

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005608.D
 Acq On : 26 Oct 2018 16:42
 Operator : JC/MD
 Sample : VX1026WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:43:24 PM

Quant Time: Oct 27 05:32:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	278424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	163135	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	5.49	113	132991	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	8.71	98	446798	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.14	95	166675	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67070	24.405	ug/l	95
3) Chloromethane	1.32	50	75981	21.710	ug/l	97
4) Vinyl Chloride	1.41	62	75318	21.886	ug/l	91
5) Bromomethane	1.64	94	40456	18.893	ug/l	100
6) Chloroethane	1.71	64	41421	18.841	ug/l	95
7) Trichlorofluoromethane	1.92	101	93738	19.603	ug/l	96
8) Diethyl Ether	2.19	74	37679	19.745	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52395	19.098	ug/l	98
10) Methyl Iodide	2.51	142	63134	23.558	ug/l	98
11) Tert butyl alcohol	3.07	59	91333	99.863	ug/l	100
12) 1,1-Dichloroethene	2.37	96	52681	20.157	ug/l	96
13) Acrolein	2.29	56	42015	90.058	ug/l	100
14) Allyl chloride	2.73	41	112591	19.303	ug/l	97
15) Acrylonitrile	3.15	53	196948	96.033	ug/l	99
16) Acetone	2.45	43	175519	97.732	ug/l	97
17) Carbon Disulfide	2.57	76	143700	18.037	ug/l	99
18) Methyl Acetate	2.78	43	94620	20.464	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	187015	20.060	ug/l	98
20) Methylene Chloride	2.86	84	59322	19.722	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	55507	19.451	ug/l	91
22) Diisopropyl ether	3.86	45	201183	19.751	ug/l #	85
23) Vinyl Acetate	3.82	43	904402	100.815	ug/l	98
24) 1,1-Dichloroethane	3.70	63	107166	19.351	ug/l	99
25) 2-Butanone	4.70	43	279025	102.027	ug/l	93
26) 2,2-Dichloropropane	4.58	77	76430	17.876	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	61772	20.079	ug/l	99
28) Bromochloromethane	5.01	49	53073	19.814	ug/l	96
29) Tetrahydrofuran	5.16	42	181352	101.897	ug/l	98
30) Chloroform	5.21	83	100006	19.305	ug/l	99
31) Cyclohexane	5.57	56	95427	20.826	ug/l #	85
32) 1,1,1-Trichloroethane	5.49	97	86622	18.946	ug/l	99
36) 1,1-Dichloropropene	5.79	75	74074	19.474	ug/l	98
37) Ethyl Acetate	4.85	43	103456	21.314	ug/l	99
38) Carbon Tetrachloride	5.79	117	70857	17.687	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Manual Integrations
 APPROVED

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 10/29/2018 12:43:24 PM

Quant Time: Oct 27 05:32:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78460	18.680	ug/l	99
40) Benzene	6.15	78	229707	21.067	ug/l	99
41) Methacrylonitrile	5.06	41	56872	21.035	ug/l	97
42) 1,2-Dichloroethane	6.19	62	78776	19.018	ug/l	98
43) Isopropyl Acetate	6.46	43	140931	19.376	ug/l	98
44) Trichloroethene	7.21	130	55624	18.726	ug/l	98
45) 1,2-Dichloropropane	7.52	63	54888	18.724	ug/l	97
46) Dibromomethane	7.66	93	34006	17.961	ug/l	98
47) Bromodichloromethane	7.90	83	64547	17.565	ug/l	99
48) Methyl methacrylate	7.77	41	66416	18.744	ug/l	99
49) 1,4-Dioxane	7.75	88	28919	373.465	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	460507	94.208	ug/l	100
52) Toluene	8.79	92	125962	19.008	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70379	17.721	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	78409	18.338	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52365	18.743	ug/l	95
56) Ethyl methacrylate	9.18	69	77741	18.655	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86289	18.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	212693	91.384	ug/l	99
59) 2-Hexanone	9.49	43	360080	93.427	ug/l	99
60) Dibromochloromethane	9.59	129	50314	17.261	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53521	18.517	ug/l	100
64) Tetrachloroethene	9.34	164	58058	20.966	ug/l	98
65) Chlorobenzene	10.14	112	141441	19.911	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	48660	18.787	ug/l	99
67) Ethyl Benzene	10.25	91	235858	20.181	ug/l	99
68) m/p-Xylenes	10.36	106	186535	41.138	ug/l	99
69) o-Xylene	10.70	106	88636	20.777	ug/l	100
70) Styrene	10.71	104	147373	20.637	ug/l	99
71) Bromoform	10.86	173	39925	17.274	ug/l	# 99
73) Isopropylbenzene	11.02	105	243781	21.911	ug/l	100
74) N-amyl acetate	10.90	43	116030	21.047	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	82785	20.169	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	80007m	20.747	ug/l	
77) Bromobenzene	11.26	156	63840	20.589	ug/l	100
78) n-propylbenzene	11.36	91	278428	21.886	ug/l	100
79) 2-Chlorotoluene	11.42	91	168404	21.349	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204358	21.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22564	19.119	ug/l	97
82) 4-Chlorotoluene	11.51	91	198001	21.288	ug/l	100
83) tert-Butylbenzene	11.77	119	199793	21.059	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	211965	21.974	ug/l	99
85) sec-Butylbenzene	11.94	105	245285	21.667	ug/l	100
86) p-Isopropyltoluene	12.07	119	219500	21.690	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	117681	20.183	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	119485	19.632	ug/l	98
89) n-Butylbenzene	12.39	91	190701	20.874	ug/l	99
90) Hexachloroethane	12.60	117	32157	18.424	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	118912	20.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19196	19.342	ug/l	94

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Sample : VX1026WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

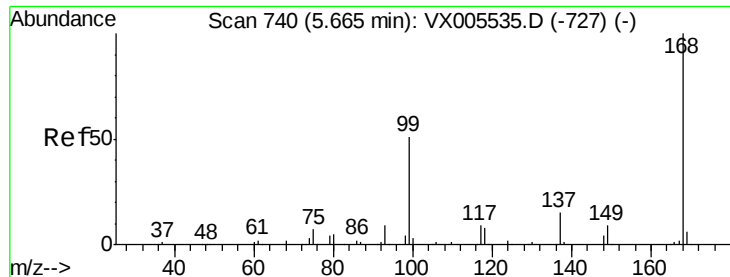
Manual Integrations
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10/29/2018 12:43:24 PM

Quant Time: Oct 27 05:32:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88798	20.765	ug/l	98
94) Hexachlorobutadiene	13.79	225	42694	19.266	ug/l	99
95) Naphthalene	13.83	128	282099	22.695	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91752	21.166	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

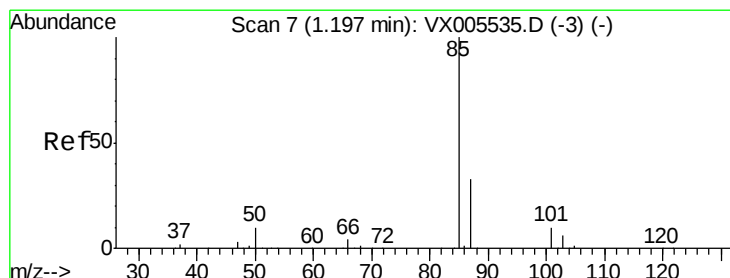
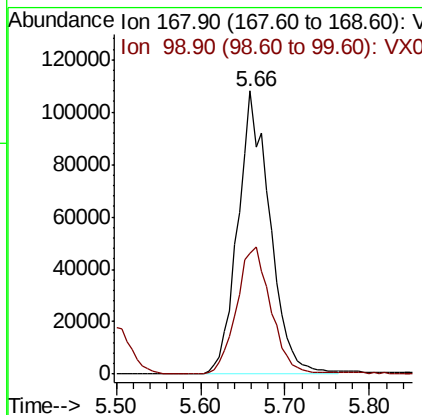
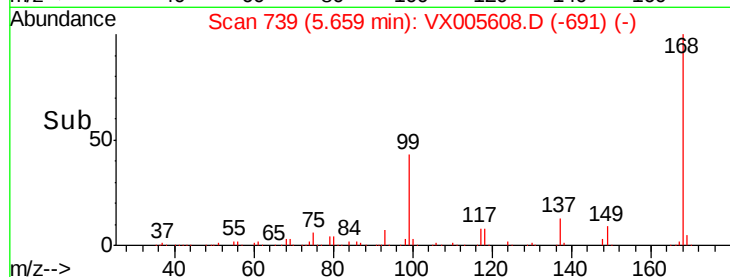
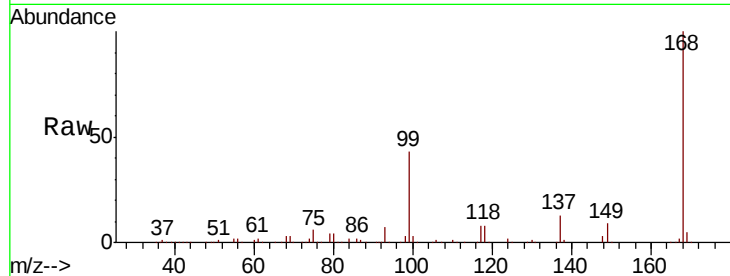
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	42.8	40.7	61.1	

Manual Integrations
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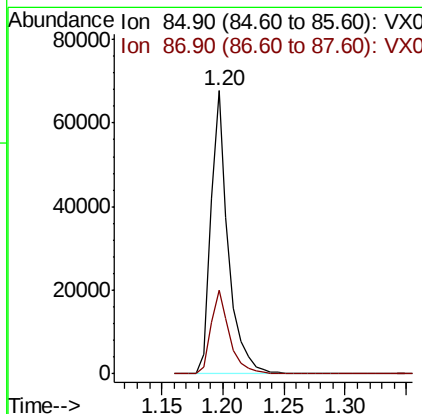
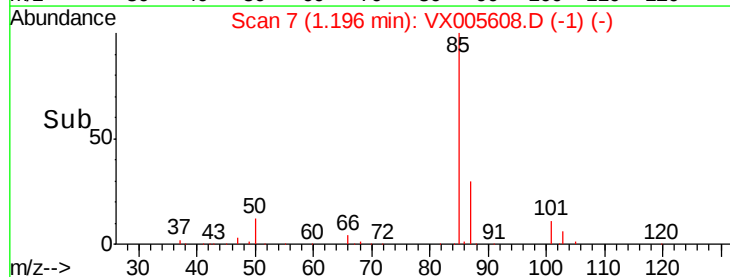
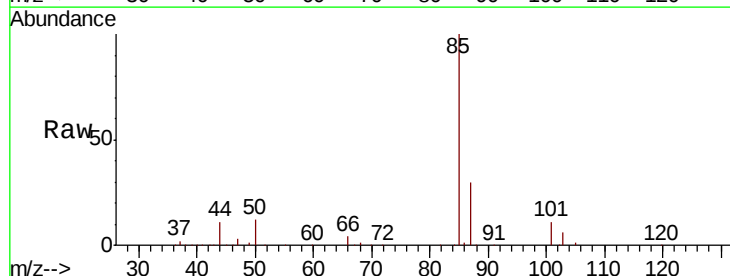
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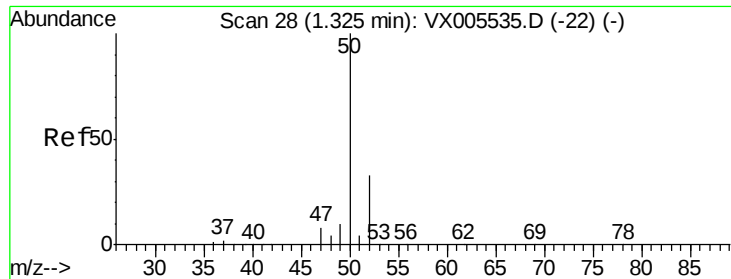


#2

Dichlorodifluoromethane
 Concen: 24.405 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	29.6	16.3	48.9	





#3

Chloromethane

Concen: 21.710 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 50 Resp: 75981

Ion Ratio Lower Upper

50 100

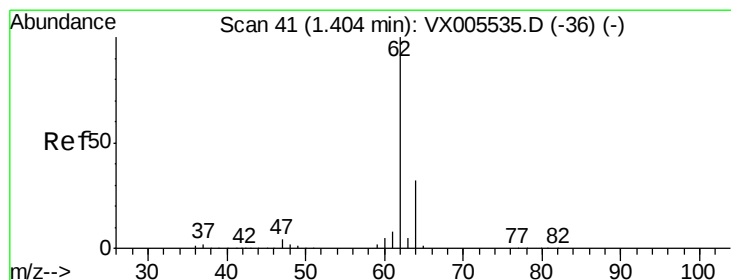
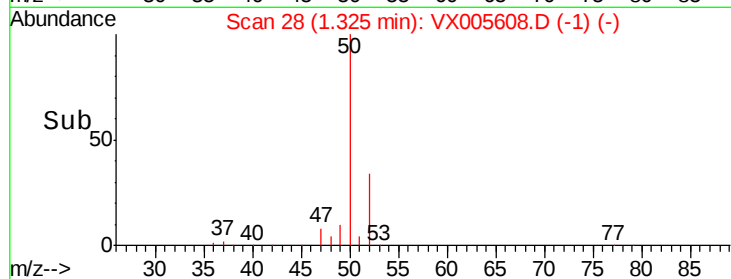
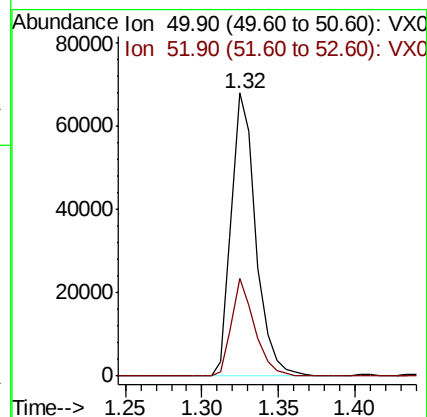
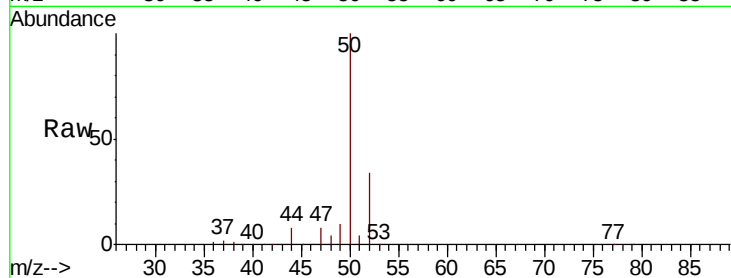
52 34.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.886 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005608.D

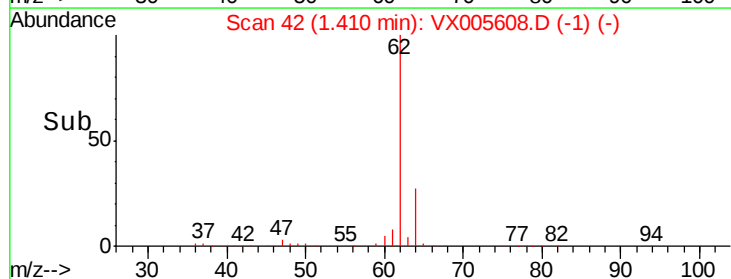
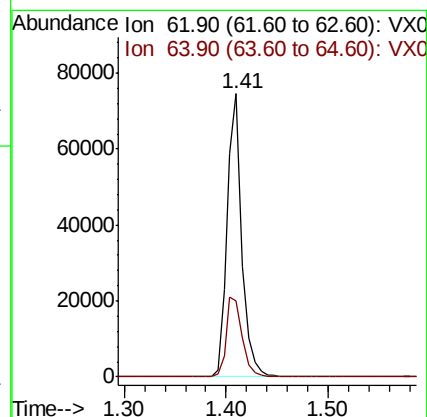
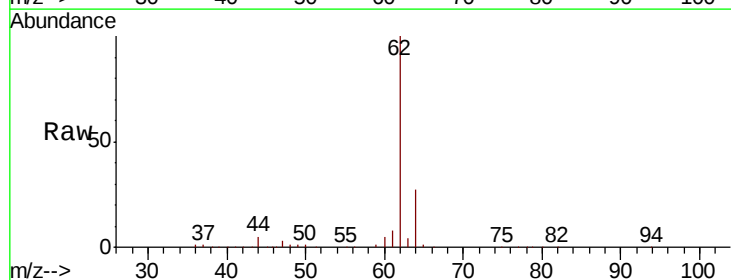
Acq: 26 Oct 2018 16:42

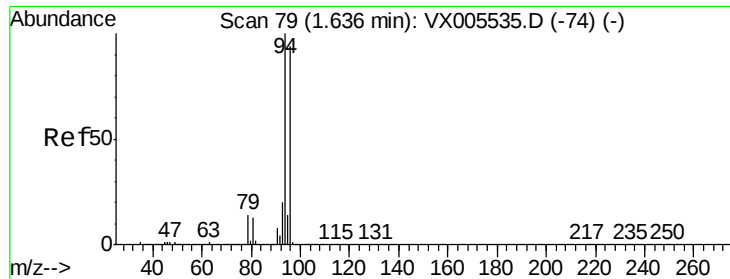
Tgt Ion: 62 Resp: 75318

Ion Ratio Lower Upper

62 100

64 26.8 25.3 37.9





#5

Bromomethane

Concen: 18.893 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 94 Resp: 40456

Ion Ratio Lower Upper

94 100

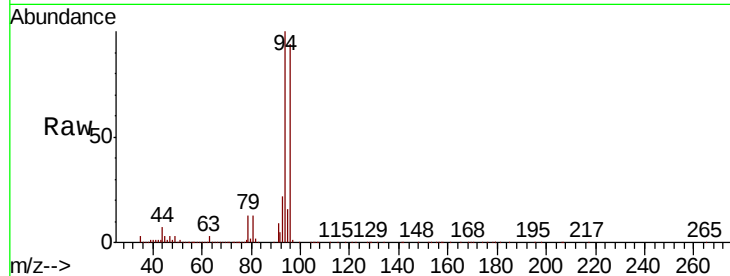
96 93.9 75.2 112.8

Manual Integrations

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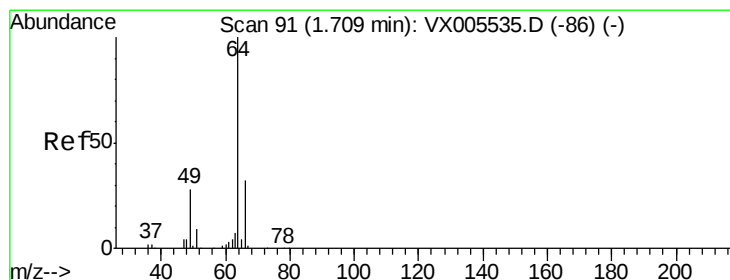
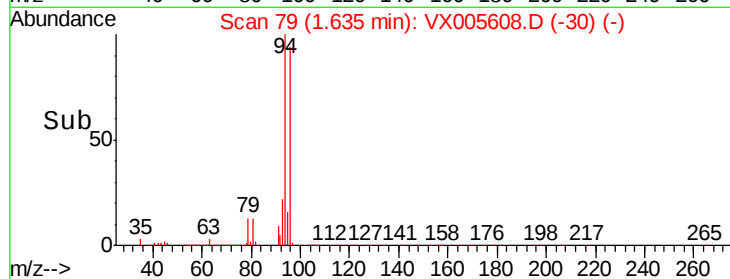
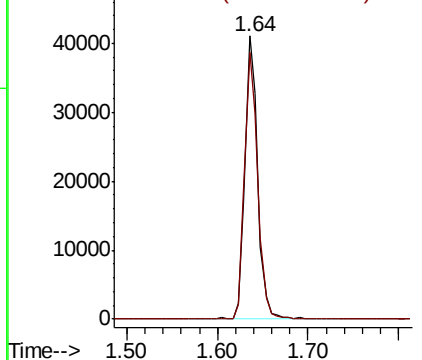
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.841 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005608.D

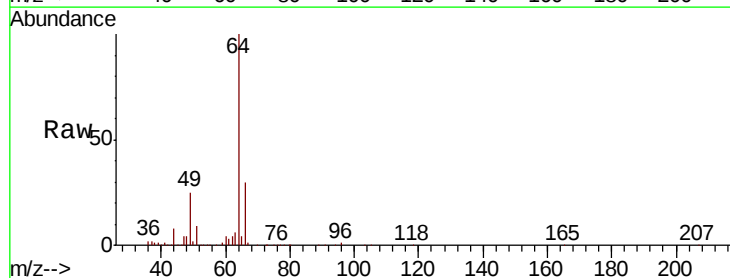
Acq: 26 Oct 2018 16:42

Tgt Ion: 64 Resp: 41421

Ion Ratio Lower Upper

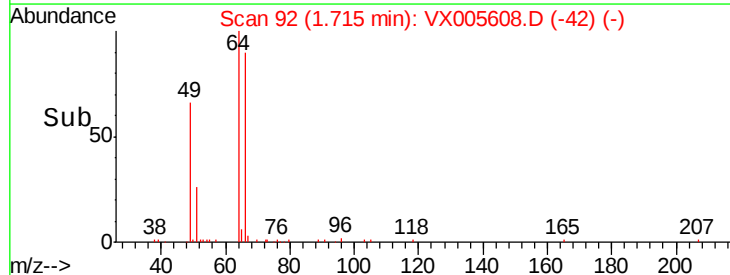
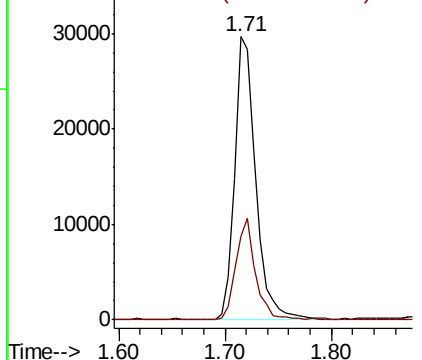
64 100

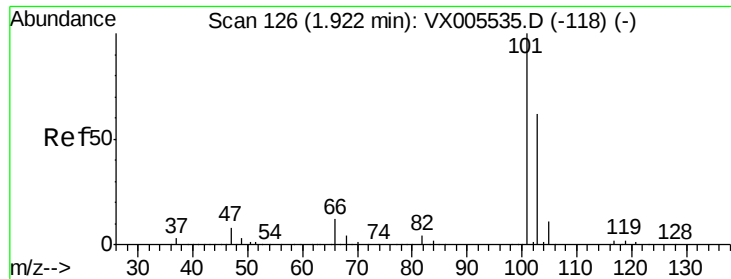
66 29.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

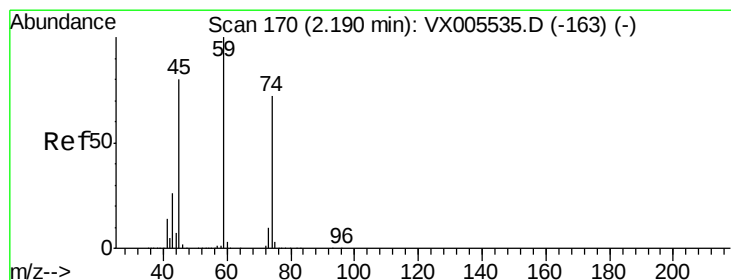
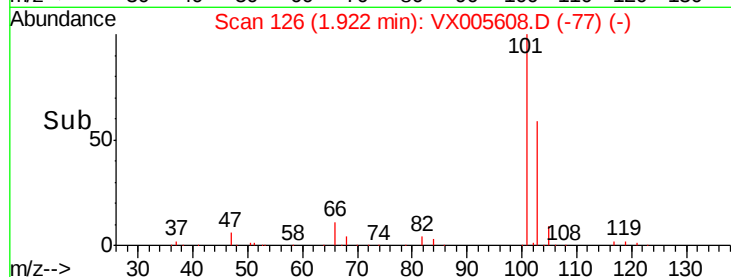
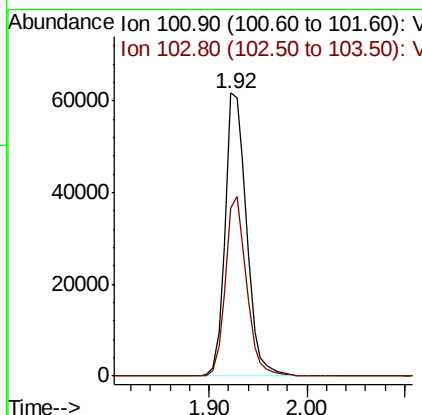
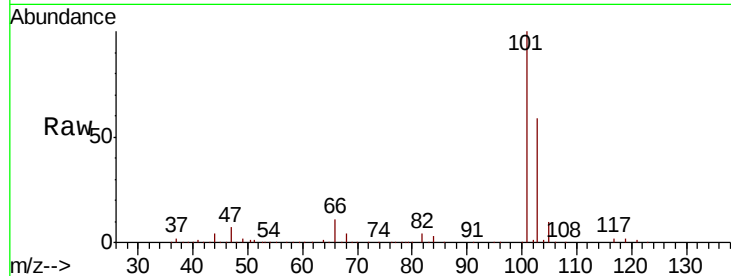
Trichlorofluoromethane
Concen: 19.603 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		93738		
103	59.4	50.0	75.0		

Manual Integrations
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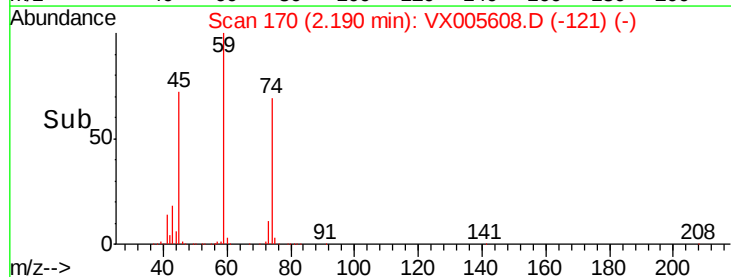
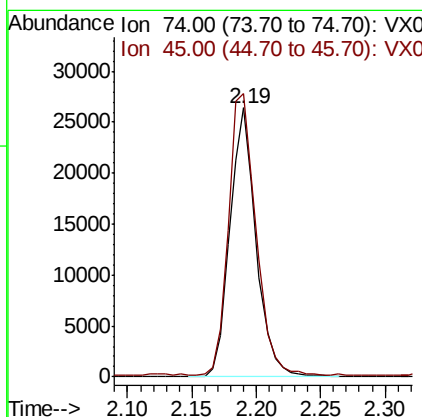
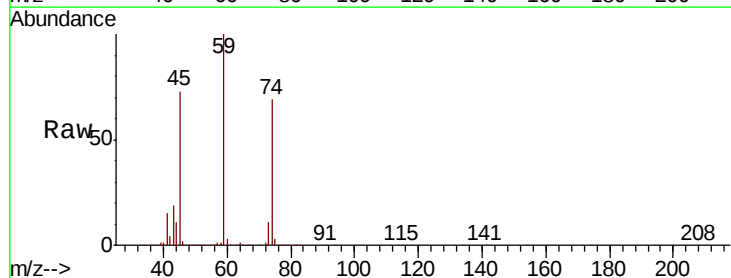
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#8

Diethyl Ether
Concen: 19.745 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		37679		
45	109.2	54.1	162.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.098 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

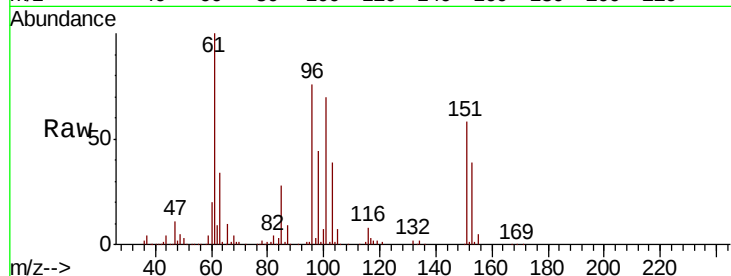
ClientSampleId :

VX1026WBS01

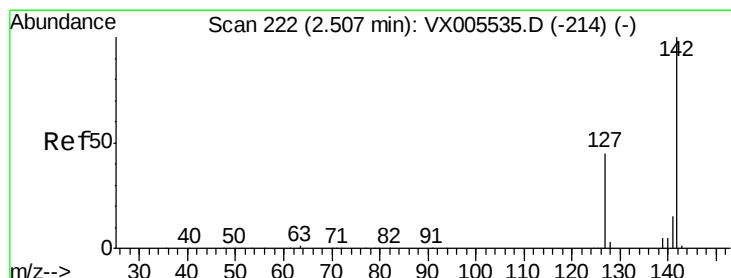
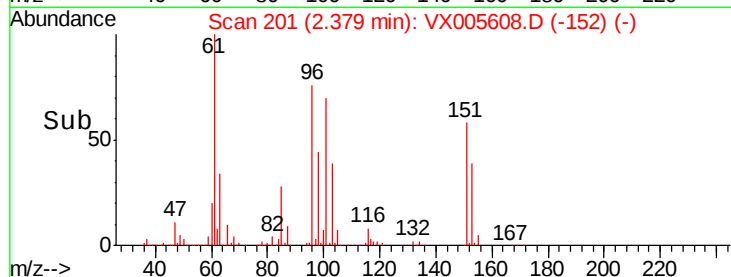
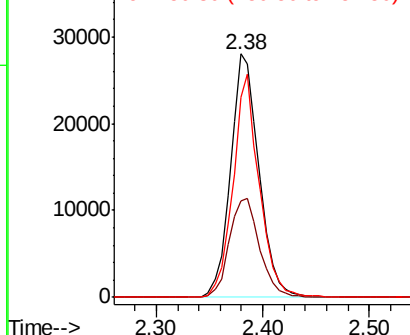
Tot Ion:	101	Resp:	52395
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.0	52.4
151	84.8	66.2	99.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VXO
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.558 ug/l

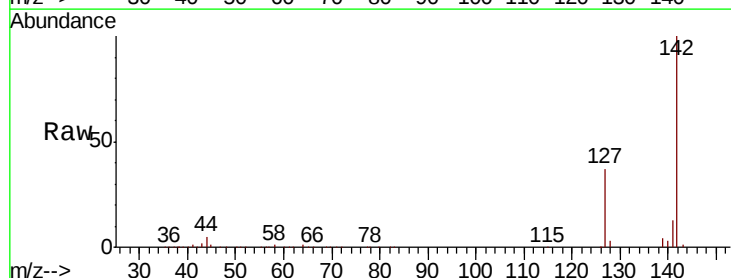
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

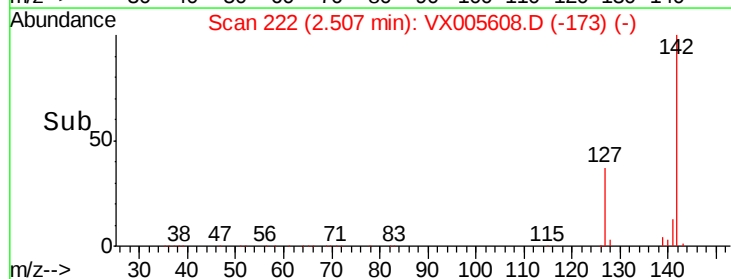
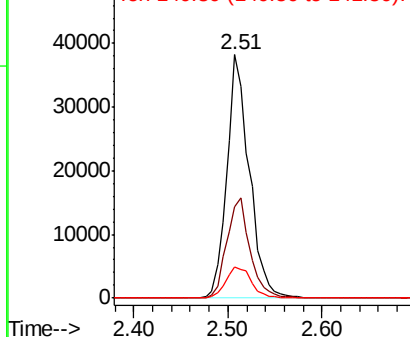
Lab File: VX005608.D

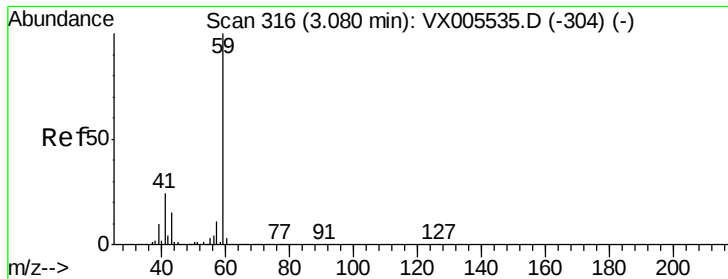
Acq: 26 Oct 2018 16:42

Tgt Ion:	142	Resp:	63134
Ion Ratio	Lower	Upper	
142	100		
127	42.9	36.0	54.0
141	14.5	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

