

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
 Data File : VX005560.D
 Acq On : 25 Oct 2018 00:31
 Operator : JC/MD
 Sample : VX1024WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:54:00 AM

Quant Time: Oct 25 06:37:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308735	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	129699	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	5.50	113	102128	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	8.71	98	386058	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.14	95	140030	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31946	15.532	ug/l	97
3) Chloromethane	1.32	50	45182	17.249	ug/l	97
4) Vinyl Chloride	1.40	62	46918	18.216	ug/l	99
5) Bromomethane	1.64	94	30389	18.962	ug/l	99
6) Chloroethane	1.72	64	30913	18.788	ug/l	100
7) Trichlorofluoromethane	1.93	101	73223	20.460	ug/l	94
8) Diethyl Ether	2.19	74	28886	20.225	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40653	19.798	ug/l	97
10) Methyl Iodide	2.51	142	43454	21.884	ug/l	96
11) Tert butyl alcohol	3.06	59	75610	110.460	ug/l	99
12) 1,1-Dichloroethene	2.37	96	39296	20.089	ug/l	96
13) Acrolein	2.29	56	36469	104.445	ug/l	96
14) Allyl chloride	2.72	41	90521	20.735	ug/l	95
15) Acrylonitrile	3.14	53	161486	105.208	ug/l	100
16) Acetone	2.45	43	145012	107.886	ug/l	94
17) Carbon Disulfide	2.57	76	112963	18.945	ug/l	99
18) Methyl Acetate	2.78	43	76376	22.188	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	146391	20.980	ug/l	97
20) Methylene Chloride	2.85	84	45462	20.195	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	42502	19.900	ug/l	96
22) Diisopropyl ether	3.87	45	153837	20.179	ug/l	92
23) Vinyl Acetate	3.82	43	692742	103.177	ug/l	96
24) 1,1-Dichloroethane	3.70	63	87799	21.183	ug/l	99
25) 2-Butanone	4.70	43	217424	106.225	ug/l	94
26) 2,2-Dichloropropane	4.58	77	50906	15.908	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	45656	19.829	ug/l	96
28) Bromochloromethane	5.01	49	44331	22.114	ug/l	88
29) Tetrahydrofuran	5.15	42	139580	104.787	ug/l	90
30) Chloroform	5.21	83	80100	20.660	ug/l	97
31) Cyclohexane	5.57	56	70196	20.469	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	68892	20.133	ug/l	98
36) 1,1-Dichloropropene	5.80	75	57528	19.201	ug/l	99
37) Ethyl Acetate	4.85	43	83665	21.883	ug/l	96
38) Carbon Tetrachloride	5.78	117	60244	19.091	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	62334	18.841	ug/l	94
40) Benzene	6.15	78	177565	20.674	ug/l	98
41) Methacrylonitrile	5.06	41	43817	20.574	ug/l	95
42) 1,2-Dichloroethane	6.20	62	65740	20.149	ug/l	96
43) Isopropyl Acetate	6.46	43	112347	19.609	ug/l	95
44) Trichloroethene	7.21	130	47403	20.259	ug/l	93
45) 1,2-Dichloropropane	7.52	63	47650	20.636	ug/l	99
46) Dibromomethane	7.66	93	30358	20.356	ug/l	98
47) Bromodichloromethane	7.90	83	58809	20.317	ug/l	98
48) Methyl methacrylate	7.77	41	58341	20.903	ug/l	94
49) 1,4-Dioxane	7.75	88	25826	423.412	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	402930	104.645	ug/l	93
52) Toluene	8.79	92	109271	20.934	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	60993	19.497	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	67824	20.137	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	45092	20.490	ug/l	97
56) Ethyl methacrylate	9.18	69	66234	20.178	ug/l	92
57) 1,3-Dichloropropane	9.37	76	76122	20.443	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	185321	101.084	ug/l	93
59) 2-Hexanone	9.49	43	315237	103.837	ug/l	91
60) Dibromochloromethane	9.59	129	46523	20.262	ug/l	100
61) 1,2-Dibromoethane	9.67	107	47359	20.801	ug/l	100
64) Tetrachloroethene	9.34	164	49909	20.959	ug/l	97
65) Chlorobenzene	10.14	112	121990	19.971	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	44497	19.978	ug/l	99
67) Ethyl Benzene	10.25	91	205305	20.429	ug/l	96
68) m/p-Xylenes	10.36	106	160052	41.049	ug/l	94
69) o-Xylene	10.70	106	75034	20.455	ug/l	94
70) Styrene	10.71	104	126642	20.623	ug/l	96
71) Bromoform	10.86	173	38235	19.238	ug/l #	99
73) Isopropylbenzene	11.02	105	209213	21.890	ug/l	99
74) N-amyl acetate	10.90	43	98704	20.843	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	71764	20.353	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	69579m	21.849	ug/l	
77) Bromobenzene	11.26	156	56404	21.176	ug/l	97
78) n-propylbenzene	11.36	91	238569	21.830	ug/l	99
79) 2-Chlorotoluene	11.42	91	144738	21.361	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	178131	21.787	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	18849	18.592	ug/l	97
82) 4-Chlorotoluene	11.51	91	172472	21.586	ug/l	98
83) tert-Butylbenzene	11.77	119	171363	21.027	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	182859	22.068	ug/l	97
85) sec-Butylbenzene	11.94	105	208023	21.391	ug/l	99
86) p-Isopropyltoluene	12.07	119	188651	21.701	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	103161	20.596	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	104129	19.876	ug/l	97
89) n-Butylbenzene	12.39	91	157811	20.108	ug/l	97
90) Hexachloroethane	12.60	117	30064	20.051	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	103279	20.381	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17655	20.708	ug/l	92

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Instrument :
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ClientSampleId :
VX1024WBSD02

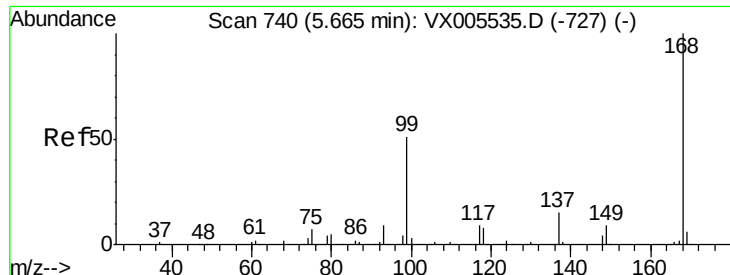
Manual Integrations
APPROVED

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10/26/2018 11:54:00 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 24 13:13:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	72883	19.841	ug/l	100
94) Hexachlorobutadiene	13.79	225	36297	19.067	ug/l	95
95) Naphthalene	13.83	128	228695	21.418	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	77628	20.847	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion:168 Resp: 208382

Ion Ratio Lower Upper

168 100

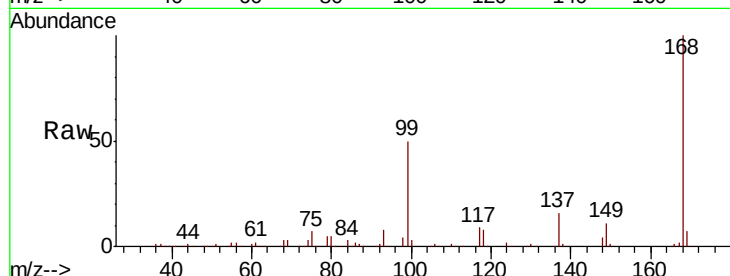
99 49.8 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

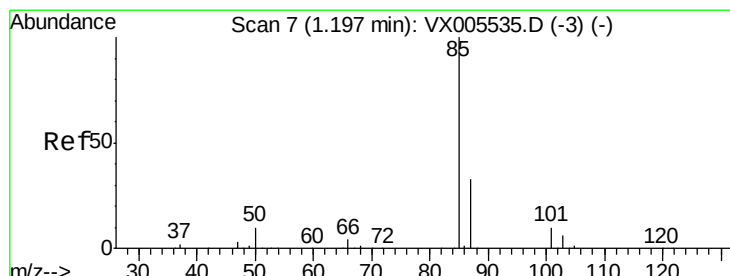
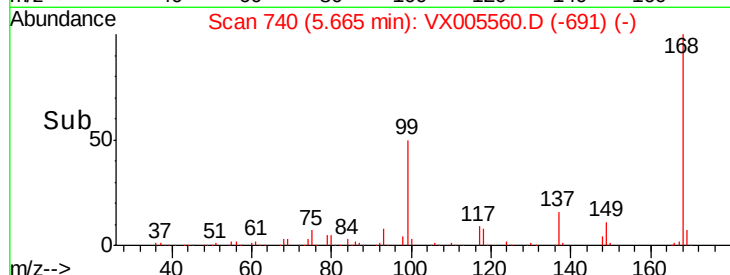
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 15.532 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005560.D

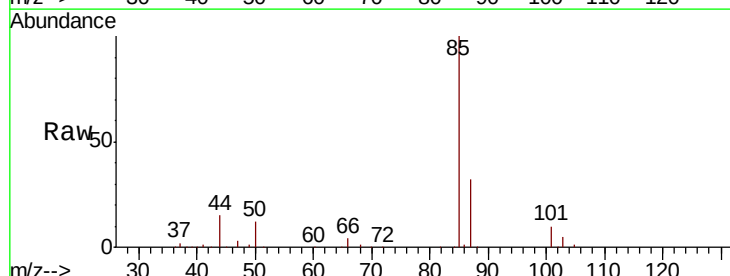
Acq: 25 Oct 2018 00:31

Tgt Ion: 85 Resp: 31946

Ion Ratio Lower Upper

85 100

87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

20000

10000

0

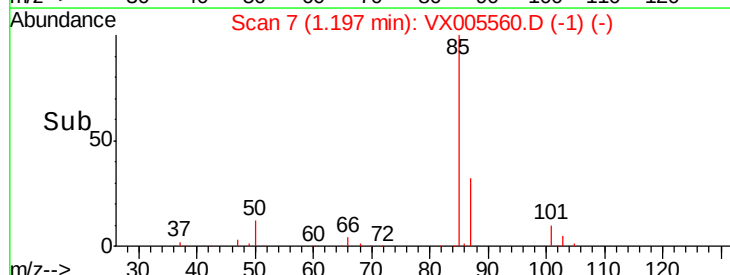
Time-->

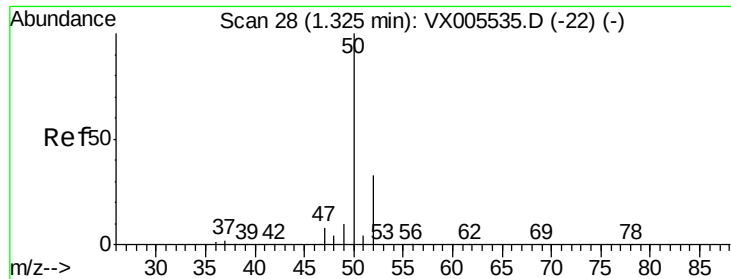
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 17.249 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion: 50 Resp: 45182

Ion Ratio Lower Upper

50 100

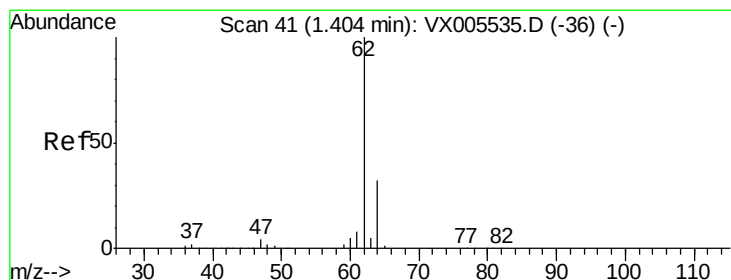
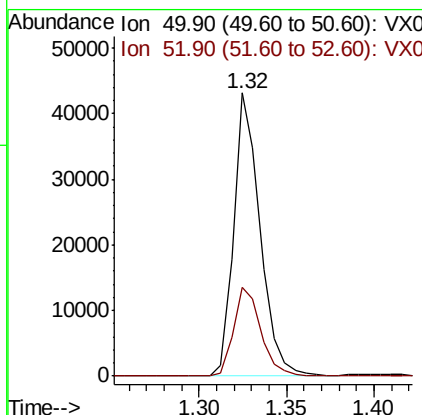
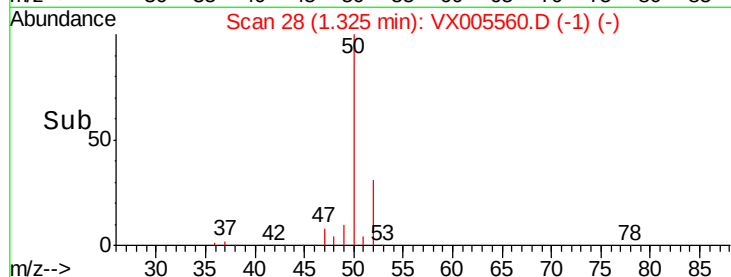
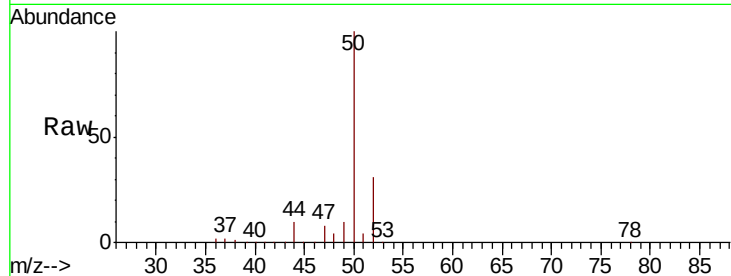
52 31.3 26.2 39.2

Manual Integrations

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10/26/2018 11:54:00 AM



#4

Vinyl Chloride

Concen: 18.216 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005560.D

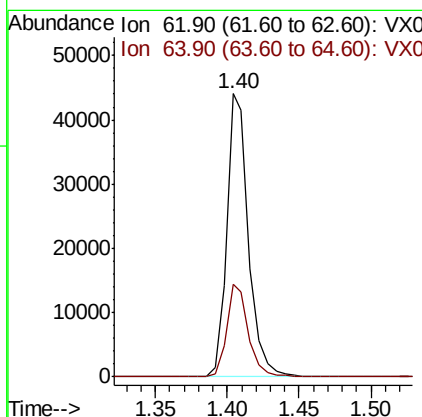
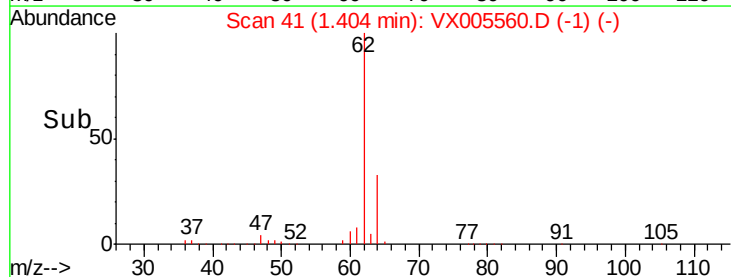
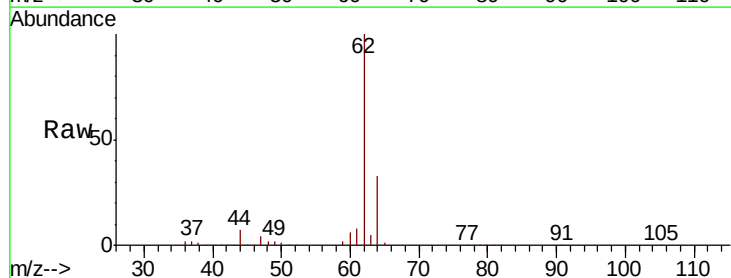
Acq: 25 Oct 2018 00:31

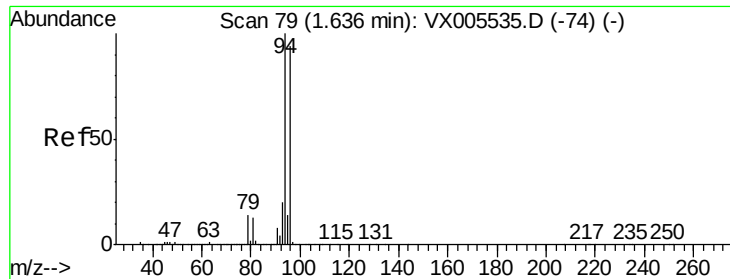
Tgt Ion: 62 Resp: 46918

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 18.962 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion: 94 Resp: 30389

Ion Ratio Lower Upper

94 100

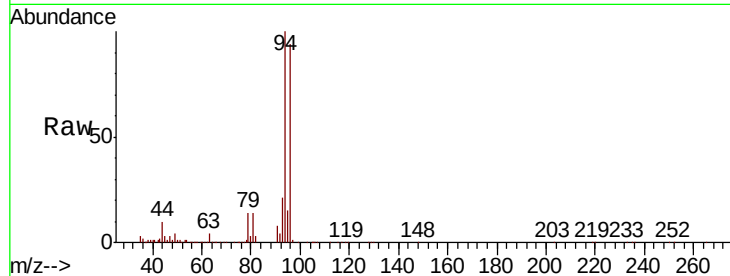
96 94.1 74.5 111.7

Manual Integrations

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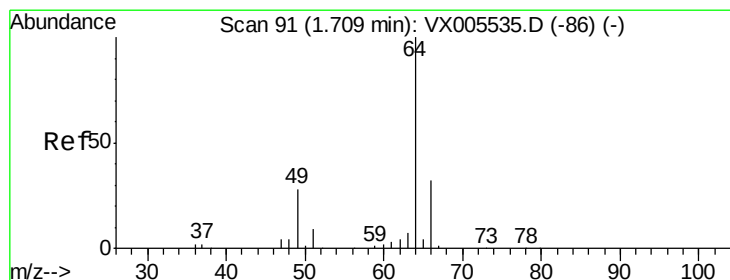
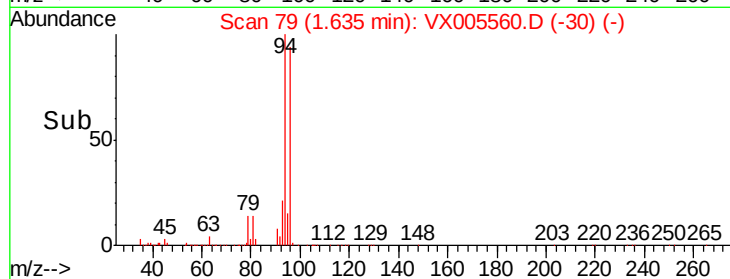
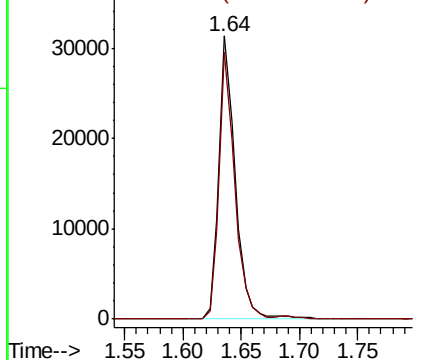
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.788 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005560.D

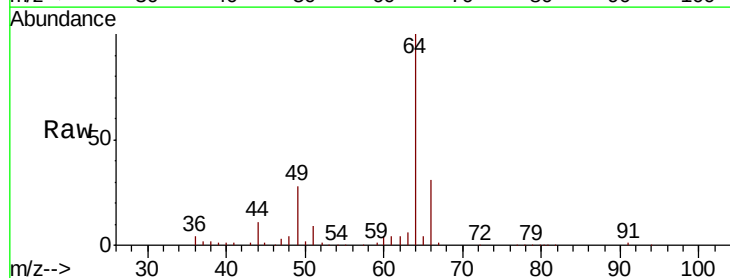
Acq: 25 Oct 2018 00:31

Tgt Ion: 64 Resp: 30913

Ion Ratio Lower Upper

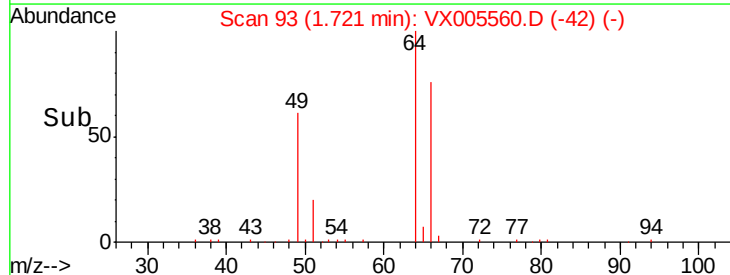
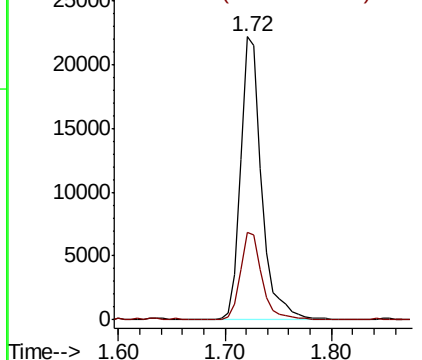
64 100

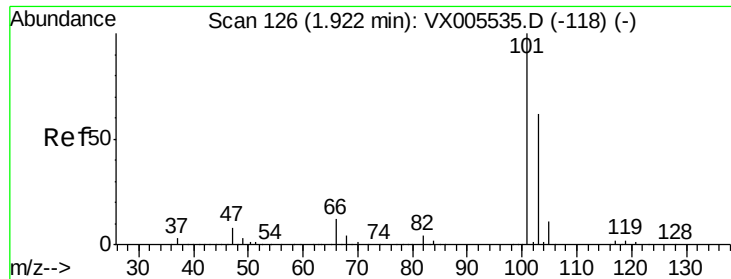
66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