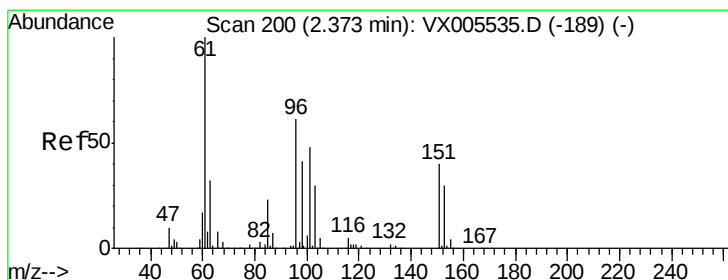
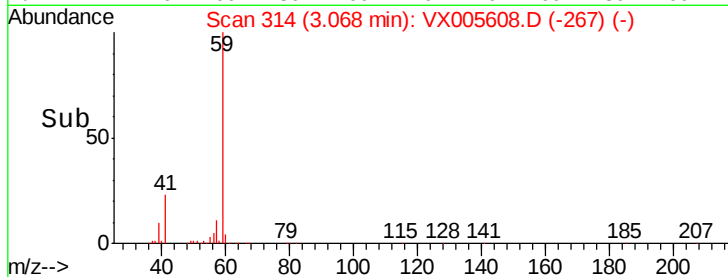
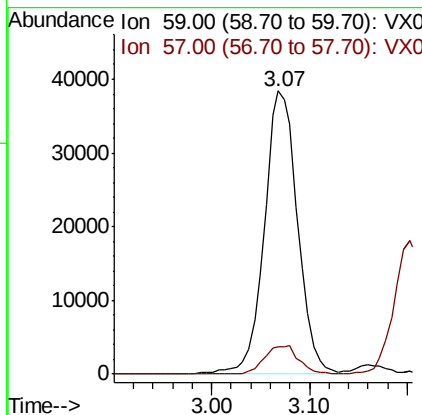
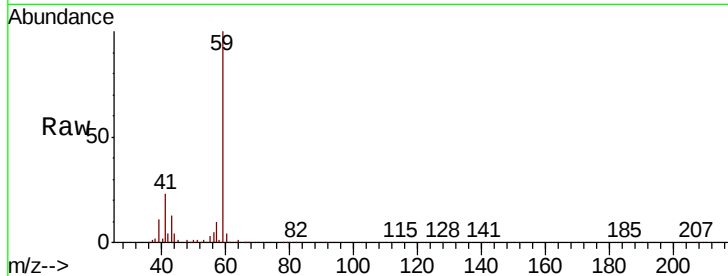
Tert butyl alcohol
 Concen: 99.863 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.6	8.5	12.7

Manual Integrations
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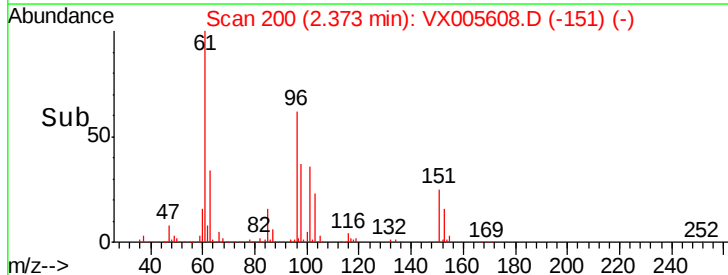
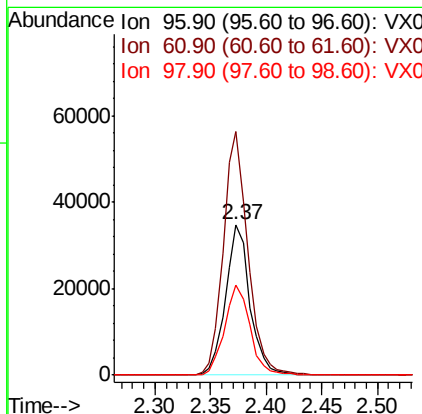
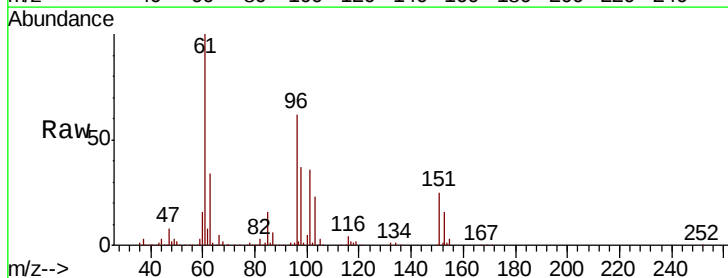
MMDadoda
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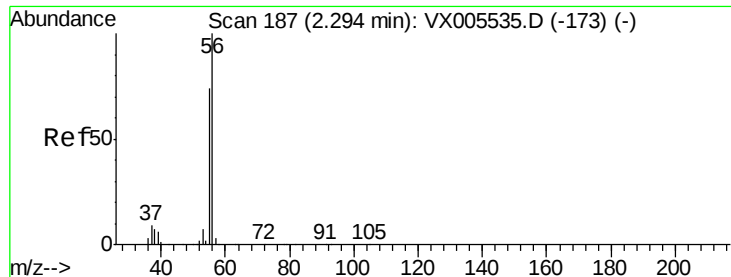


#12

1,1-Dichloroethene
 Concen: 20.157 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	161.7	131.8	197.8
98	98	59.5	53.4	80.2





#13

Acrolein

Concen: 90.058 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 56 Resp: 42015

Ion Ratio Lower Upper

56 100

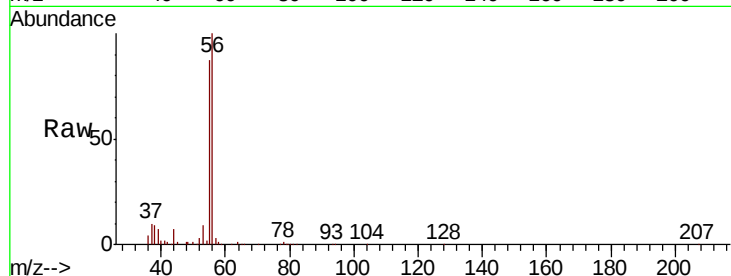
55 71.6 57.3 85.9

Manual Integrations

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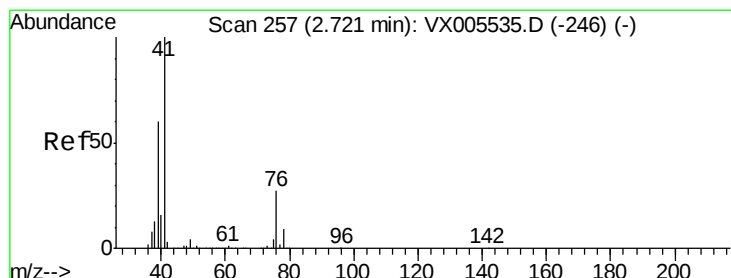
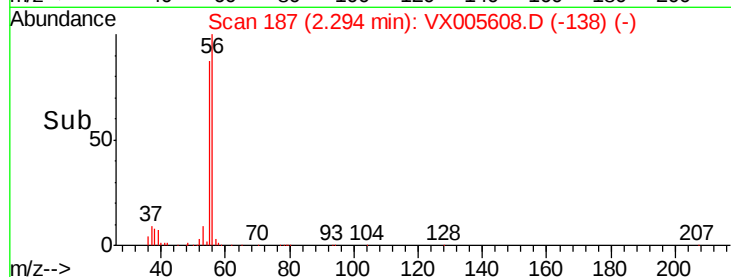
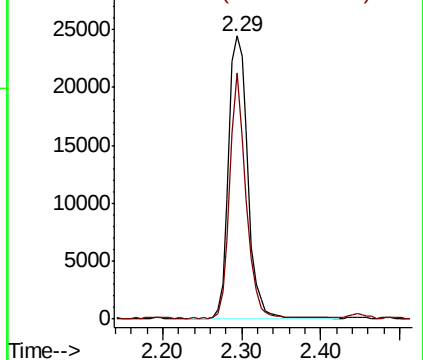
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.303 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

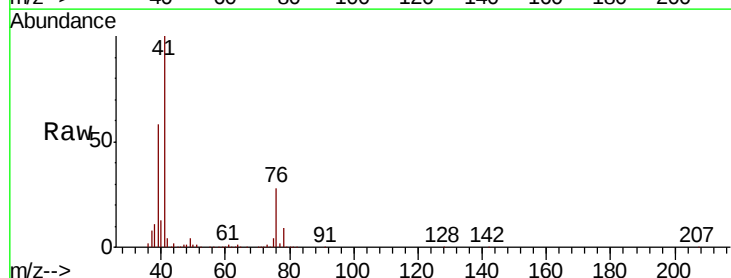
Tgt Ion: 41 Resp: 112591

Ion Ratio Lower Upper

41 100

39 57.7 48.2 72.4

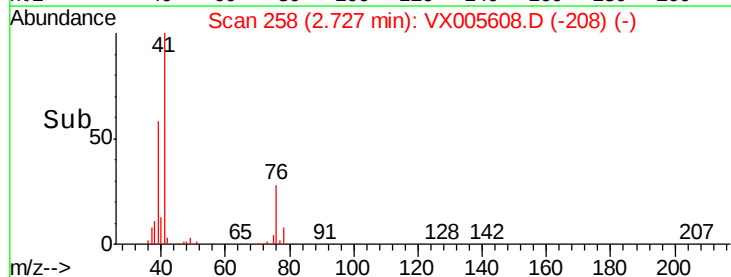
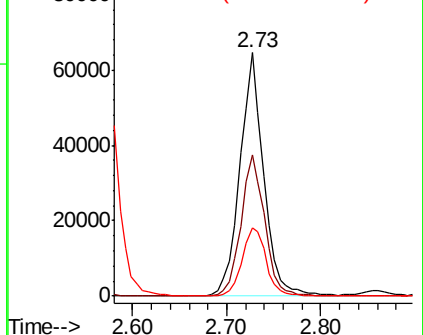
76 28.8 21.9 32.9

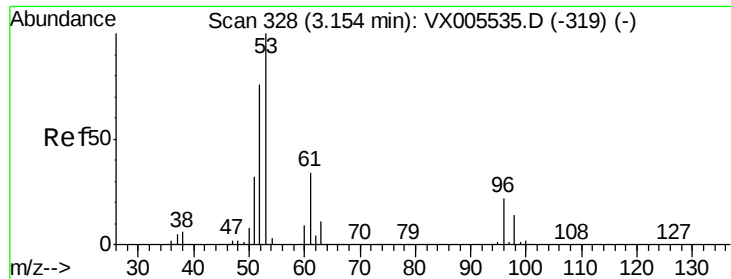


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 96.033 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

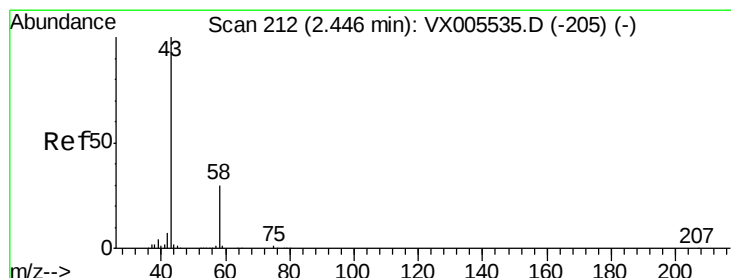
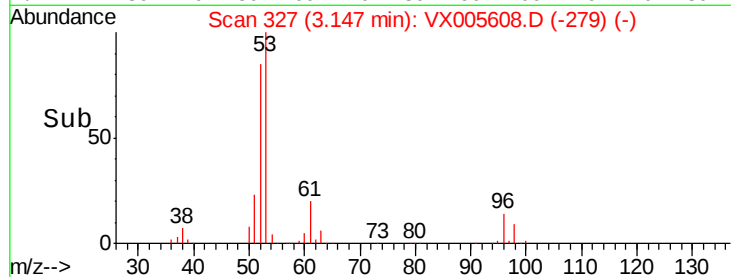
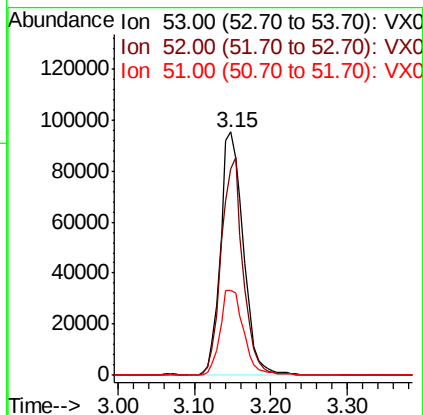
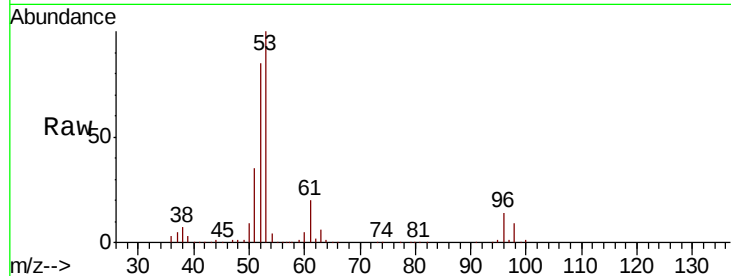
ClientSampleId :

VX1026WBS01

Tot Ion:	53	Resp:	196948
Ion Ratio		Lower	Upper
53	100		
52	84.5	66.6	99.8
51	35.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 97.732 ug/l

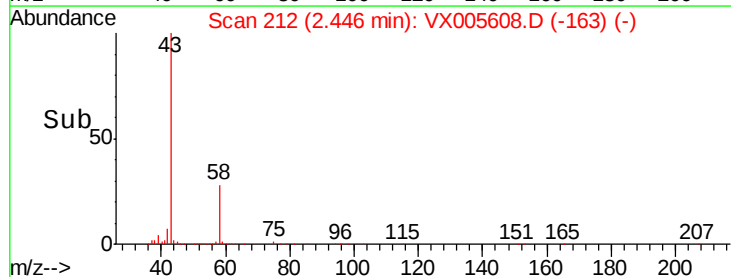
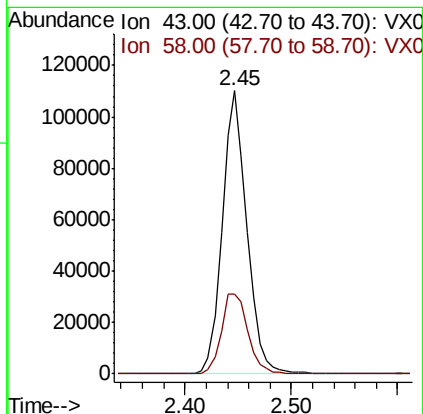
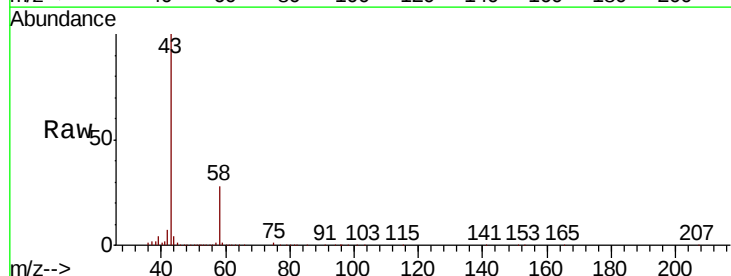
RT: 2.45 min Scan# 212

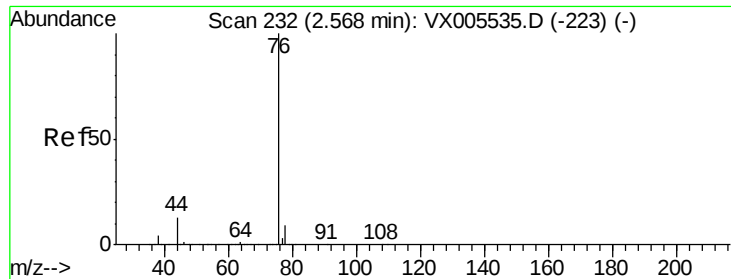
Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion:	43	Resp:	175519
Ion Ratio		Lower	Upper
43	100		
58	28.2	23.8	35.6





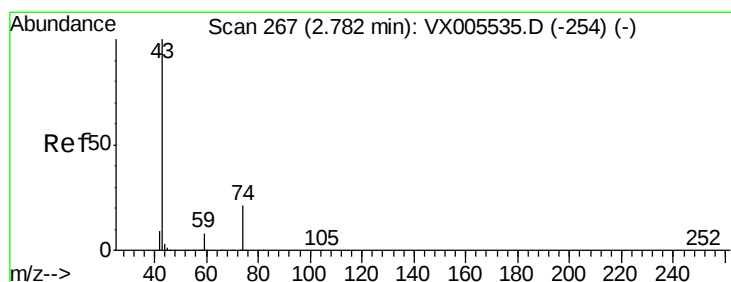
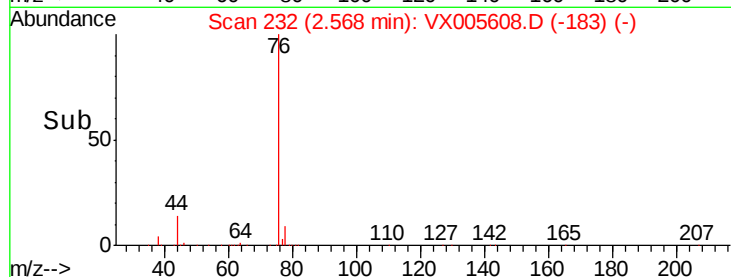
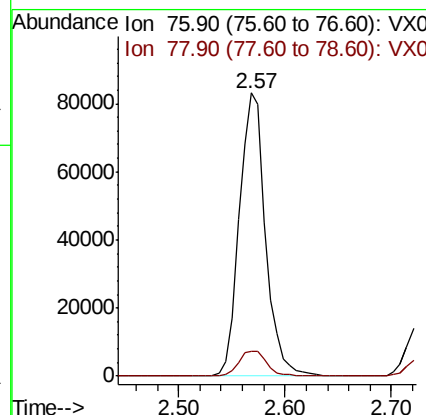
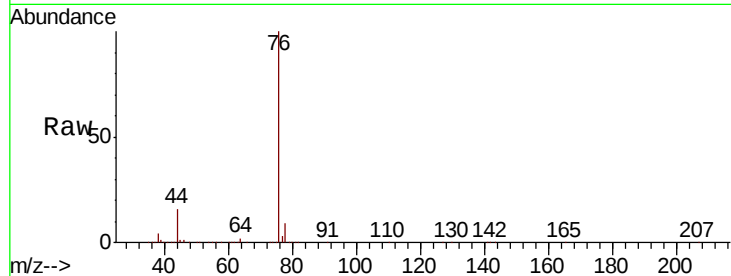
#17
Carbon Disulfide
Concen: 18.037 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

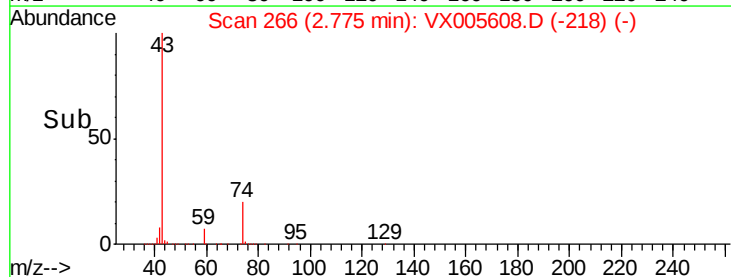
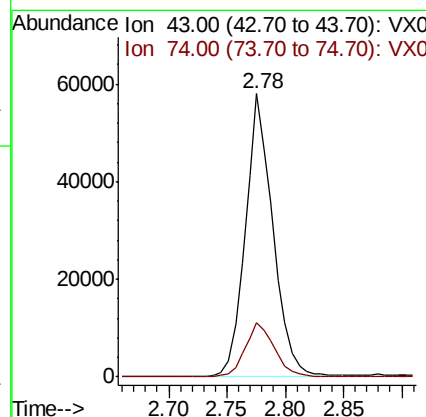
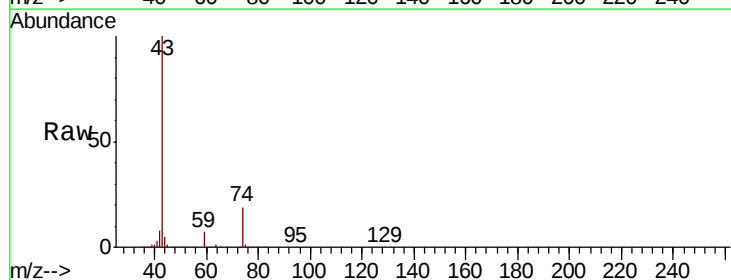
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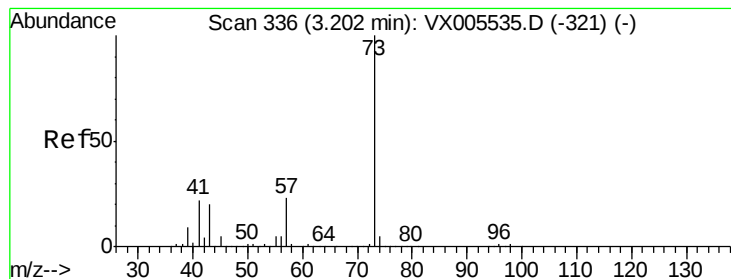
MMDadoda
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#18
Methyl Acetate
Concen: 20.464 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.8	25.2





#19

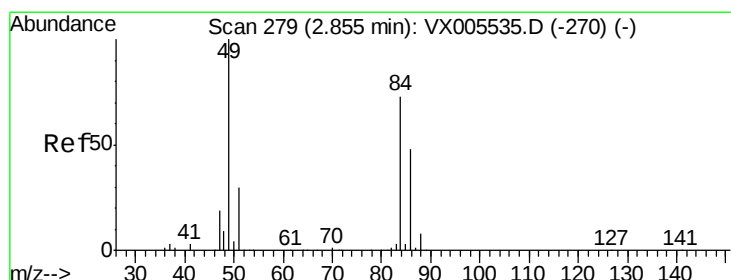
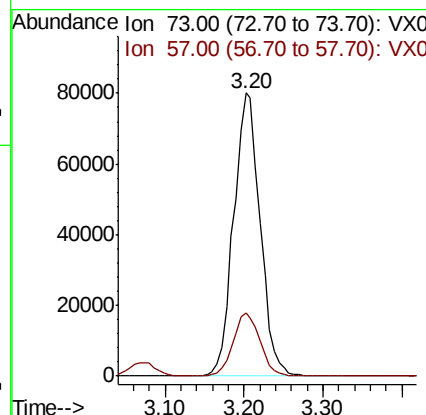
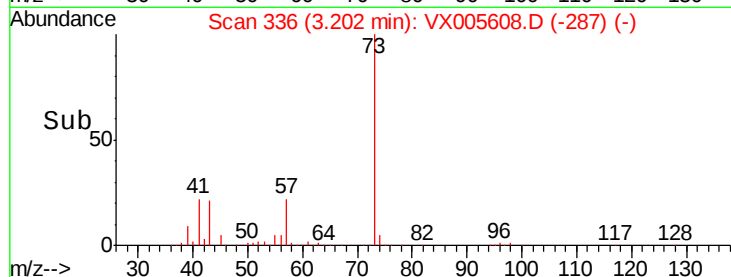
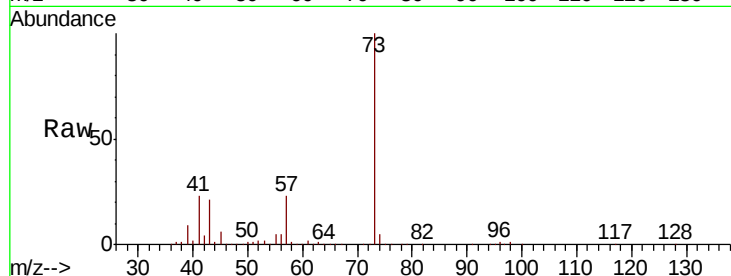
Methyl tert-butyl Ether
 Concen: 20.060 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.8	28.2

Manual Integrations
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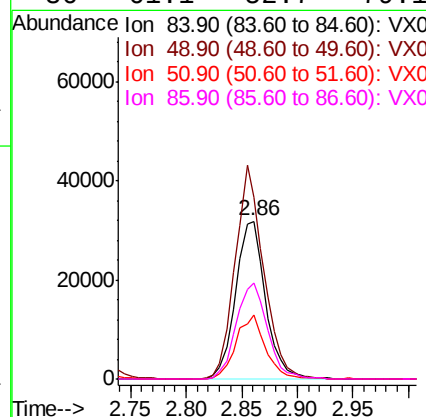
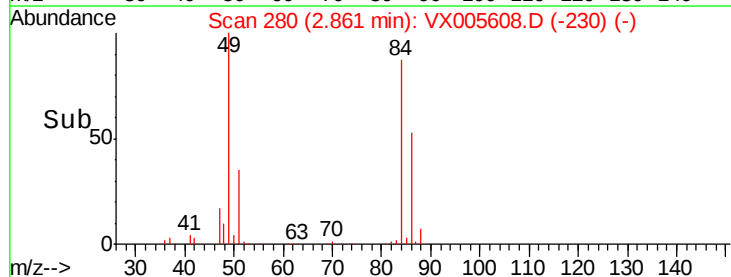
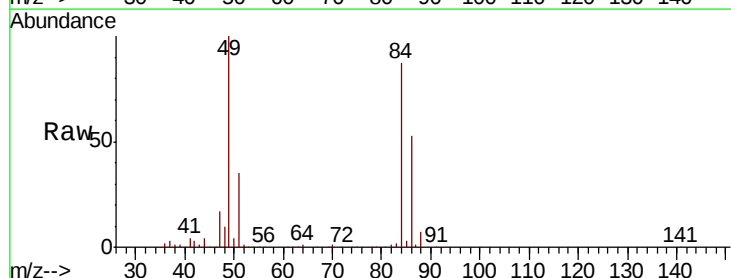
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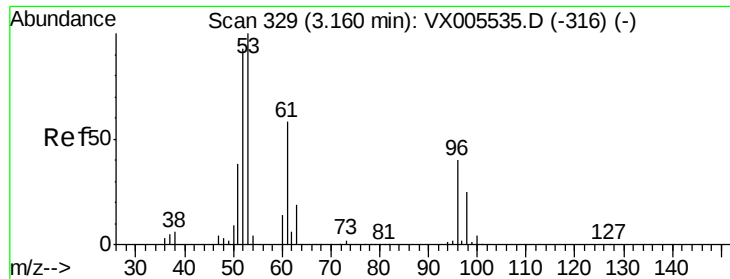


#20

Methylene Chloride
 Concen: 19.722 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.0	109.5	164.3
51	40.5	33.3	49.9
86	61.1	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 19.451 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

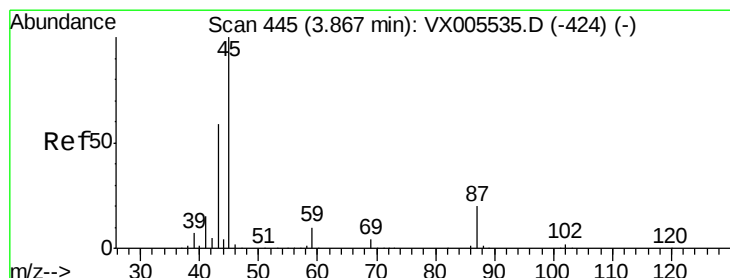
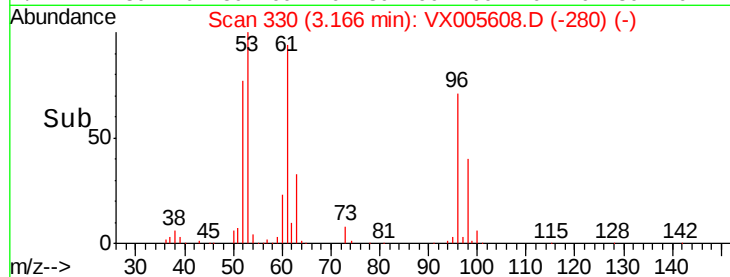
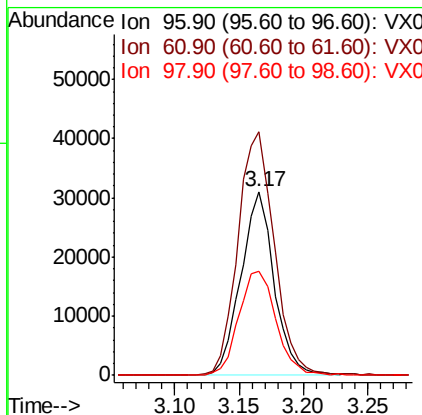
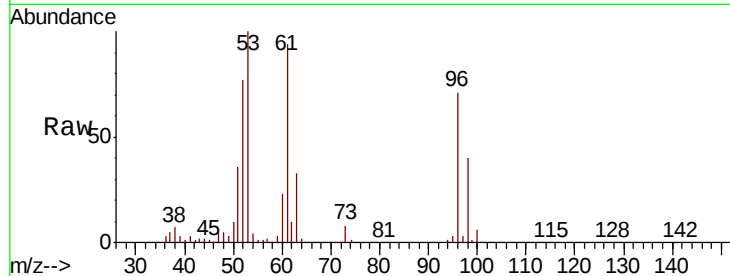
ClientSampleId :

VX1026WBS01

Tot Ion:	96	Resp:	55507
Ion	Ratio	Lower	Upper
96	100		
61	132.3	115.6	173.4
98	56.9	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.751 ug/l

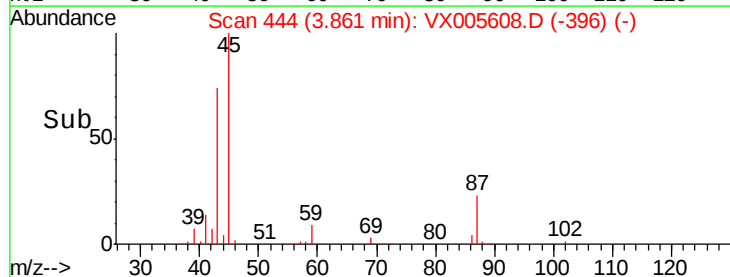
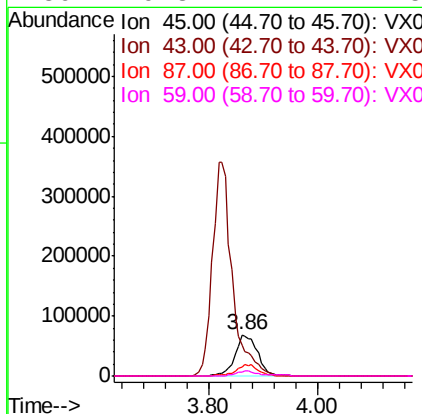
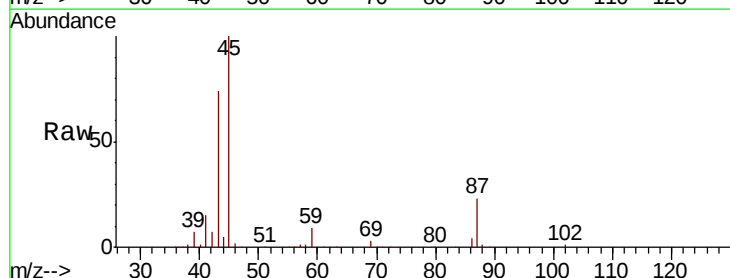
RT: 3.86 min Scan# 444

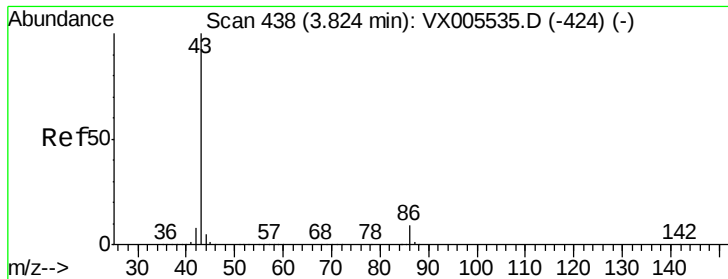
Delta R.T. -0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion:	45	Resp:	201183
Ion	Ratio	Lower	Upper
45	100		
43	73.7	47.4	71.2#
87	23.4	15.9	23.9
59	9.3	7.7	11.5





#23

Vinyl Acetate

Concen: 100.815 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 43 Resp: 904402