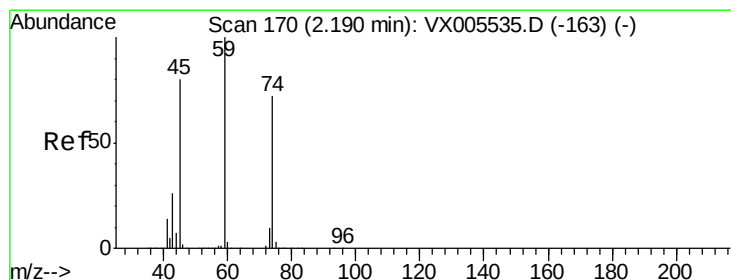
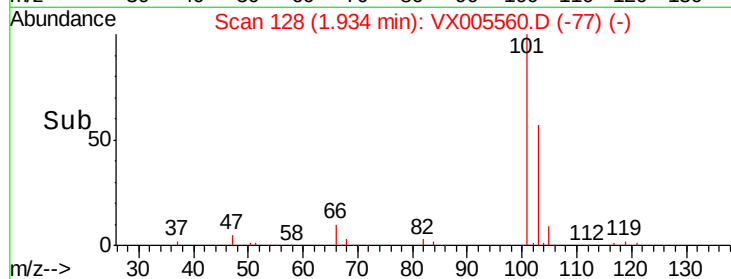
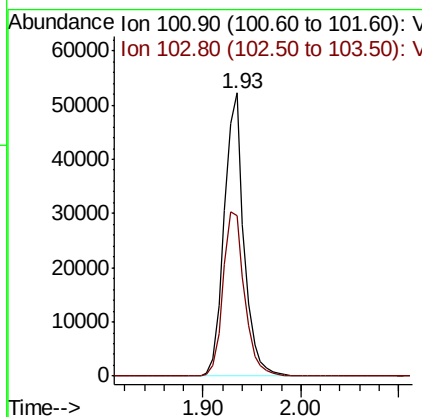
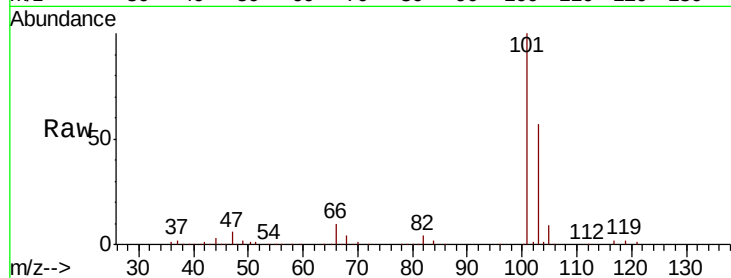
Trichlorofluoromethane
Concen: 20.460 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
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VX1024WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	56.6	48.9	73.3	

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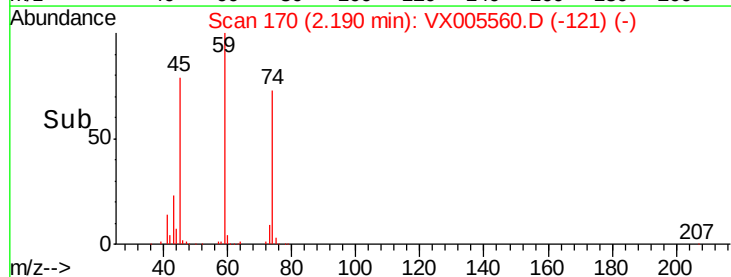
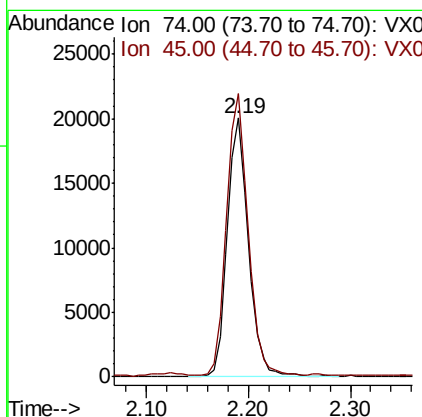
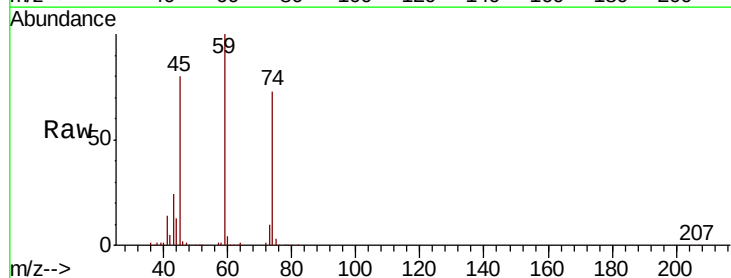
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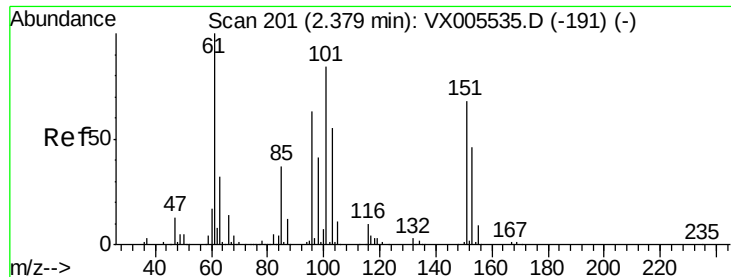


#8

Diethyl Ether
Concen: 20.225 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	109.2	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.798 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

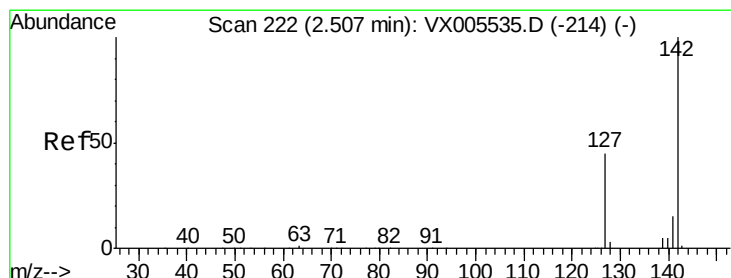
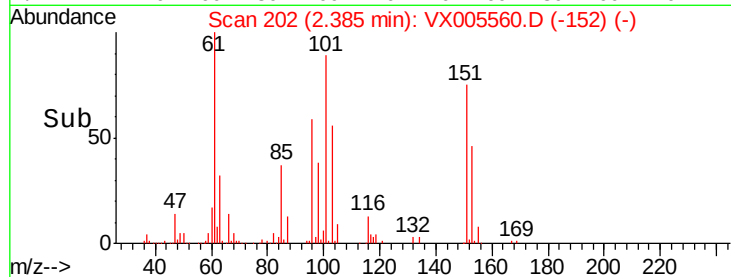
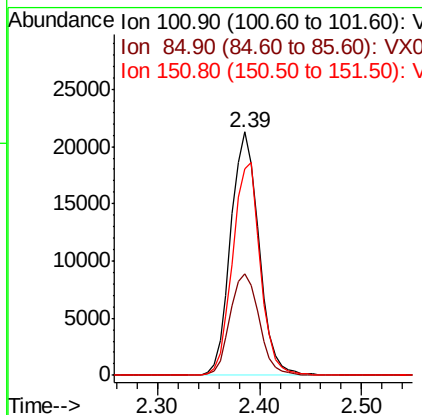
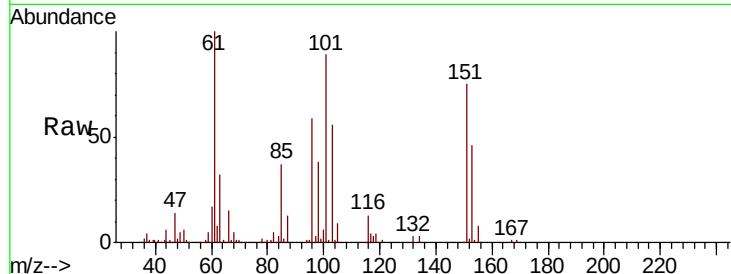
ClientSampleId :

VX1024WBSD02

Tot Ion:	101	Resp:	40653
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	85.5	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:54:00 AM



#10

Methyl Iodide

Concen: 21.884 ug/l

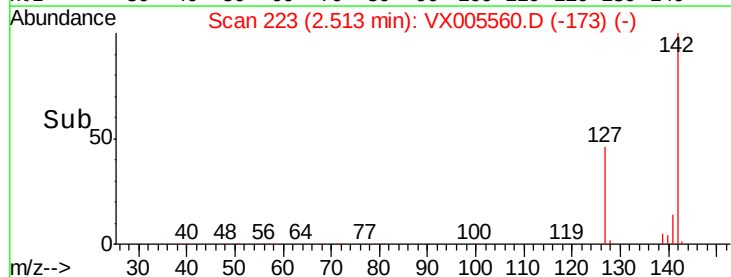
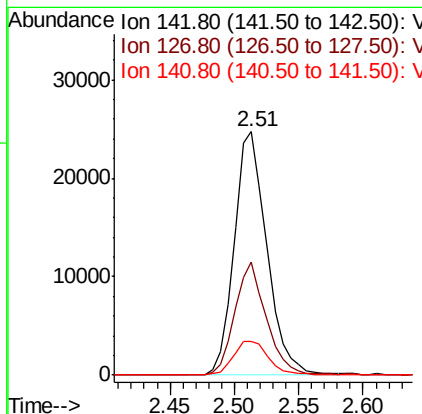
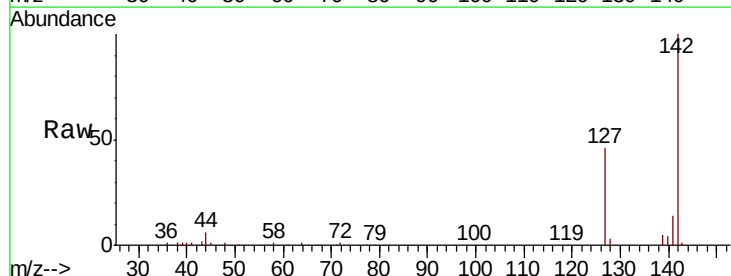
RT: 2.51 min Scan# 223

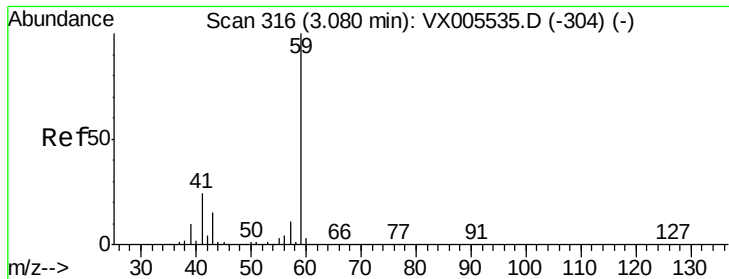
Delta R.T. 0.01 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Tgt Ion:	142	Resp:	43454
Ion Ratio	Lower	Upper	
142	100		
127	45.2	33.8	50.6
141	15.0	11.4	17.0





#11

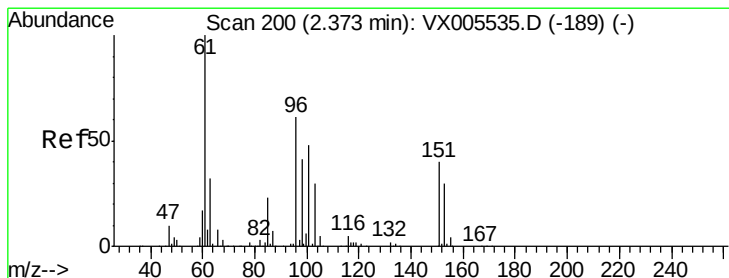
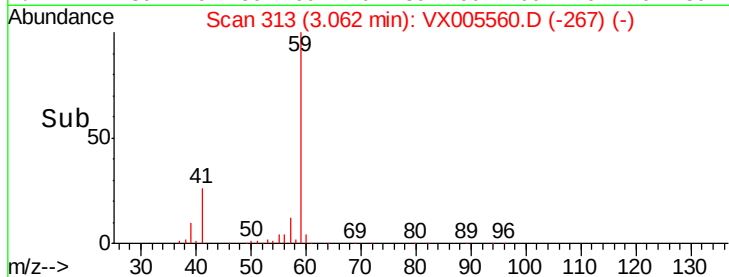
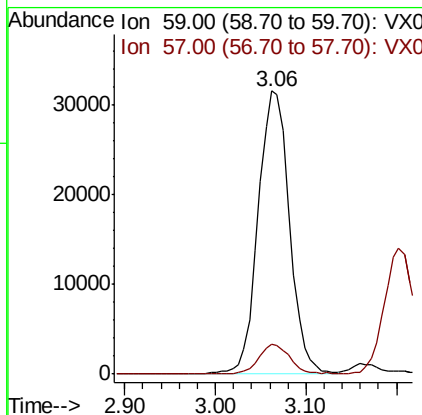
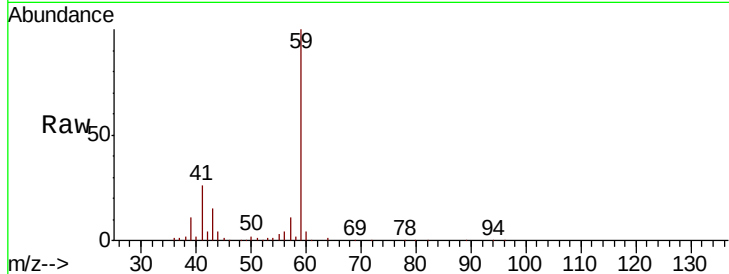
Tert butyl alcohol
Concen: 110.460 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	59	57	Ratio	100	10.6	Resp:	75610	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	10.6	Resp:	75610	Lower	8.2	Upper	12.4

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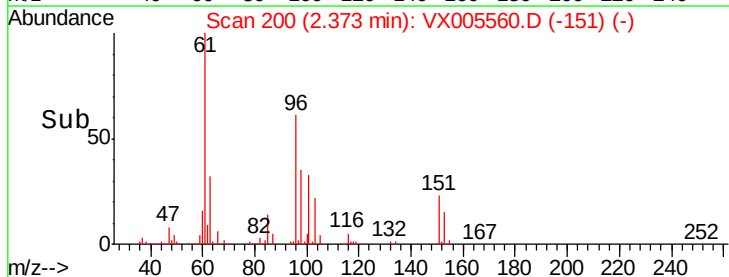
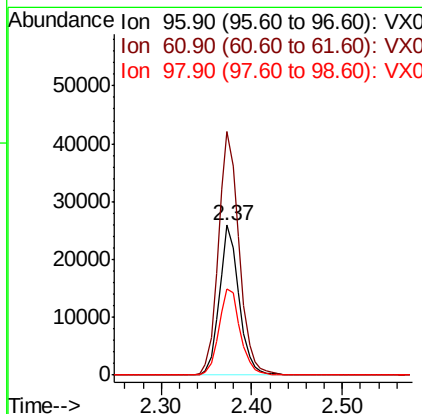
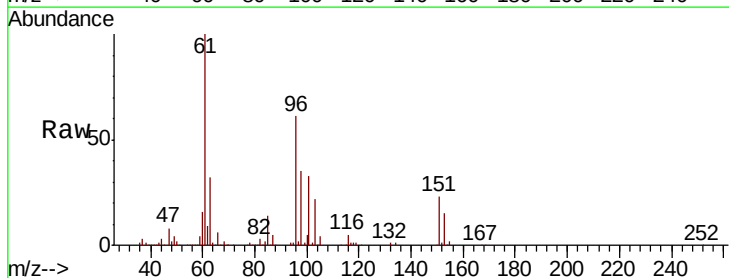
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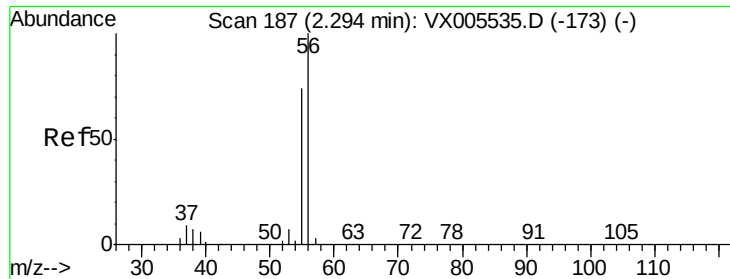


#12

1,1-Dichloroethene
Concen: 20.089 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	96	61	98	Ratio	100	162.6	57.2	Resp:	39296	Lower	128.8	52.2	Upper	193.2	78.2
Ion	96	61	98	Ratio	100	162.6	57.2	Resp:	39296	Lower	128.8	52.2	Upper	193.2	78.2





#13

Acrolein

Concen: 104.445 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion: 56 Resp: 36469

Ion Ratio Lower Upper

56 100

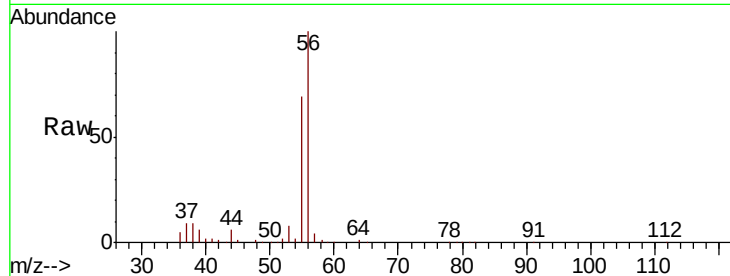
55 72.0 54.7 82.1

Manual Integrations

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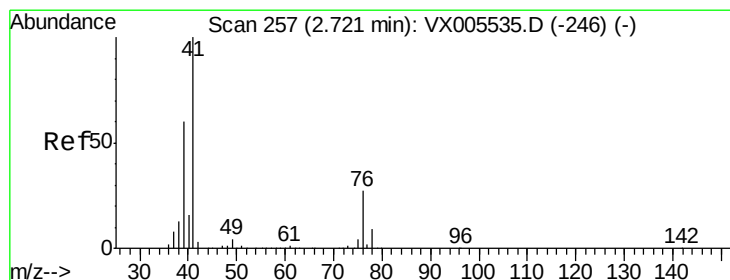
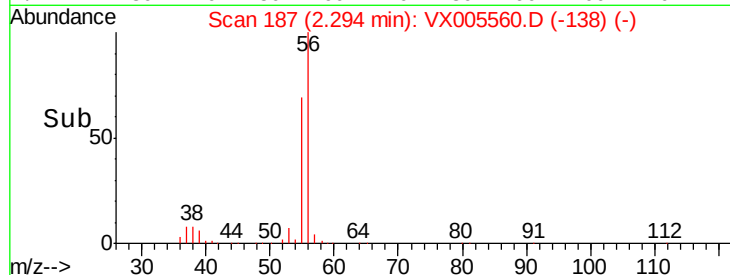
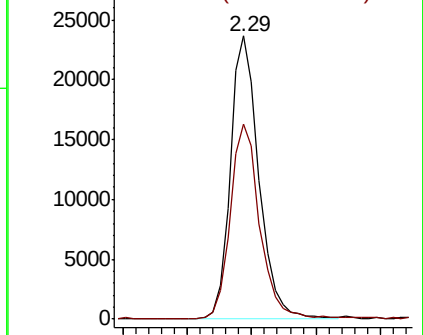
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.735 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

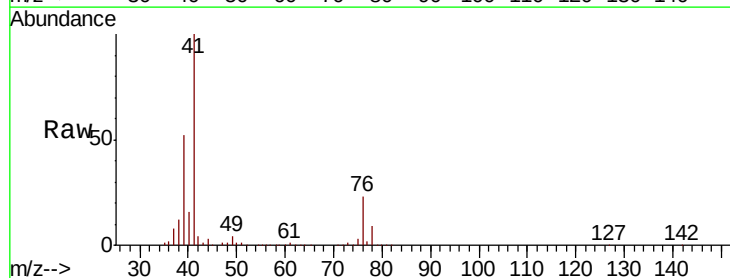
Tgt Ion: 41 Resp: 90521

Ion Ratio Lower Upper

41 100

39 59.9 48.9 73.3

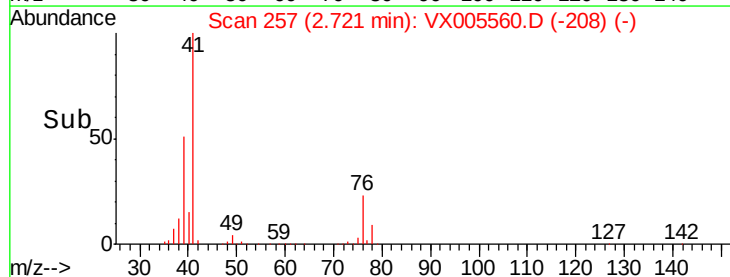
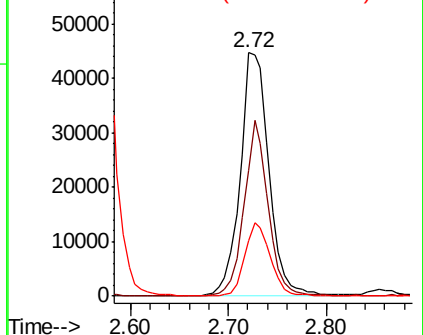
76 27.1 26.7 40.1

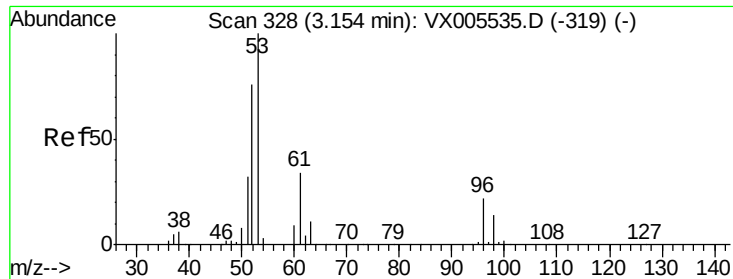


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





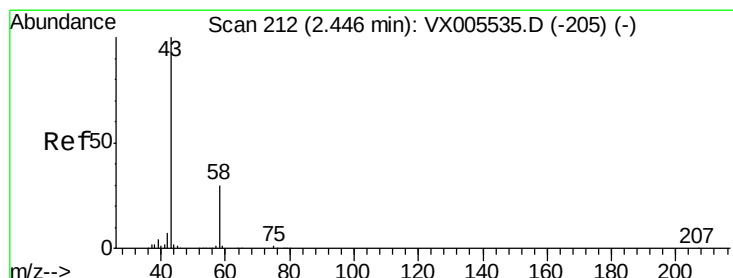
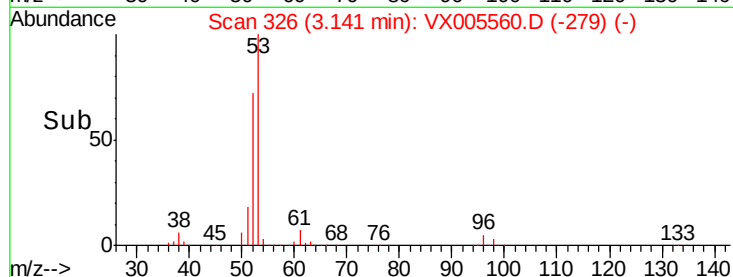
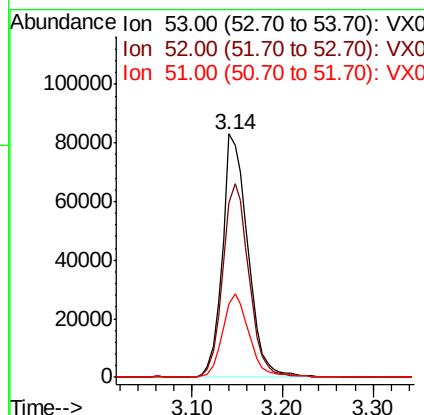
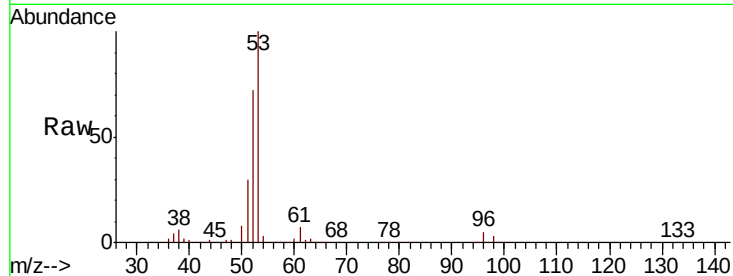
#15
 Acrylonitrile
 Concen: 105.208 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	35.8	28.2	42.2

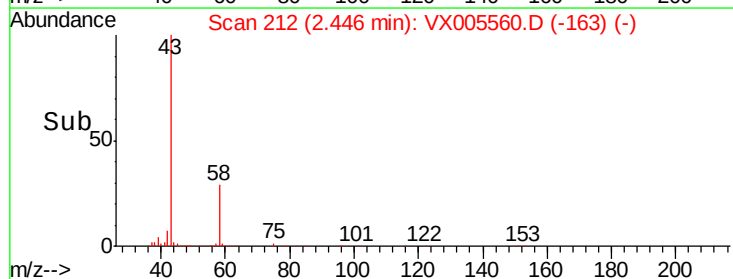
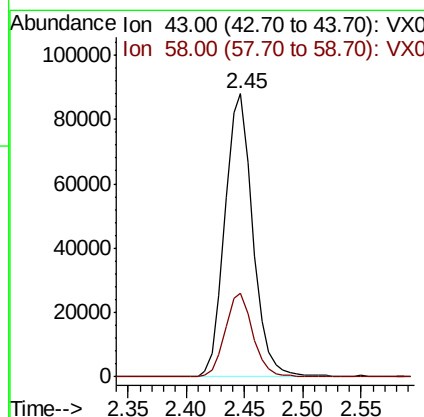
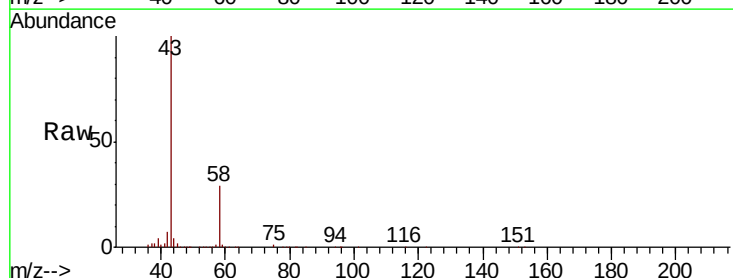
Manual Integrations
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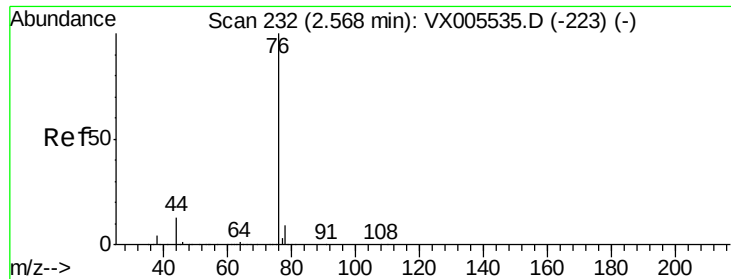
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#16
 Acetone
 Concen: 107.886 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	26.2	39.4





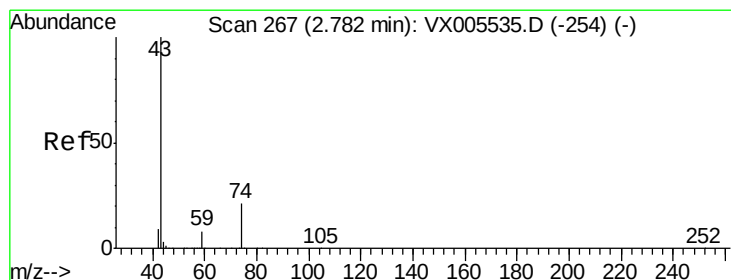
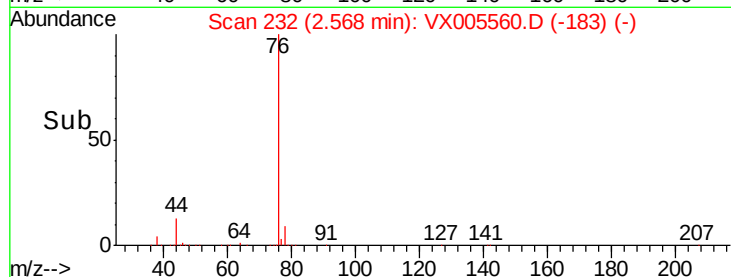
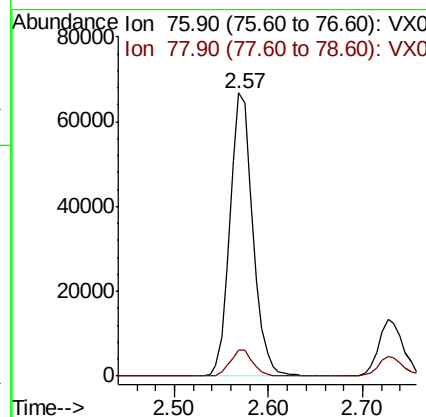
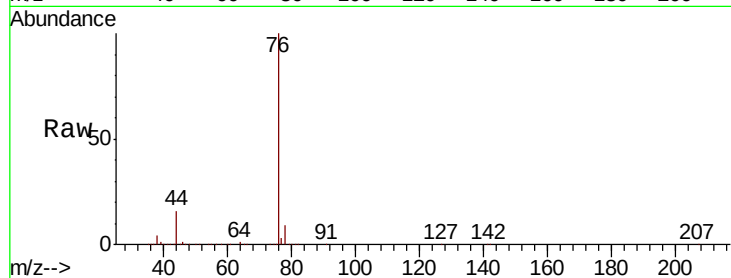
#17
Carbon Disulfide
Concen: 18.945 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

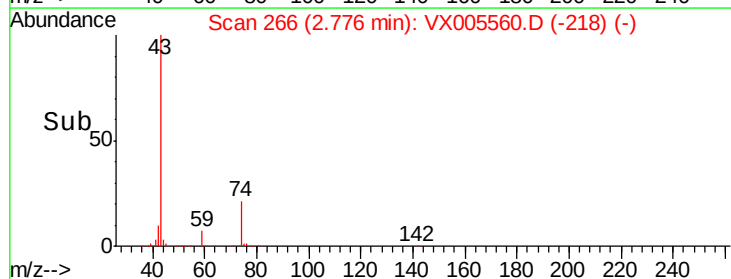
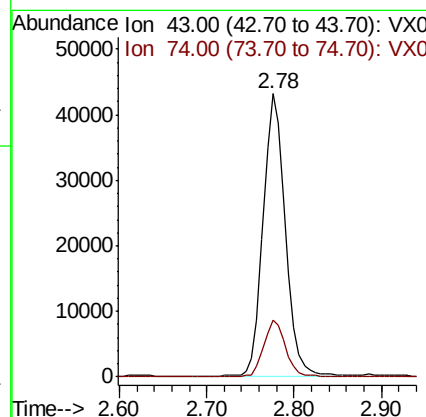
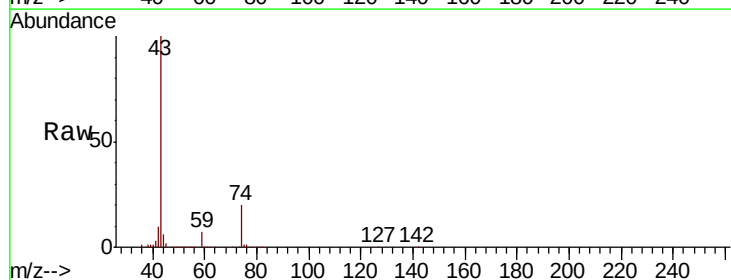
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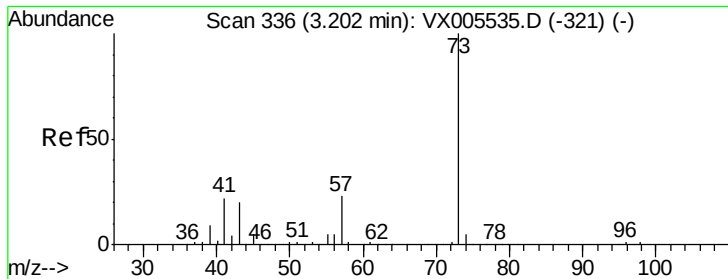
MMDadoda
10/26/2018 11:54:00 AM



#18
Methyl Acetate
Concen: 22.188 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	19.4	29.2





#19

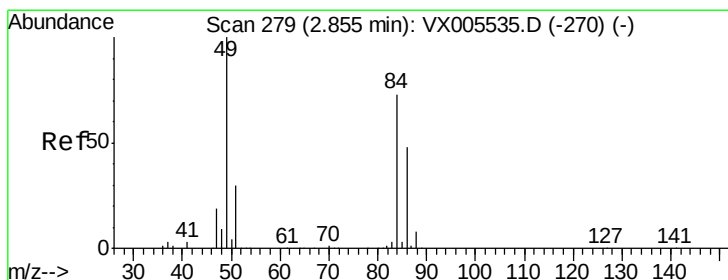
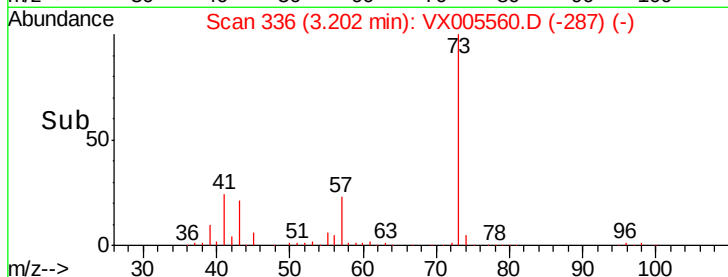
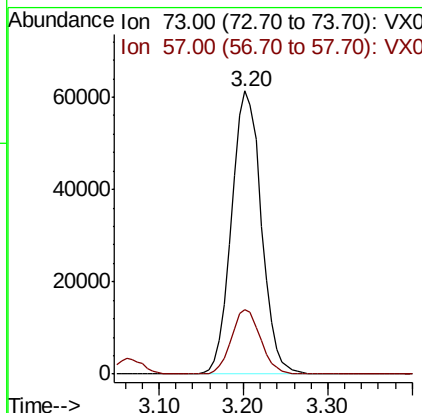
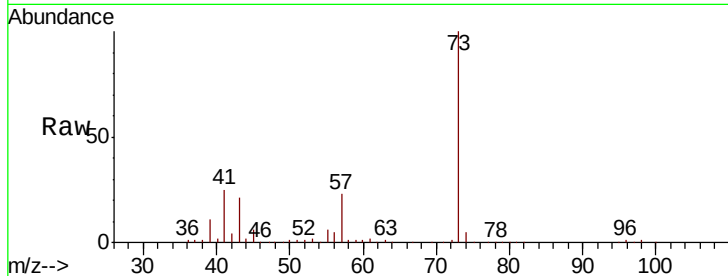
Methyl tert-butyl Ether
 Concen: 20.980 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.1	25.7

Manual Integrations
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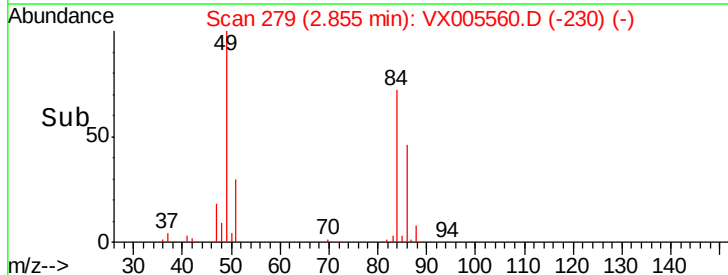
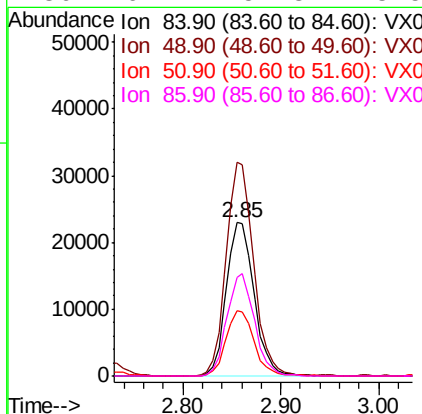
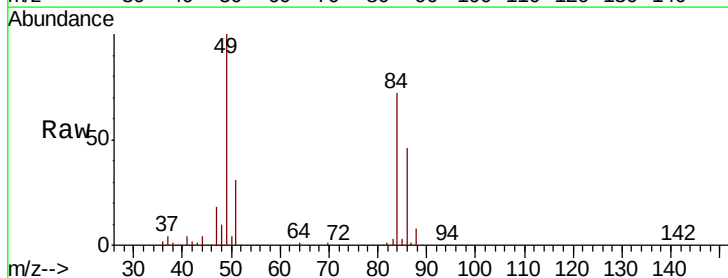
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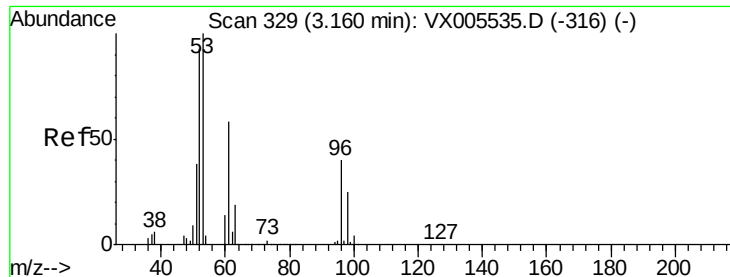


#20

Methylene Chloride
 Concen: 20.195 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.5	101.2	151.8
51	42.7	29.5	44.3
86	64.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.900 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

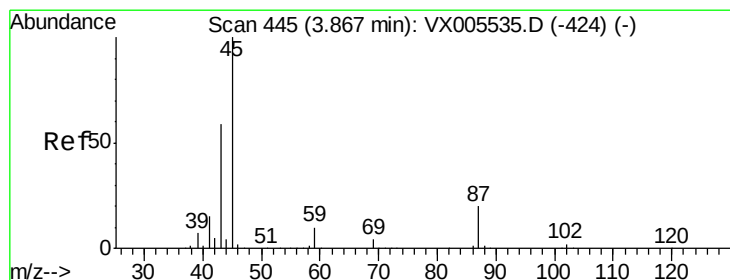
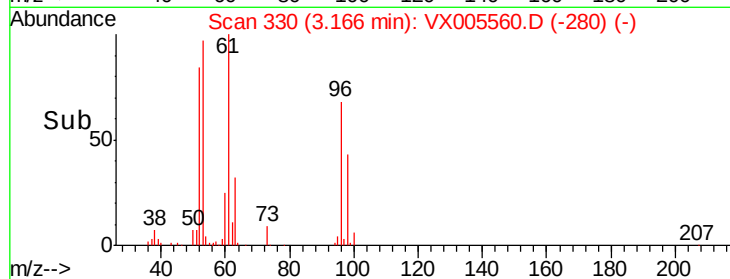
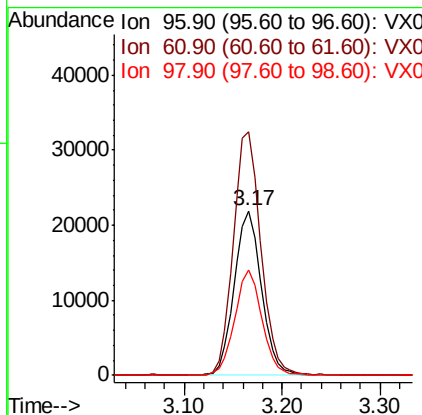
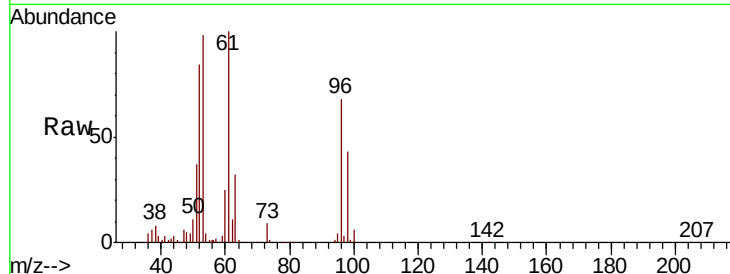
ClientSampleId :

VX1024WBSD02

Tot Ion:	96	Resp:	42502
Ion	Ratio	Lower	Upper
96	100		
61	148.1	113.8	170.6
98	63.8	51.8	77.8

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#22

Diisopropyl ether

Concen: 20.179 ug/l

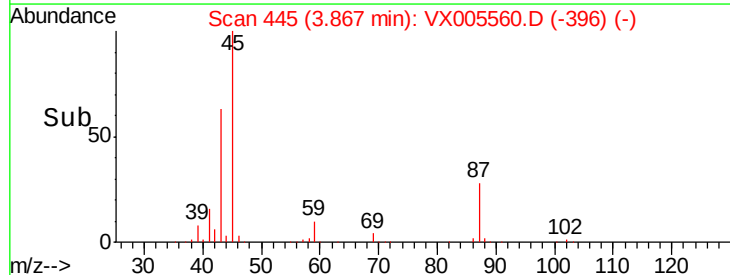
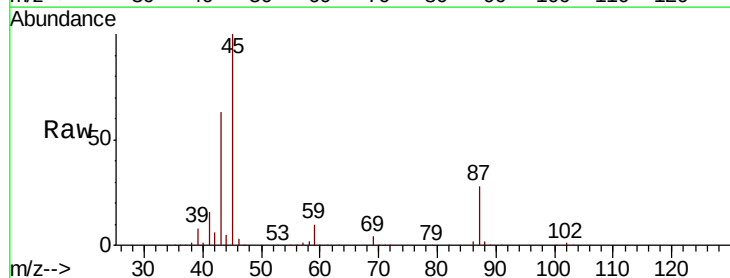
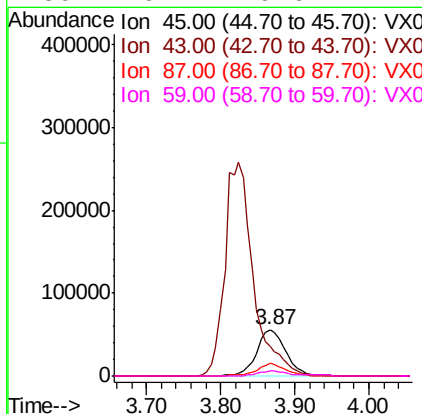
RT: 3.87 min Scan# 445

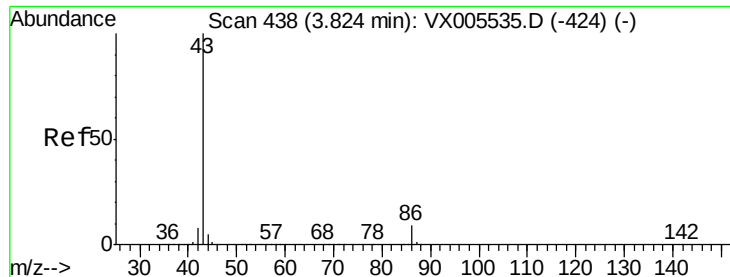
Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Tgt Ion:	45	Resp:	153837
Ion	Ratio	Lower	Upper
45	100		
43	62.7	42.8	64.2
87	27.8	22.6	34.0
59	10.4	9.6	14.4





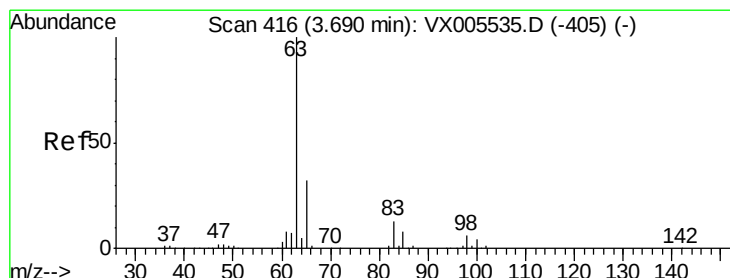
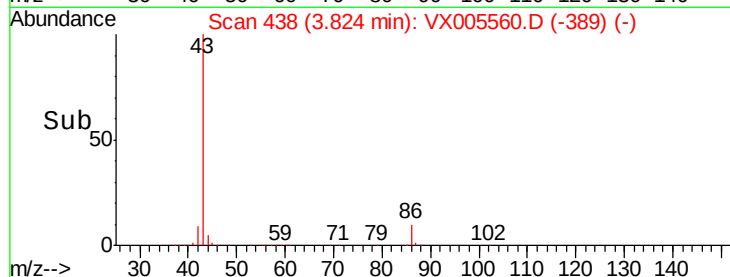
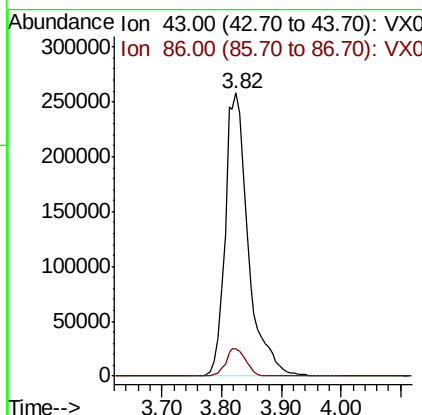
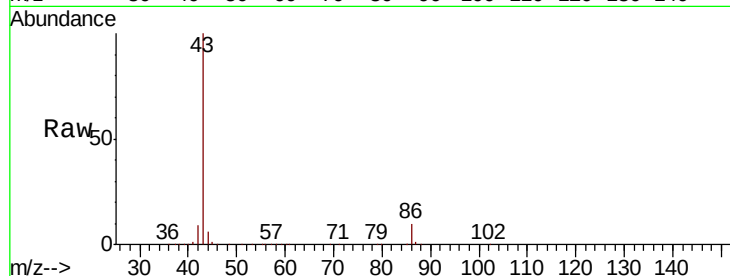
#23
 Vinyl Acetate
 Concen: 103.177 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.9	13.3