Ion Ratio Lower Upper

43 100

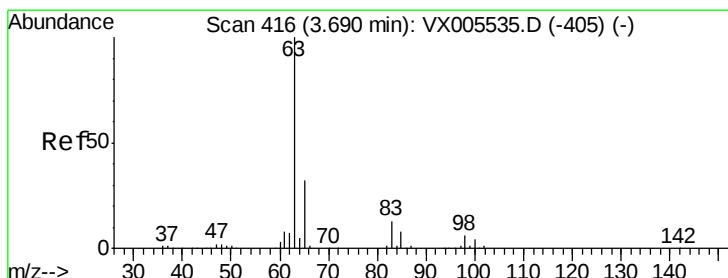
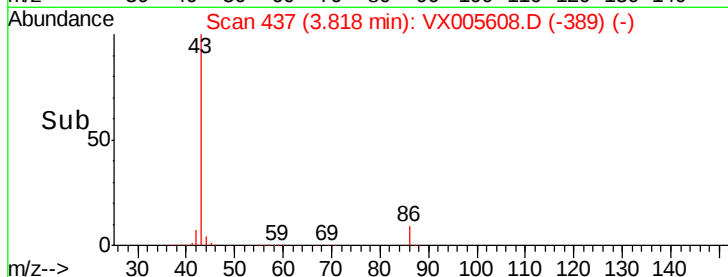
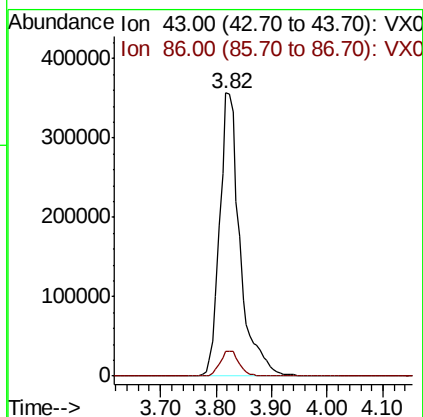
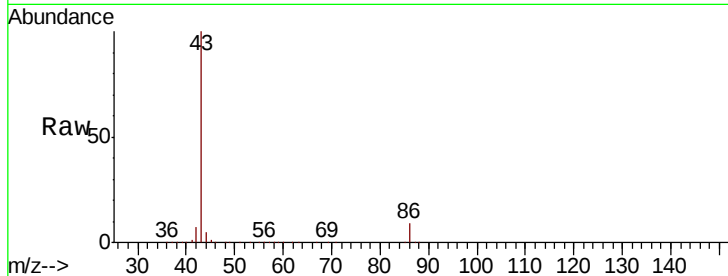
86 8.7 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 19.351 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

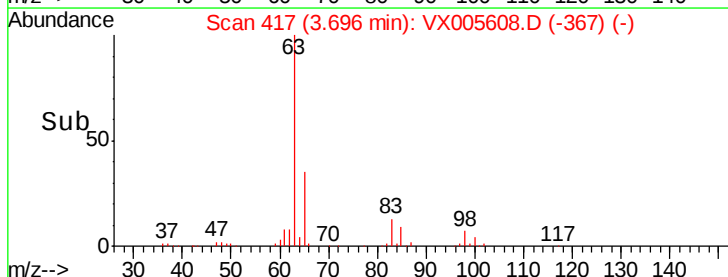
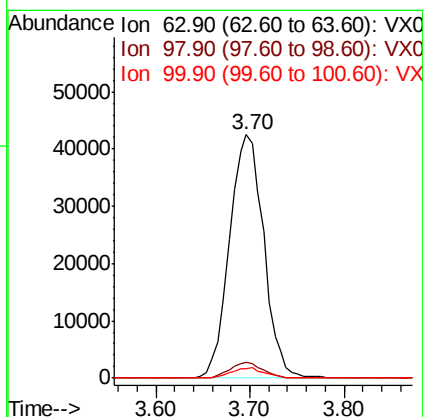
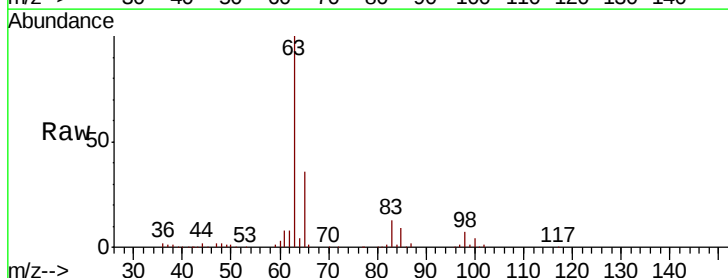
Tgt Ion: 63 Resp: 107166

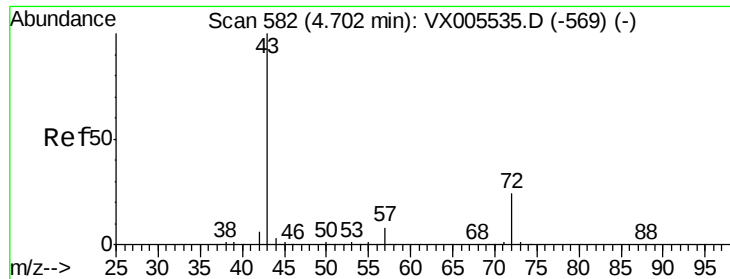
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 102.027 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 43 Resp: 279025

Ion Ratio Lower Upper

43 100

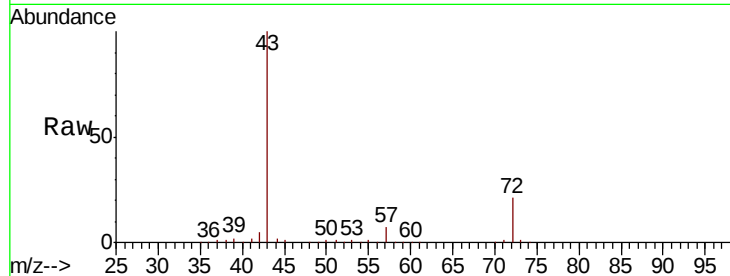
72 20.6 19.2 28.8

Manual Integrations

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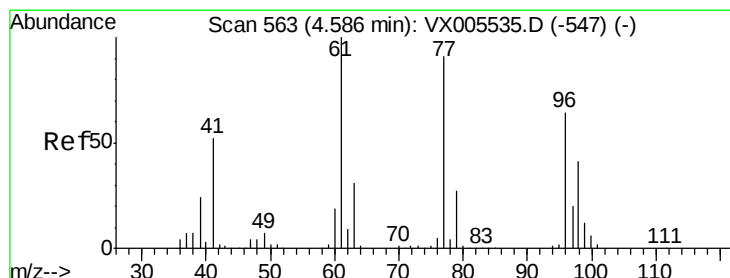
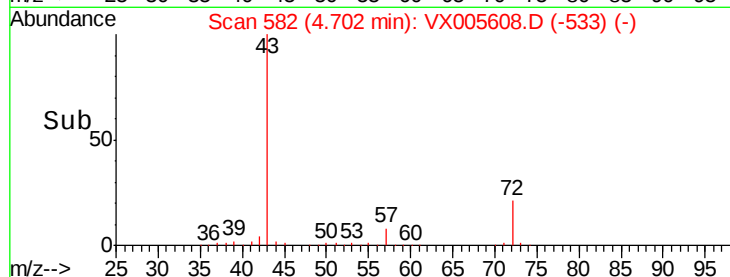
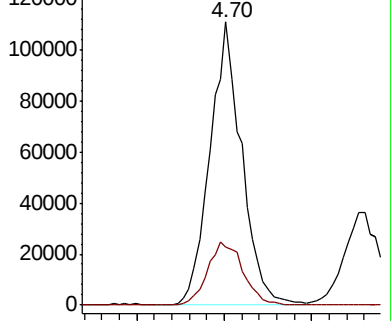
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.876 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005608.D

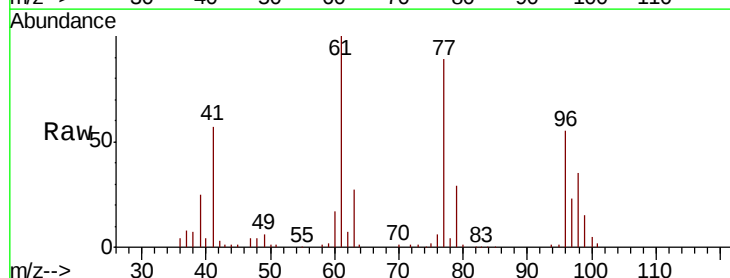
Acq: 26 Oct 2018 16:42

Tgt Ion: 77 Resp: 76430

Ion Ratio Lower Upper

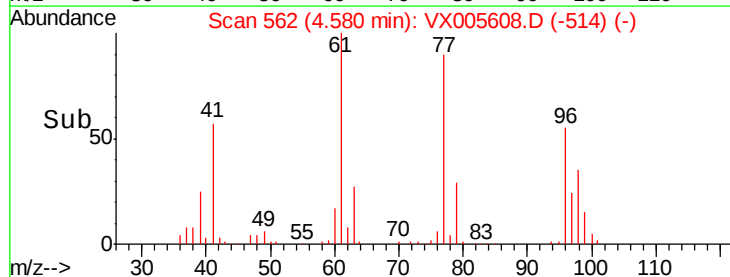
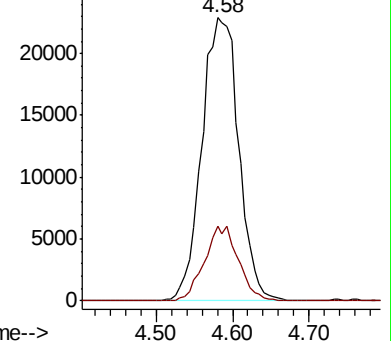
77 100

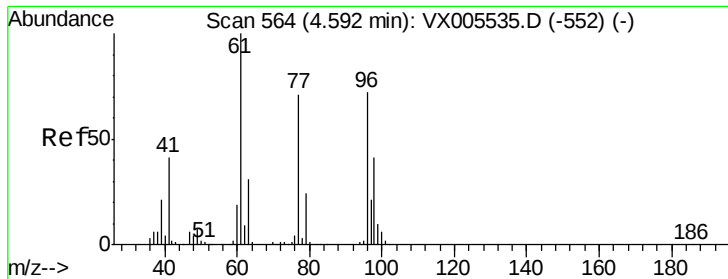
97 24.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

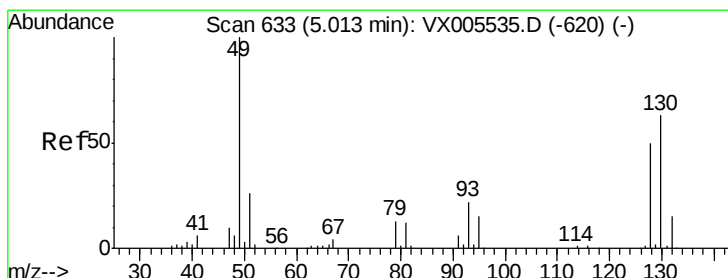
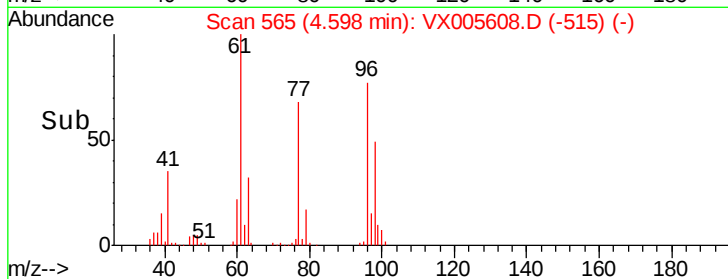
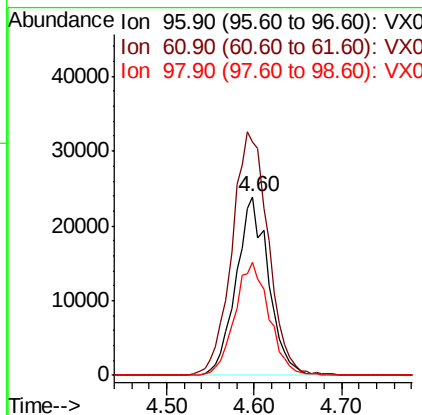
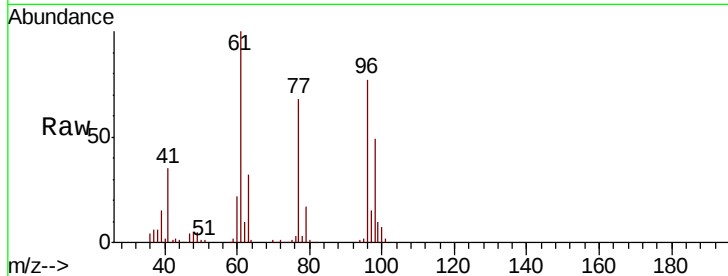
cis-1,2-Dichloroethene
Concen: 20.079 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	304.6
98	66.5	0.0	127.4

Manual Integrations
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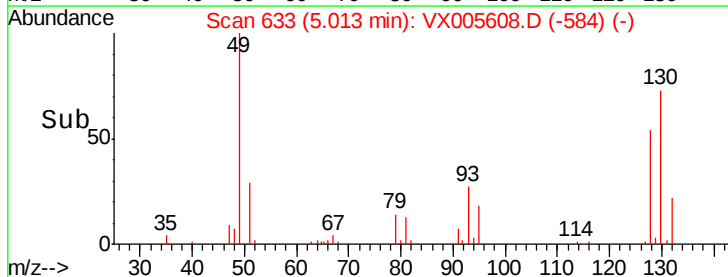
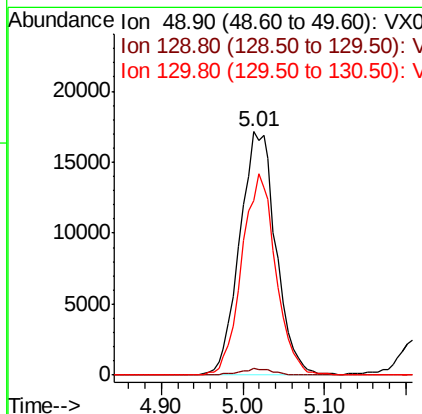
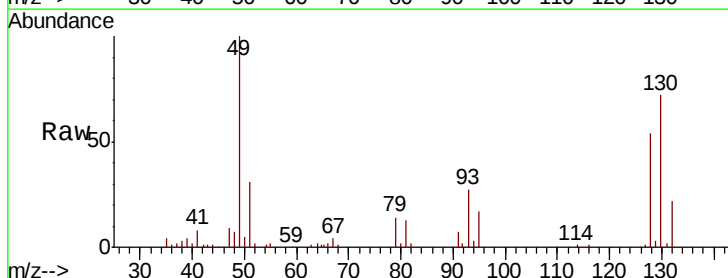
MMDadoda
10/29/2018 12:43:24 PM

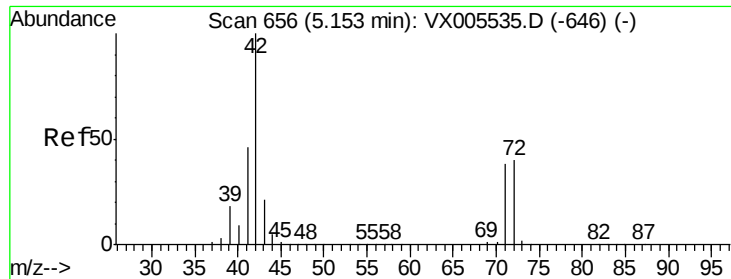


#28

Bromochloromethane
Concen: 19.814 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	77.3	58.9	88.3





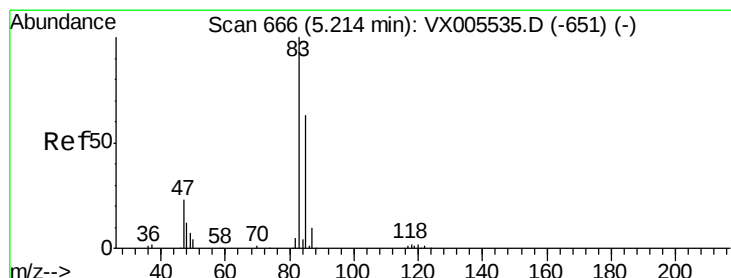
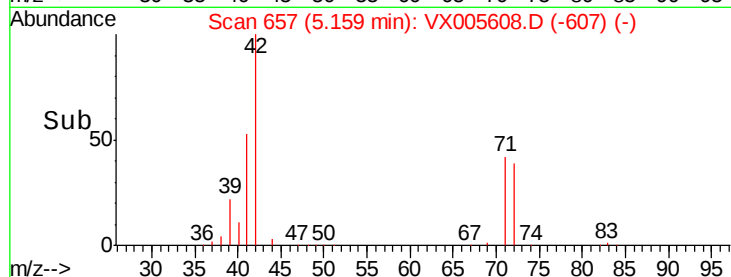
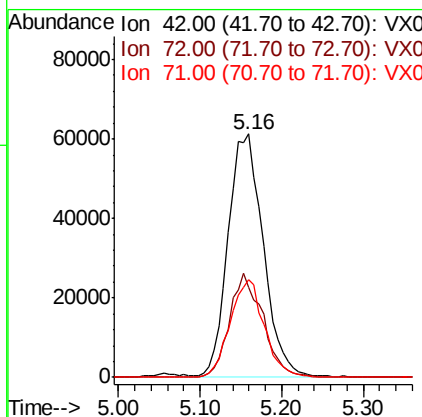
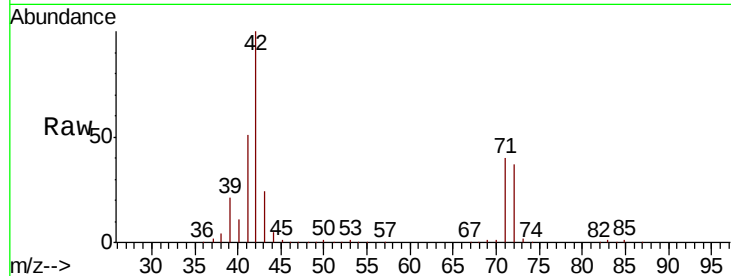
#29
Tetrahydrofuran
Concen: 101.897 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.0	48.0
71	39.2	29.8	44.8

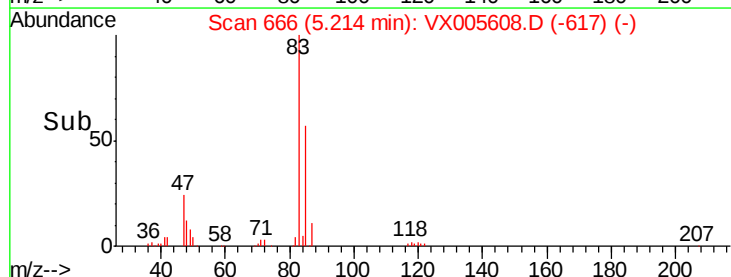
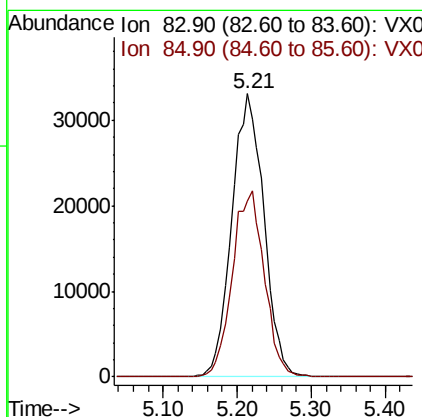
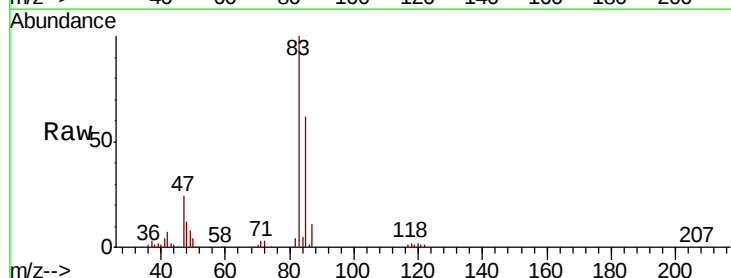
Manual Integrations
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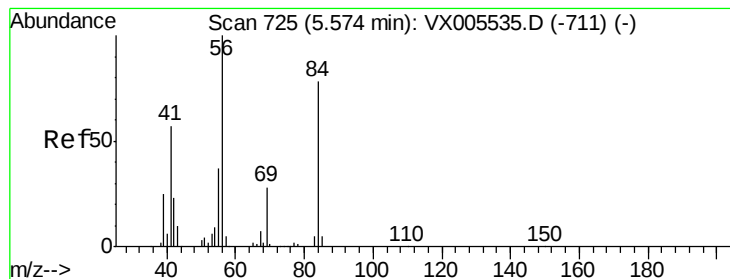
MMDadoda
10/29/2018 12:43:24 PM



#30
Chloroform
Concen: 19.305 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	76.0





#31

Cyclohexane

Concen: 20.826 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 56 Resp: 95427

Ion Ratio Lower Upper

56 100

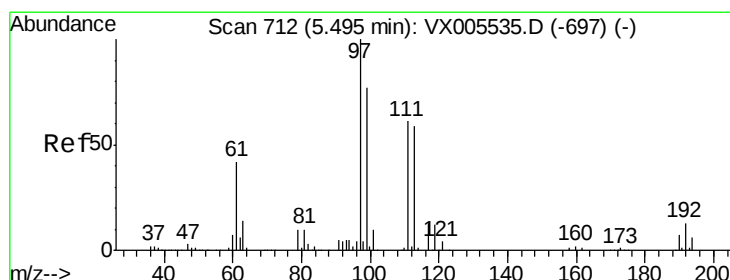
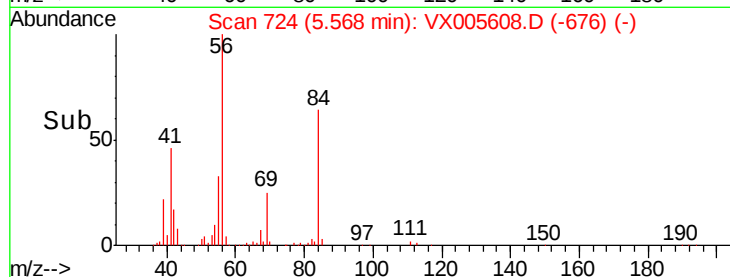
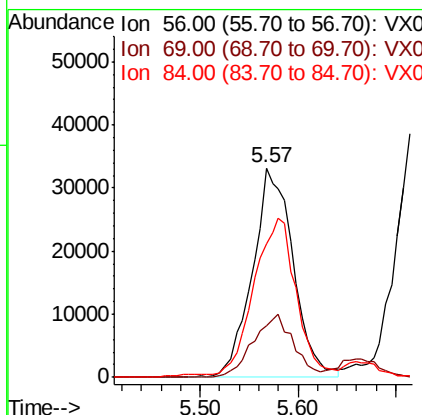
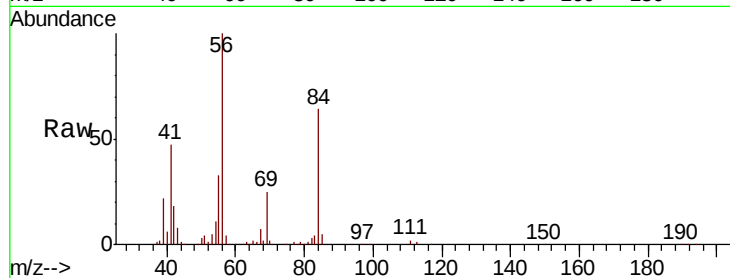
69 24.8 22.6 34.0

84 62.5 62.7 94.1#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.946 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

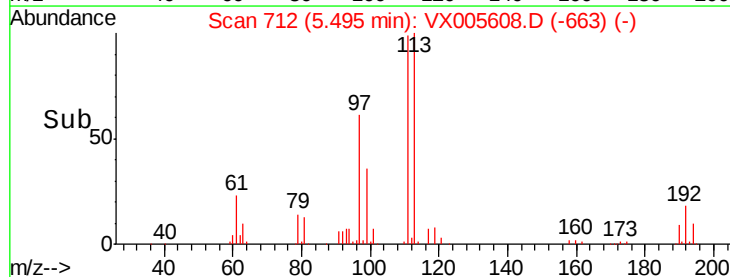
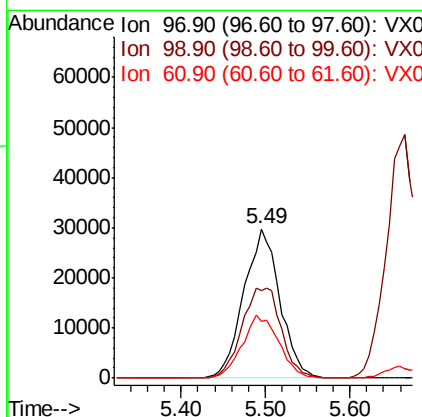
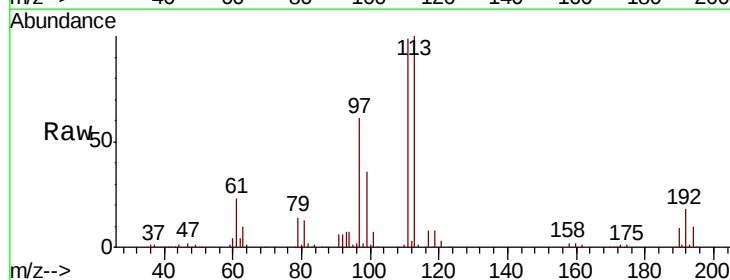
Tgt Ion: 97 Resp: 86622

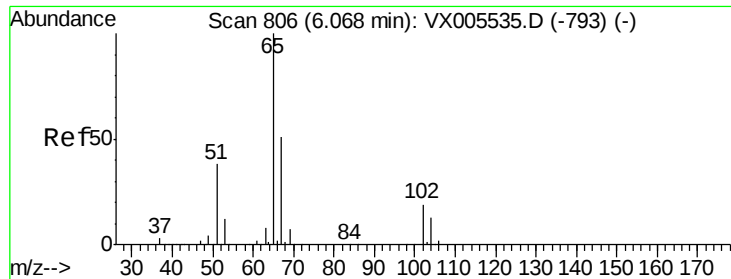
Ion Ratio Lower Upper

97 100

99 65.6 52.3 78.5

61 43.1 35.2 52.8





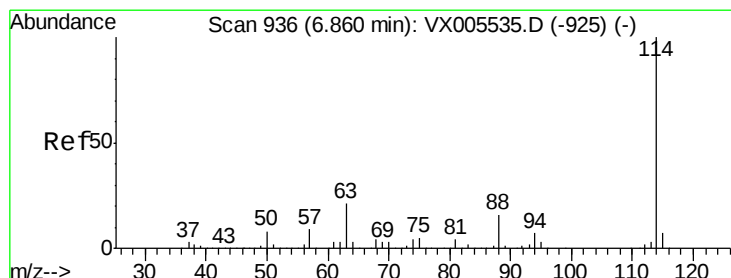
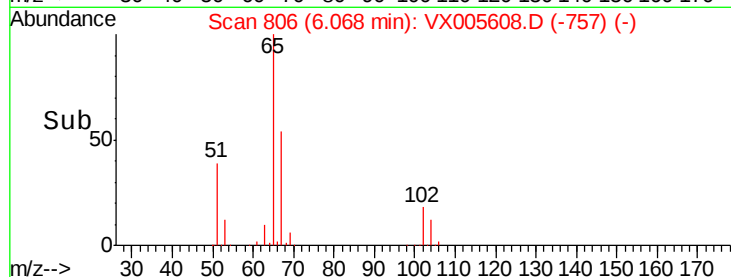
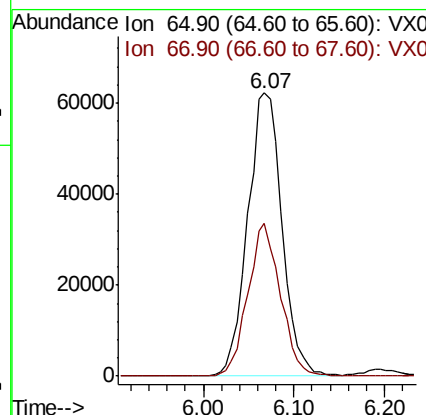
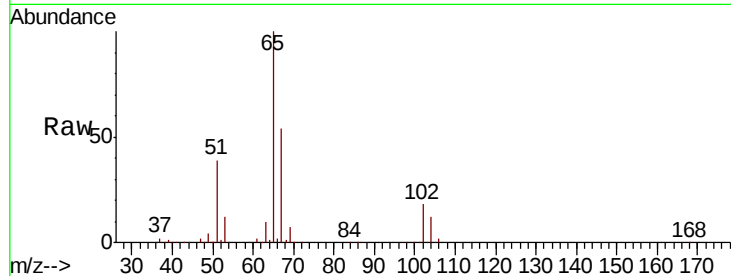
#33
 1,2-Dichloroethane-d4
 Concen: 47.999 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.0

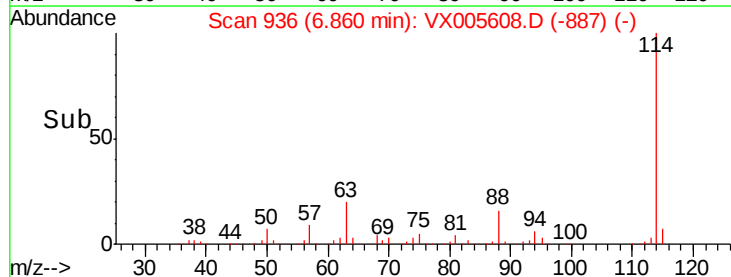
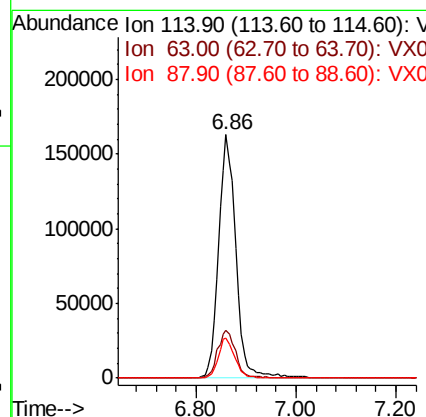
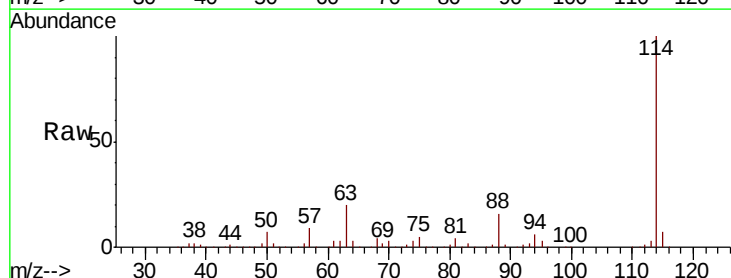
Manual Integrations
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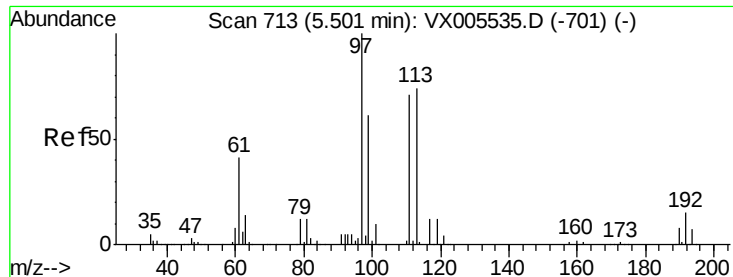
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.8
88	16.4	0.0	31.2





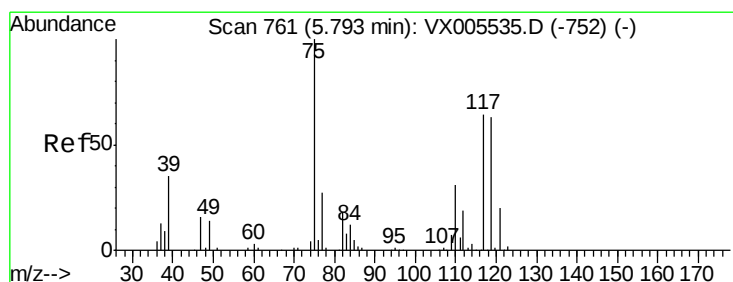
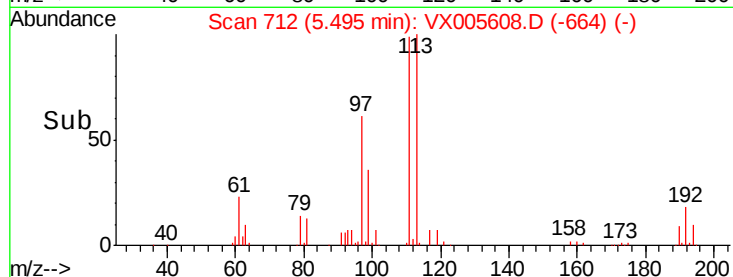
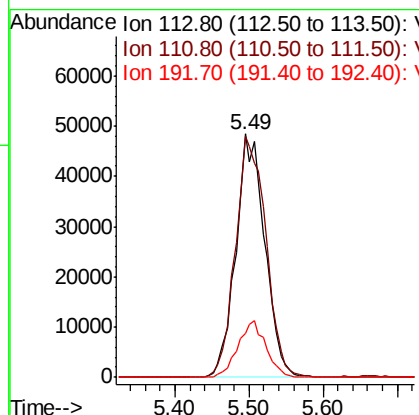
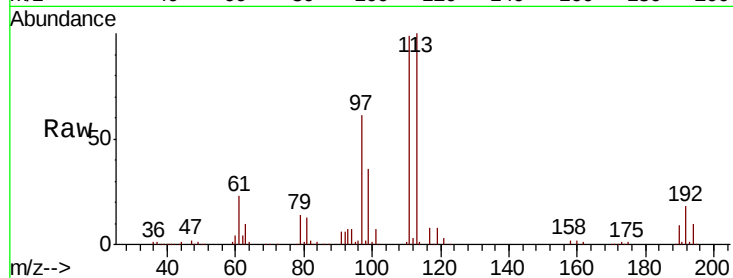
#35
Dibromofluoromethane
Concen: 50.111 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132991		
111	103.6	82.3	123.5	
192	22.4	17.9	26.9	