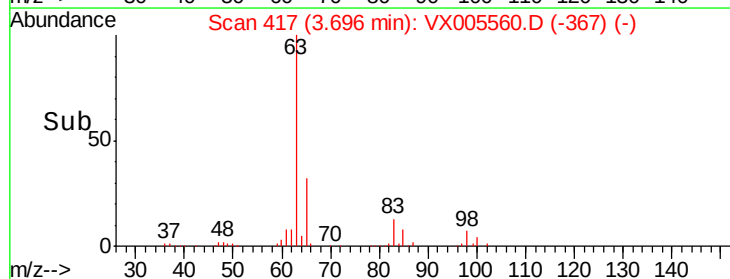
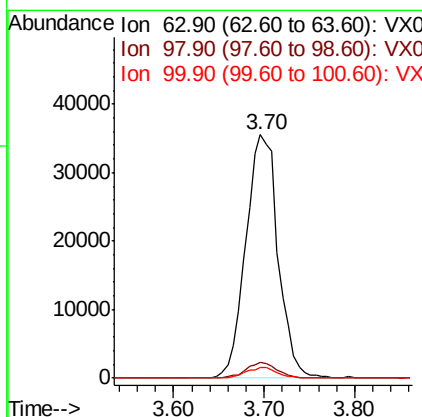
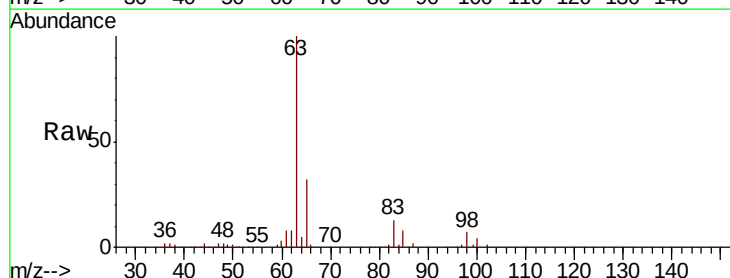
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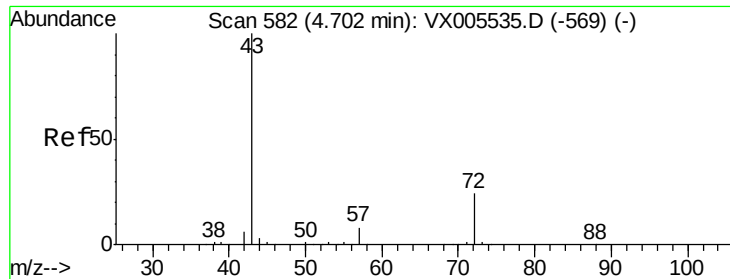
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#24
 1,1-Dichloroethane
 Concen: 21.183 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	4.2	2.4	7.1





#25

2-Butanone

Concen: 106.225 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion: 43 Resp: 217424

Ion Ratio Lower Upper

43 100

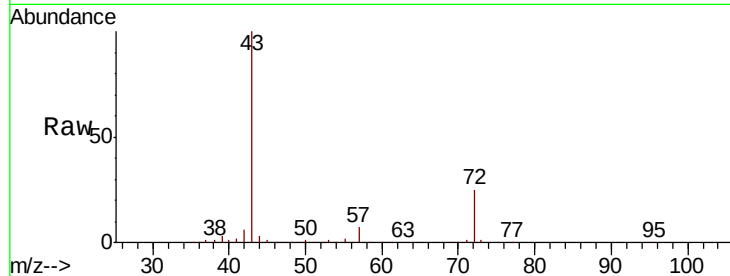
72 24.6 22.0 33.0

Manual Integrations

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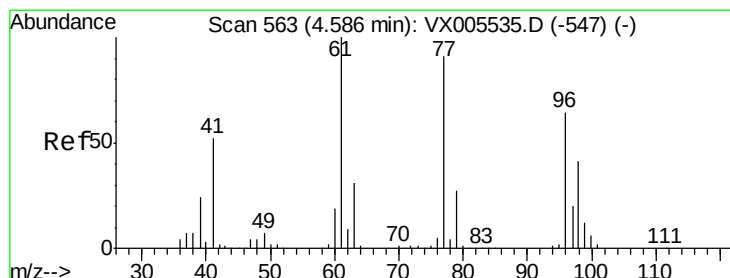
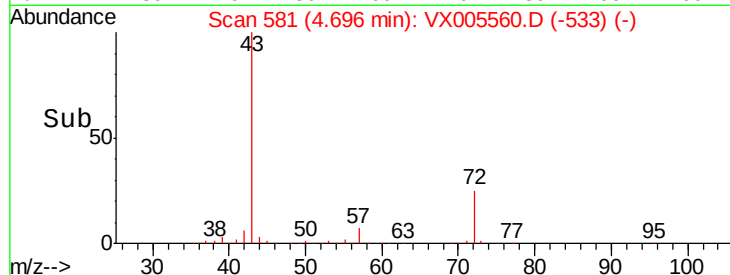
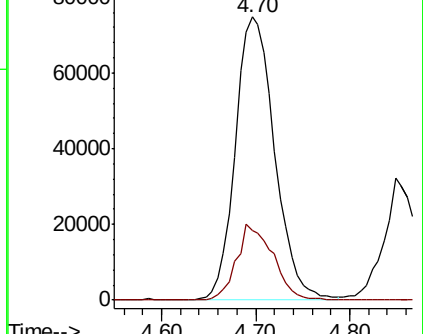
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.908 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005560.D

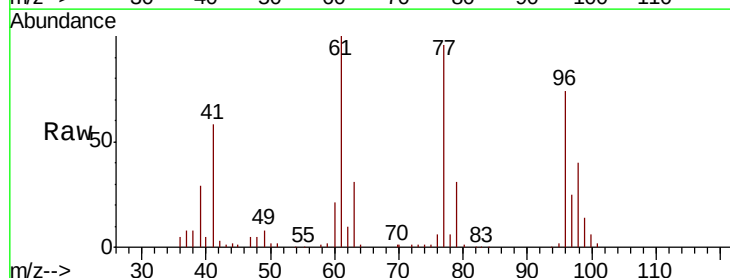
Acq: 25 Oct 2018 00:31

Tgt Ion: 77 Resp: 50906

Ion Ratio Lower Upper

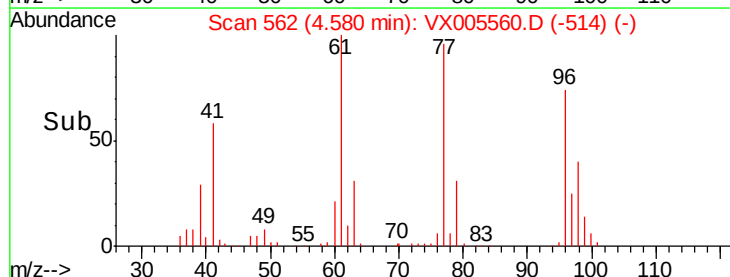
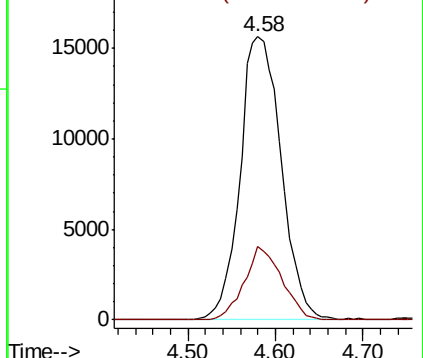
77 100

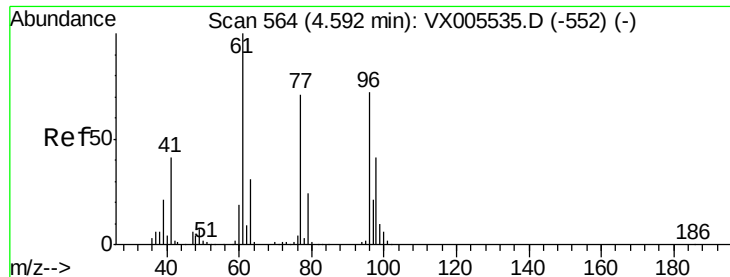
97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

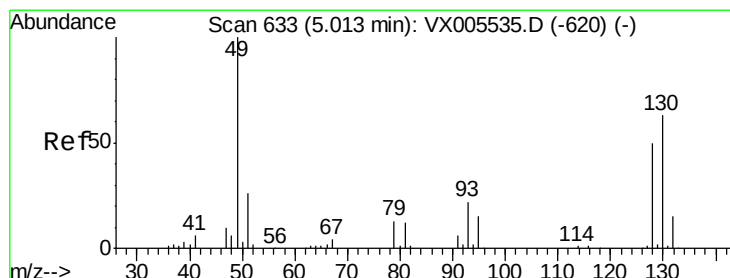
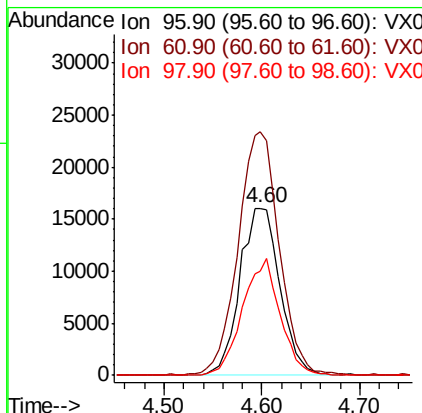
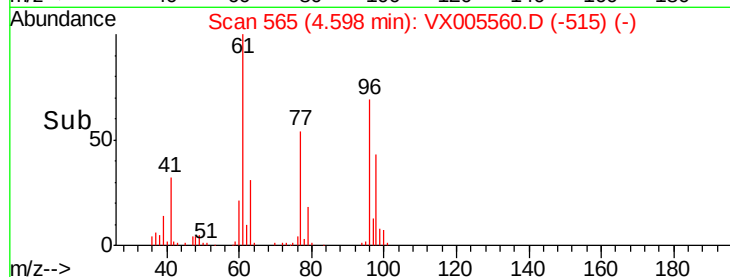
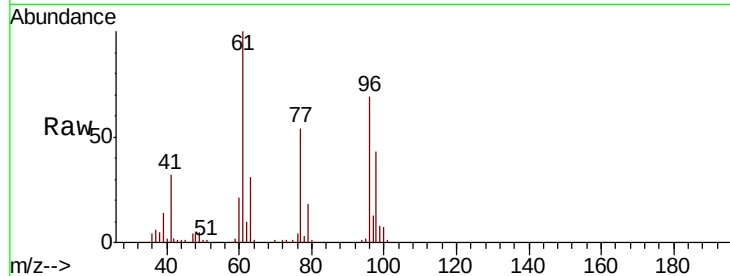
cis-1,2-Dichloroethene
 Concen: 19.829 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	282.6
98	65.5	0.0	130.2

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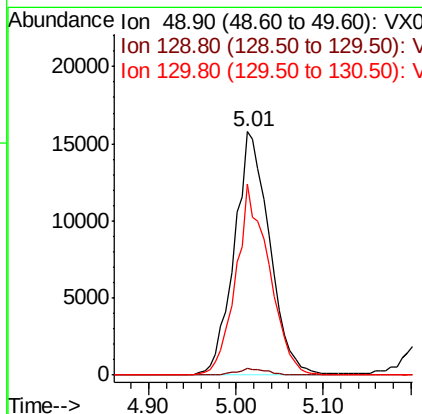
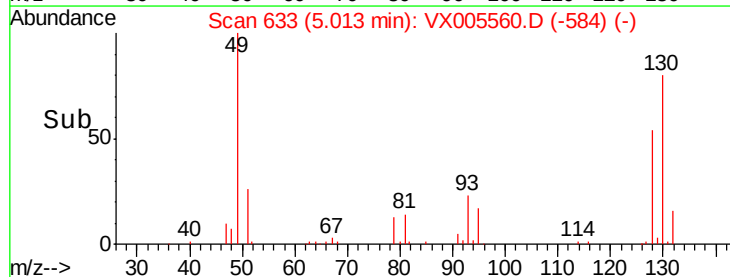
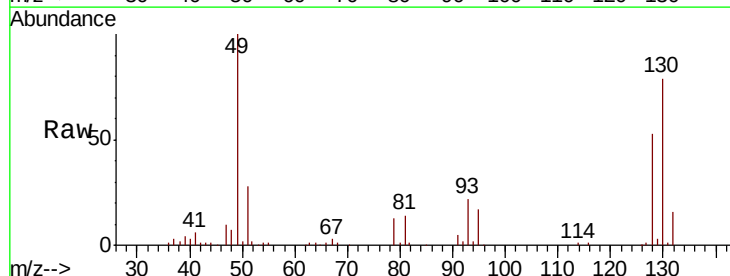
MMDadoda
 10/26/2018 11:54:00 AM

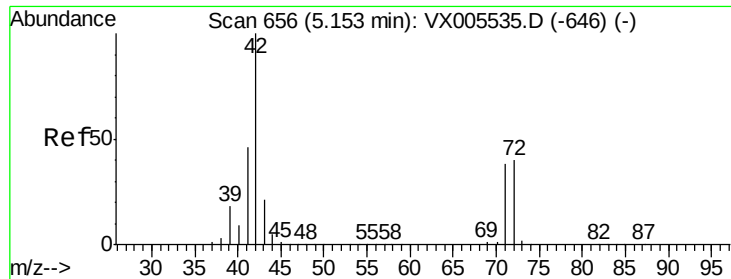


#28

Bromochloromethane
 Concen: 22.114 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	73.5	67.5	101.3





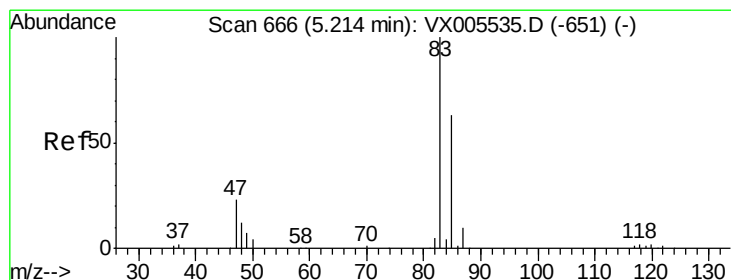
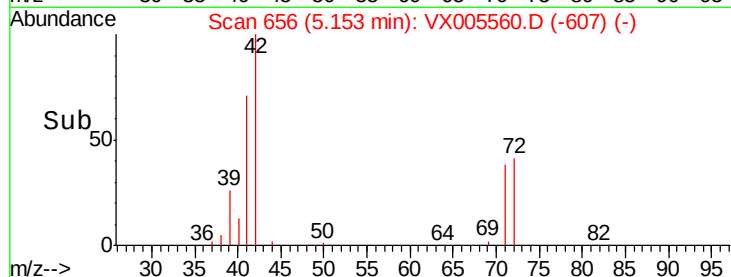
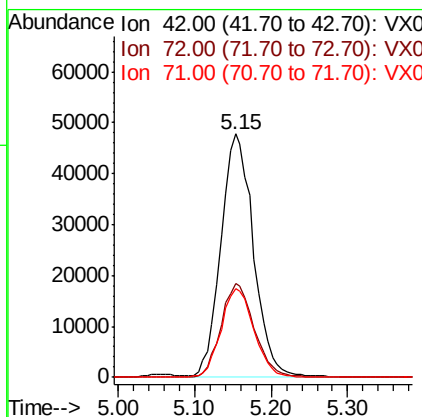
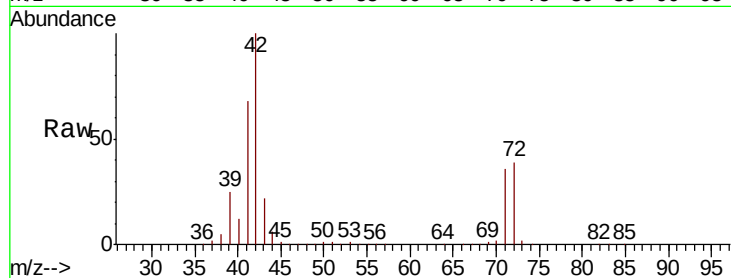
#29
Tetrahydrofuran
Concen: 104.787 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	37.4	56.0
71	37.1	34.5	51.7

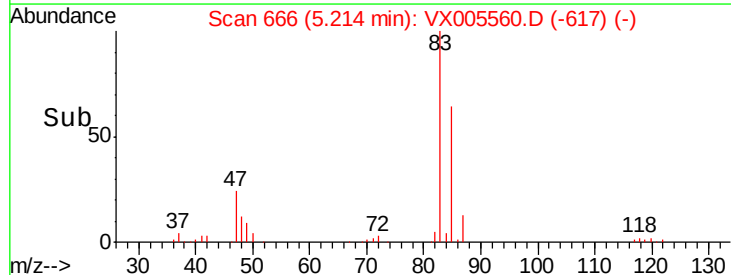
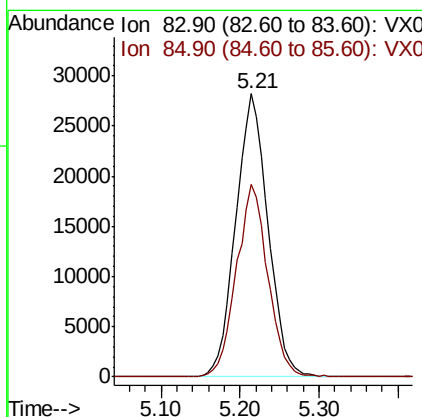
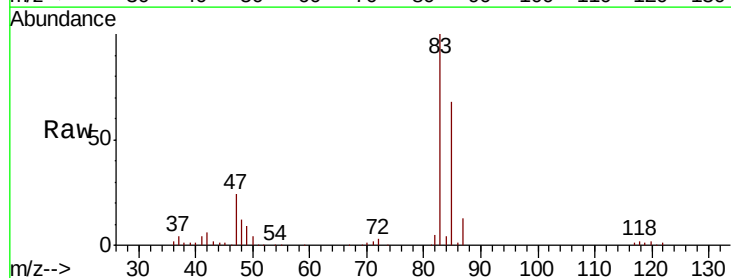
Manual Integrations
APPROVED

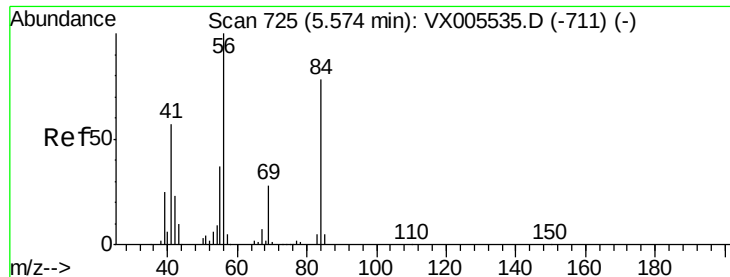
MMDadoda
10/26/2018 11:54:00 AM



#30
Chloroform
Concen: 20.660 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.6	79.0





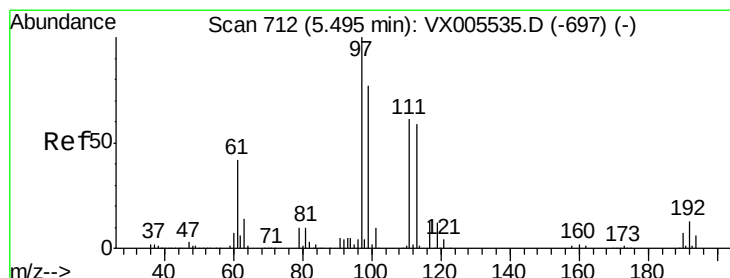
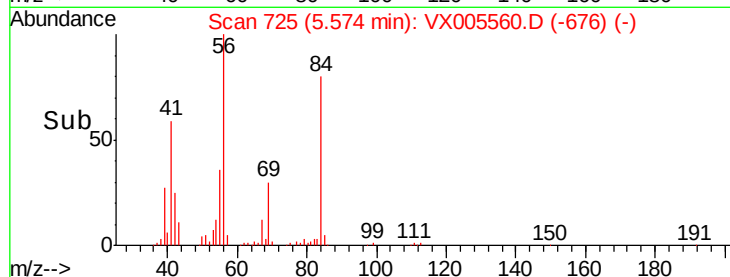
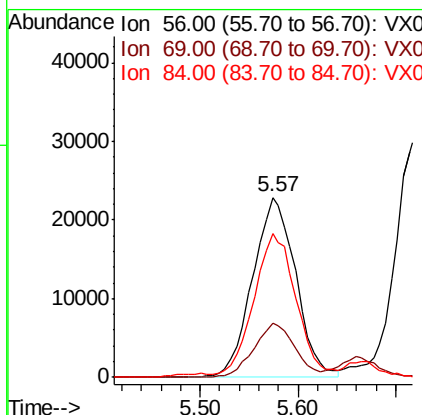
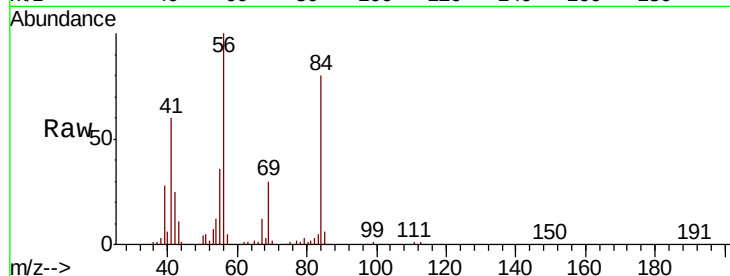
#31
Cyclohexane
Concen: 20.469 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.4	38.2
84	78.5	71.4	107.2

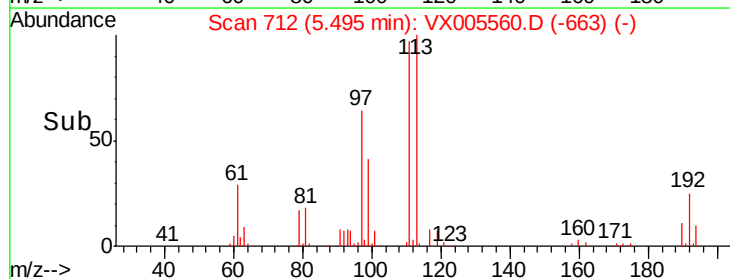
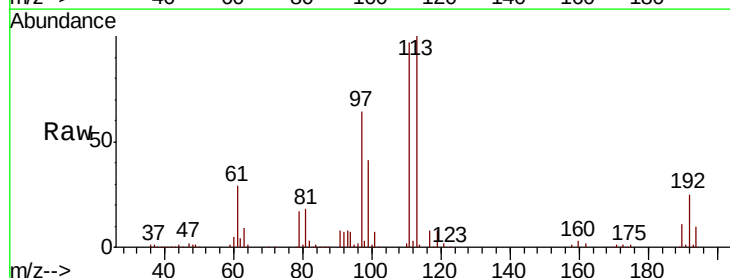
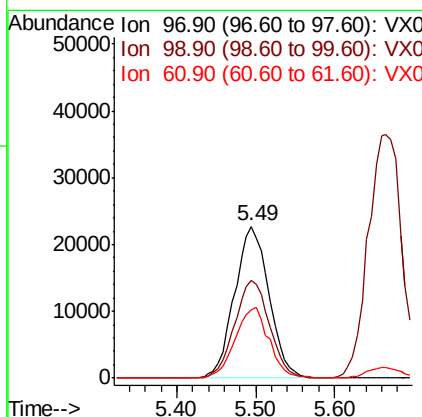
Manual Integrations
APPROVED