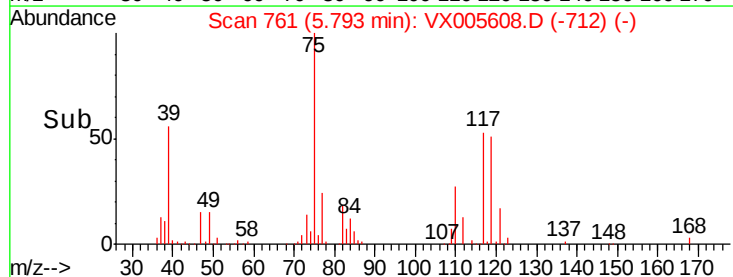
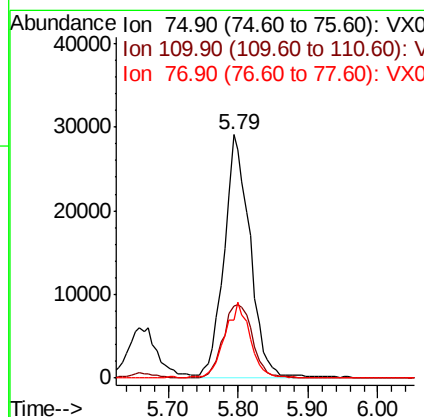
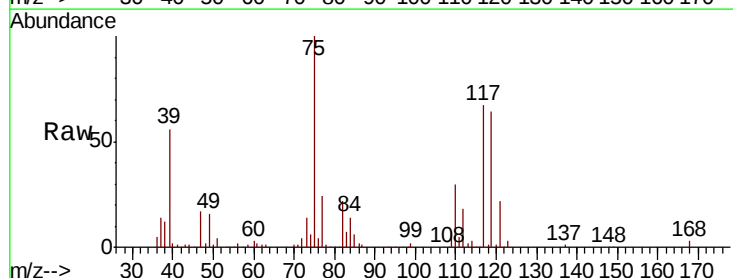
Manual Integrations
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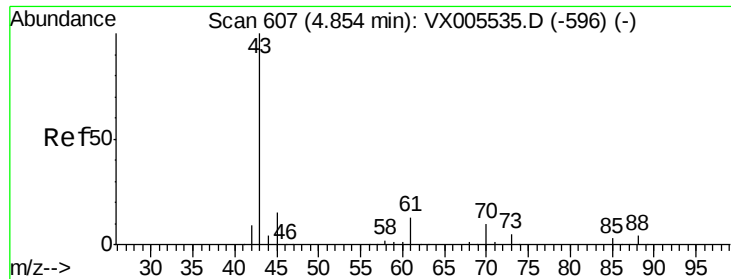
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10/29/2018 12:43:24 PM



#36
1,1-Dichloropropene
Concen: 19.474 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74074		
110	34.7	17.4	52.2	
77	30.4	25.8	38.6	





#37

Ethyl Acetate

Concen: 21.314 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

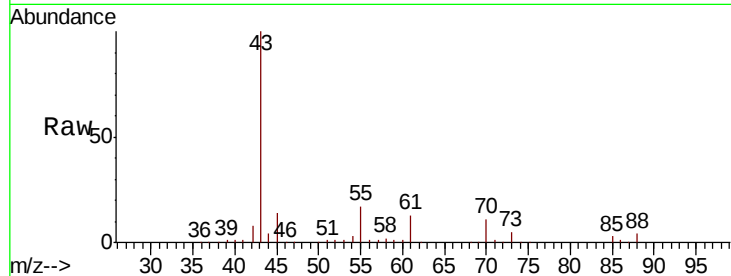
ClientSampleId :

VX1026WBS01

Tot Ion:	43	Resp:	103456
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	10.2	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VX005535.D (-596) (-)

Ion 60.90 (60.60 to 61.60): VX005535.D (-596) (-)

Ion 70.00 (69.70 to 70.70): VX005535.D (-596) (-)

Ion 85.88 (85.58 to 86.18): VX005535.D (-596) (-)

Ion 103.456 (103.156 to 103.756): VX005535.D (-596) (-)

Ion 117.1 (116.80 to 117.40): VX005535.D (-596) (-)

Ion 121.1 (120.80 to 121.40): VX005535.D (-596) (-)

Ion 149.1 (148.80 to 149.40): VX005535.D (-596) (-)

Ion 168.1 (167.80 to 168.40): VX005535.D (-596) (-)

Ion 184.1 (183.80 to 184.40): VX005535.D (-596) (-)

Ion 200.1 (199.80 to 200.40): VX005535.D (-596) (-)

Ion 216.1 (215.80 to 216.40): VX005535.D (-596) (-)

Ion 232.1 (231.80 to 232.40): VX005535.D (-596) (-)

Ion 248.1 (247.80 to 248.40): VX005535.D (-596) (-)

Ion 264.1 (263.80 to 264.40): VX005535.D (-596) (-)

Ion 280.1 (279.80 to 280.40): VX005535.D (-596) (-)

Ion 296.1 (295.80 to 296.40): VX005535.D (-596) (-)

Ion 312.1 (311.80 to 312.40): VX005535.D (-596) (-)

Ion 328.1 (327.80 to 328.40): VX005535.D (-596) (-)

Ion 344.1 (343.80 to 344.40): VX005535.D (-596) (-)

Ion 360.1 (359.80 to 360.40): VX005535.D (-596) (-)

Ion 376.1 (375.80 to 376.40): VX005535.D (-596) (-)

Ion 392.1 (391.80 to 392.40): VX005535.D (-596) (-)

Ion 408.1 (407.80 to 408.40): VX005535.D (-596) (-)

Ion 424.1 (423.80 to 424.40): VX005535.D (-596) (-)

Ion 440.1 (439.80 to 440.40): VX005535.D (-596) (-)

Ion 456.1 (455.80 to 456.40): VX005535.D (-596) (-)

Ion 472.1 (471.80 to 472.40): VX005535.D (-596) (-)

Ion 488.1 (487.80 to 488.40): VX005535.D (-596) (-)

Ion 504.1 (503.80 to 504.40): VX005535.D (-596) (-)

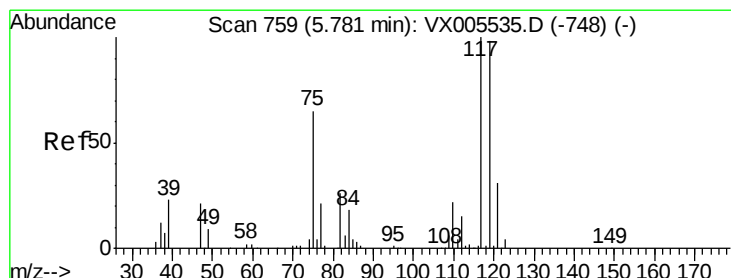
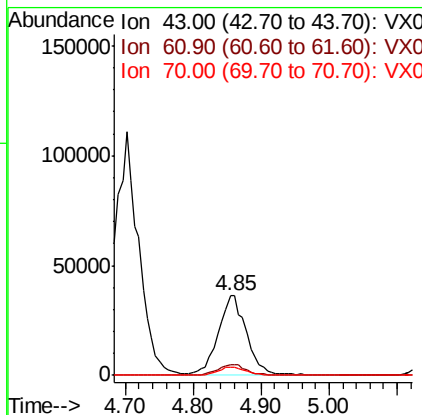
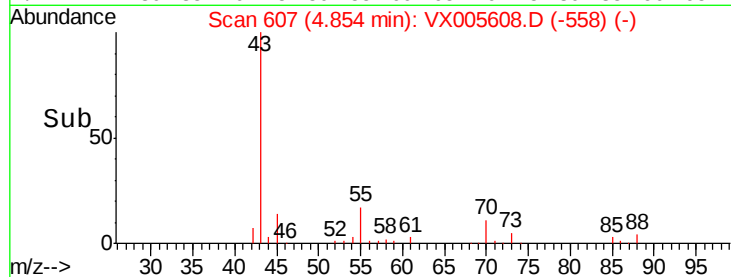
Ion 520.1 (519.80 to 520.40): VX005535.D (-596) (-)

Ion 536.1 (535.80 to 536.40): VX005535.D (-596) (-)

Ion 552.1 (551.80 to 552.40): VX005535.D (-596) (-)

Ion 568.1 (567.80 to 568.40): VX005535.D (-596) (-)

Ion 584.1 (583.80 to 584.40): VX005535.D (-596) (-)



#38

Carbon Tetrachloride

Concen: 17.687 ug/l

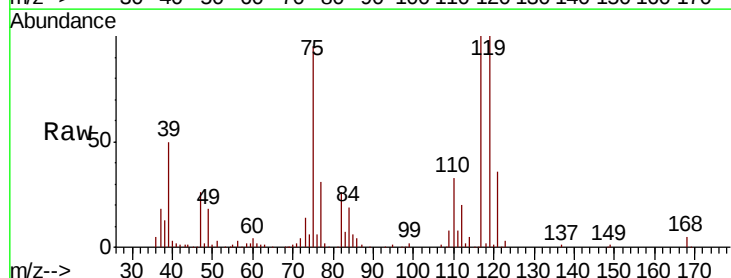
RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion:	117	Resp:	70857
Ion	Ratio	Lower	Upper
117	100		
119	99.7	78.1	117.1
121	35.8	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VX005535.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005535.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005535.D (-748) (-)

Ion 122.80 (122.50 to 123.50): VX005535.D (-748) (-)

Ion 124.80 (124.50 to 125.50): VX005535.D (-748) (-)

Ion 126.80 (126.50 to 127.50): VX005535.D (-748) (-)

Ion 128.80 (128.50 to 129.50): VX005535.D (-748) (-)

Ion 130.80 (130.50 to 131.50): VX005535.D (-748) (-)

Ion 132.80 (132.50 to 133.50): VX005535.D (-748) (-)

Ion 134.80 (134.50 to 135.50): VX005535.D (-748) (-)

Ion 136.80 (136.50 to 137.50): VX005535.D (-748) (-)

Ion 138.80 (138.50 to 139.50): VX005535.D (-748) (-)

Ion 140.80 (140.50 to 141.50): VX005535.D (-748) (-)

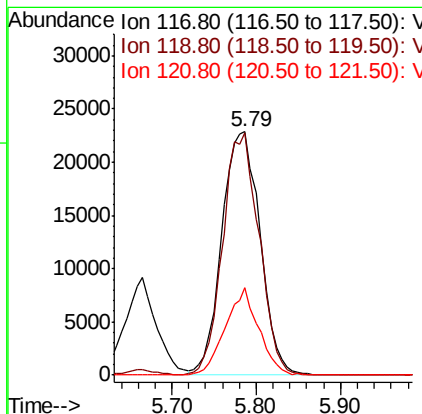
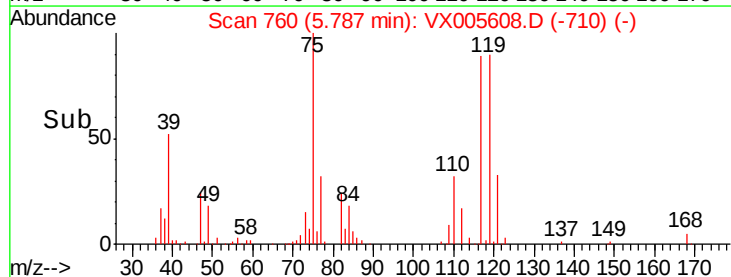
Ion 142.80 (142.50 to 143.50): VX005535.D (-748) (-)

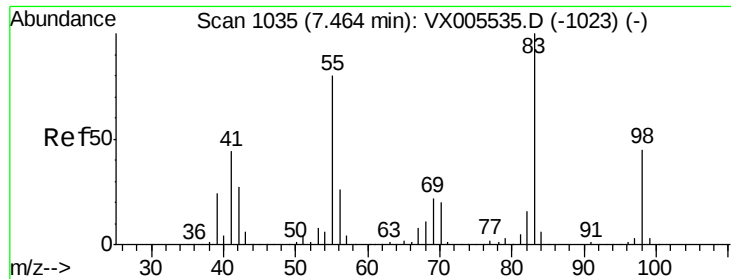
Ion 144.80 (144.50 to 145.50): VX005535.D (-748) (-)

Ion 146.80 (146.50 to 147.50): VX005535.D (-748) (-)

Ion 148.80 (148.50 to 149.50): VX005535.D (-748) (-)

Ion 150.80 (150.50 to 151.50): VX005535.D (-748) (-)





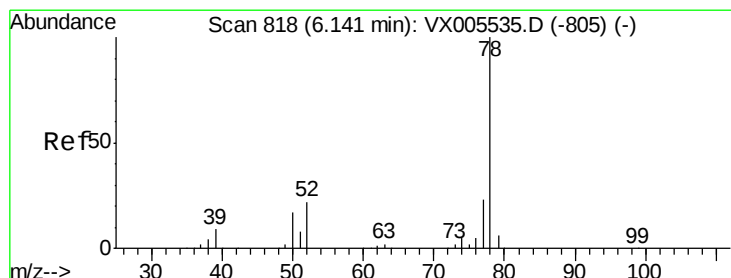
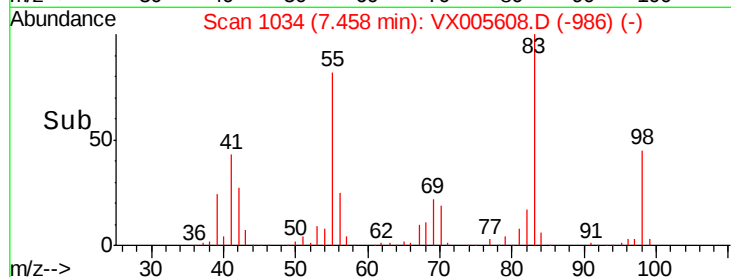
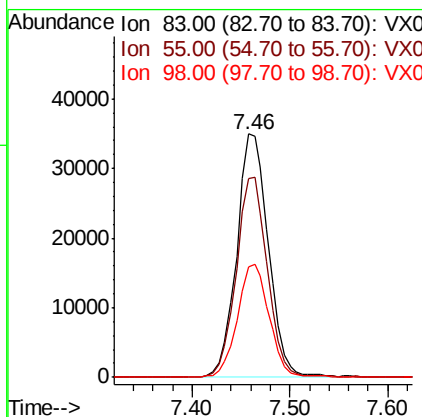
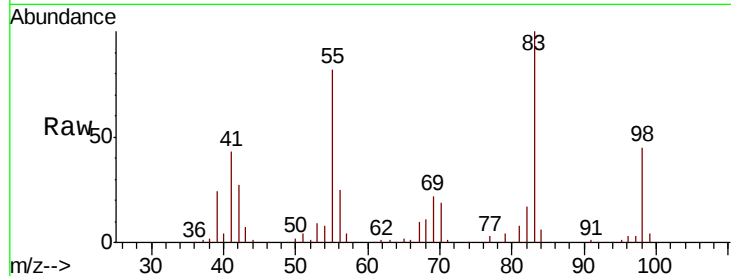
#39
Methvlcvclohexane
Concen: 18.680 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.7	95.5
98	45.2	36.2	54.2

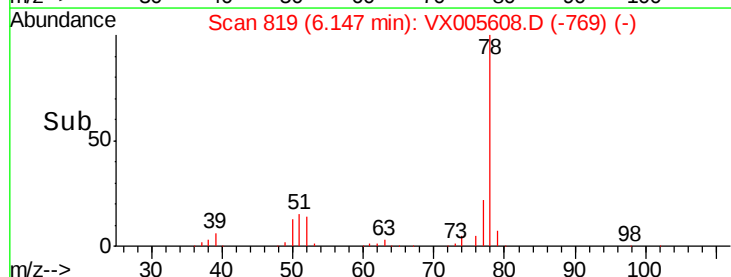
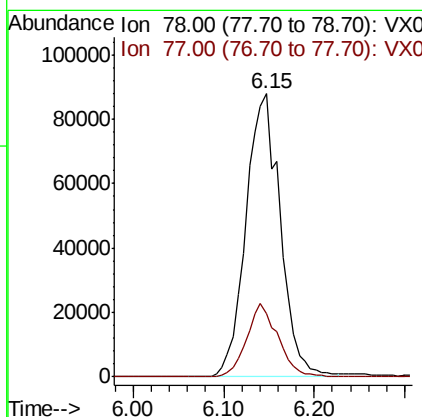
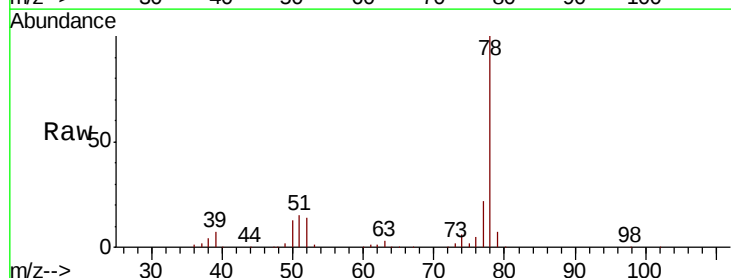
Manual Integrations
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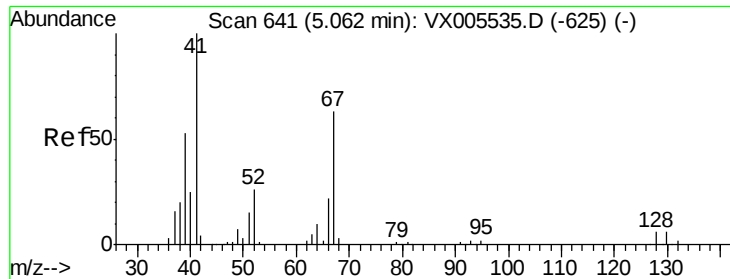
MMDadoda
10/29/2018 12:43:24 PM



#40
Benzene
Concen: 21.067 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6





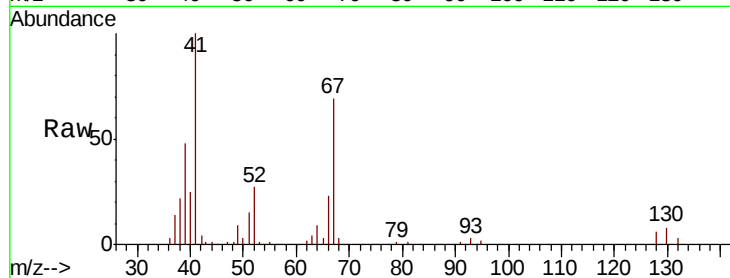
#41
Methacrylonitrile
Concen: 21.035 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.8	42.2	63.2	
67	67.2	53.4	80.0	
52	26.7	23.4	35.2	

Manual Integrations
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MMDadoda
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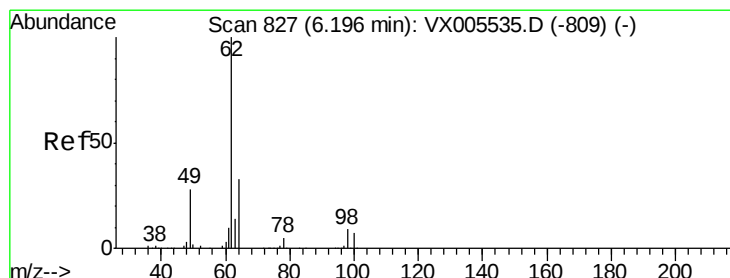
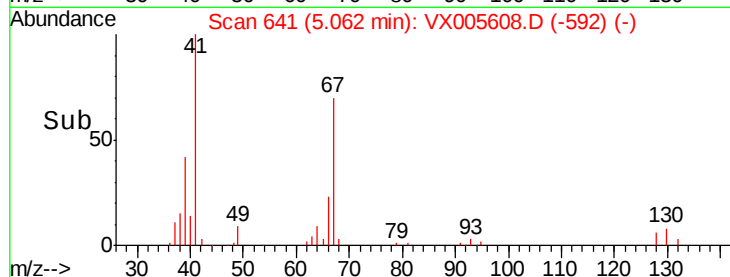
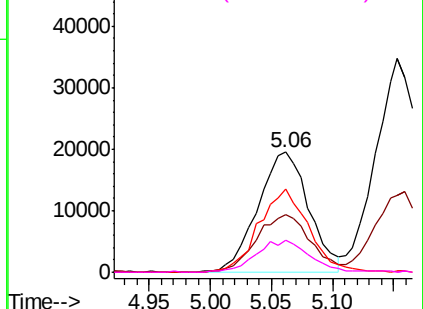
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

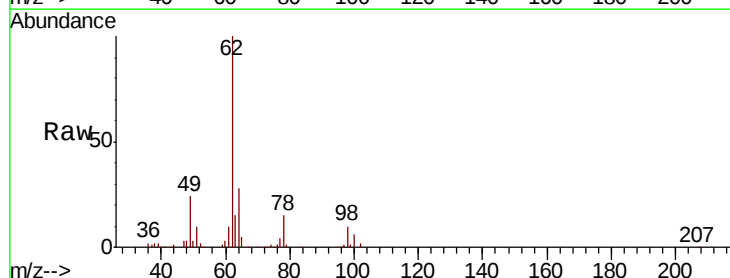
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 19.018 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

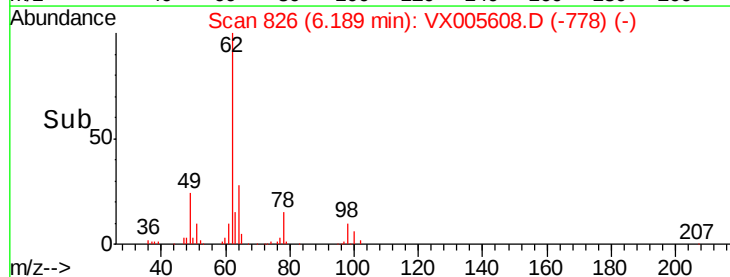
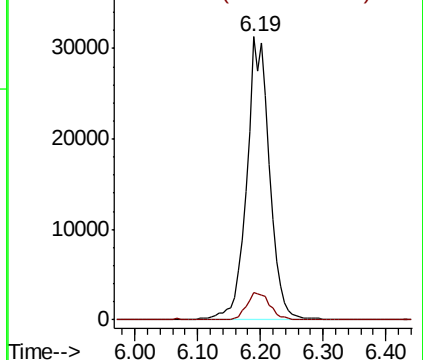
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	17.8	

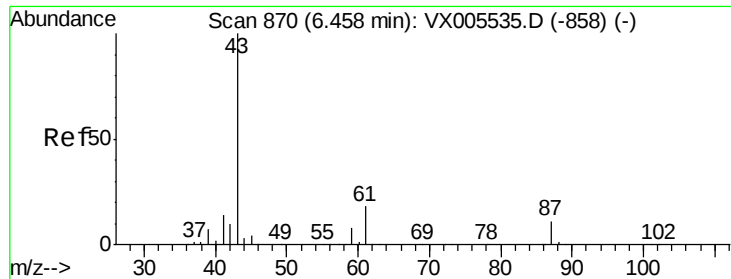


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

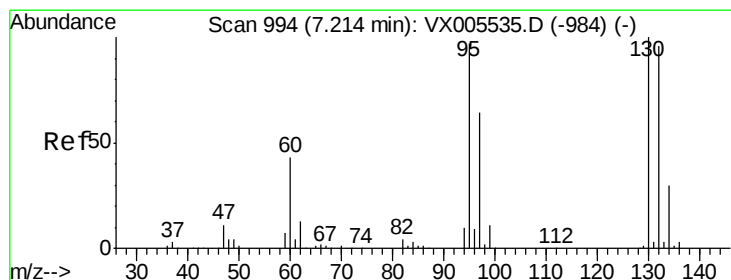
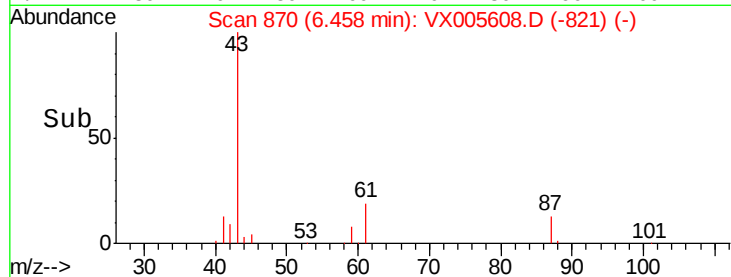
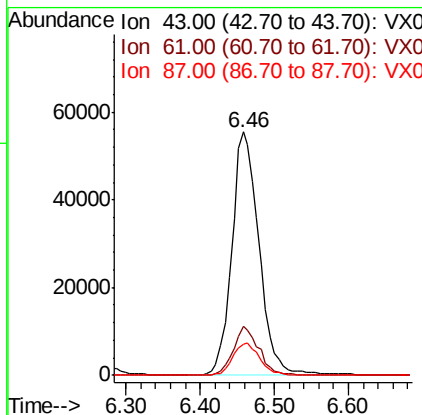
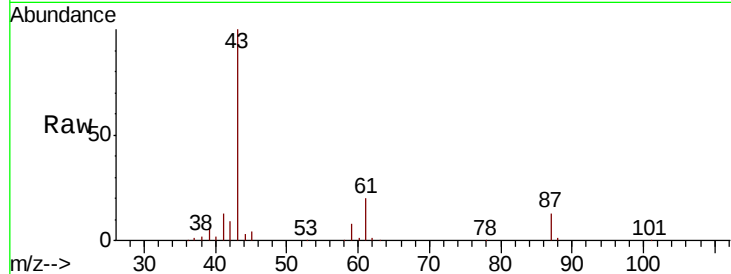
Isopropyl Acetate
 Concen: 19.376 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.6	22.0
87	13.3	9.6	14.4

Manual Integrations
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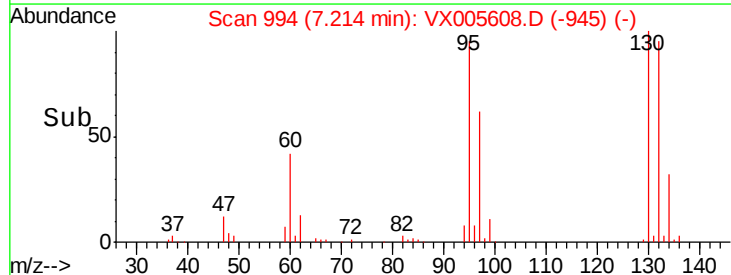
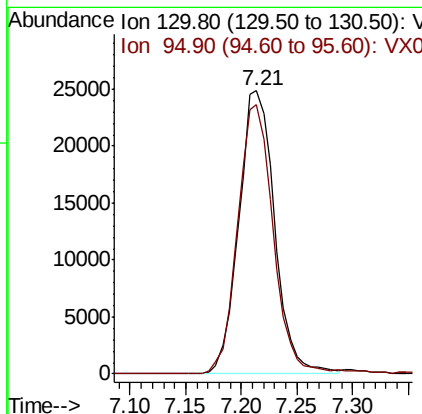
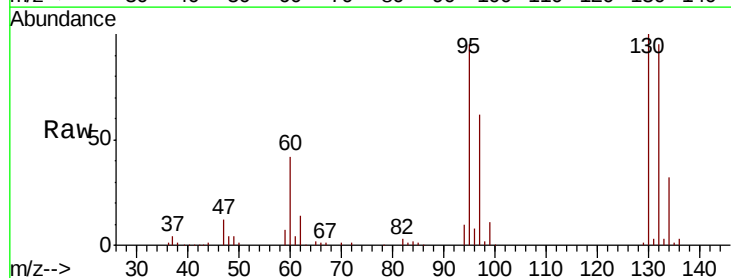
MMDadoda
 10/29/2018 12:43:24 PM



#44

Trichloroethene
 Concen: 18.726 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	194.2





#45

1,2-Dichloropropane

Concen: 18.724 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 63 Resp: 54888

Ion Ratio Lower Upper

63 100

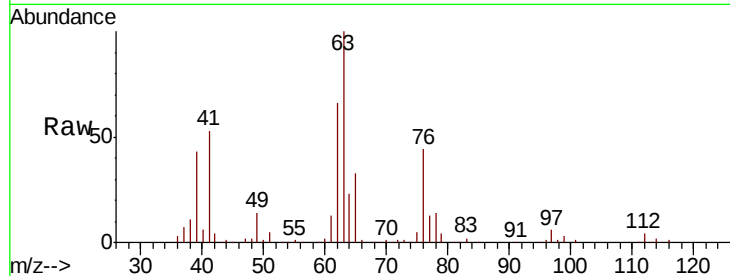
65 32.7 24.8 37.2

Manual Integrations

APPROVED

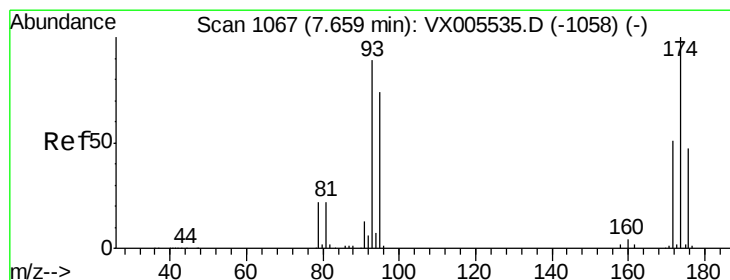
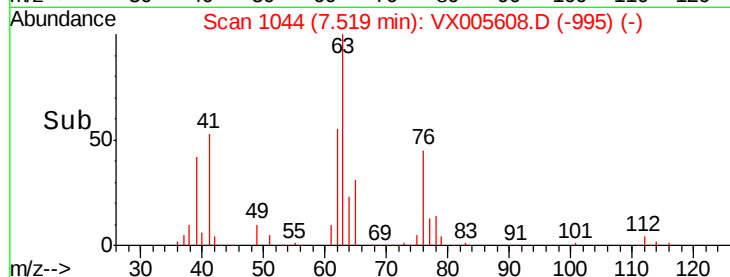
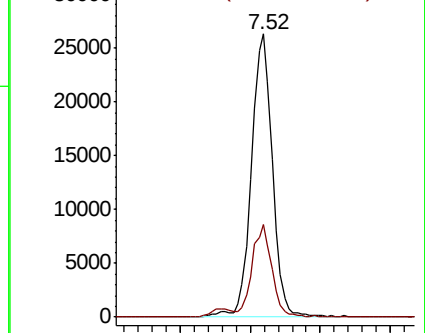
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.961 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

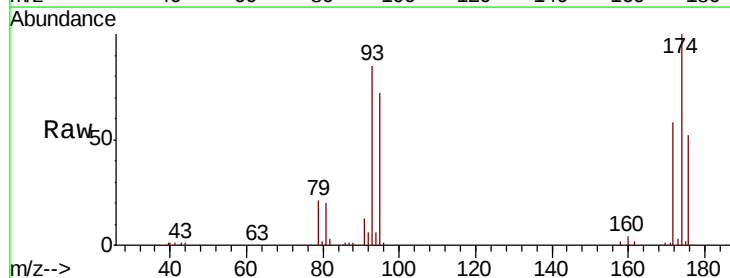
Tgt Ion: 93 Resp: 34006

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

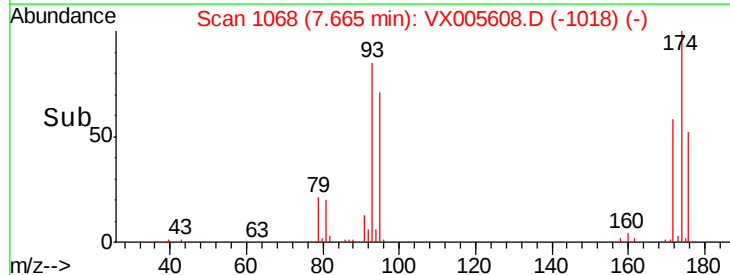
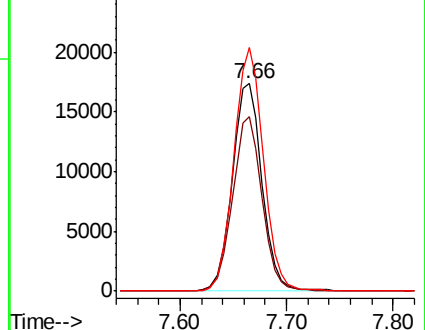
174 116.6 91.5 137.3