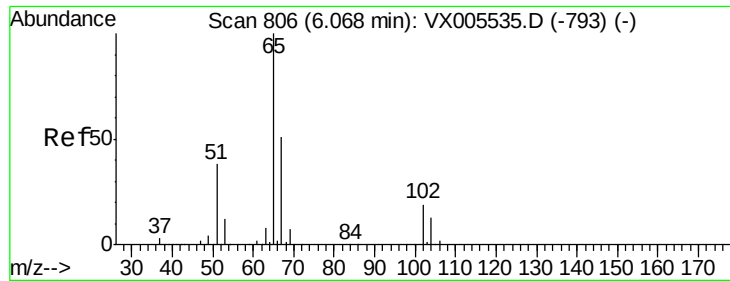
MMDadoda
10/26/2018 11:54:00 AM



#32
1,1,1-Trichloroethane
Concen: 20.133 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	45.9	34.9	52.3





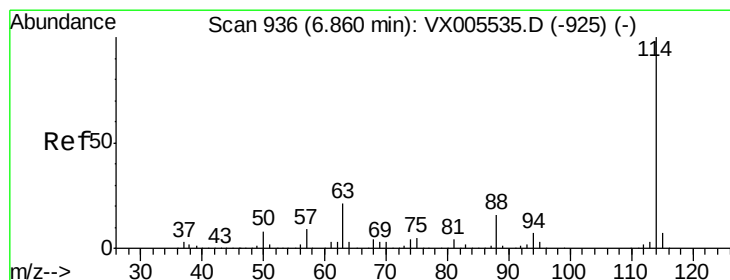
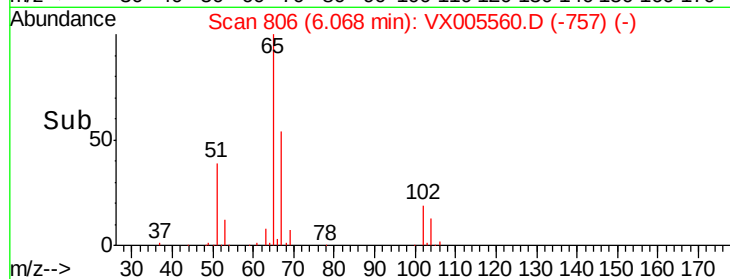
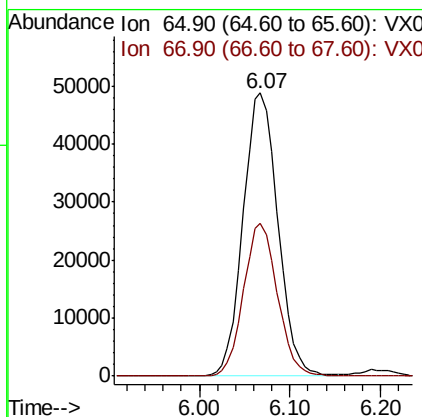
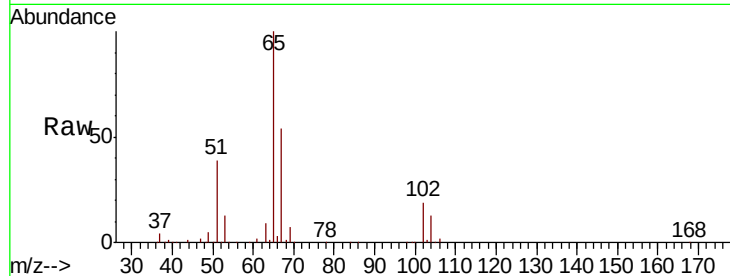
#33
 1,2-Dichloroethane-d4
 Concen: 50.988 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8

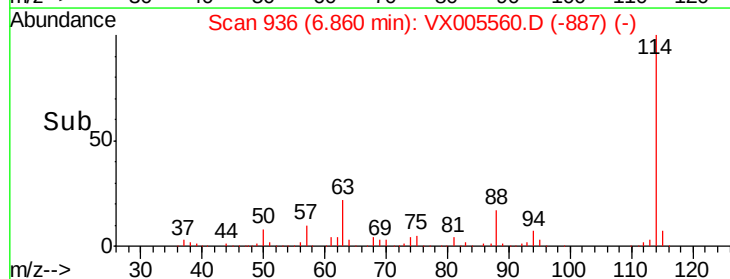
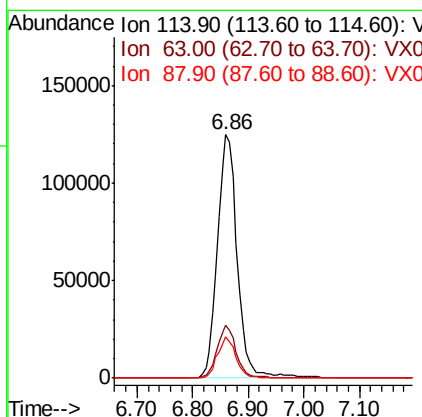
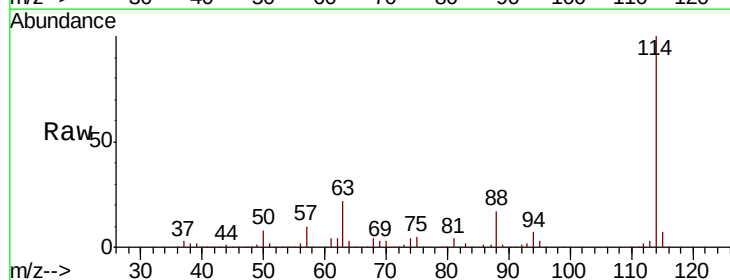
Manual Integrations
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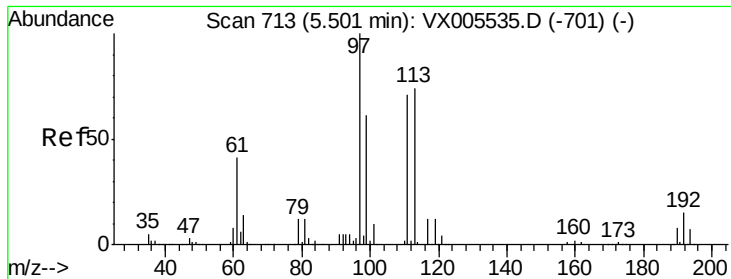
MMDadoda
 10/26/2018 11:54:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	39.0
88	16.9	0.0	30.4





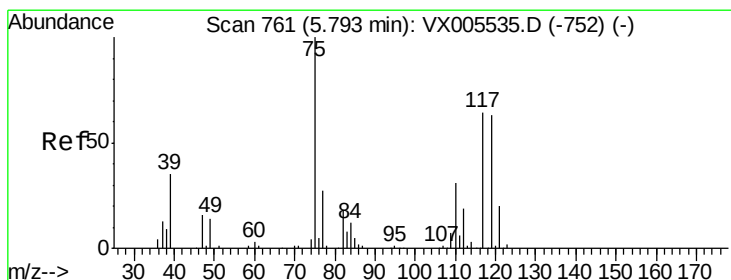
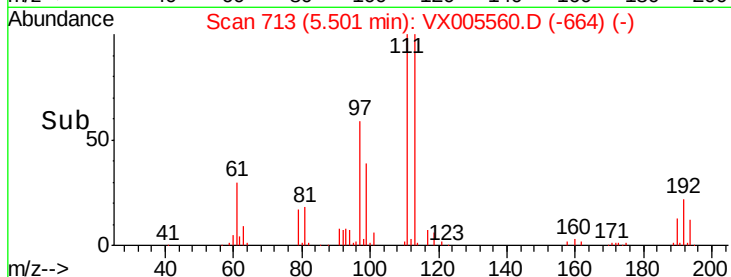
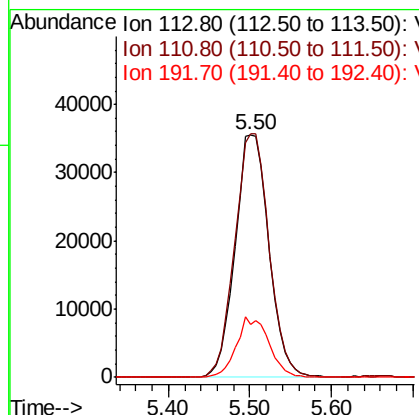
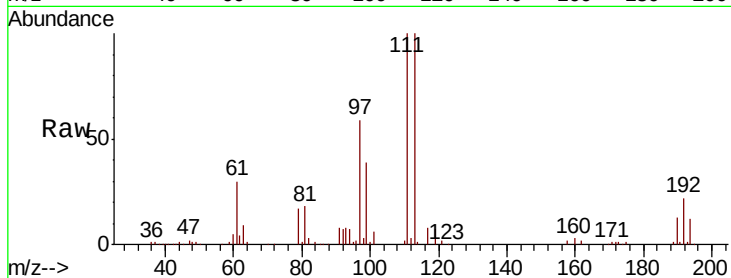
#35
 Dibromofluoromethane
 Concen: 48.854 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102128		
111	101.6	82.4	123.6	
192	23.7	19.4	29.2	

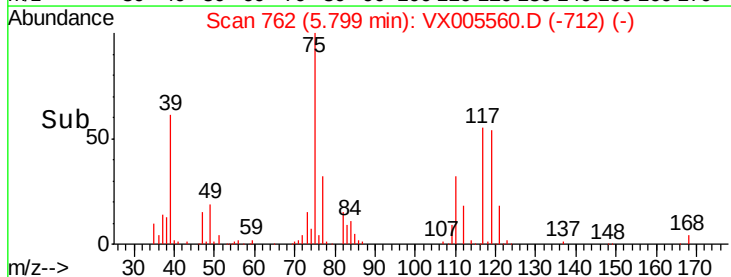
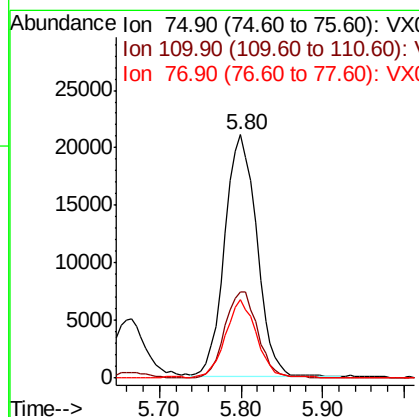
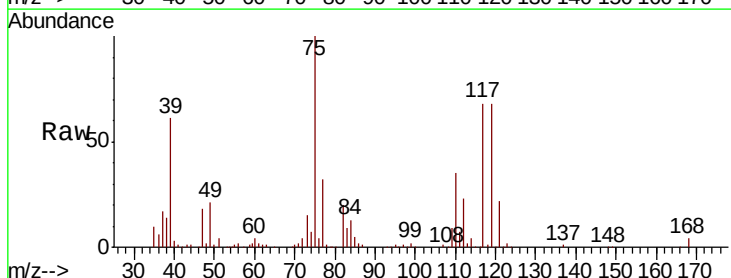
Manual Integrations
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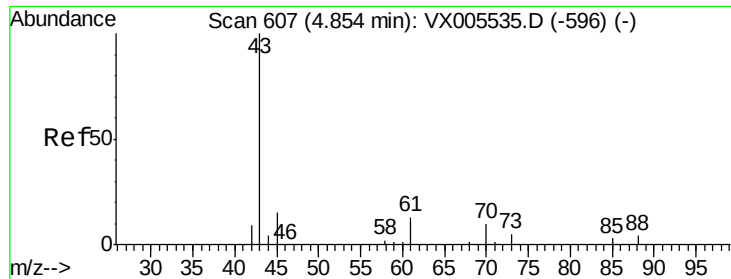
MMDadoda
 10/26/2018 11:54:00 AM



#36
 1,1-Dichloropropene
 Concen: 19.201 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57528		
110	36.5	18.0	54.0	
77	31.6	24.6	36.8	





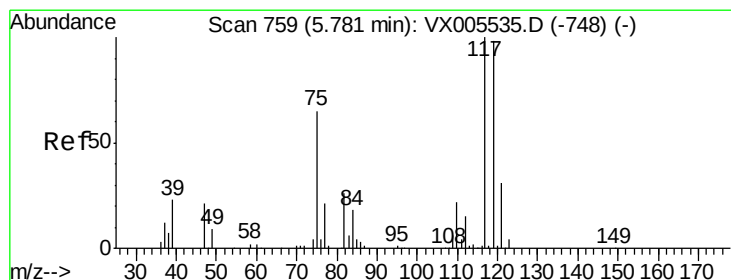
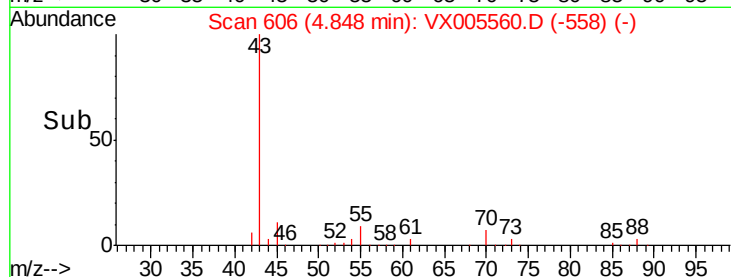
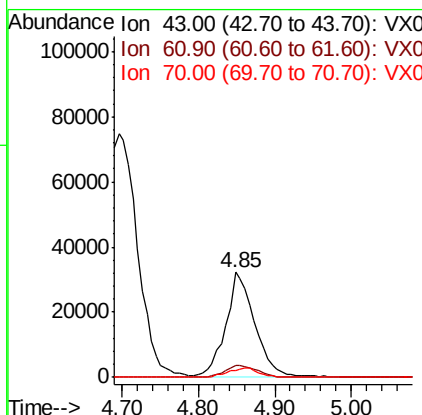
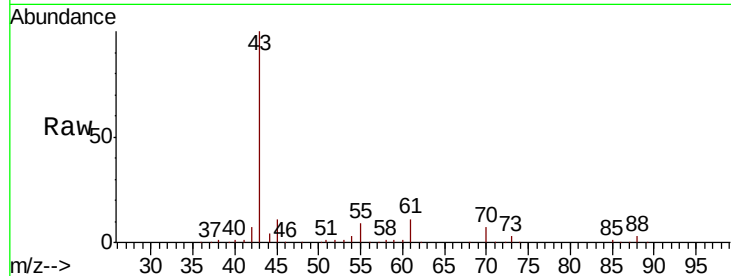
#37
Ethyl Acetate
Concen: 21.883 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleID :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.5	17.3
70	9.9	9.0	13.6

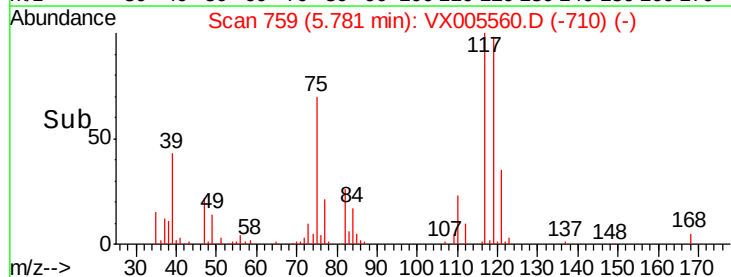
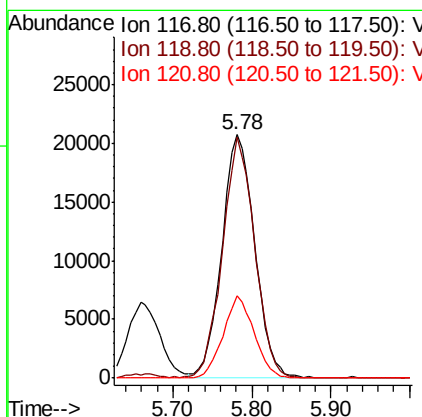
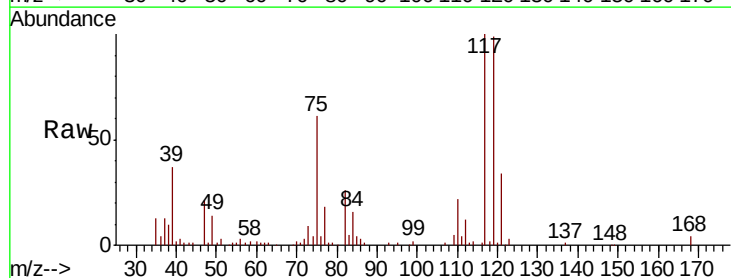
Manual Integrations
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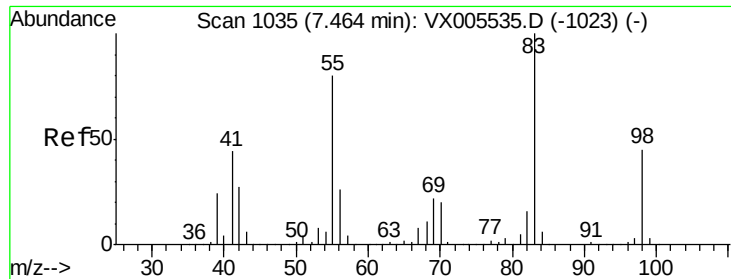
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.091 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	78.8	118.2
121	34.0	24.9	37.3





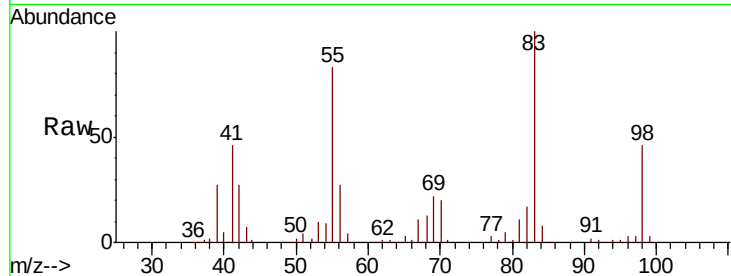
#39
Methylvlcyclohexane
Concen: 18.841 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

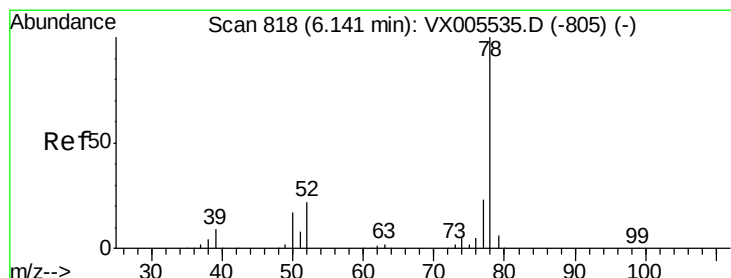
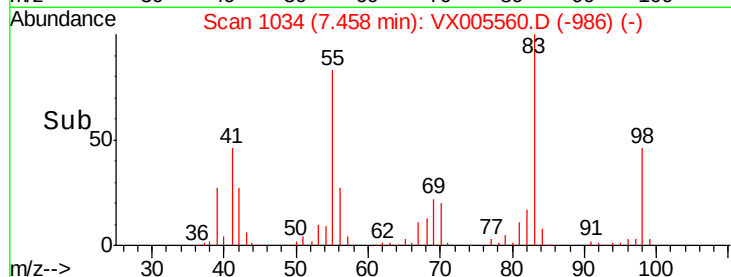
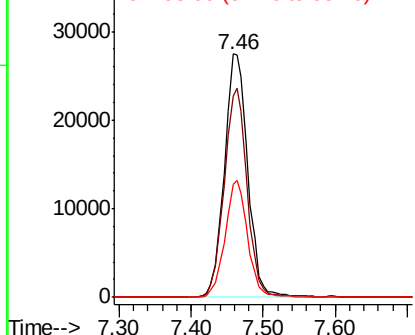
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	61.0	91.4
98	46.5	39.6	59.4

Manual Integrations
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MMDadoda
10/26/2018 11:54:00 AM

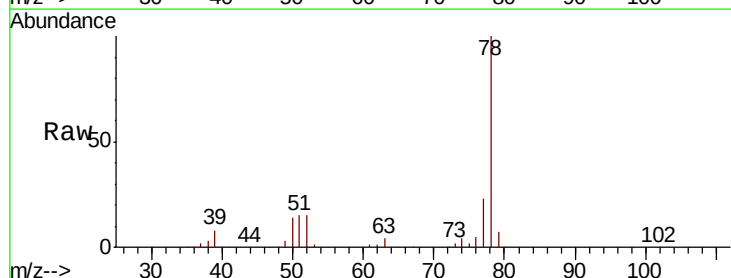


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

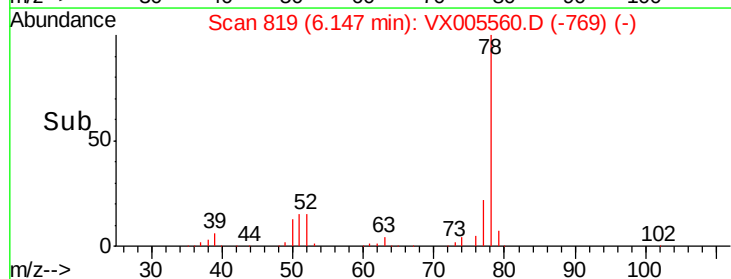
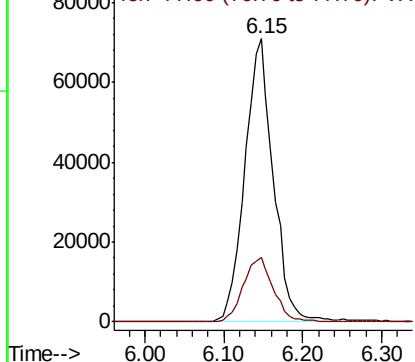


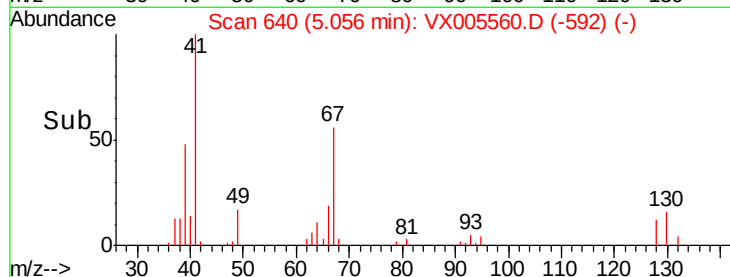
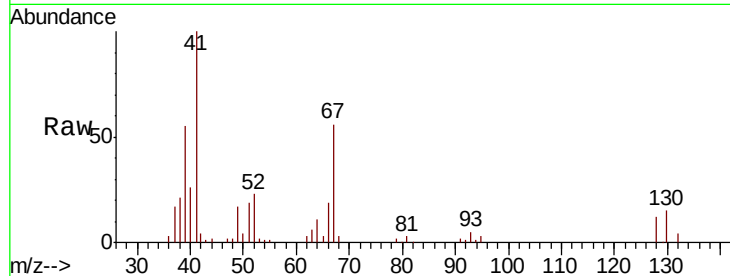
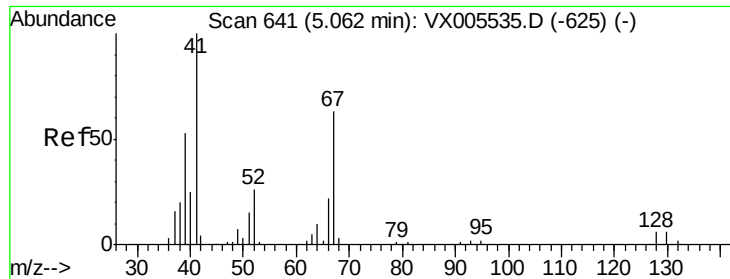
#40
Benzene
Concen: 20.674 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