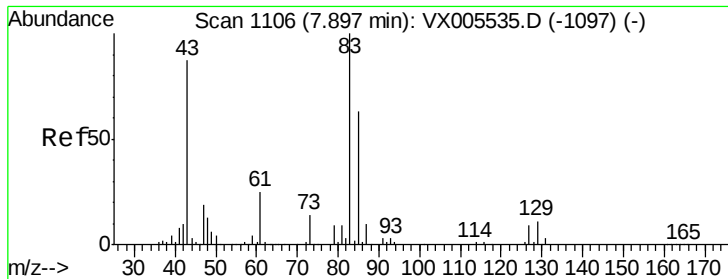


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





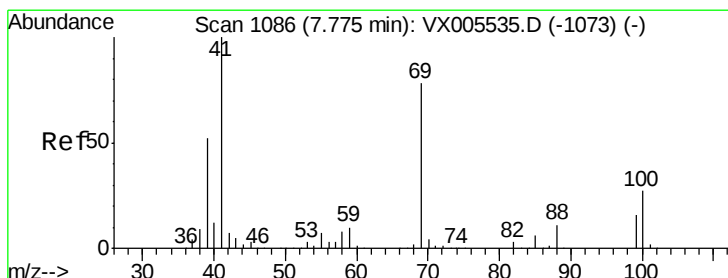
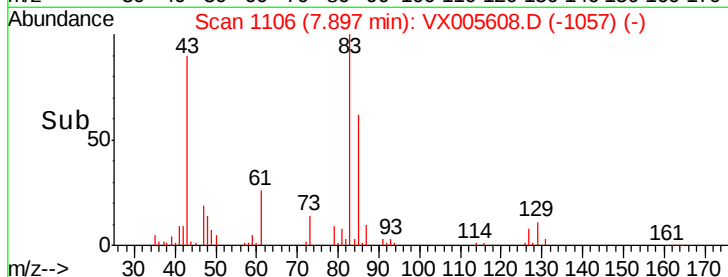
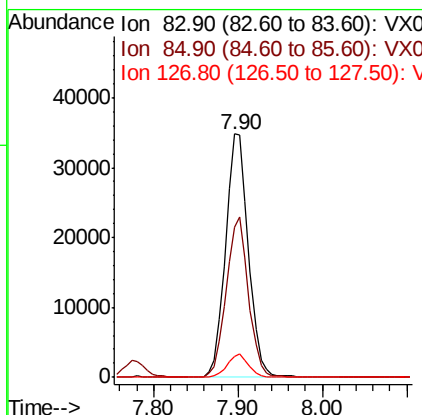
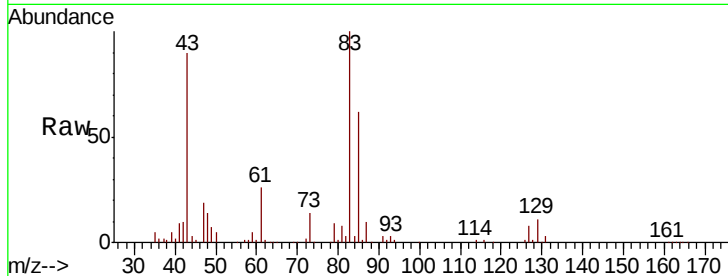
#47
 Bromodichloromethane
 Concen: 17.565 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.2	75.4
127	8.4	6.9	10.3

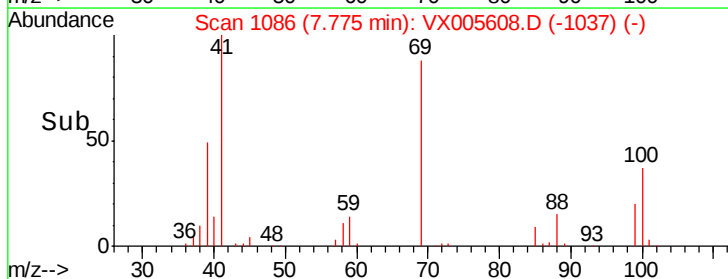
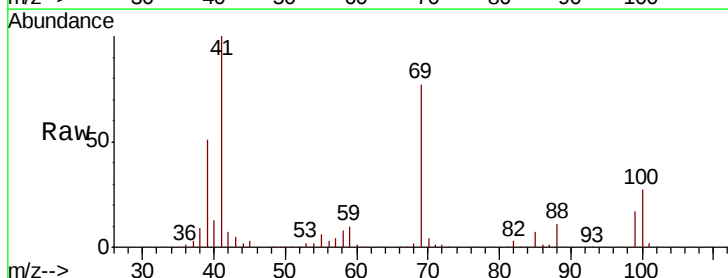
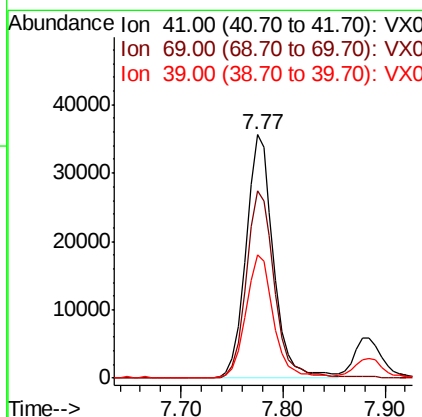
Manual Integrations
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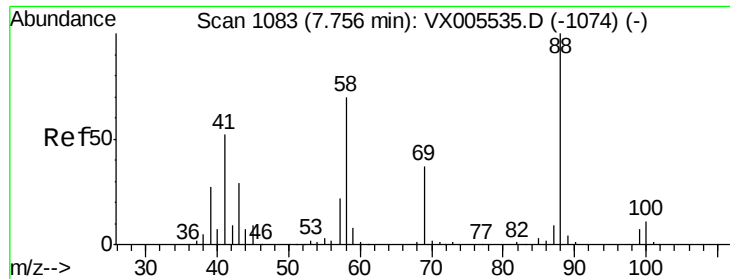
MMDadoda
 10/29/2018 12:43:24 PM



#48
 Methyl methacrylate
 Concen: 18.744 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.7	63.2	94.8
39	51.3	42.2	63.2





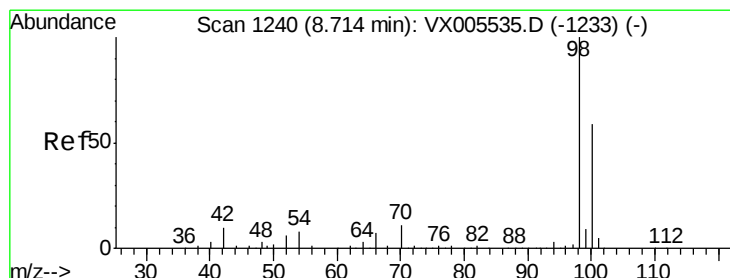
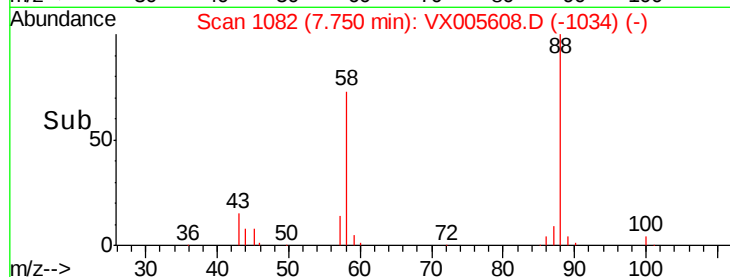
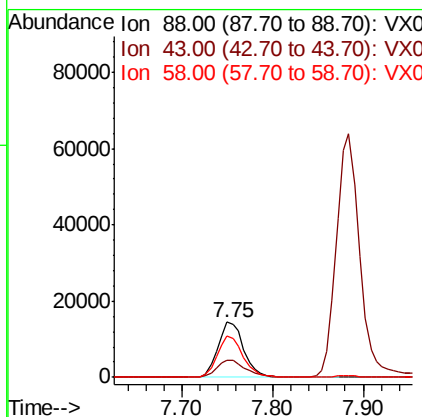
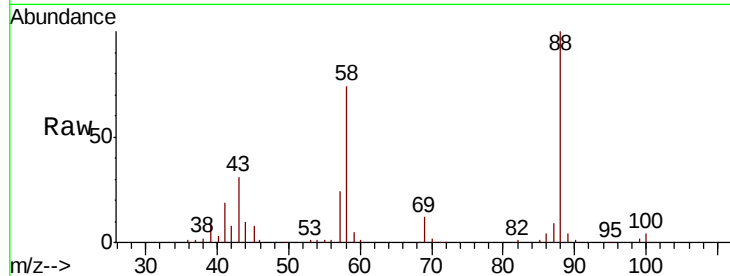
#49
1,4-Dioxane
Concen: 373.465 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	27.4	41.0
58	74.7	59.4	89.2

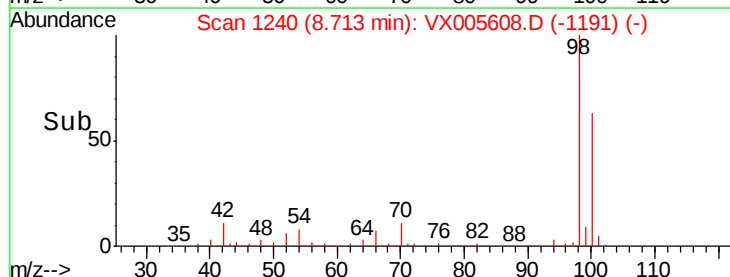
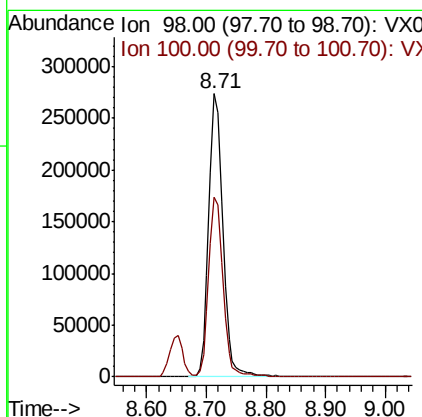
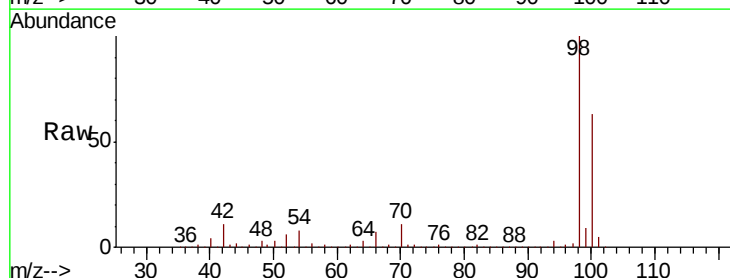
Manual Integrations
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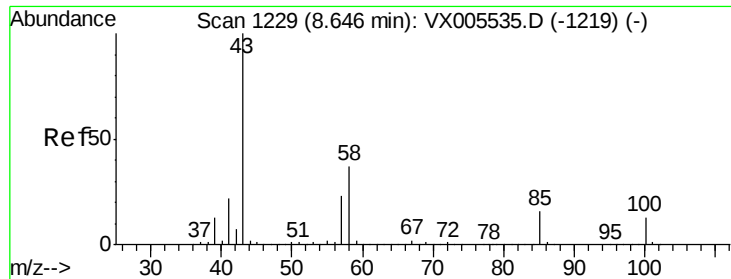
MMDadoda
10/29/2018 12:43:24 PM



#50
Toluene-d8
Concen: 46.853 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 94.208 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 43 Resp: 460507

Ion Ratio Lower Upper

43 100

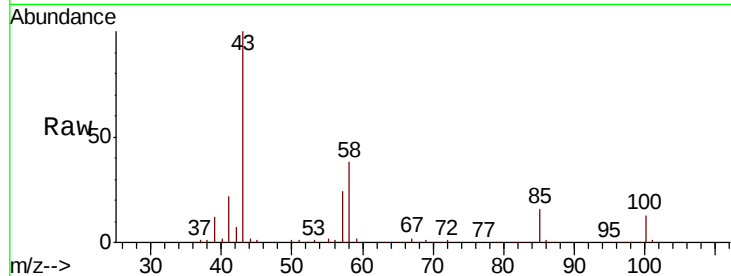
58 37.2 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300000

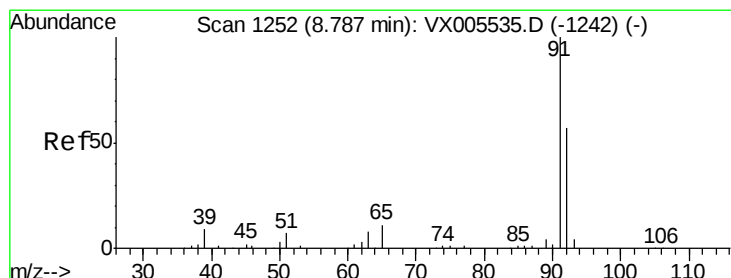
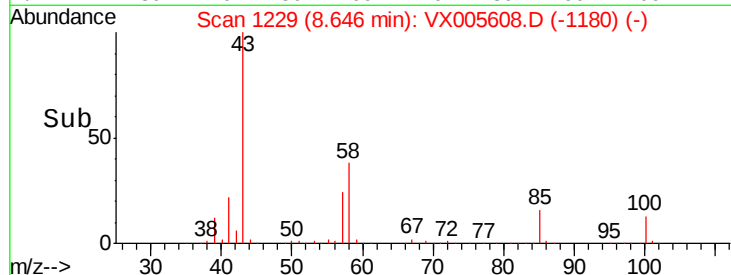
200000

100000

0

8.50 8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 19.008 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005608.D

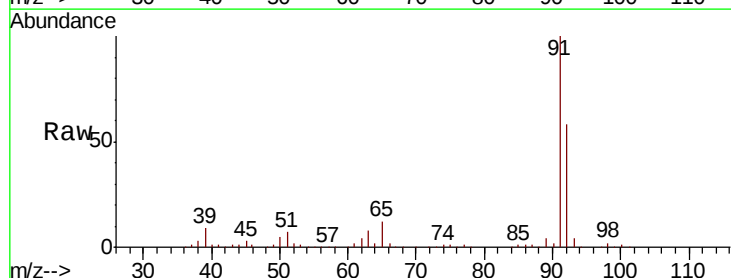
Acq: 26 Oct 2018 16:42

Tgt Ion: 92 Resp: 125962

Ion Ratio Lower Upper

92 100

91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

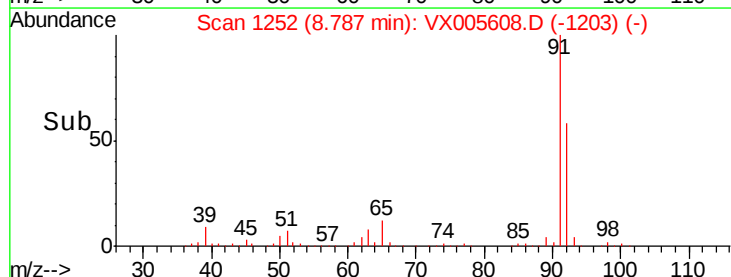
100000

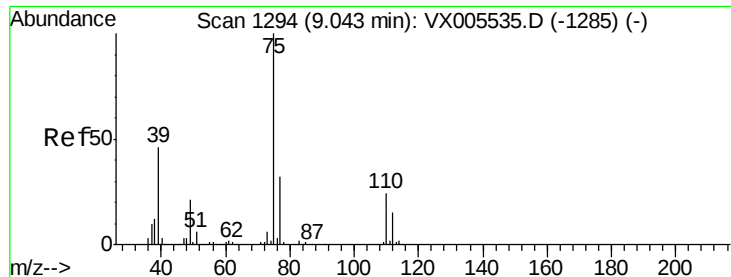
50000

0

8.70 8.80 8.90 9.00

Time-->





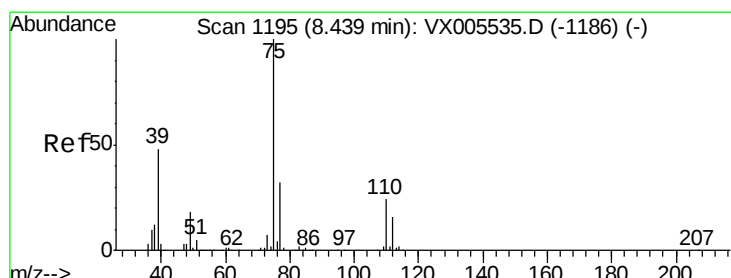
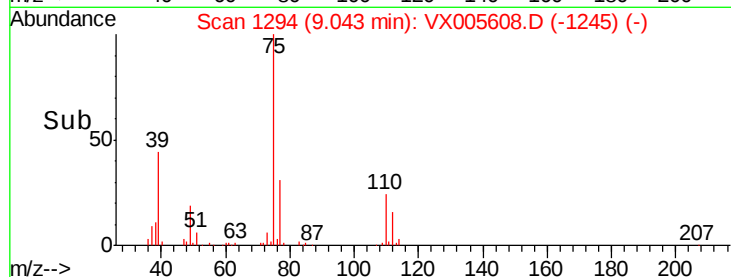
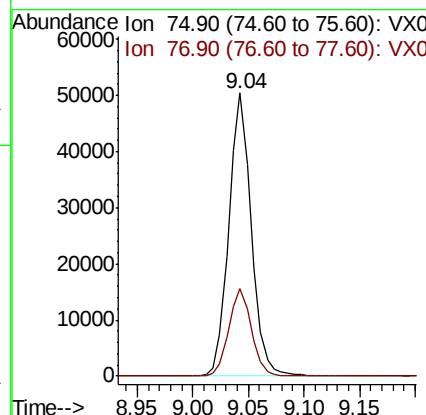
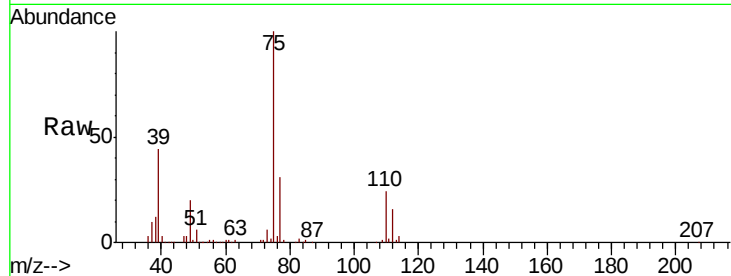
#53
t-1,3-Dichloropropene
Concen: 17.721 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

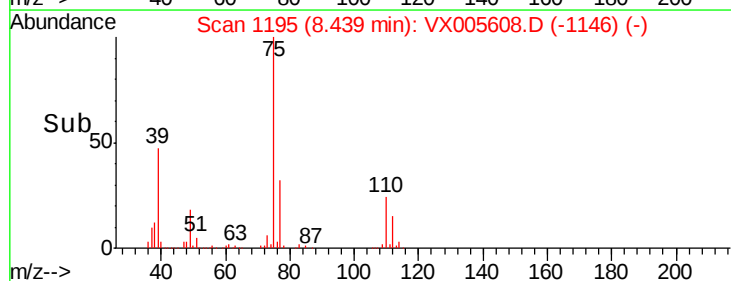
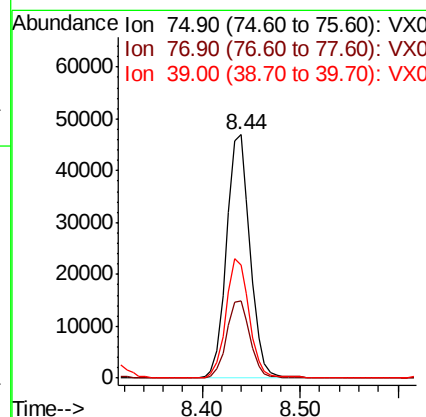
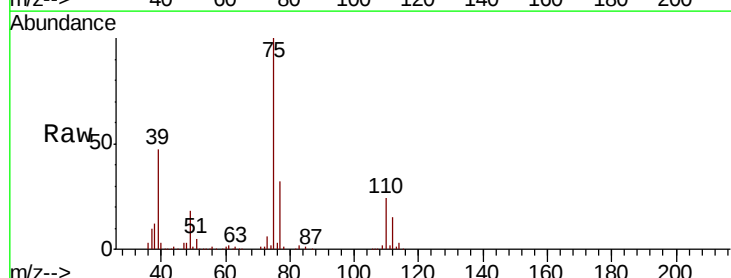
Manual Integrations
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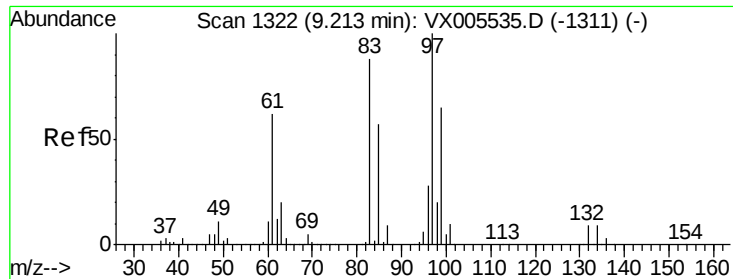
MMDadoda
10/29/2018 12:43:24 PM



#54
cis-1,3-Dichloropropene
Concen: 18.338 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	46.5	38.2	57.2





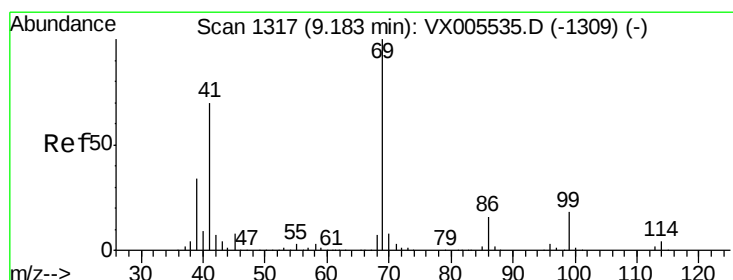
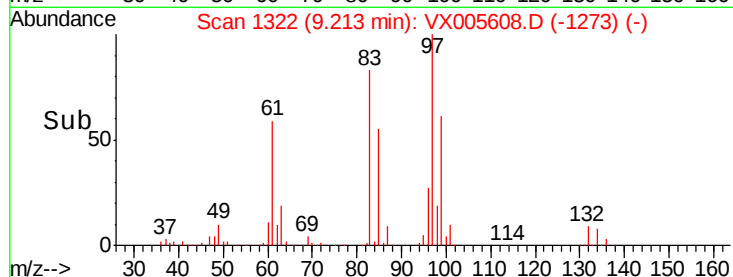
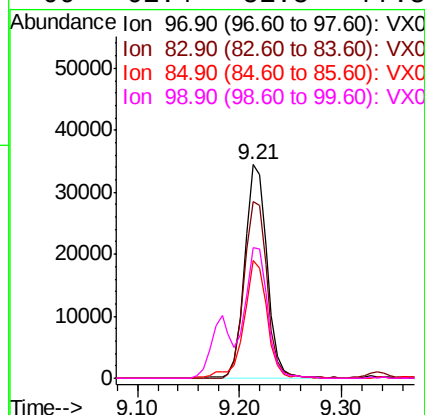
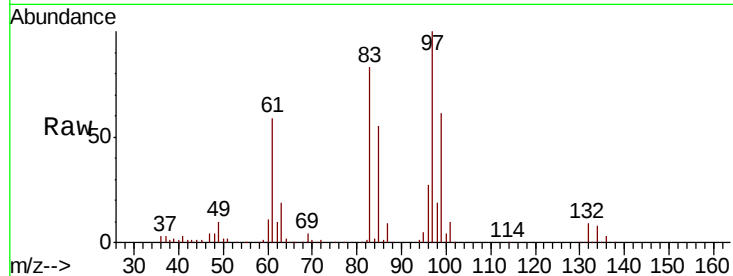
#55
 1,1,2-Trichloroethane
 Concen: 18.743 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.0	70.7	106.1	
85	55.1	45.8	68.6	
99	61.4	51.8	77.8	

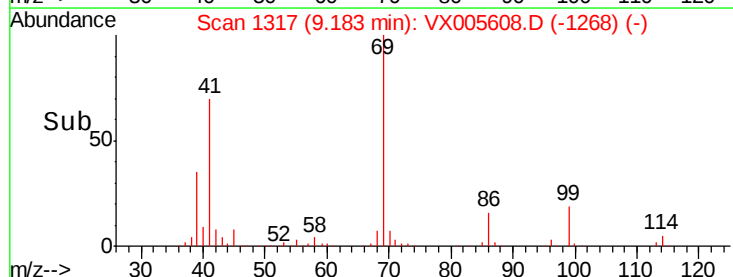
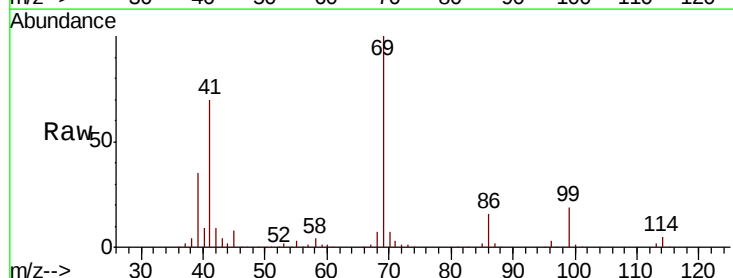
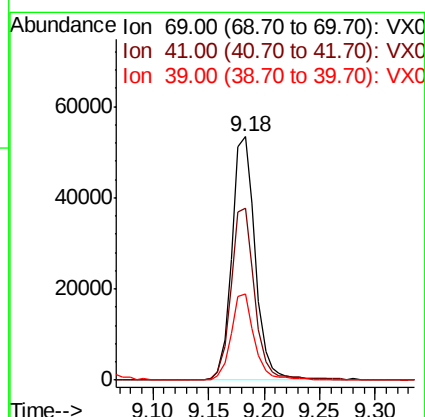
Manual Integrations
 APPROVED

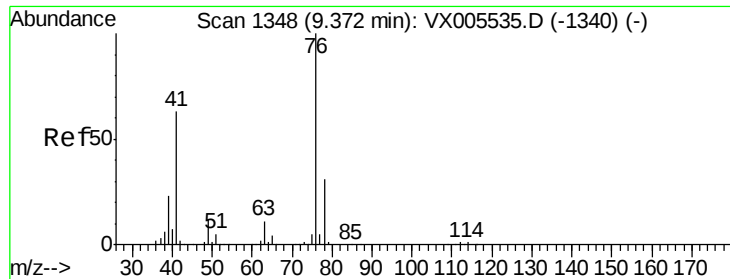
MMDadoda
 10/29/2018 12:43:24 PM



#56
 Ethyl methacrylate
 Concen: 18.655 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	70.9	57.0	85.6	
39	34.8	28.3	42.5	





#57

1,3-Dichloropropane

Concen: 18.253 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 76 Resp: 86289

Ion Ratio Lower Upper

76 100

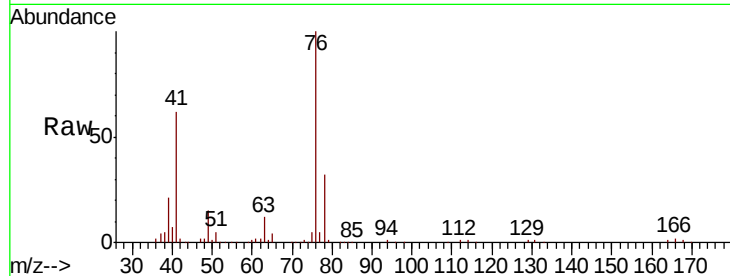
78 32.1 25.3 37.9

Manual Integrations

APPROVED

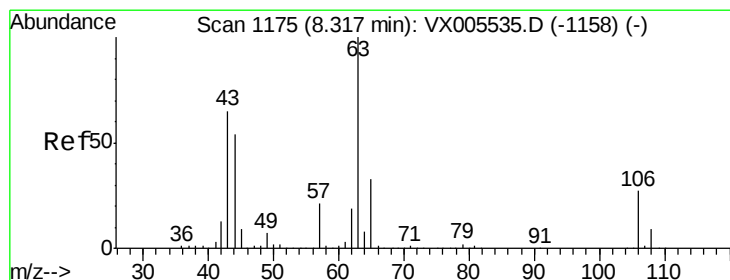
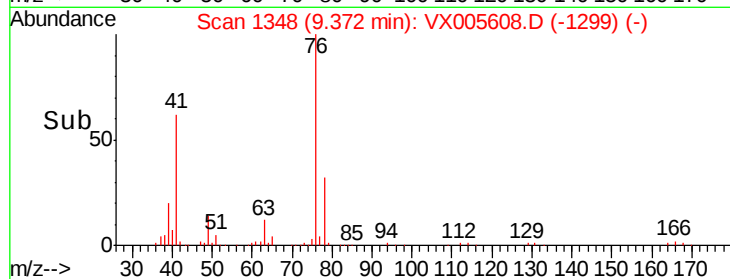
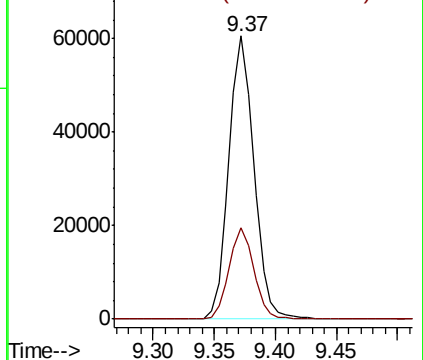
MMDadoda

10/29/2018 12:43:24 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 91.384 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005608.D

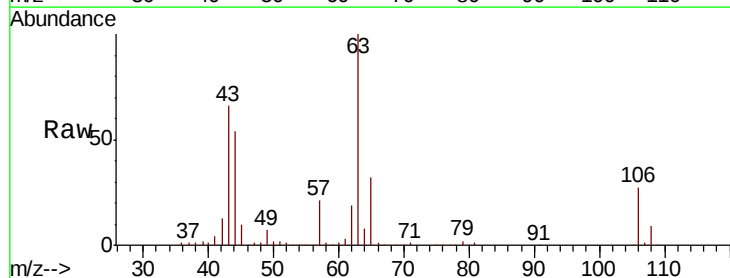
Acq: 26 Oct 2018 16:42

Tgt Ion: 63 Resp: 212693

Ion Ratio Lower Upper

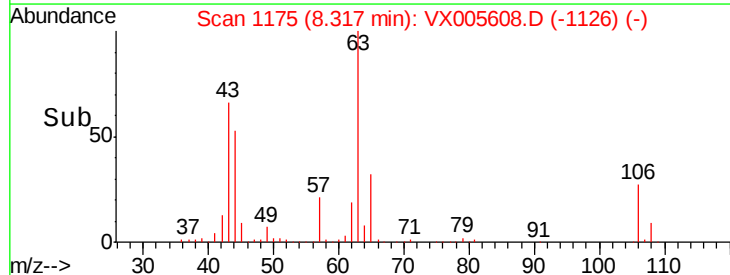
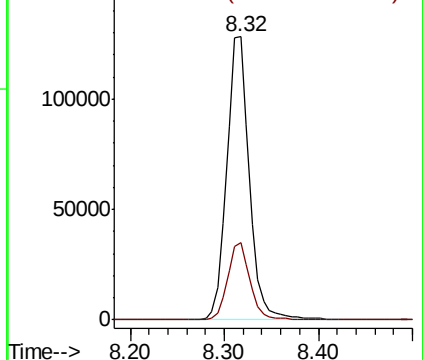
63 100

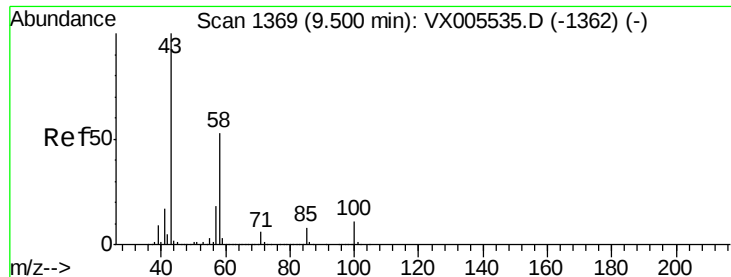
106 26.9 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





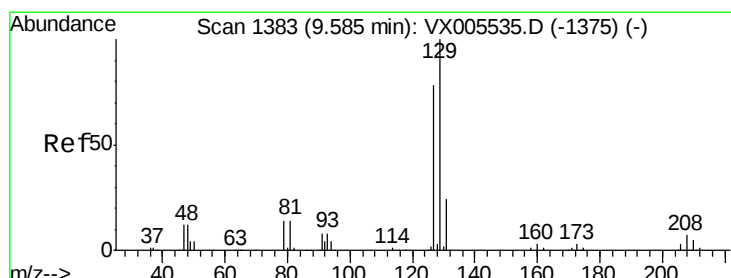
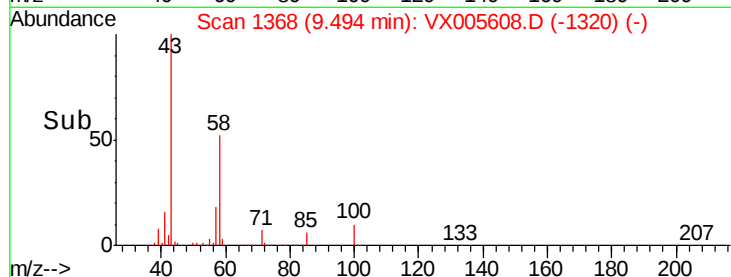
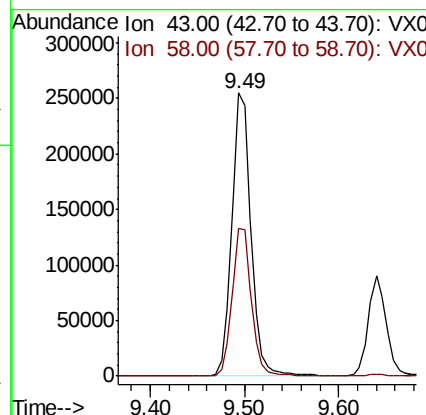
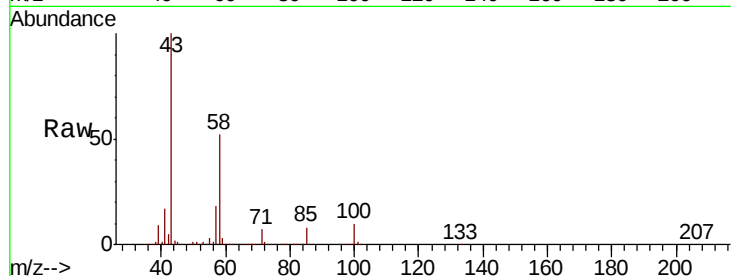
#59
2-Hexanone
Concen: 93.427 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion: 43 Resp: 360080
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8

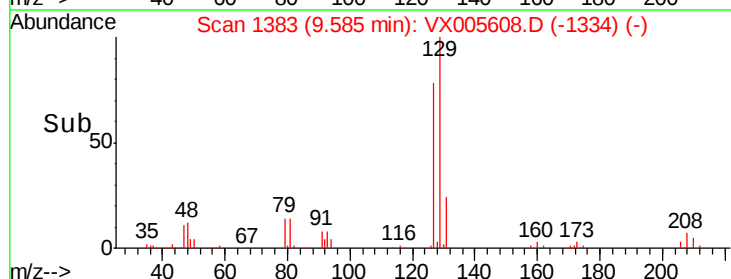
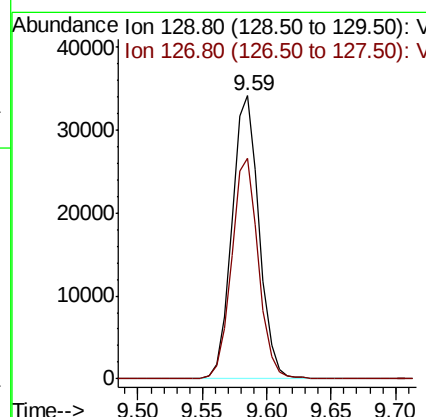
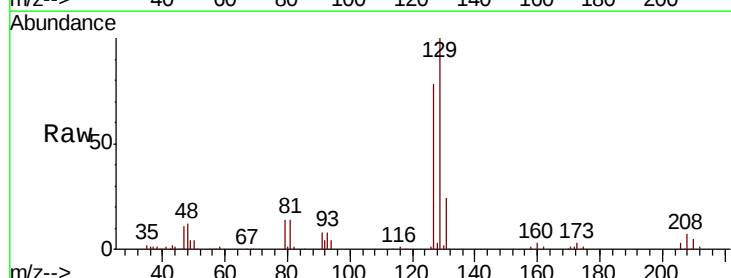
Manual Integrations
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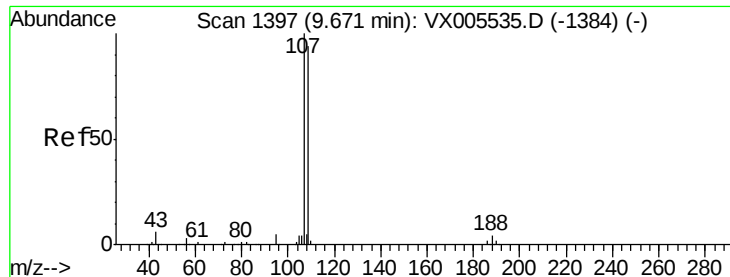
MMDadoda
10/29/2018 12:43:24 PM



#60
Dibromochloromethane
Concen: 17.261 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion: 129 Resp: 50314
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.517 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion:107 Resp: 53521

Ion Ratio Lower Upper

107 100

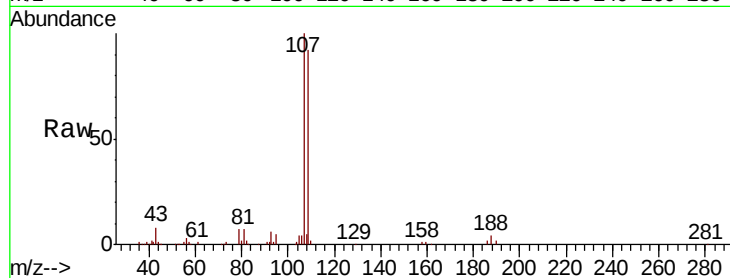
109 94.1 75.7 113.5

Manual Integrations

APPROVED

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10/29/2018 12:43:24 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

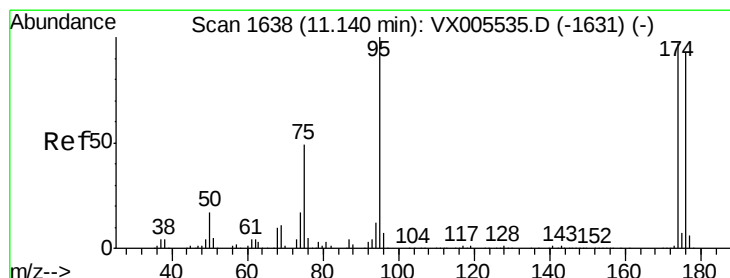
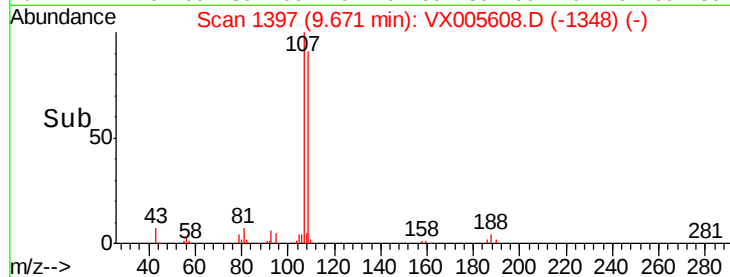
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 46.282 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

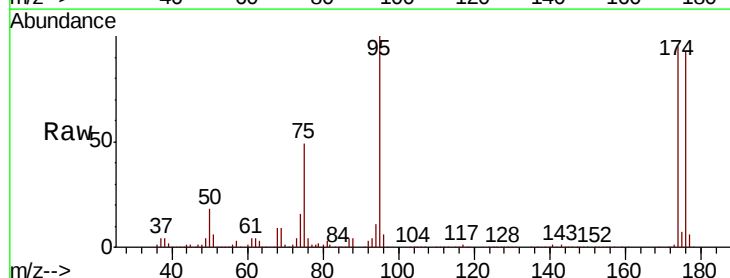
Tgt Ion: 95 Resp: 166675

Ion Ratio Lower Upper

95 100

174 90.0 0.0 184.4

176 88.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

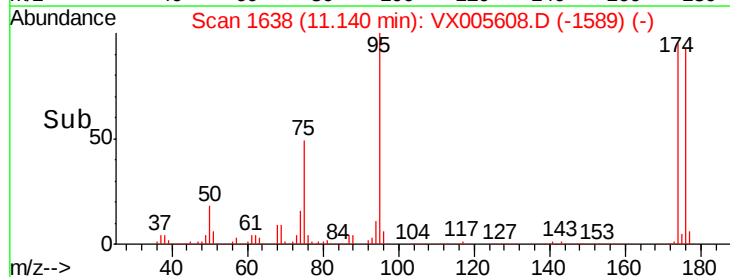
100000

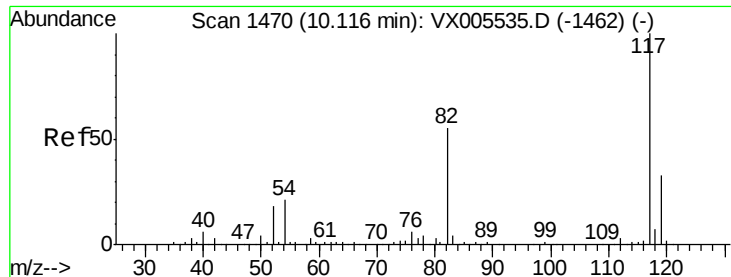
50000

0

Time-->

11.10 11.20





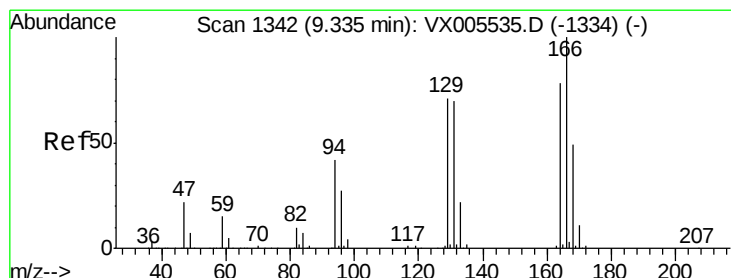
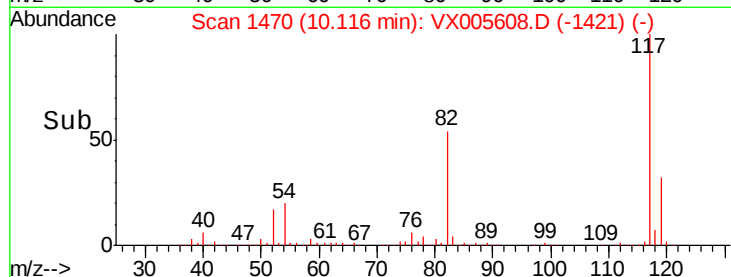
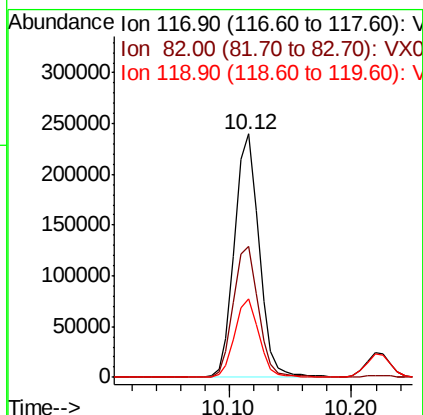
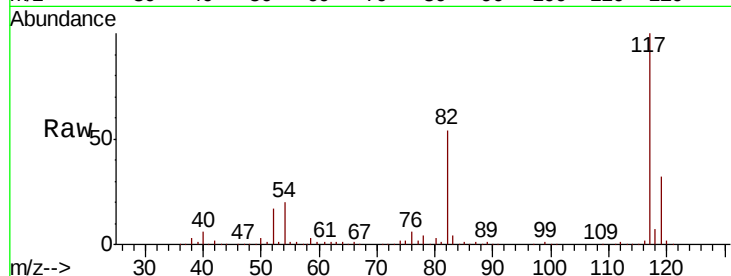
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333585		
82	54.1		44.1	66.1
119	32.1		26.2	39.2

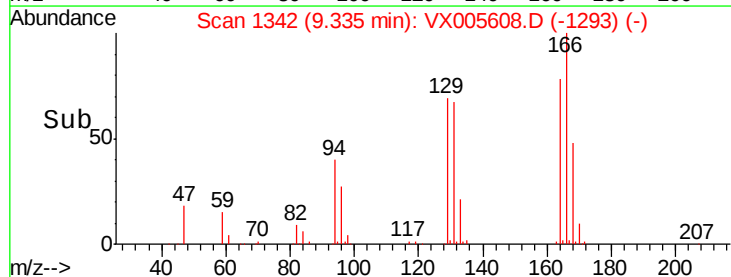
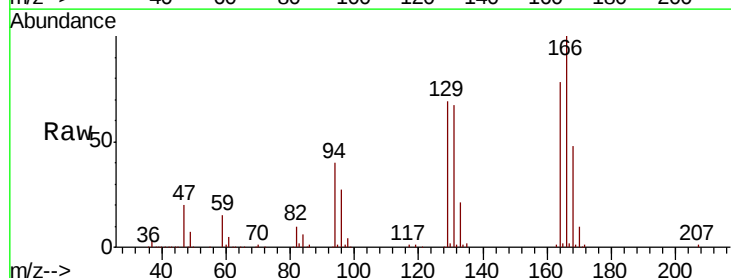
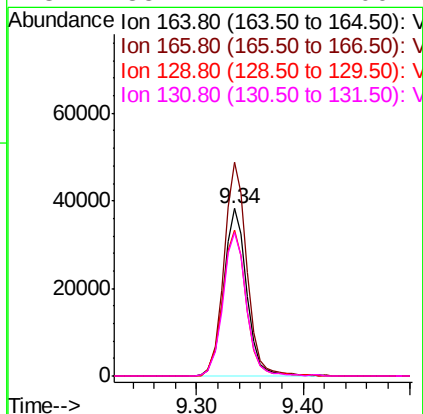
Manual Integrations
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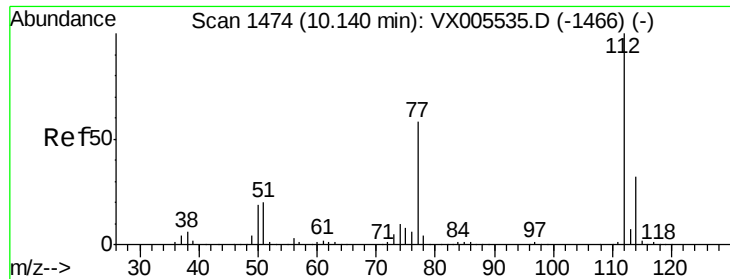
MMDadoda
10/29/2018 12:43:24 PM



#64
Tetrachloroethene
Concen: 20.966 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58058		
166	127.6		101.9	152.9
129	87.5		72.6	109.0
131	85.7		71.1	106.7





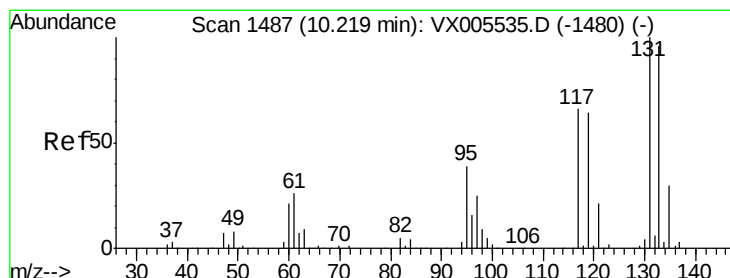
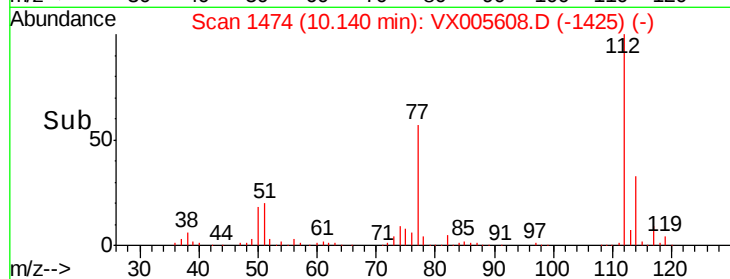
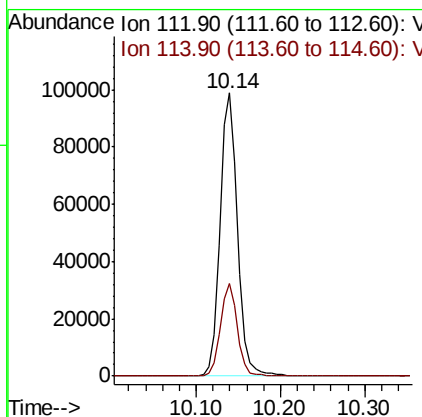
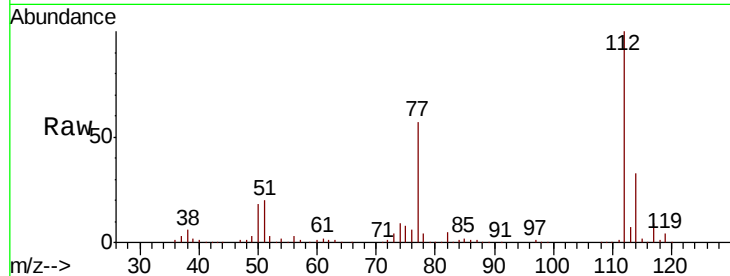
#65
Chlorobenzene
Concen: 19.911 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion:112 Resp: 141441
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

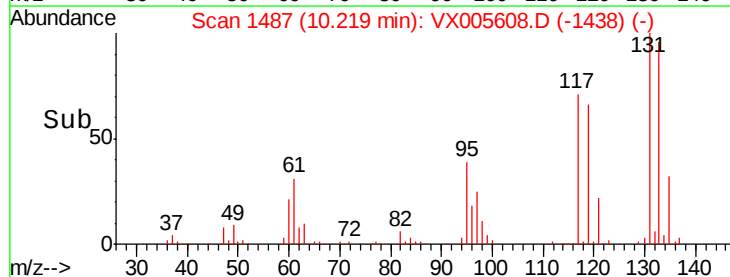
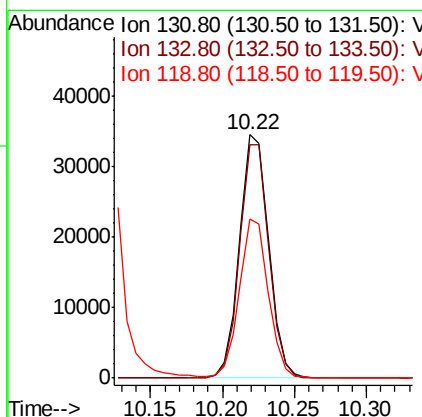
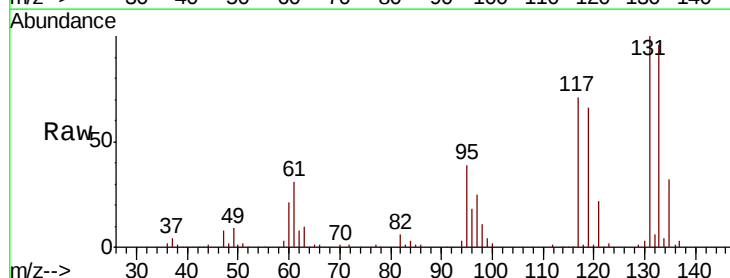
Manual Integrations
APPROVED

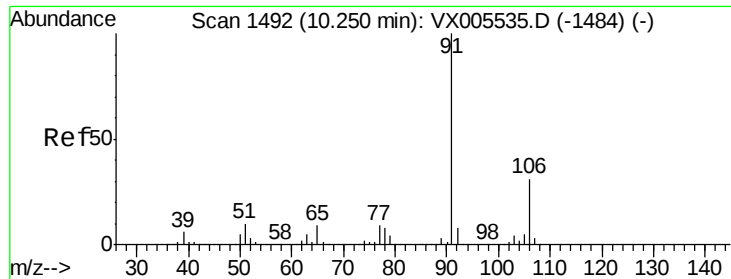
MMDadoda
10/29/2018 12:43:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.787 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion:131 Resp: 48660
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.5
119 65.3 31.8 95.3





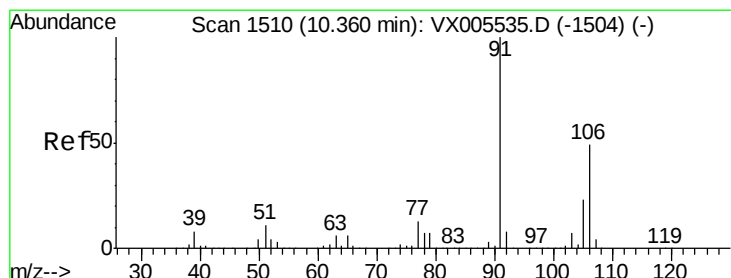
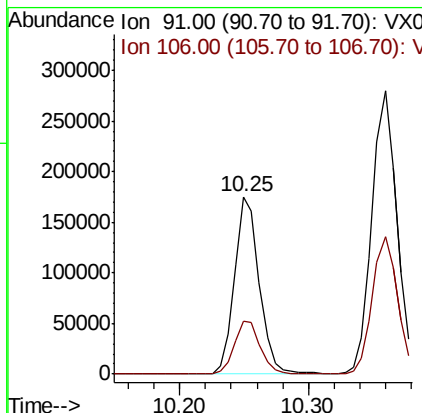
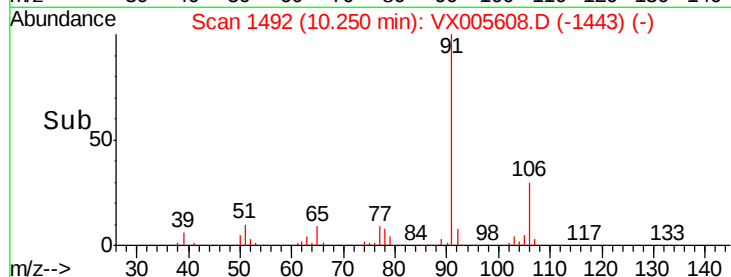
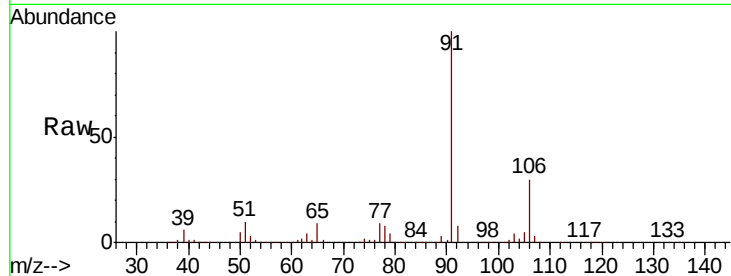
#67
Ethyl Benzene
Concen: 20.181 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion: 91 Resp: 235858
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

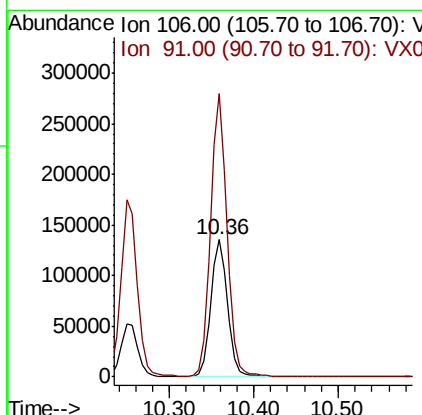
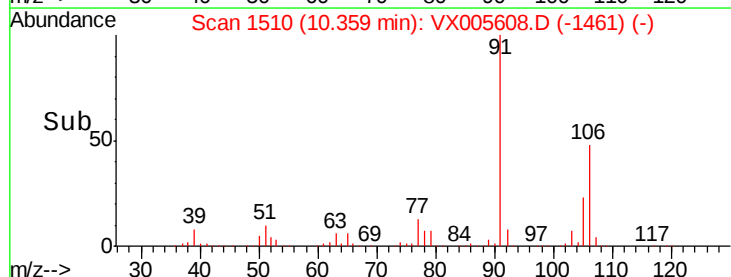
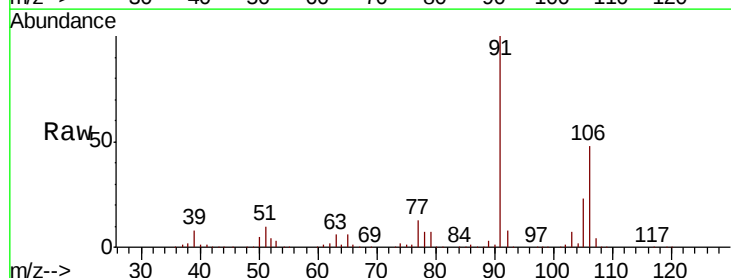
Manual Integrations
APPROVED

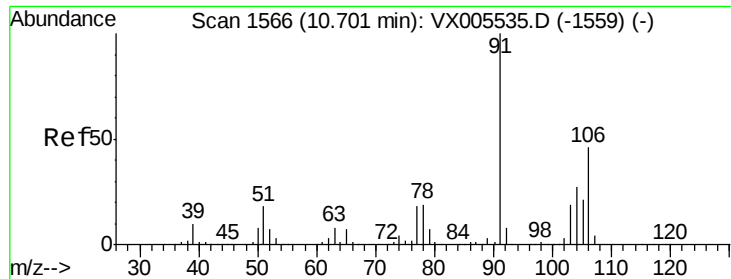
MMDadoda
10/29/2018 12:43:24 PM



#68
m/p-Xylenes
Concen: 41.138 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion: 106 Resp: 186535
Ion Ratio Lower Upper
106 100
91 203.4 164.2 246.4





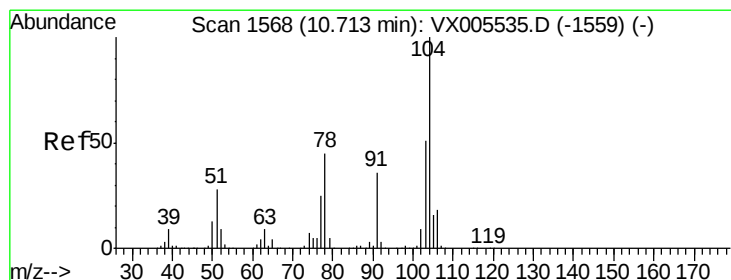
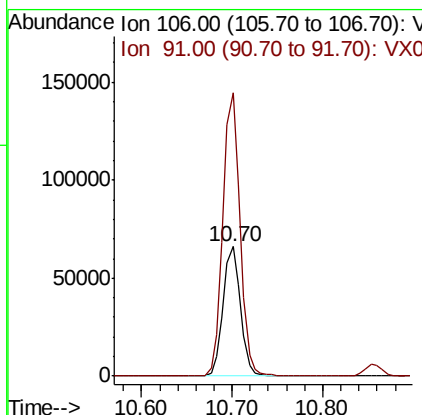
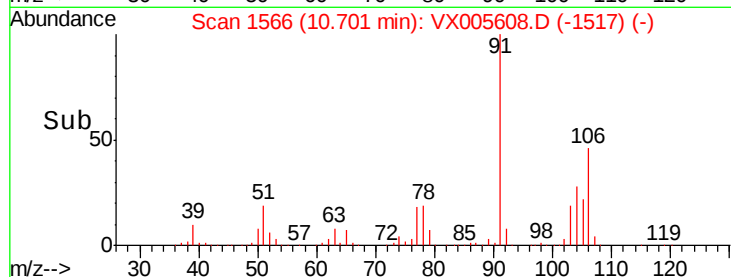
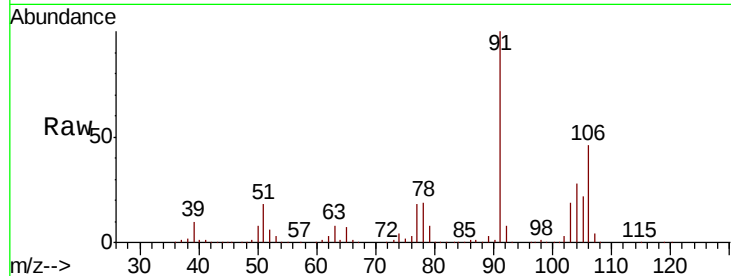
#69
o-Xylene
Concen: 20.777 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion:106 Resp: 88636
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.5

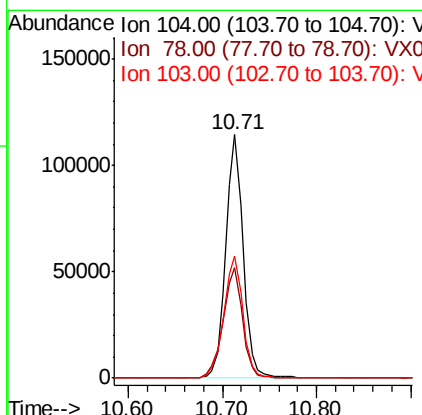
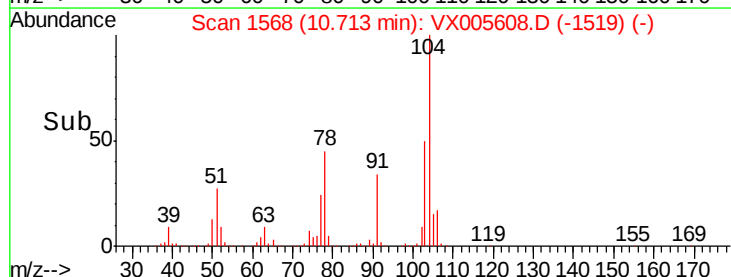
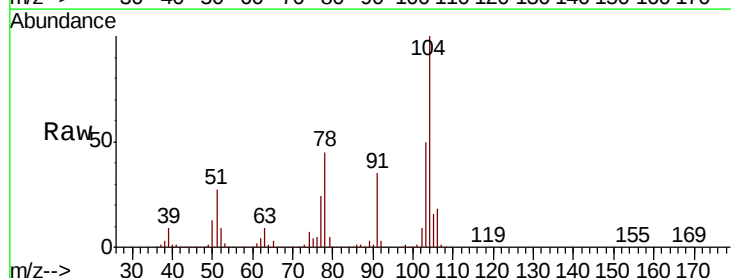
Manual Integrations
APPROVED

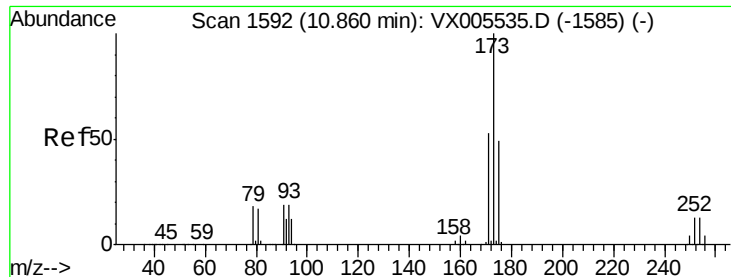
MMDadoda
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#70
Styrene
Concen: 20.637 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion:104 Resp: 147373
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.4
103 55.4 44.9 67.3





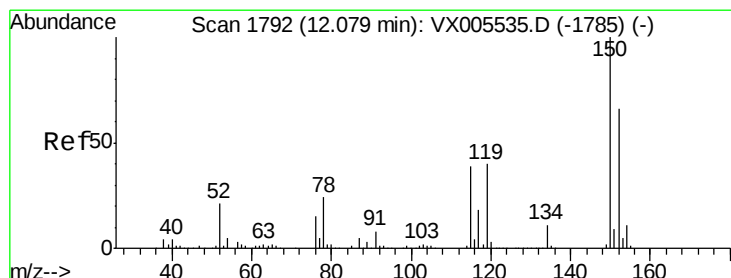
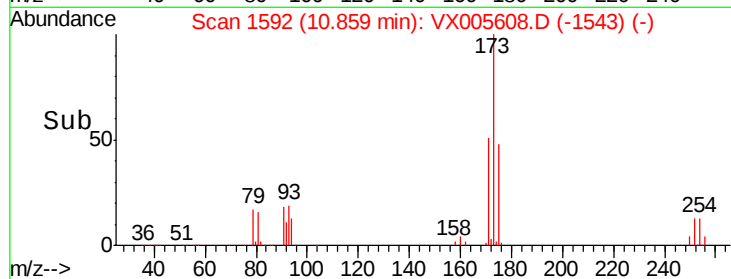
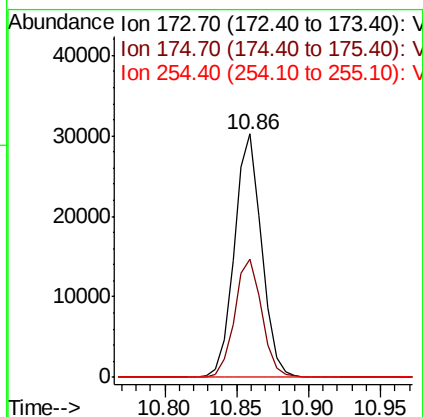
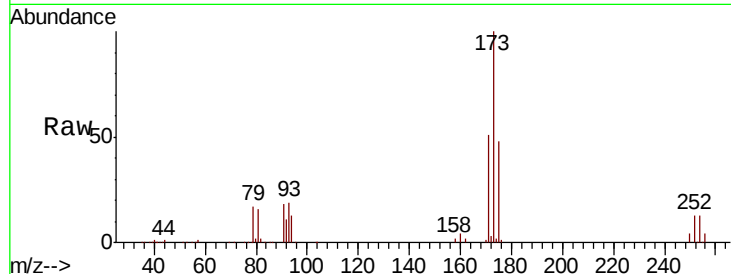
#71
Bromoform
Concen: 17.274 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.8	74.3
254	0.1	0.2	0.2