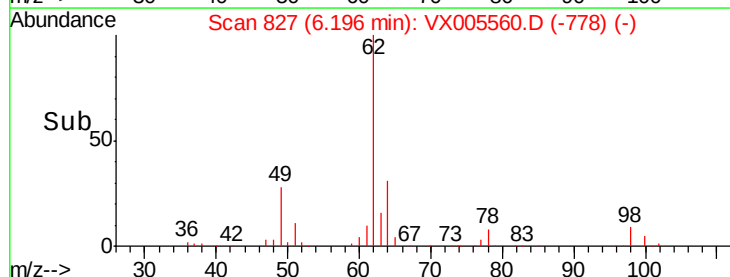
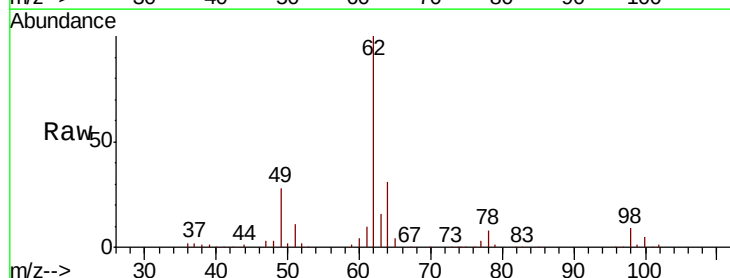
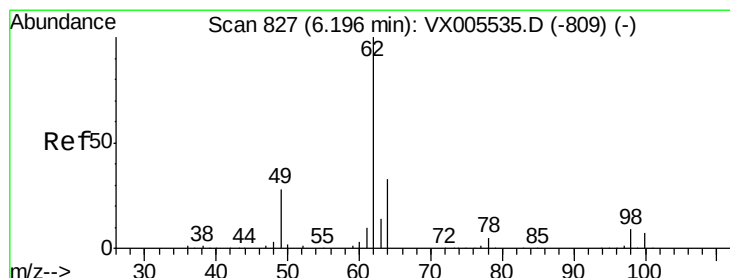
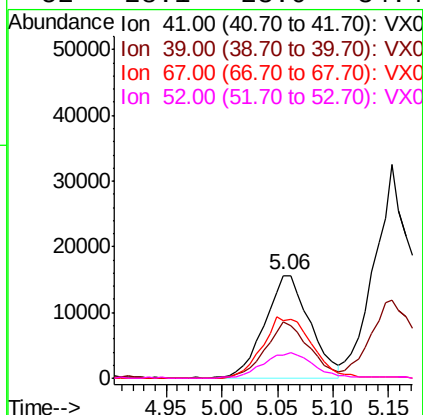
#41
Methacrylonitrile
Concen: 20.574 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	52.5	42.4	63.6
67	67	66.2	59.2	88.8
52	52	28.1	23.0	34.4

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

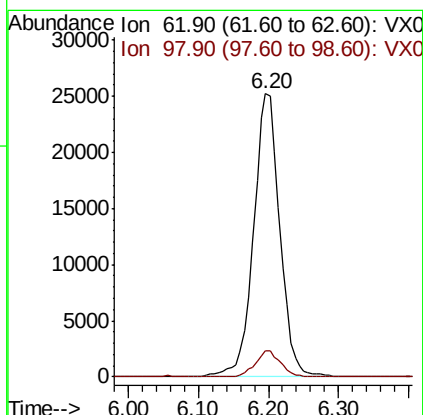
Manual Integrations
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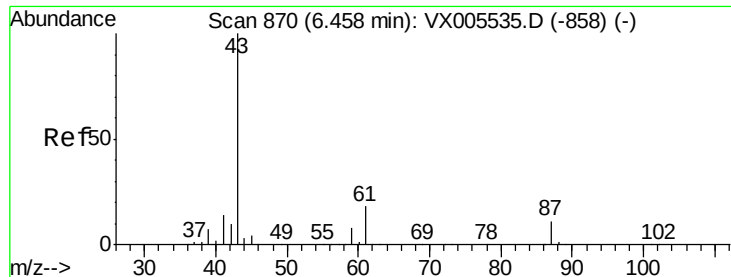
MMDadoda
10/26/2018 11:54:00 AM



#42
1,2-Dichloroethane
Concen: 20.149 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.609 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

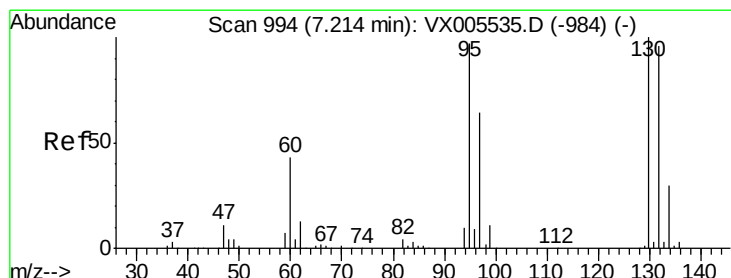
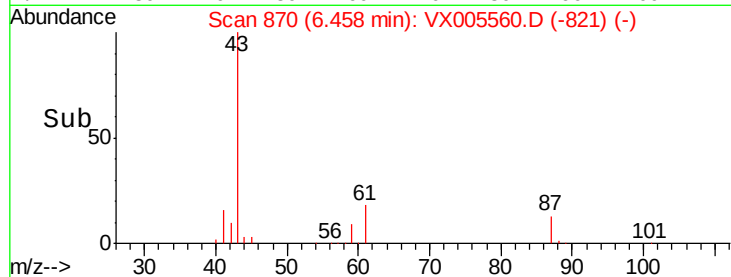
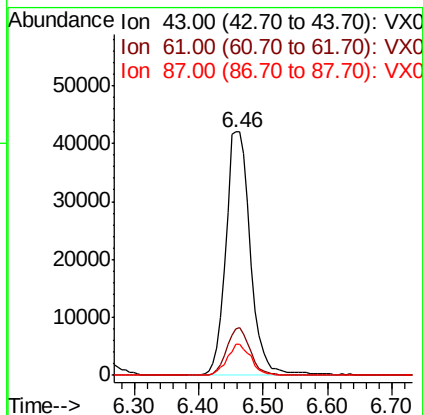
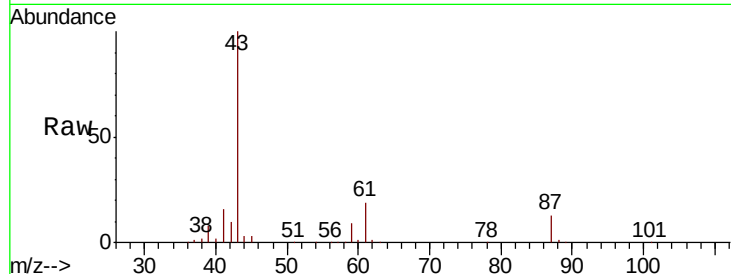
ClientSampleId :

VX1024WBSD02

Tot Ion:	43	Resp:	112347
Ion	Ratio	Lower	Upper
43	100		
61	18.8	17.0	25.4
87	12.3	11.4	17.2

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#44

Trichloroethene

Concen: 20.259 ug/l

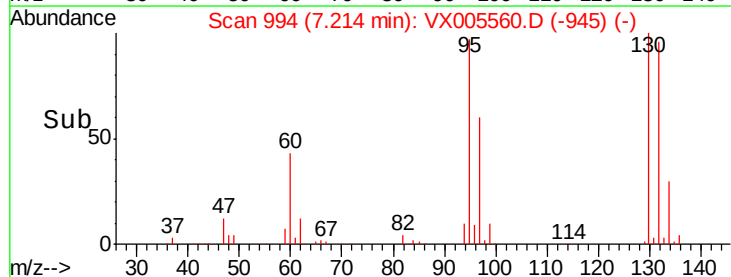
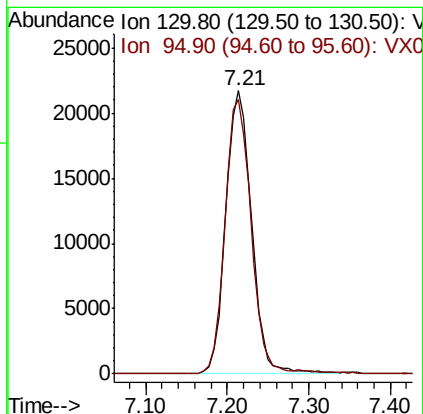
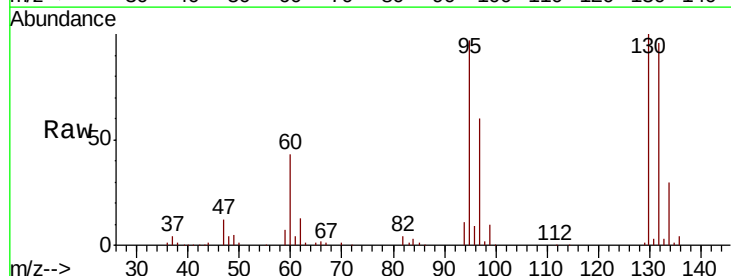
RT: 7.21 min Scan# 994

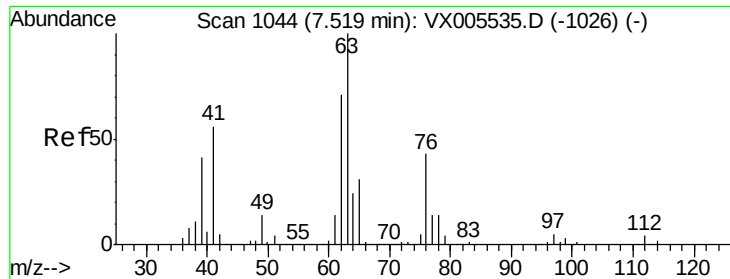
Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Tgt Ion:	130	Resp:	47403
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	181.6





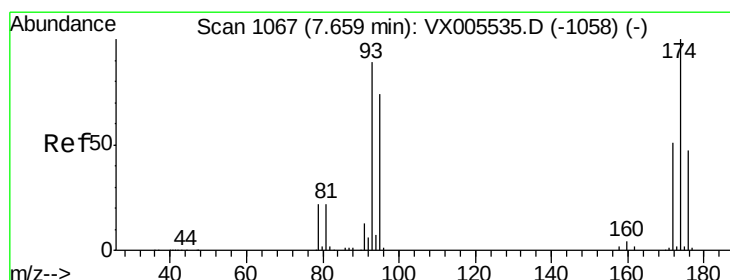
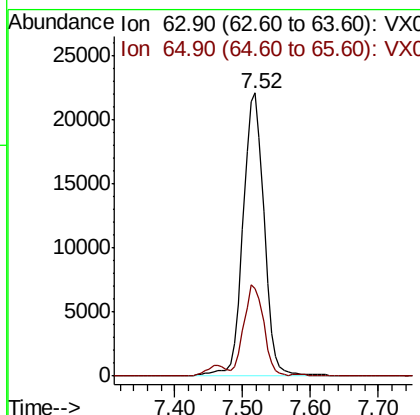
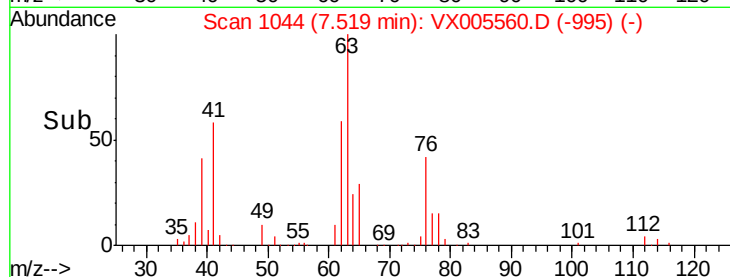
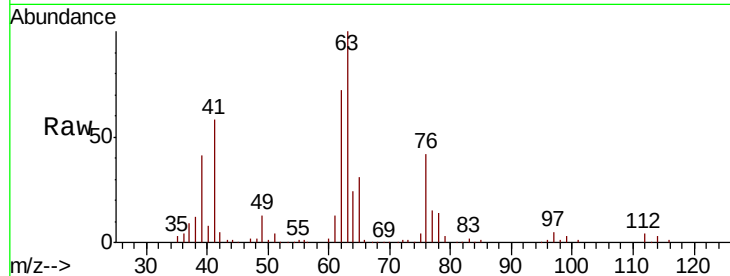
#45
 1,2-Dichloropropane
 Concen: 20.636 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion: 63 Resp: 47650
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.3 36.5

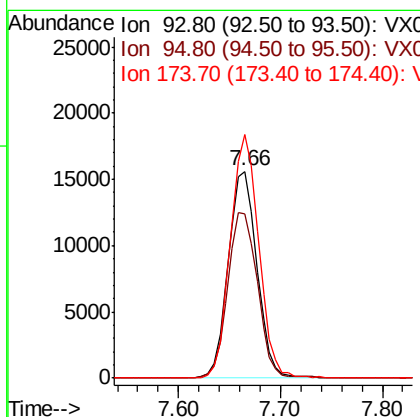
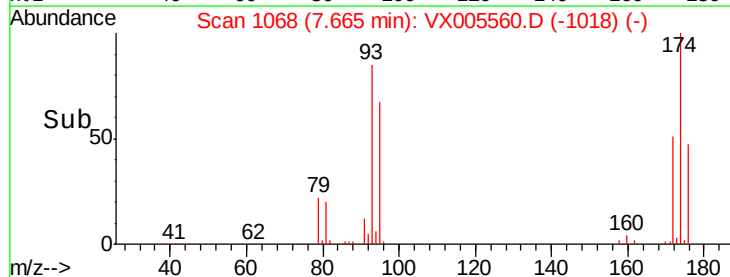
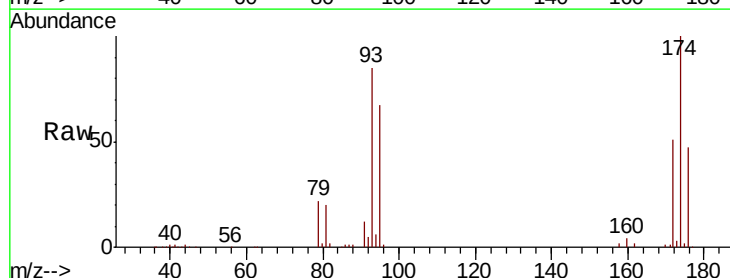
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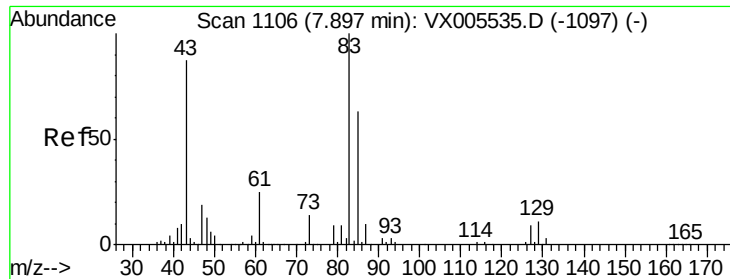
MMDadoda
 10/26/2018 11:54:00 AM



#46
 Dibromomethane
 Concen: 20.356 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion: 93 Resp: 30358
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.5 98.3
 174 115.6 94.2 141.4





#47

Bromodichloromethane

Concen: 20.317 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

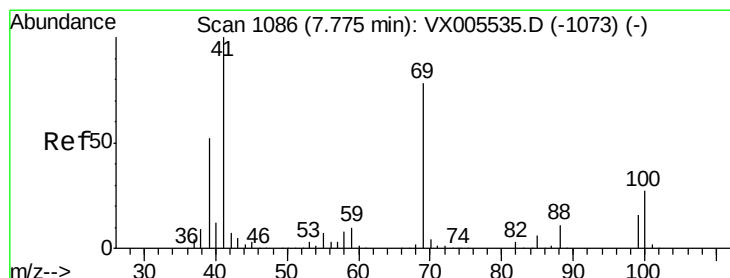
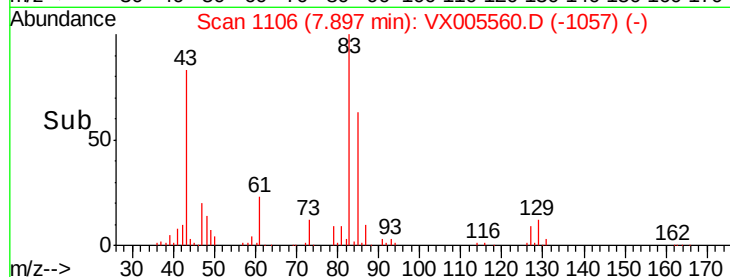
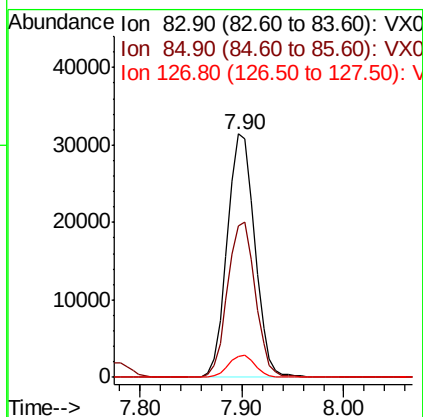
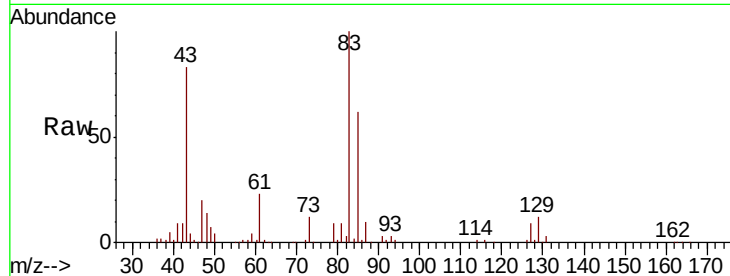
ClientSampleId :

VX1024WBSD02

Tot Ion:	83	Resp:	58809
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.903 ug/l

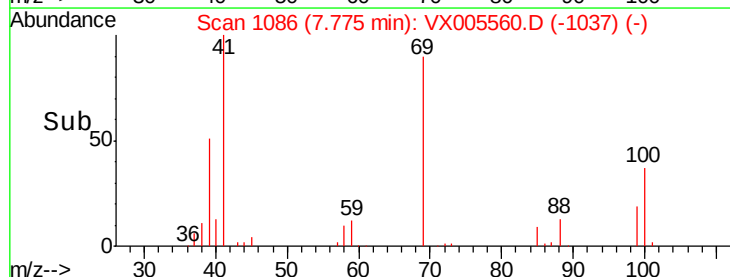
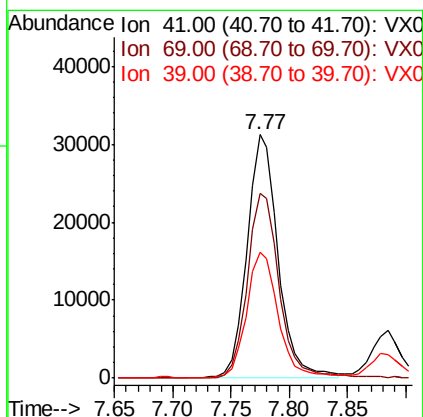
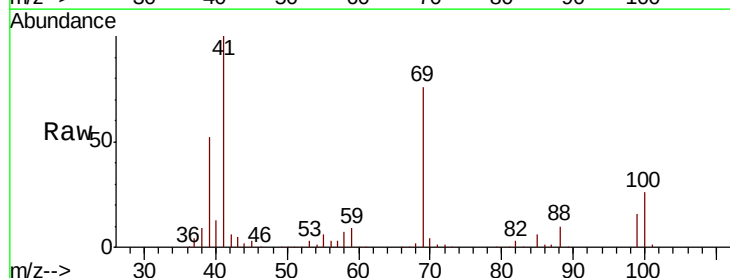
RT: 7.77 min Scan# 1086

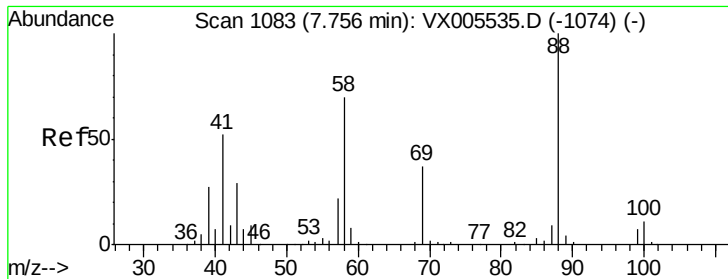
Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Tgt Ion:	41	Resp:	58341
Ion	Ratio	Lower	Upper
41	100		
69	78.6	70.2	105.4
39	53.0	42.7	64.1





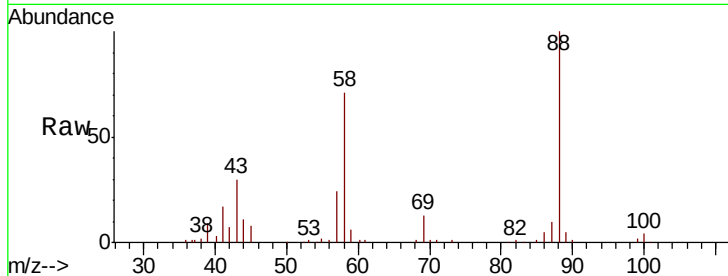
#49
1,4-Dioxane
Concen: 423.412 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	88	Resp	25826
Ion	Ratio	Lower	Upper
88	100		
43	34.8	24.7	37.1
58	74.0	55.3	82.9