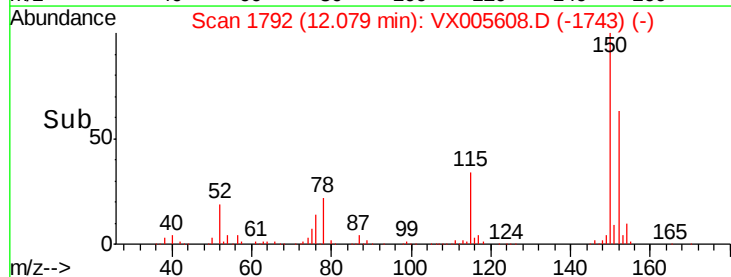
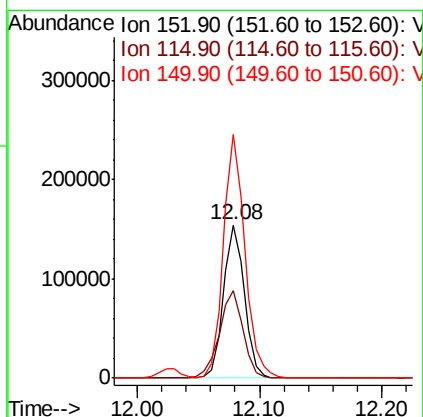
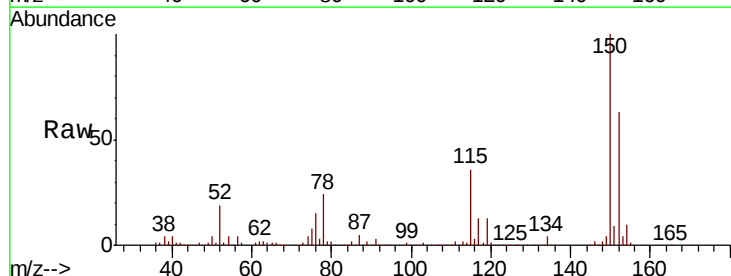
Manual Integrations
APPROVED

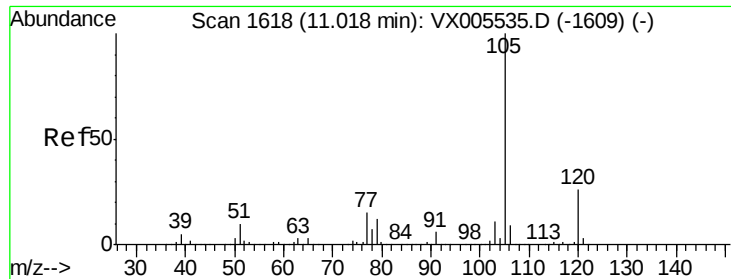
MMDadoda
10/29/2018 12:43:24 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	39.4	118.1
150	164.2	0.0	346.4





#73

Isopropylbenzene

Concen: 21.911 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion: 105 Resp: 243781

Ion Ratio Lower Upper

105 100

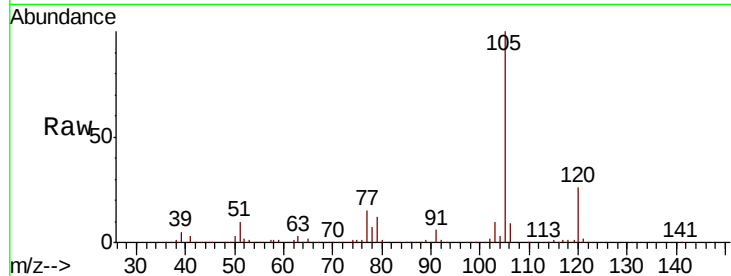
120 26.3 13.1 39.3

Manual Integrations

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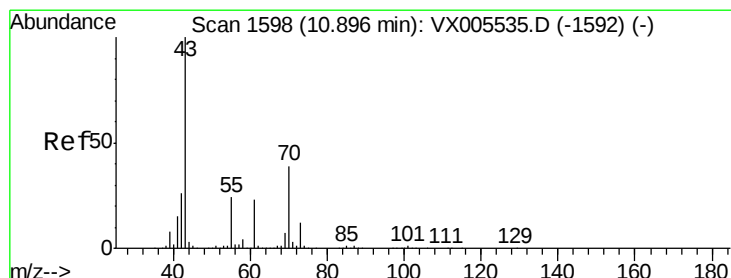
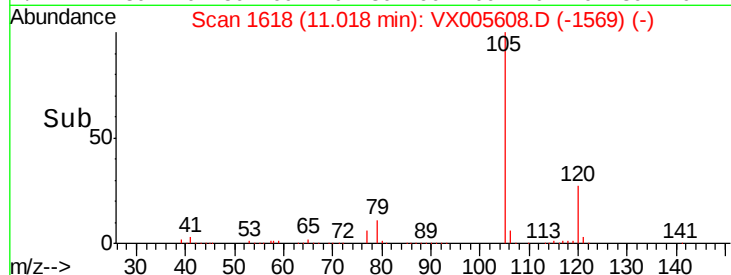
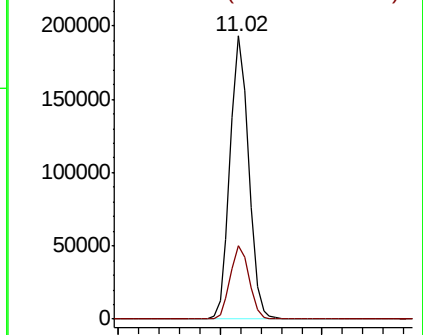
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.047 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion: 43 Resp: 116030

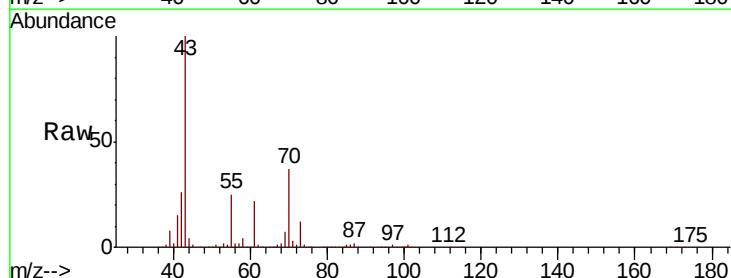
Ion Ratio Lower Upper

43 100

70 39.4 31.6 47.4

55 25.0 19.7 29.5

61 22.9 18.3 27.5

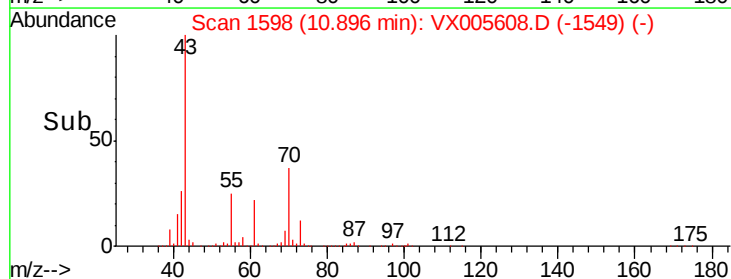
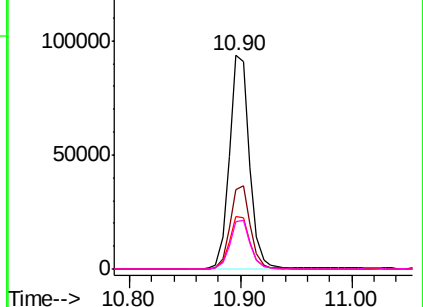


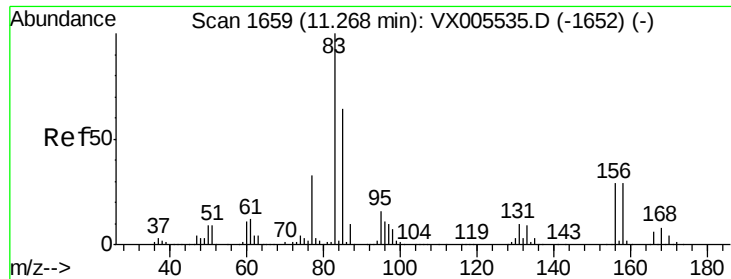
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.169 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

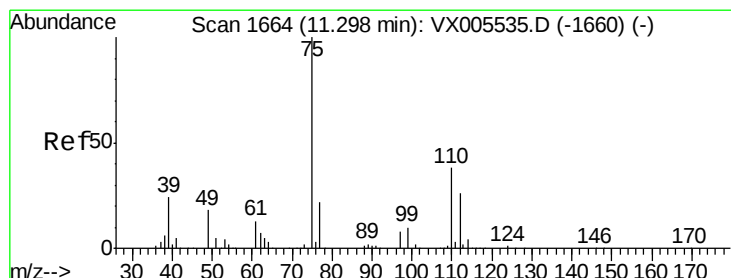
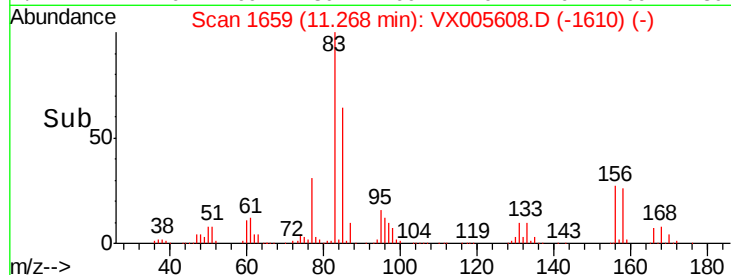
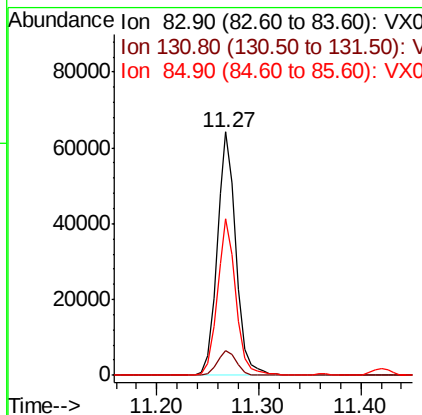
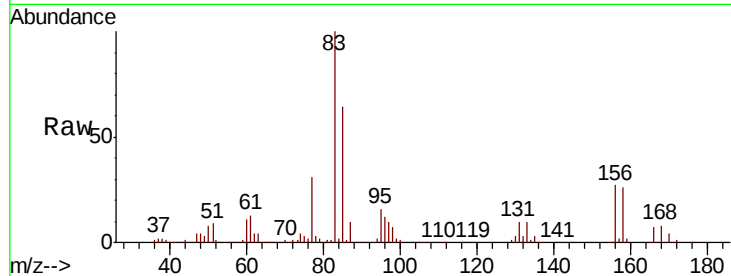
ClientSampleId :

VX1026WBS01

Tot Ion:	83	Resp:	82785
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	62.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.747 ug/l m

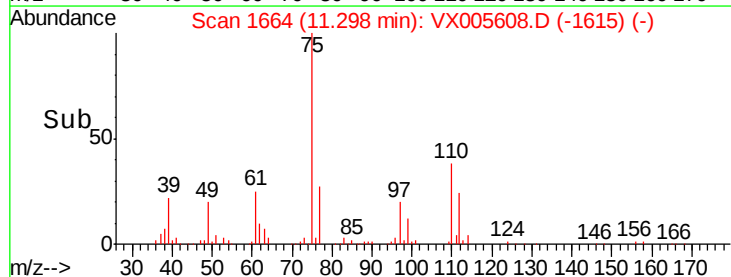
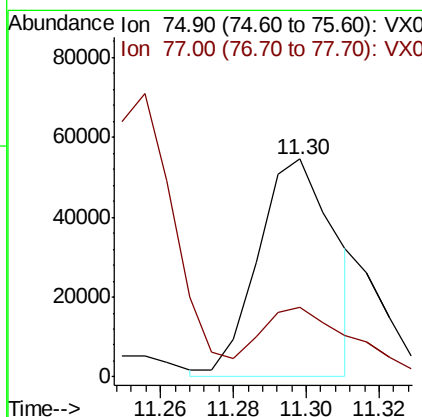
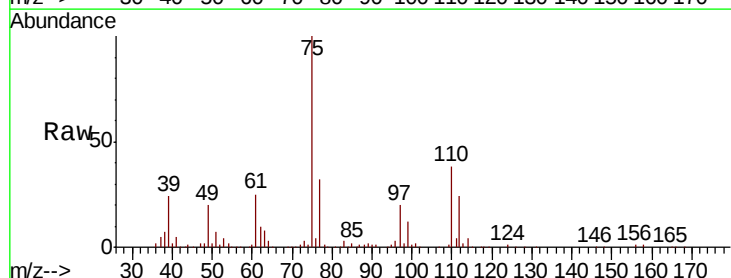
RT: 11.30 min Scan# 1664

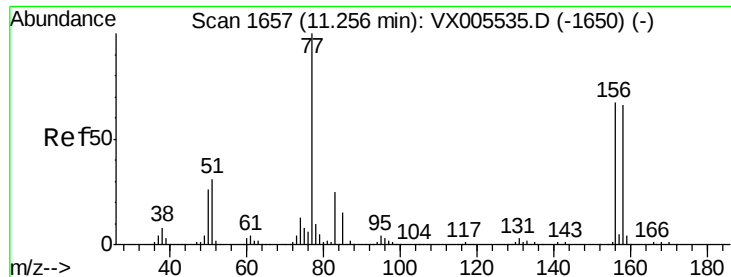
Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion:	75	Resp:	80007
Ion	Ratio	Lower	Upper
75	100		
77	38.5	20.5	61.6





#77

Bromobenzene

Concen: 20.589 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion:156 Resp: 63840

Ion Ratio Lower Upper

156 100

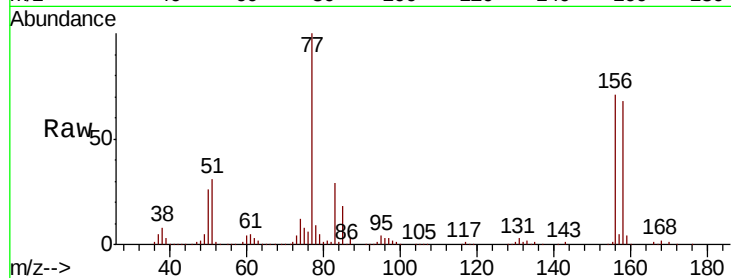
77 149.9 74.8 224.4

158 97.8 49.1 147.3

Manual Integrations
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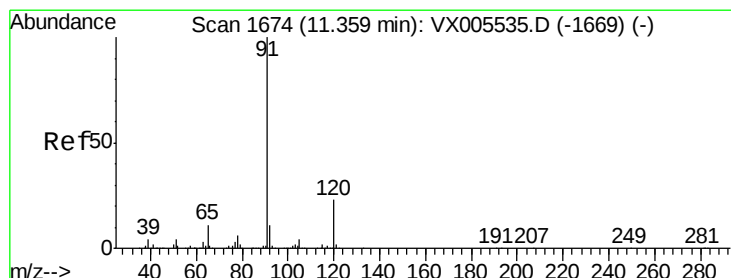
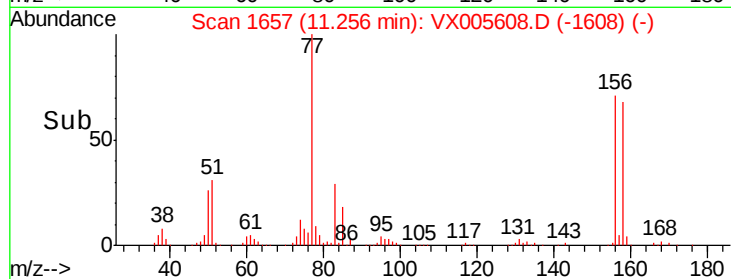
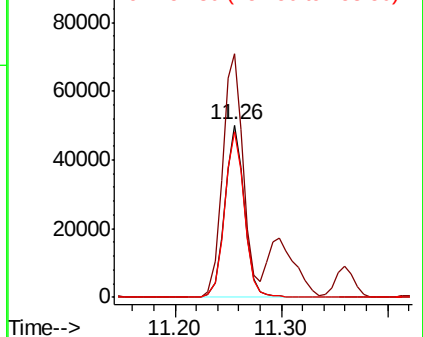
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.886 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005608.D

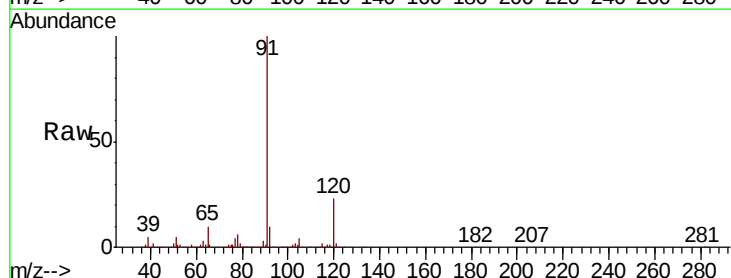
Acq: 26 Oct 2018 16:42

Tgt Ion: 91 Resp: 278428

Ion Ratio Lower Upper

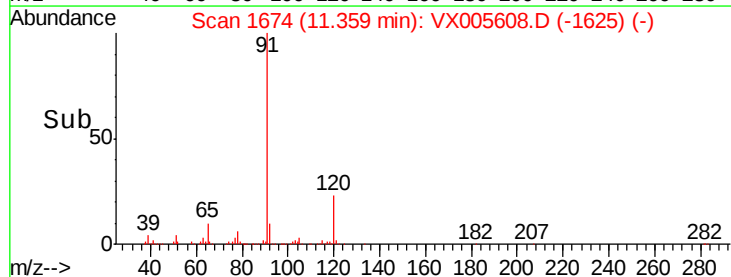
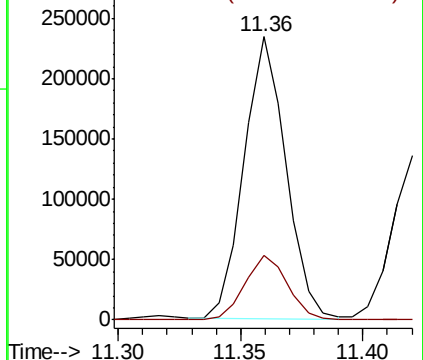
91 100

120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





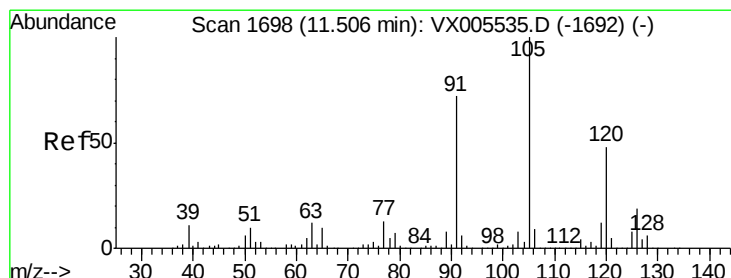
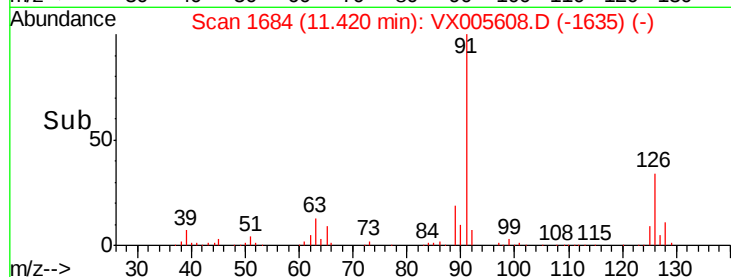
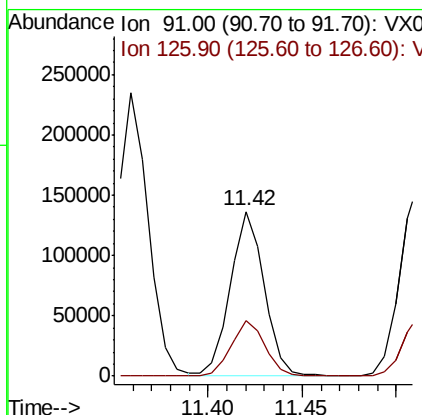
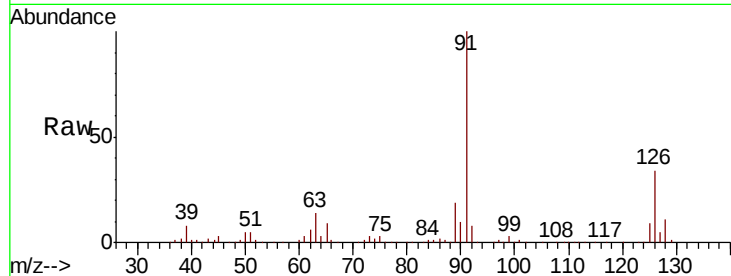
#79
 2-Chlorotoluene
 Concen: 21.349 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion: 91 Resp: 168404
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.3 52.0

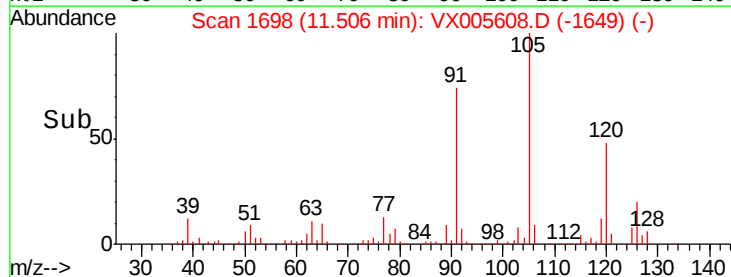
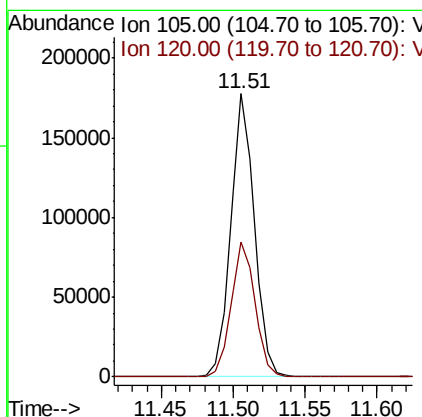
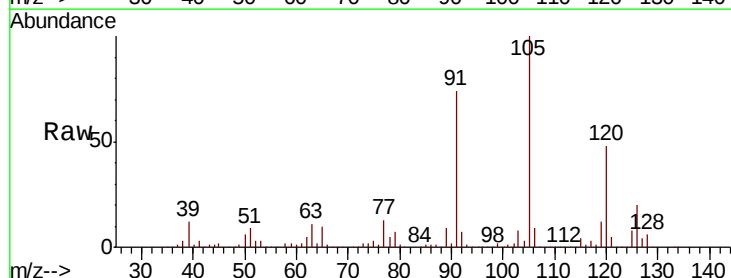
Manual Integrations
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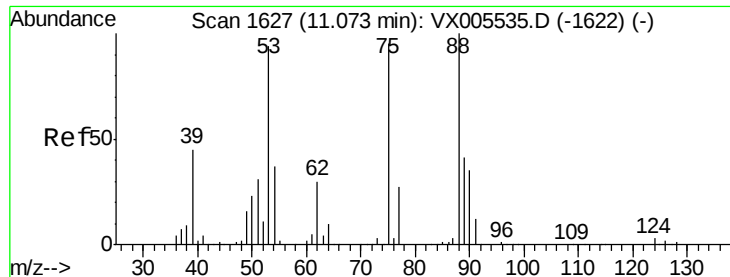
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.472 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion: 105 Resp: 204358
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.119 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

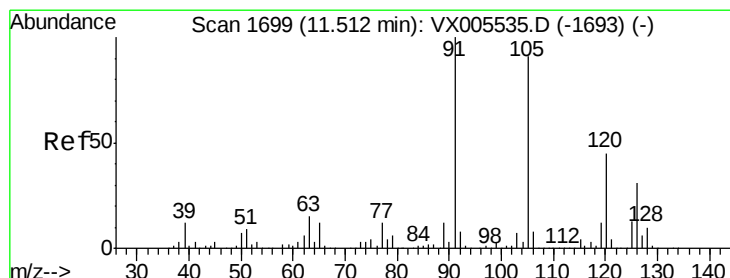
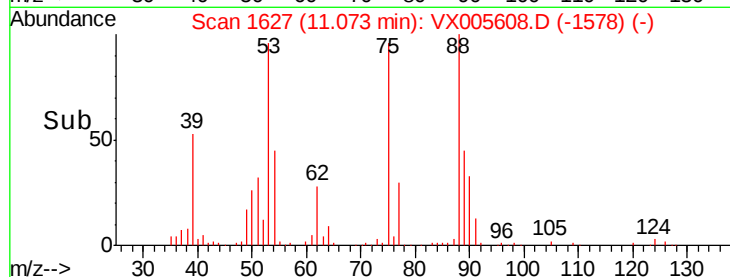
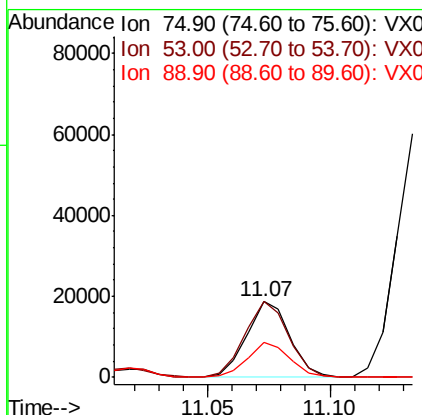
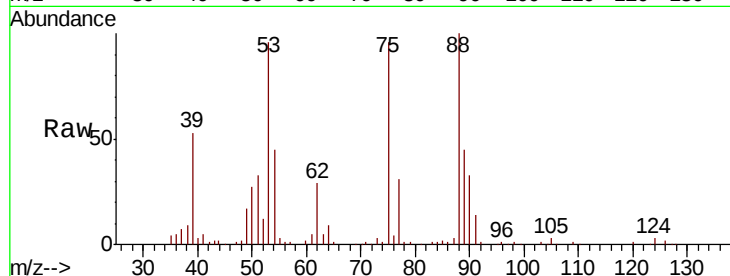
ClientSampleId :

VX1026WBS01

Tot Ion:	75	Resp:	22564
Ion	Ratio	Lower	Upper
75	100		
53	102.2	80.2	120.2
89	46.4	39.8	59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.288 ug/l

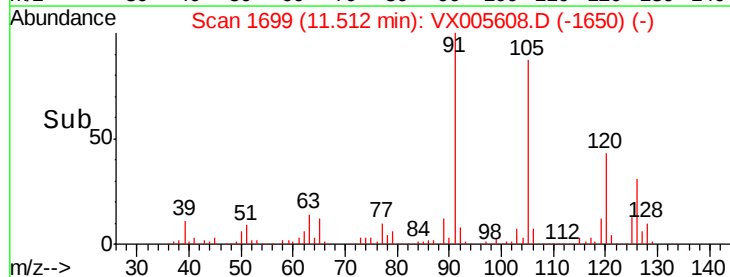
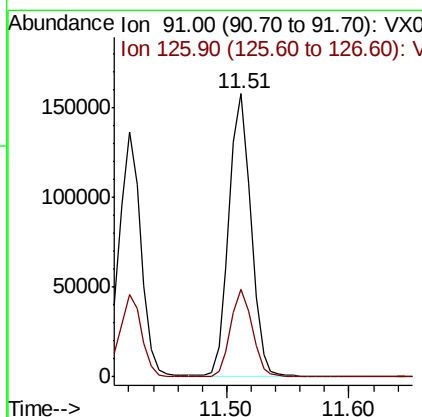
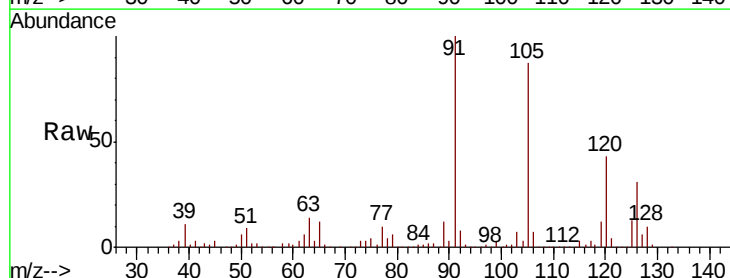
RT: 11.51 min Scan# 1699

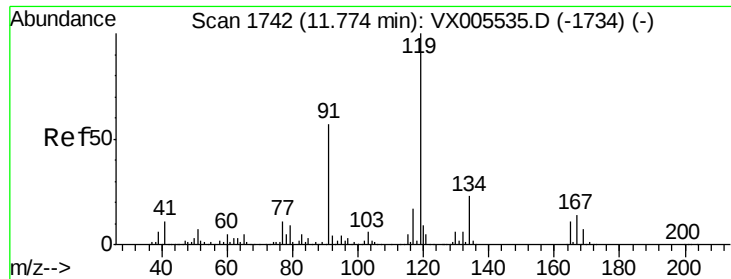
Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion:	91	Resp:	198001
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.2	45.6





#83

tert-Butylbenzene

Concen: 21.059 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

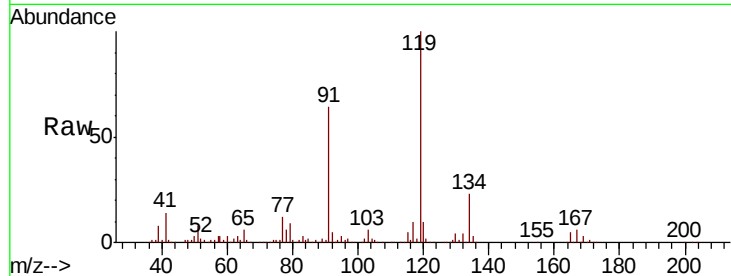
ClientSampleId :

VX1026WBS01

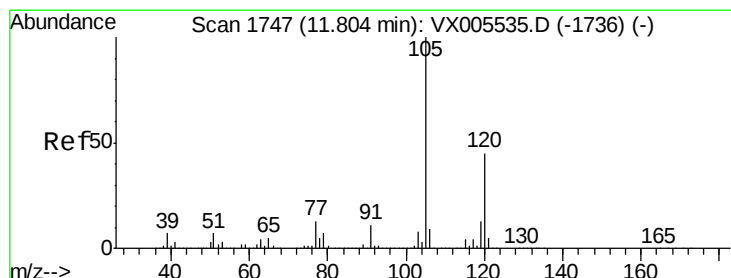
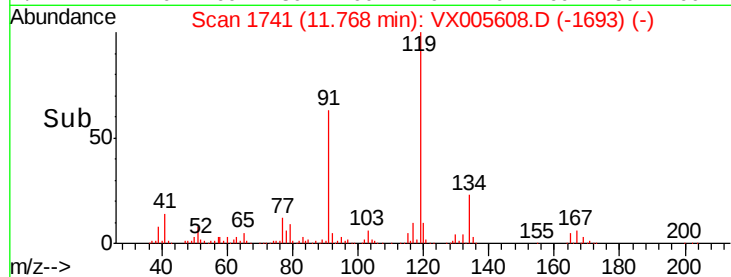
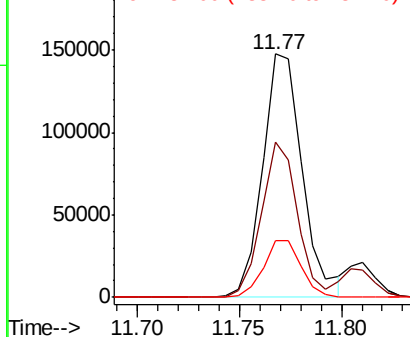
Tot Ion:	119	Resp:	199793
Ion Ratio	Lower	Upper	
119	100		
91	57.9	28.5	85.5
134	22.7	11.3	33.8

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.974 ug/l

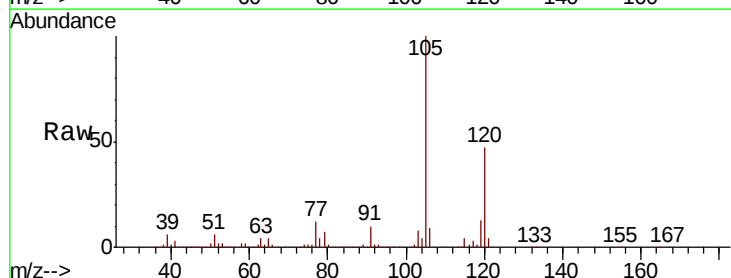
RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

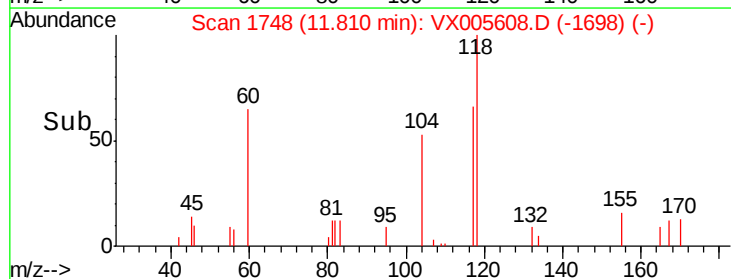
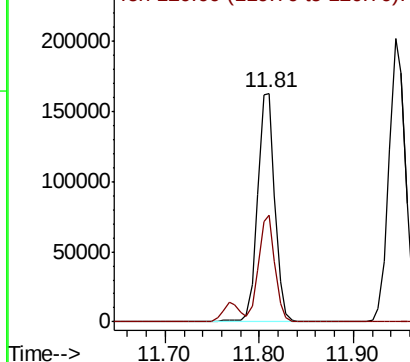
Lab File: VX005608.D

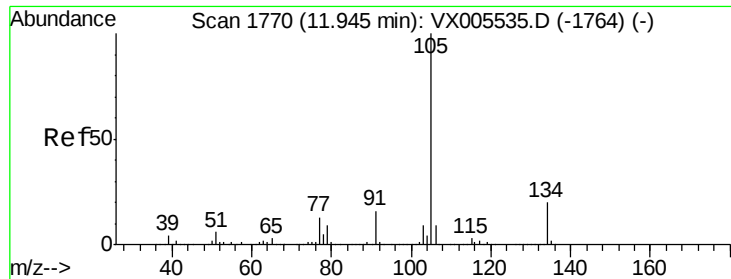
Acq: 26 Oct 2018 16:42

Tgt Ion:	105	Resp:	211965
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.4	67.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.667 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

VX1026WBS01

Tot Ion:105 Resp: 245285

Ion Ratio Lower Upper

105 100

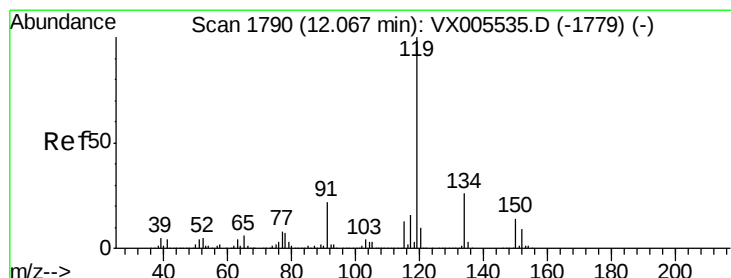
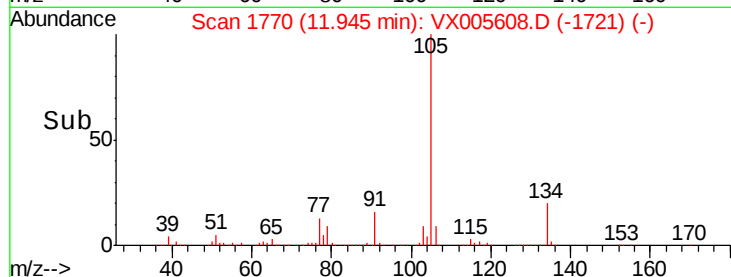
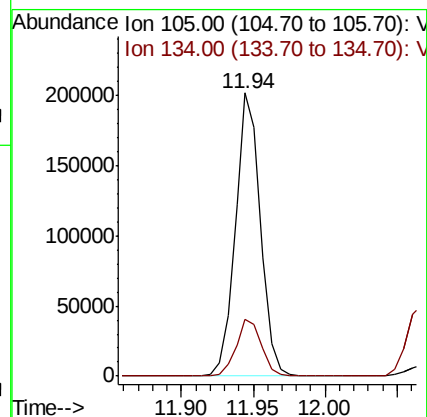
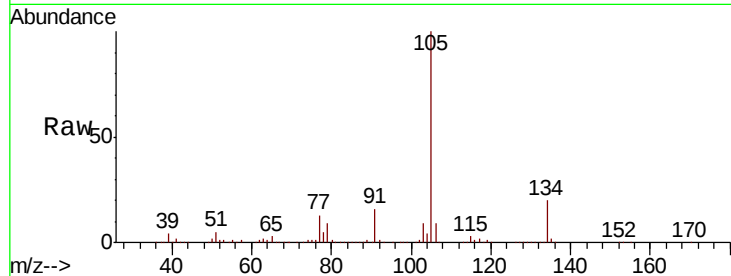
134 20.4 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.690 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

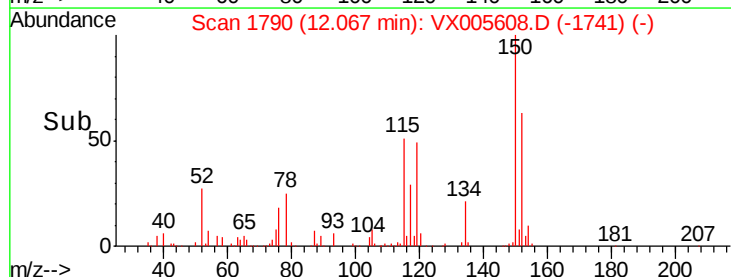
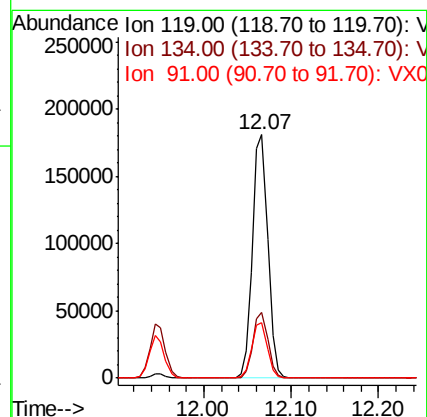
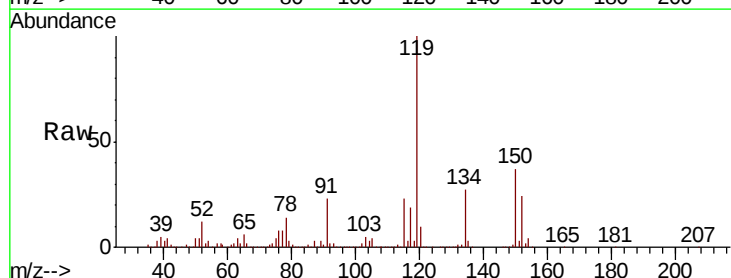
Tgt Ion:119 Resp: 219500

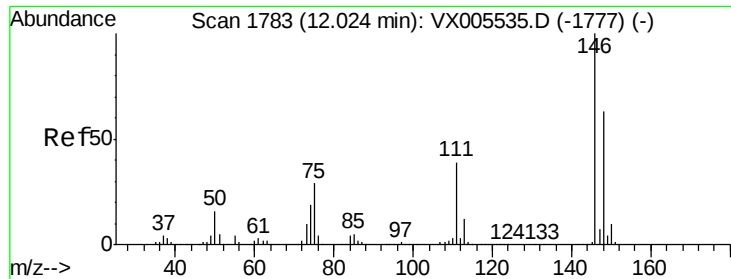
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 23.0 11.4 34.2





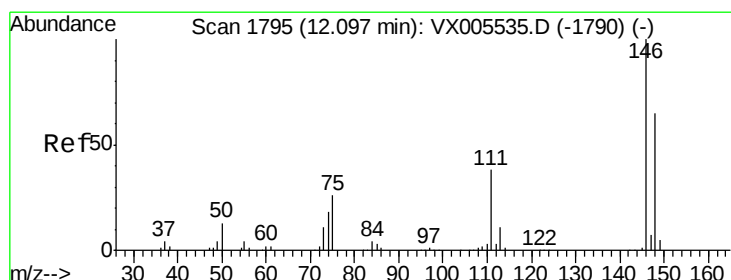
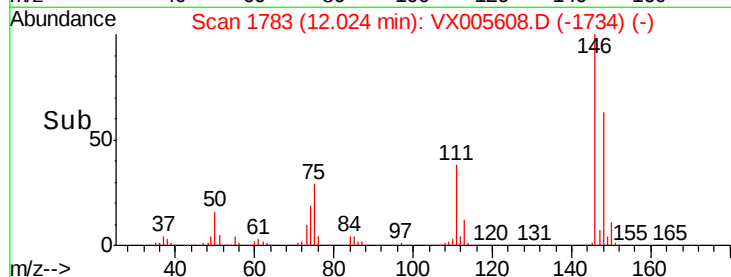
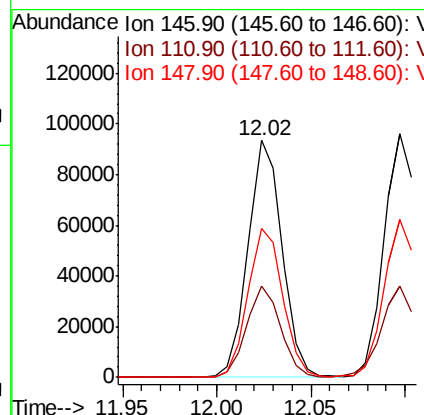
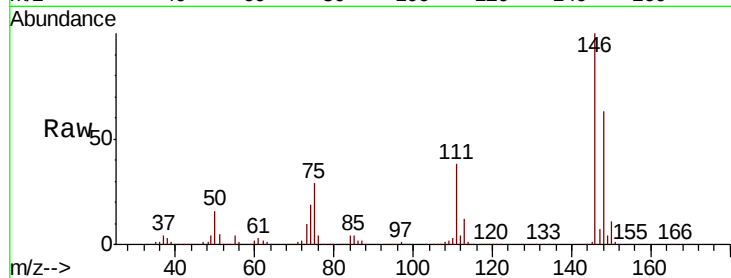
#87
 1,3-Dichlorobenzene
 Concen: 20.183 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	64.1	31.9	95.9

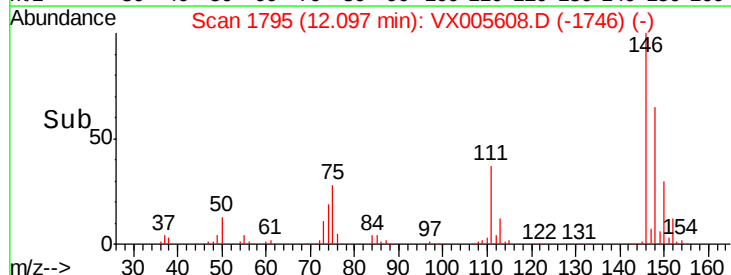
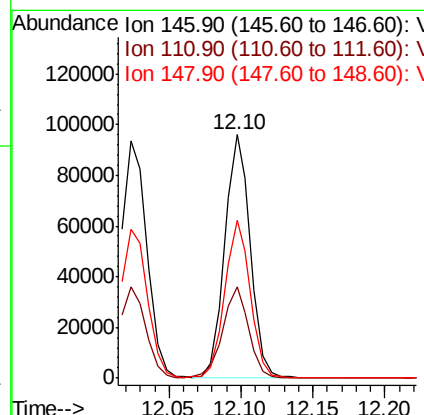
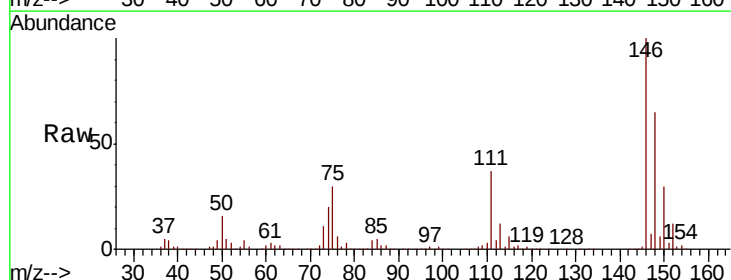
Manual Integrations
 APPROVED

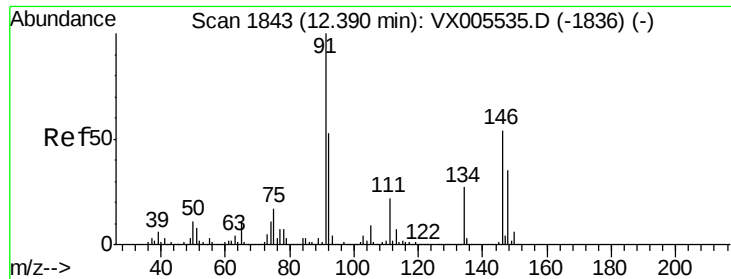
MMDadoda
 10/29/2018 12:43:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	65.2	32.1	96.3





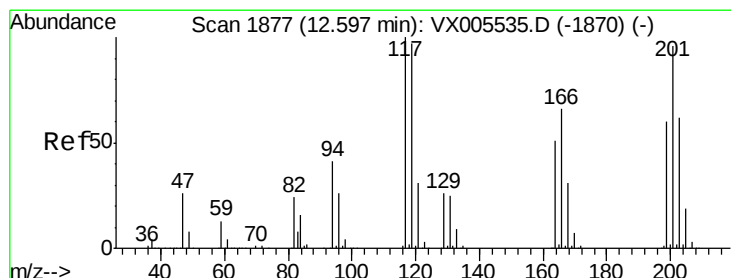
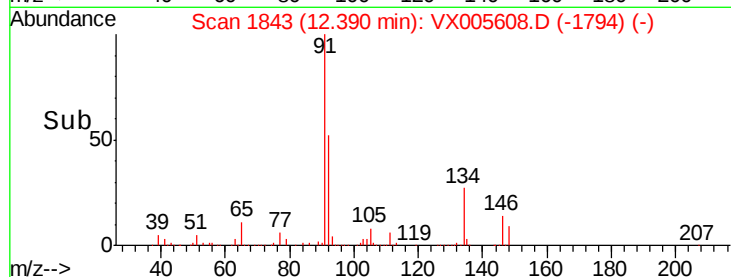
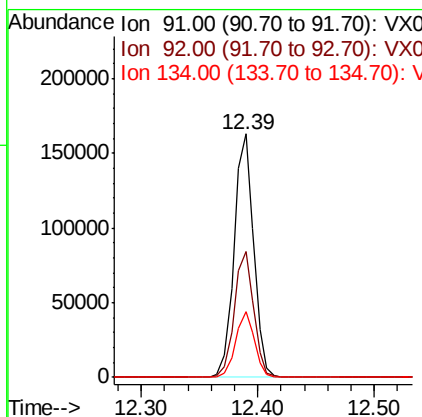
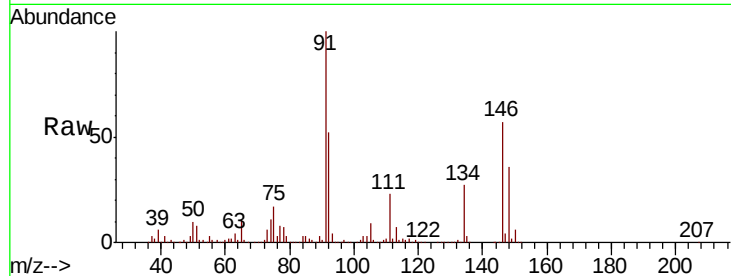
#89
n-Butylbenzene
Concen: 20.874 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
VX1026WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		190701		
92	51.3	26.1	78.2		
134	26.2	13.1	39.3		

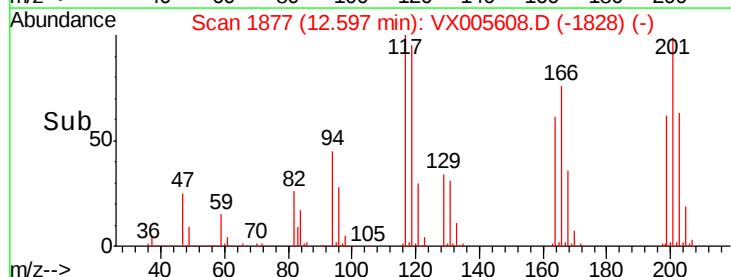
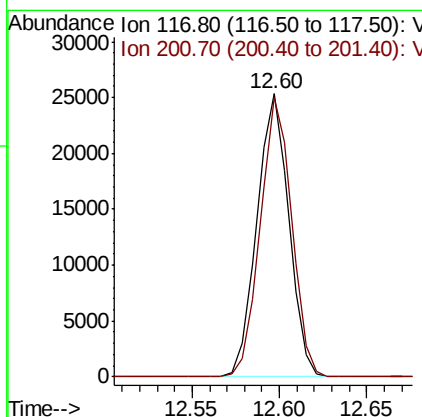
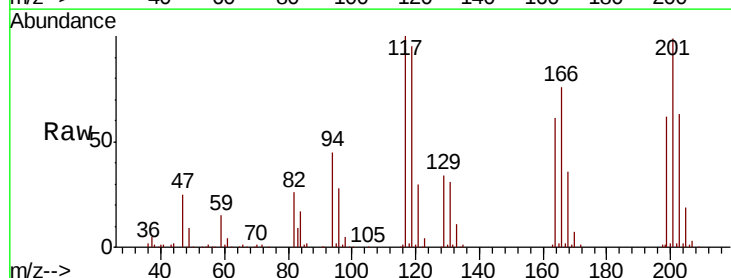
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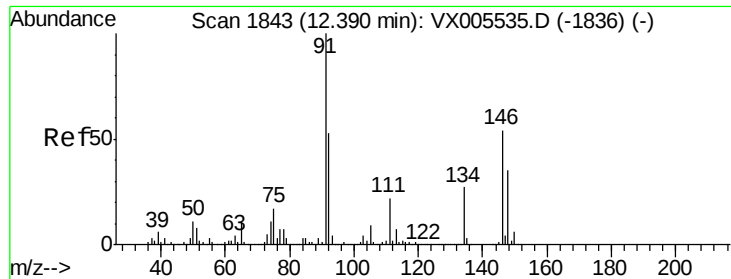
MMDadoda
10/29/2018 12:43:24 PM



#90
Hexachloroethane
Concen: 18.424 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005608.D
Acq: 26 Oct 2018 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		32157		
201	97.1	47.9	143.6		





#91

1,2-Dichlorobenzene

Concen: 20.158 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

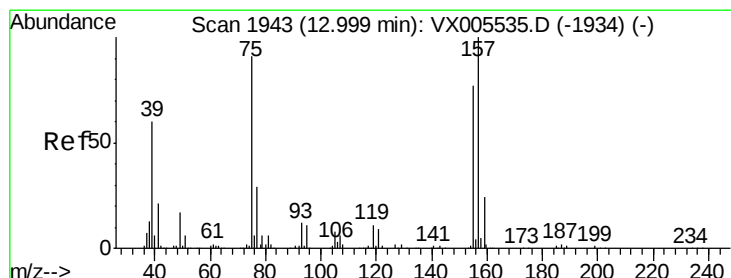
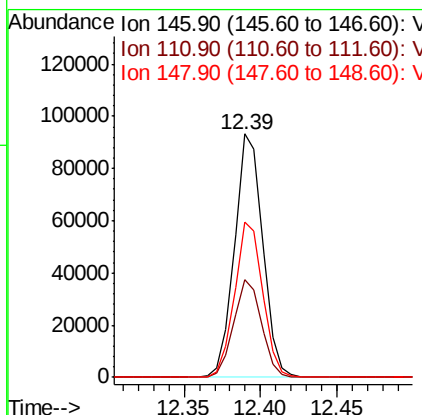
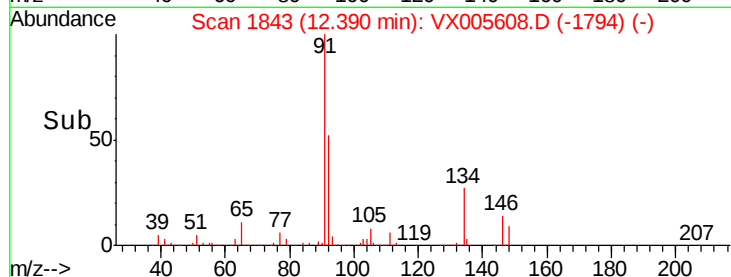
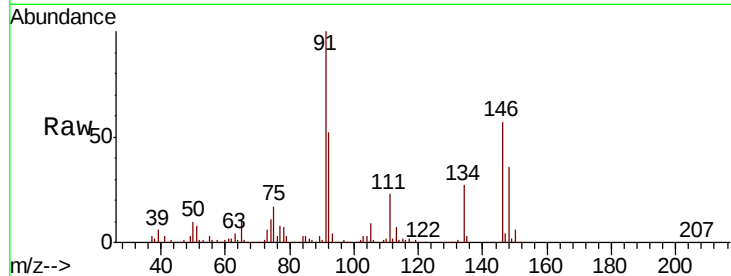
ClientSampleId :

VX1026WBS01

Tot Ion:	146	Resp:	118912
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.0	59.9
148	63.7	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.342 ug/l

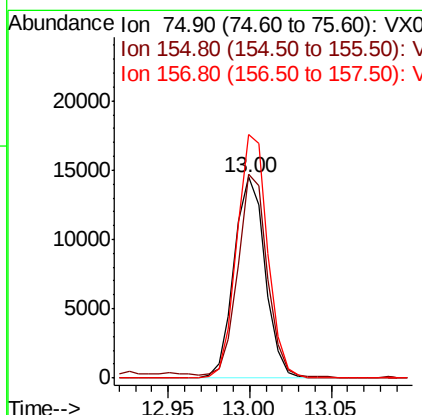
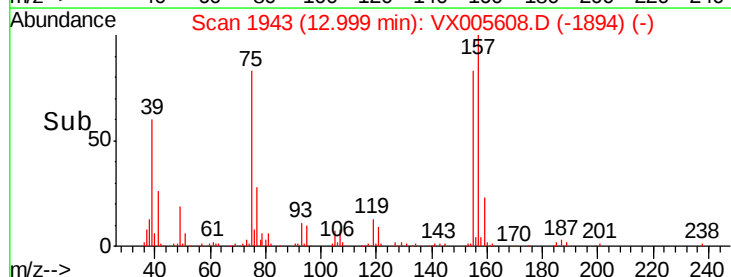
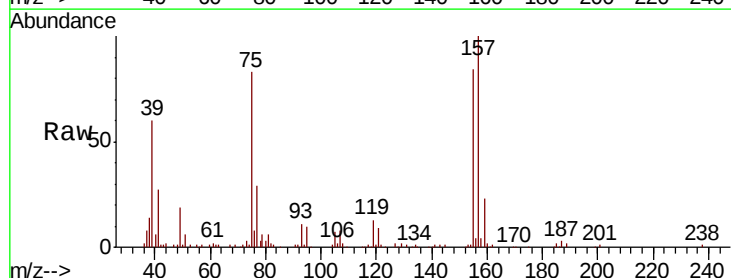
RT: 13.00 min Scan# 1943

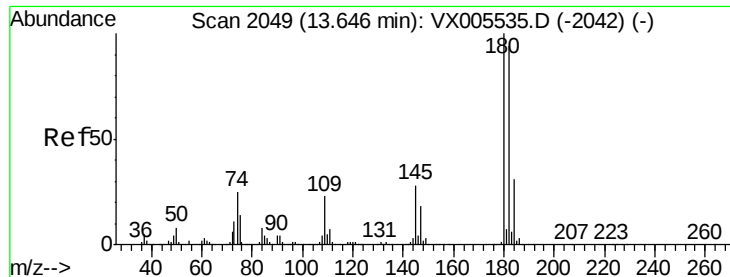
Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion:	75	Resp:	19196
Ion Ratio	Lower	Upper	
75	100		
155	98.1	45.4	136.1
157	119.9	57.4	172.0





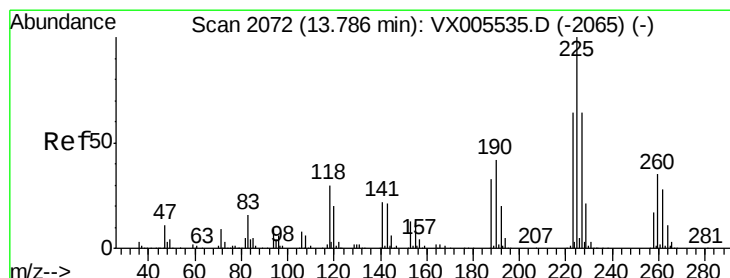
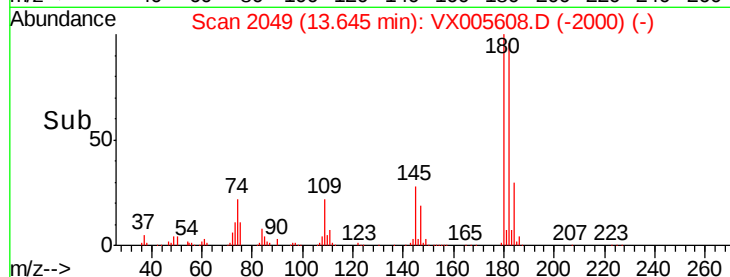
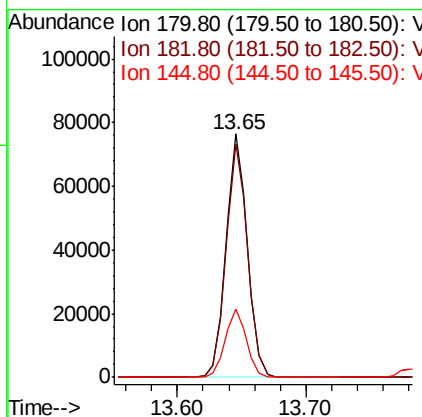
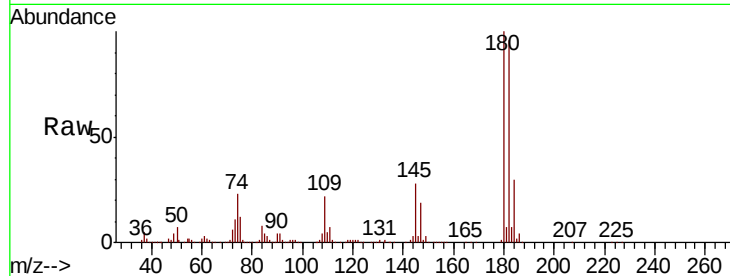
#93
 1,2,4-Trichlorobenzene
 Concen: 20.765 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	47.6	142.8	
145	28.3	14.1	42.2	

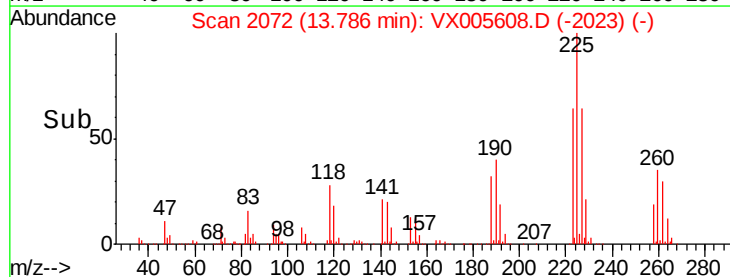
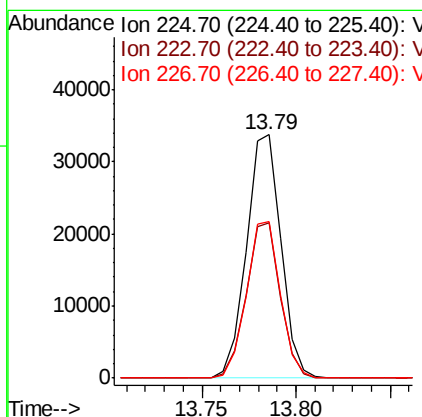
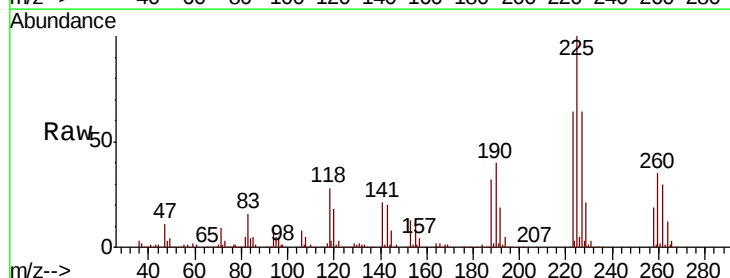
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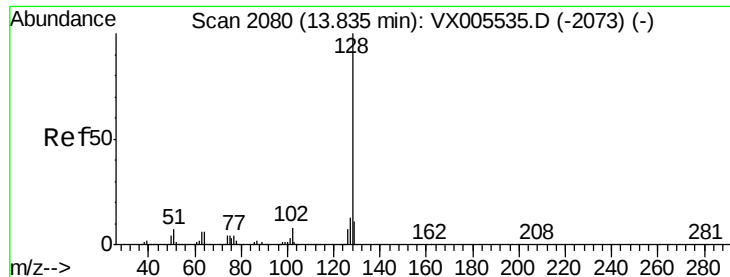
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 10/29/2018 12:43:24 PM



#94
 Hexachlorobutadiene
 Concen: 19.266 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005608.D
 Acq: 26 Oct 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.7	95.1	
227	63.4	32.3	96.9	





#95

Naphthalene

Concen: 22.695 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Instrument :

MSVOA_X

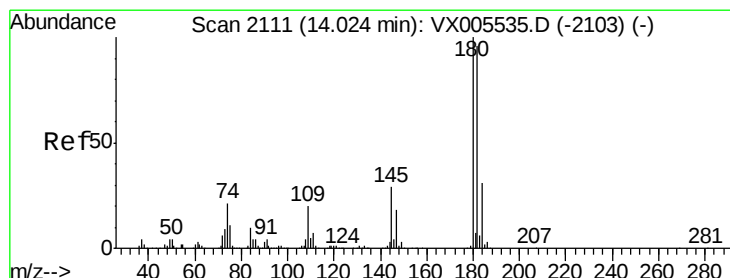
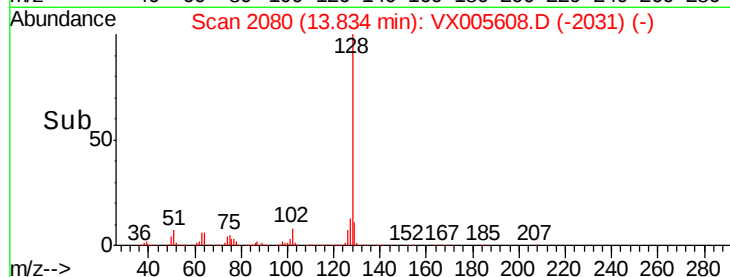
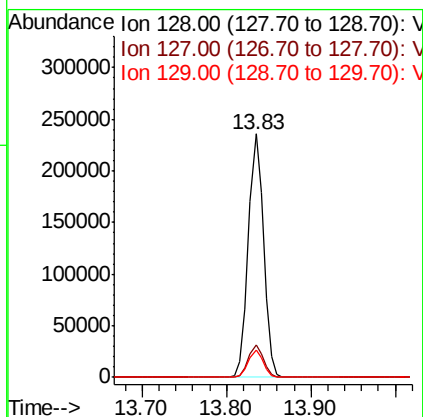
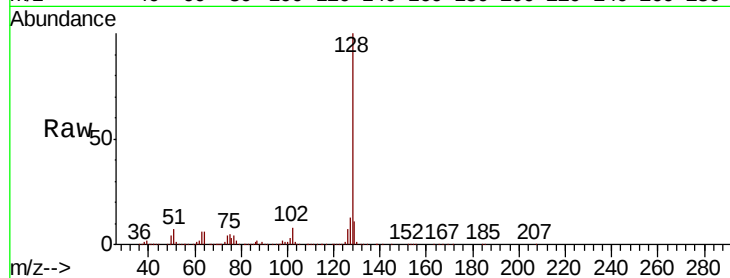
ClientSampleId :

VX1026WBS01

Tot Ion:	128	Resp:	282099
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.166 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005608.D

Acq: 26 Oct 2018 16:42

Tgt Ion:	180	Resp:	91752
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.2
145	30.3	15.1	45.3