Manual Integrations
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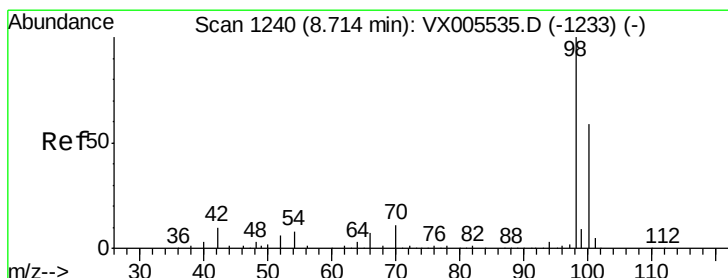
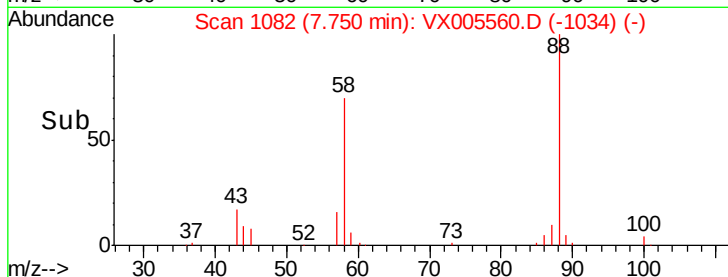
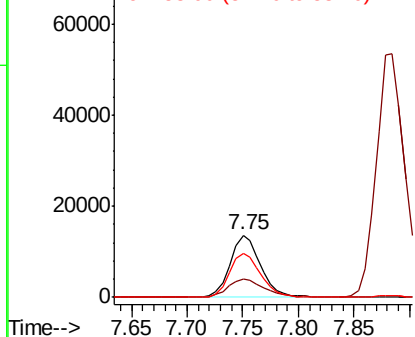


Abundance

Ion 88.00 (87.70 to 88.70): VX0

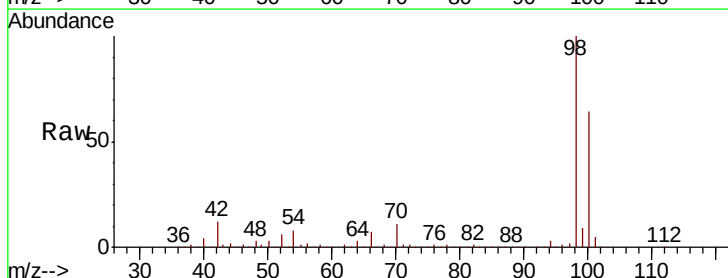
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 51.395 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

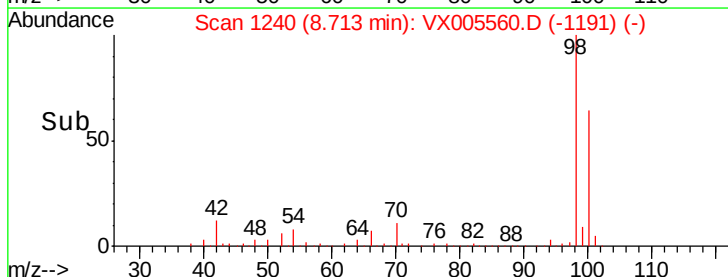
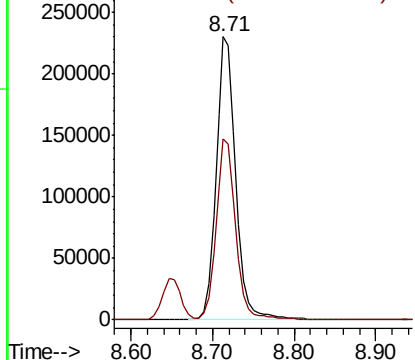
Tgt Ion	98	Resp	386058
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.9	79.3

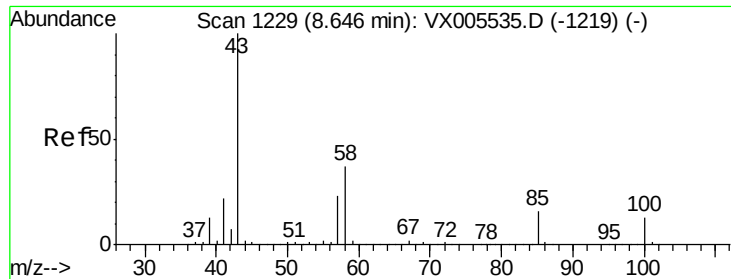


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 104.645 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion: 43 Resp: 402930

Ion Ratio Lower Upper

43 100

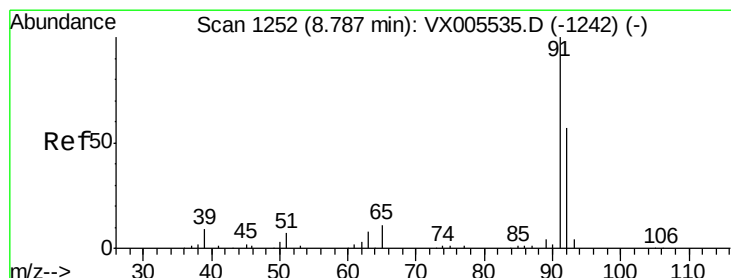
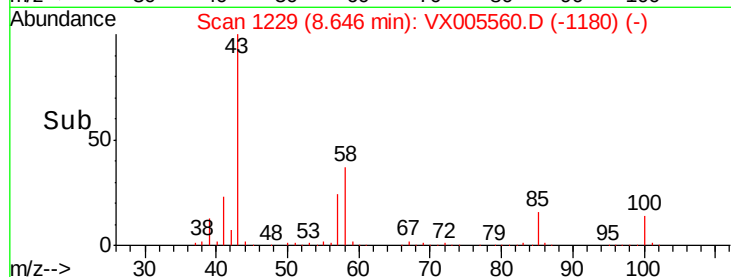
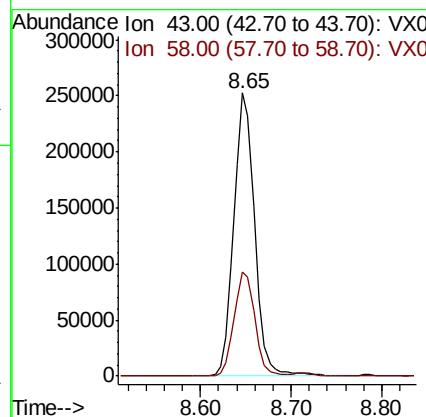
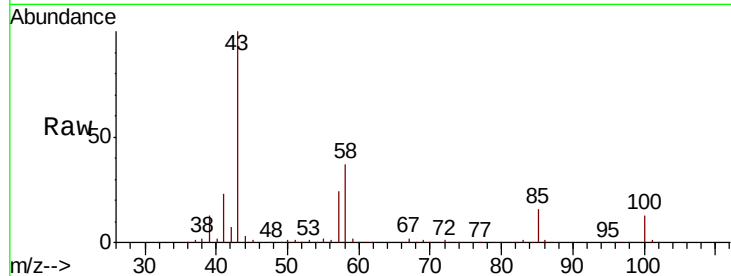
58 36.7 33.1 49.7

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#52

Toluene

Concen: 20.934 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005560.D

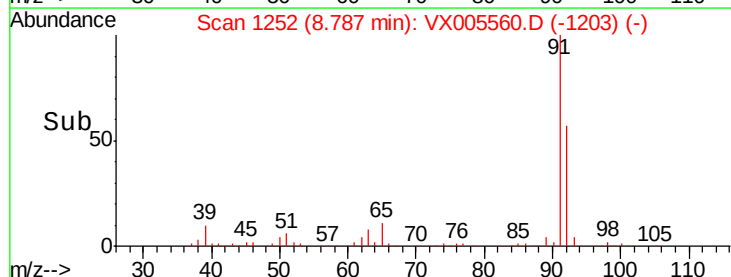
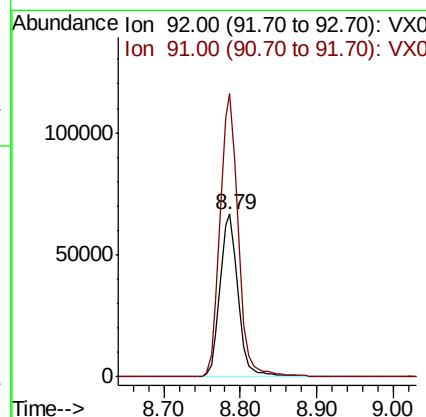
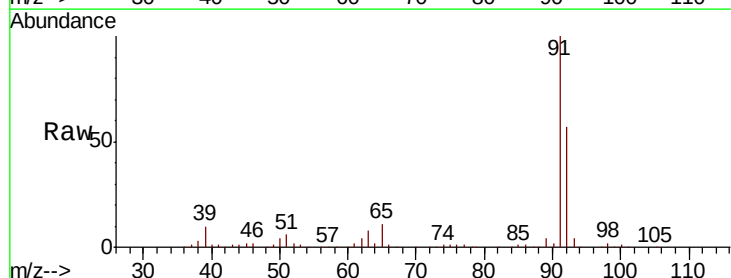
Acq: 25 Oct 2018 00:31

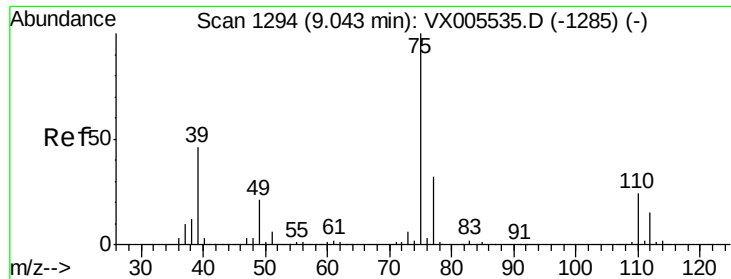
Tgt Ion: 92 Resp: 109271

Ion Ratio Lower Upper

92 100

91 175.2 136.4 204.6





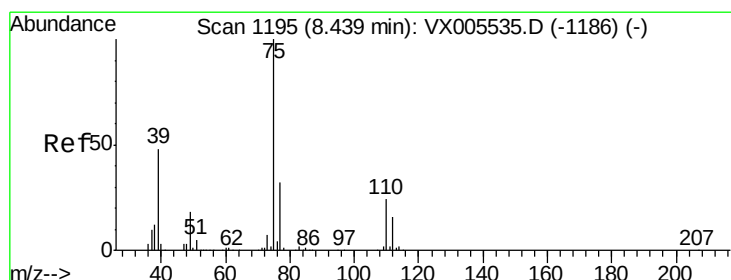
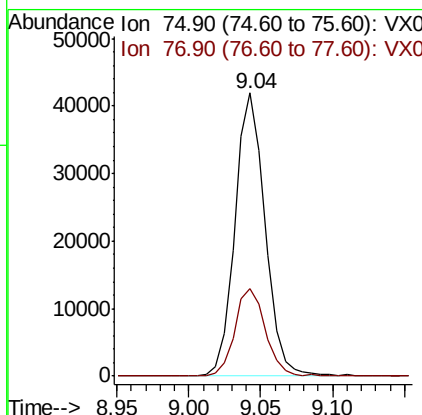
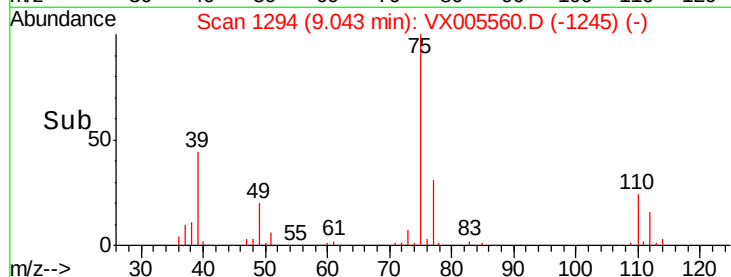
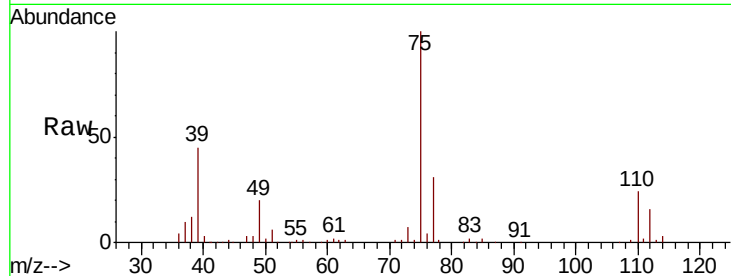
#53
t-1,3-Dichloropropene
Concen: 19.497 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion: 75 Resp: 60993
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0

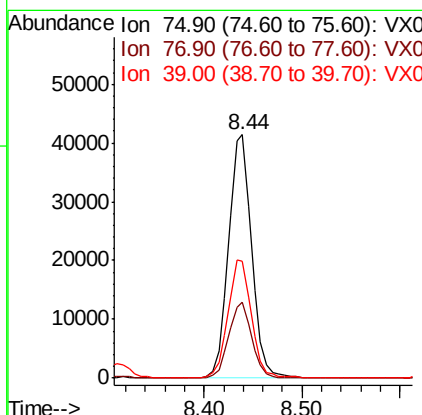
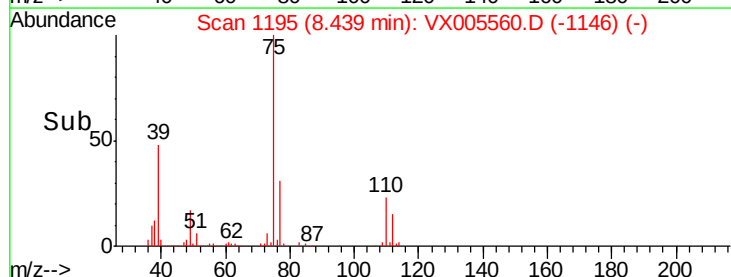
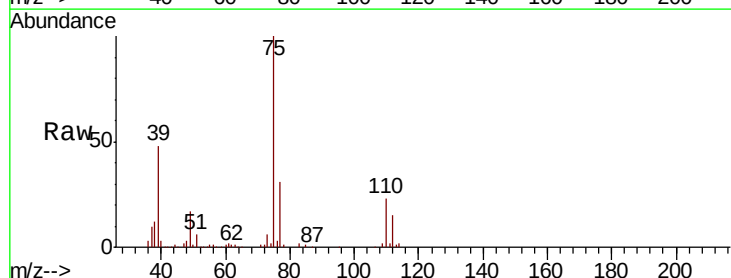
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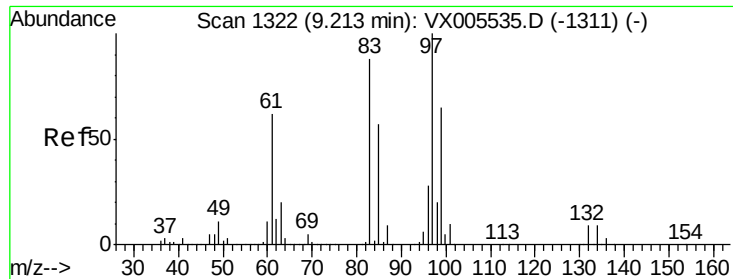
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#54
cis-1,3-Dichloropropene
Concen: 20.137 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion: 75 Resp: 67824
Ion Ratio Lower Upper
75 100
77 31.2 26.2 39.2
39 48.1 36.4 54.6





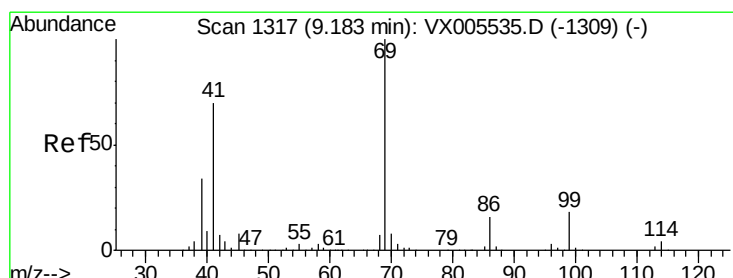
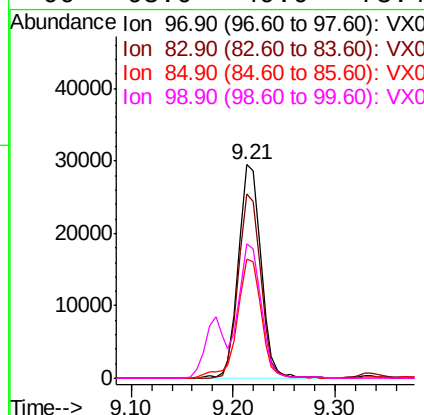
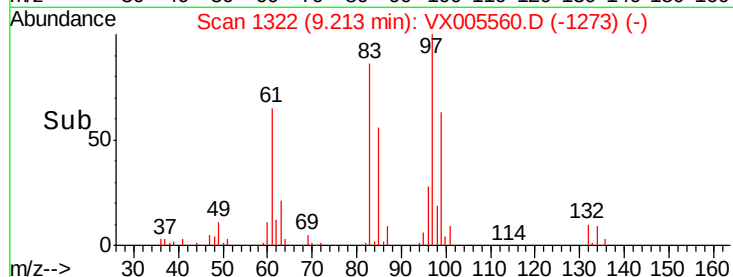
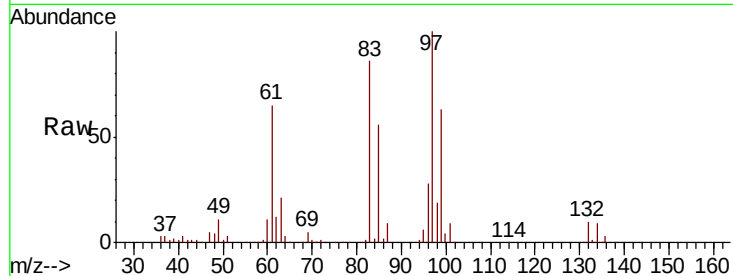
#55
 1,1,2-Trichloroethane
 Concen: 20.490 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion:	97	Resp:	45092
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.4	99.6
85	55.8	43.3	64.9
99	63.0	49.0	73.4

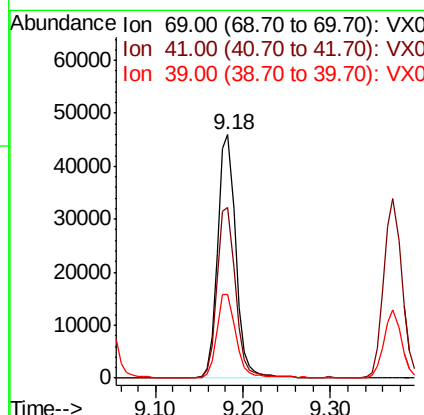
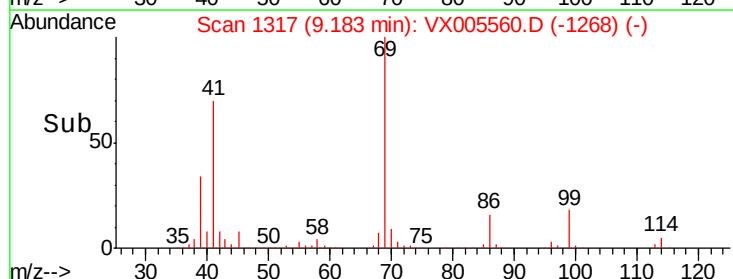
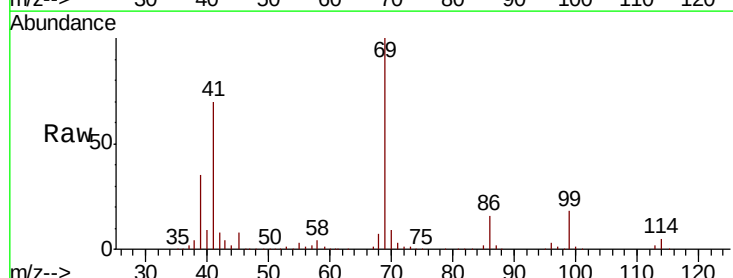
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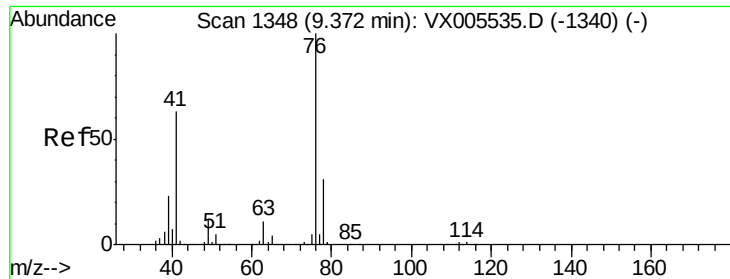
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 10/26/2018 11:54:00 AM



#56
 Ethyl methacrylate
 Concen: 20.178 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion:	69	Resp:	66234
Ion	Ratio	Lower	Upper
69	100		
41	71.4	51.0	76.4
39	35.6	26.1	39.1





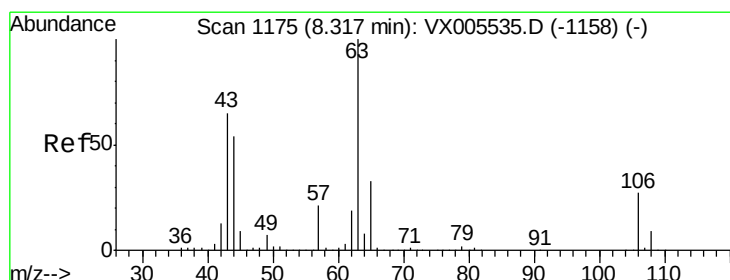
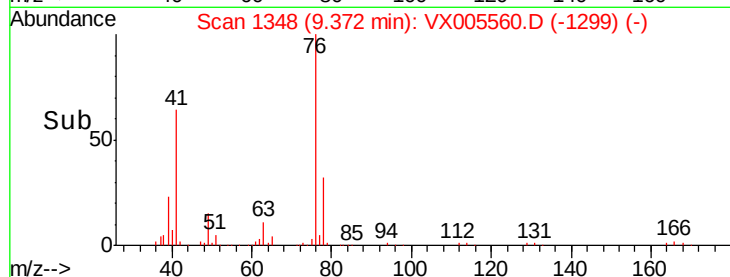
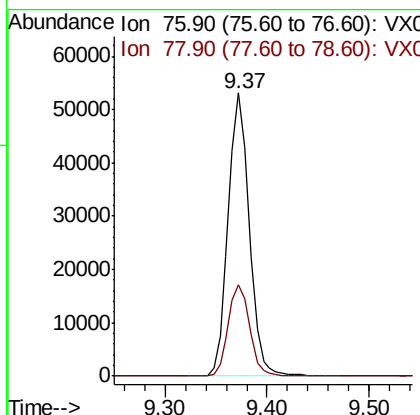
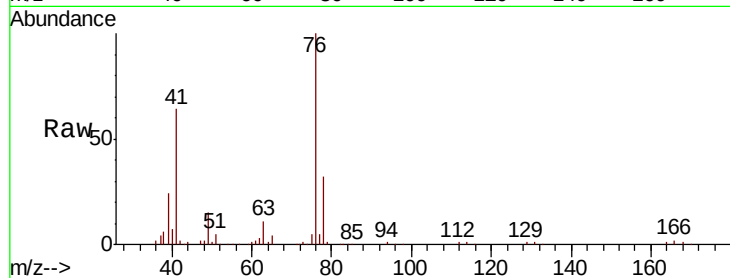
#57
 1,3-Dichloropropane
 Concen: 20.443 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

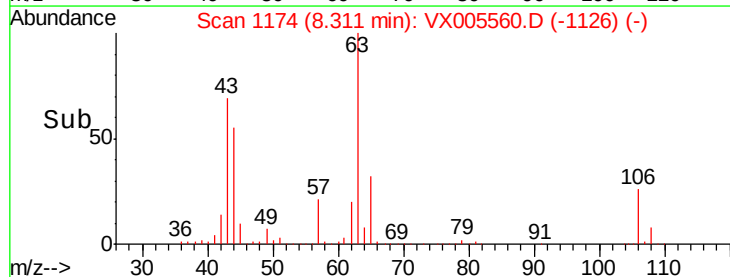
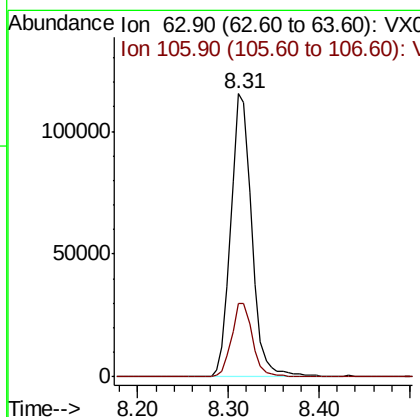
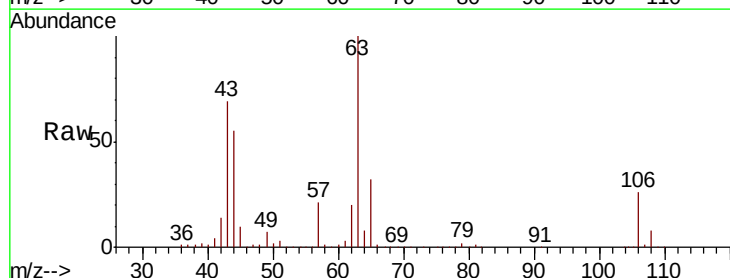
Manual Integrations
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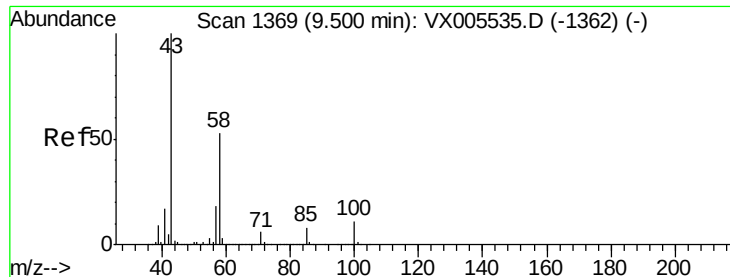
MMDadoda
 10/26/2018 11:54:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.084 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	23.9	35.9





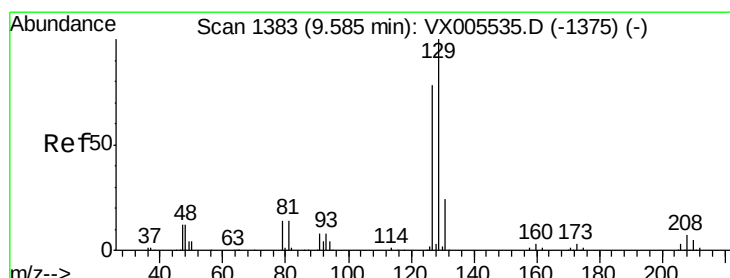
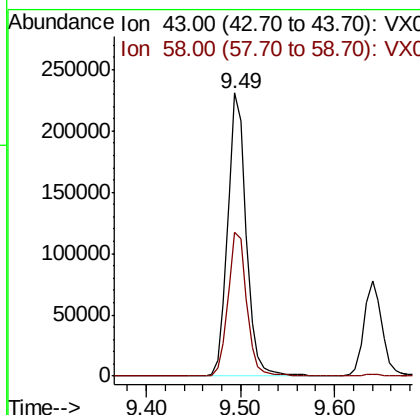
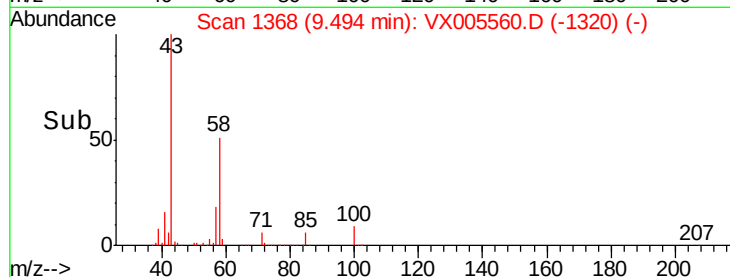
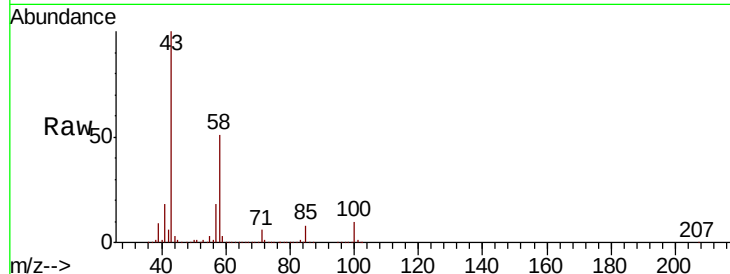
#59
2-Hexanone
Concen: 103.837 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion: 43 Resp: 315237
Ion Ratio Lower Upper
43 100
58 51.7 29.0 87.0

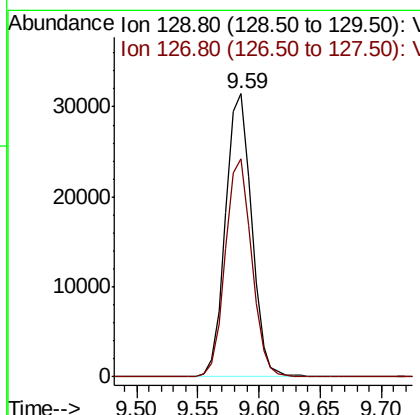
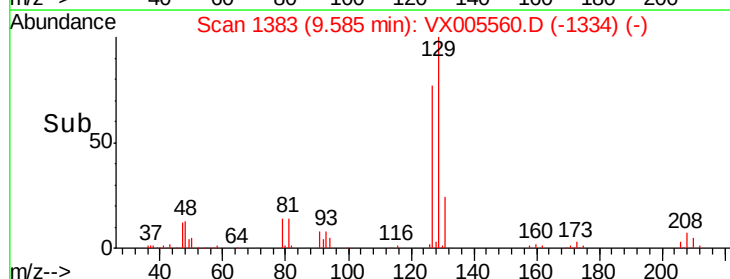
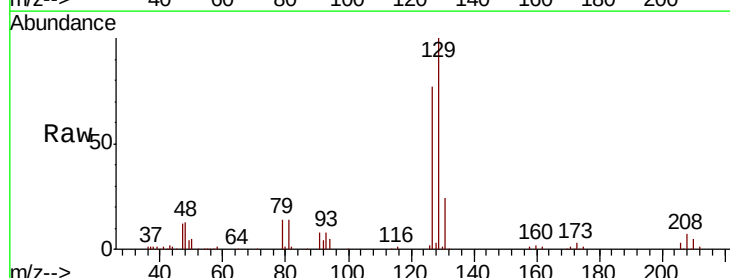
Manual Integrations
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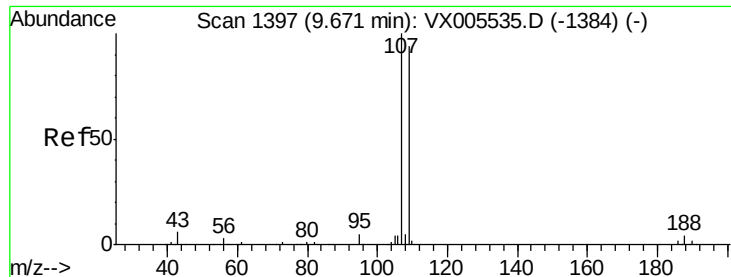
MMDadoda
10/26/2018 11:54:00 AM



#60
Dibromochloromethane
Concen: 20.262 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion: 129 Resp: 46523
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.801 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion:107 Resp: 47359

Ion Ratio Lower Upper

107 100

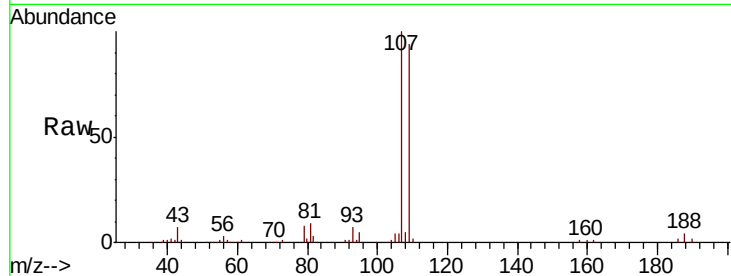
109 95.4 76.0 114.0

Manual Integrations

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MMDadoda

10/26/2018 11:54:00 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

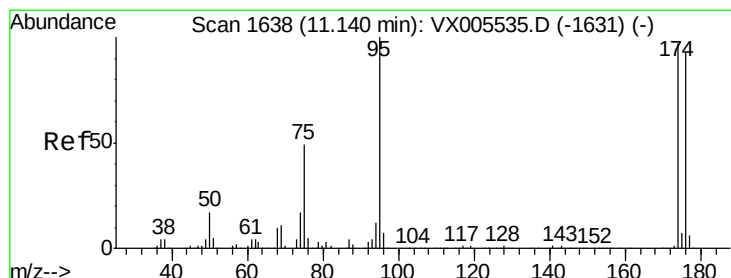
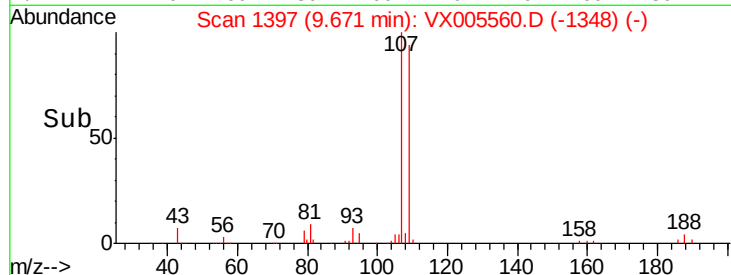
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 49.363 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

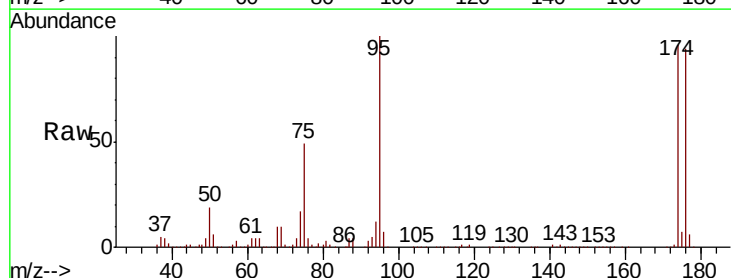
Tgt Ion: 95 Resp: 140030

Ion Ratio Lower Upper

95 100

174 93.0 0.0 185.2

176 90.6 0.0 178.6



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

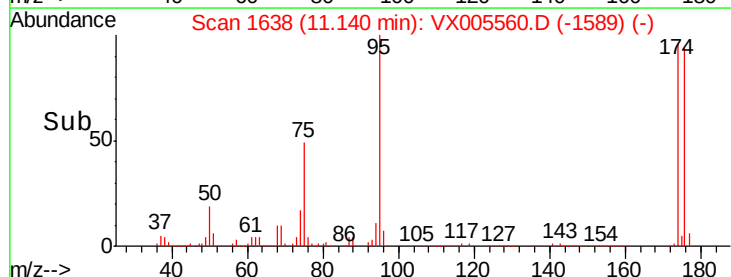
100000

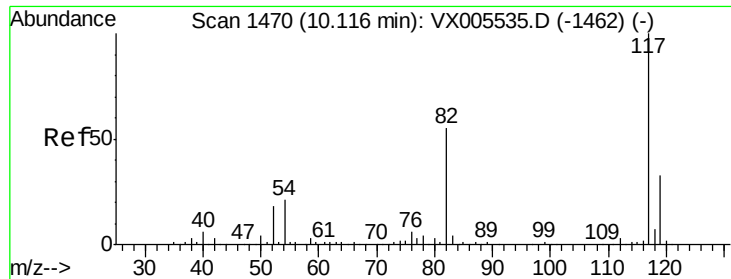
50000

0

Time-->

11.10 11.20





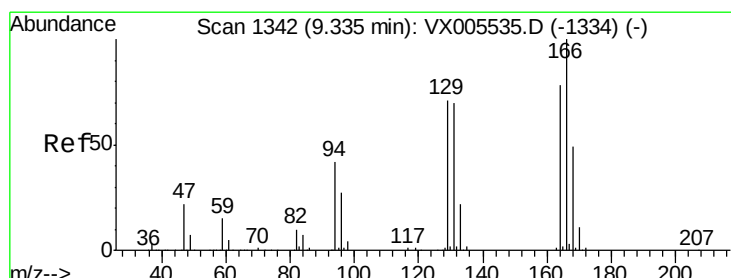
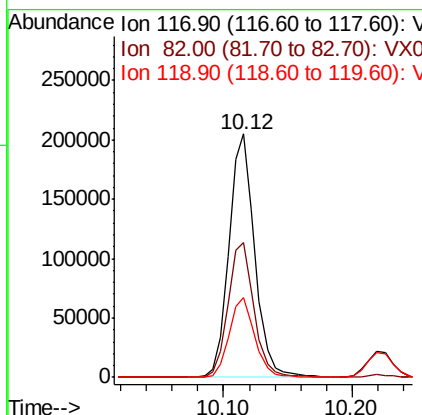
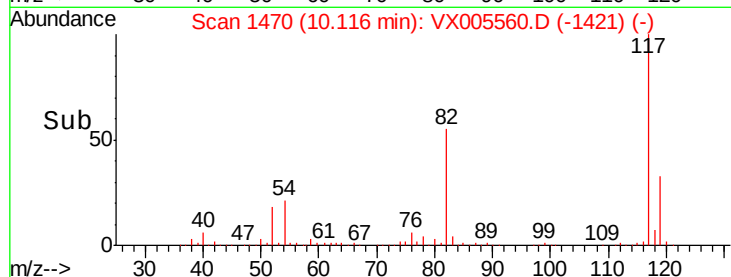
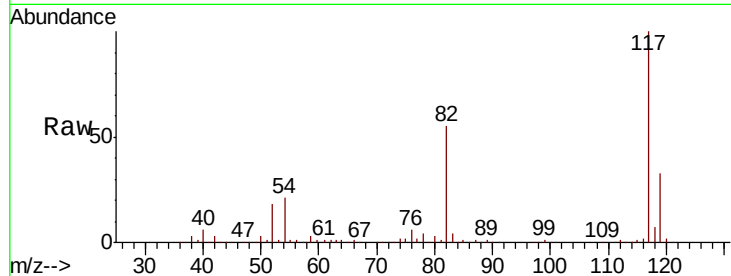
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.8	71.6
119	33.0	29.3	43.9

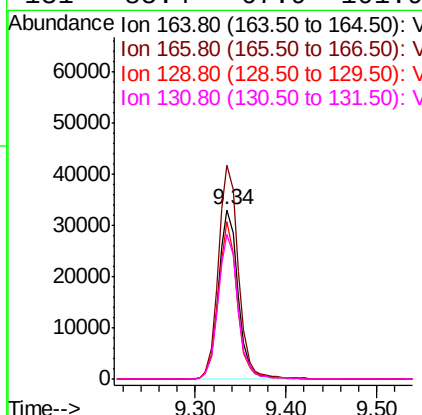
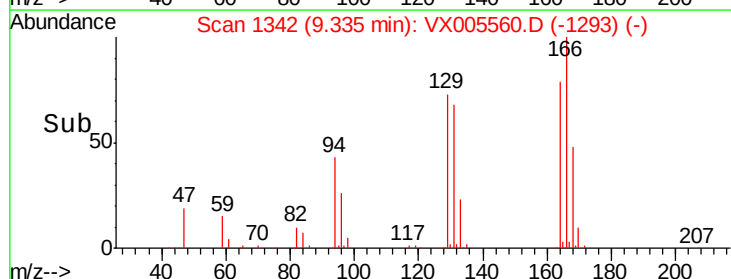
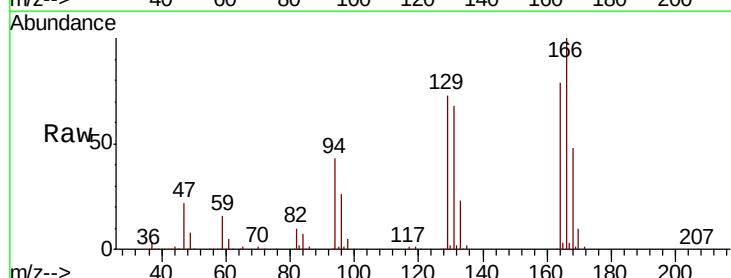
Manual Integrations
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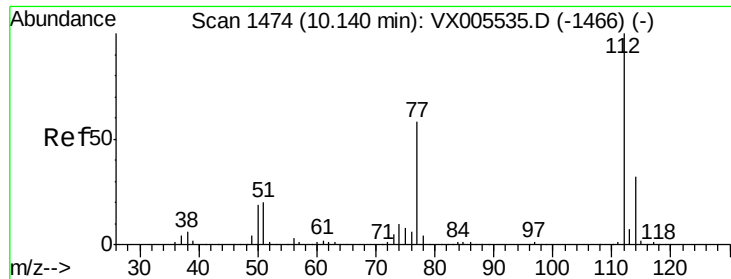
MMDadoda
10/26/2018 11:54:00 AM



#64
Tetrachloroethene
Concen: 20.959 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.8	154.2
129	92.7	69.4	104.0
131	85.4	67.9	101.9





#65

Chlorobenzene

Concen: 19.971 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion:112 Resp: 121990

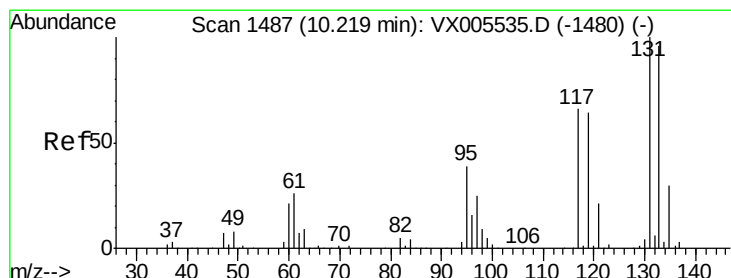
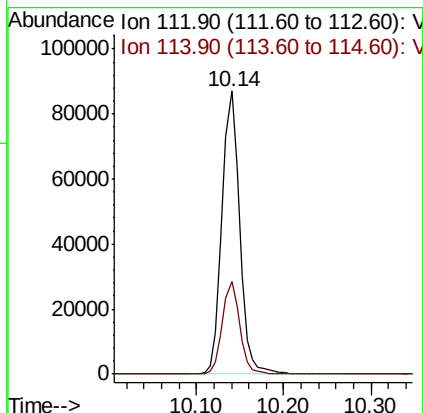
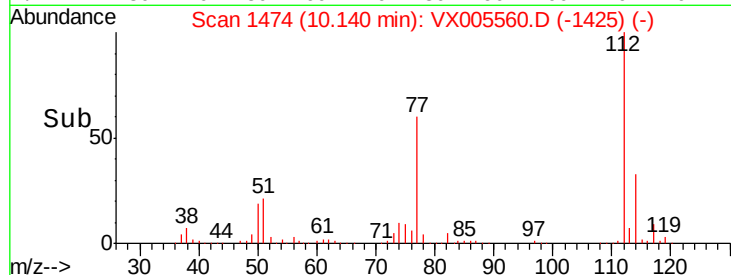
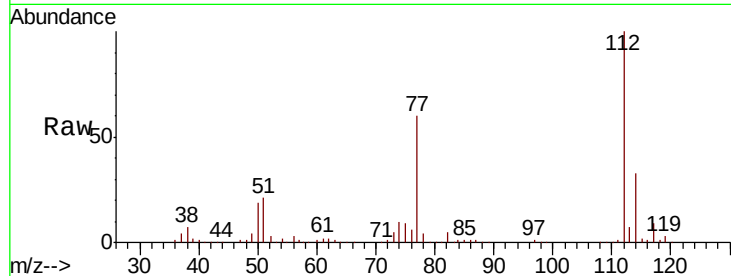
Ion Ratio Lower Upper

112 100

114 32.9 27.8 41.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.978 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

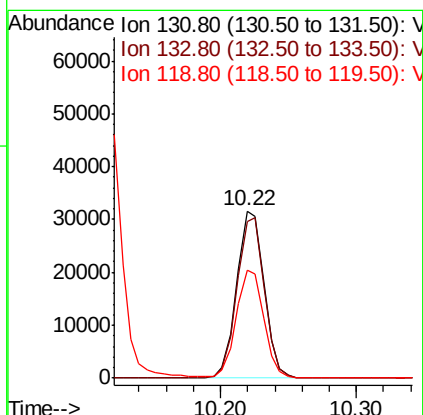
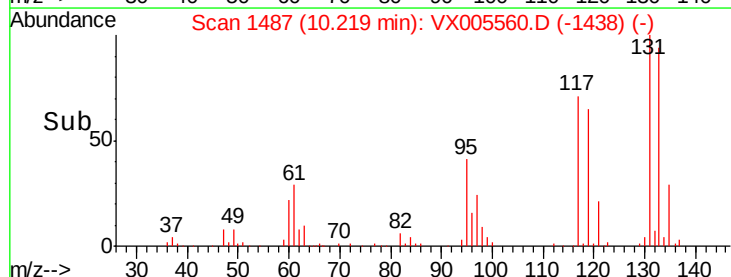
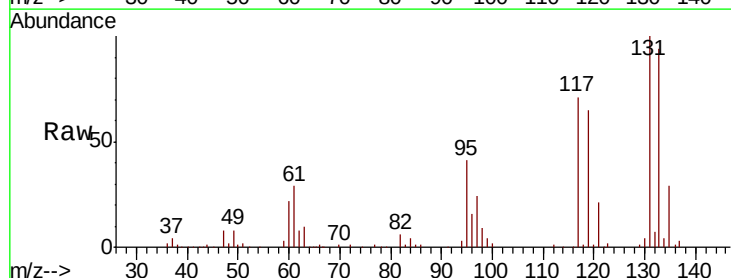
Tgt Ion:131 Resp: 44497

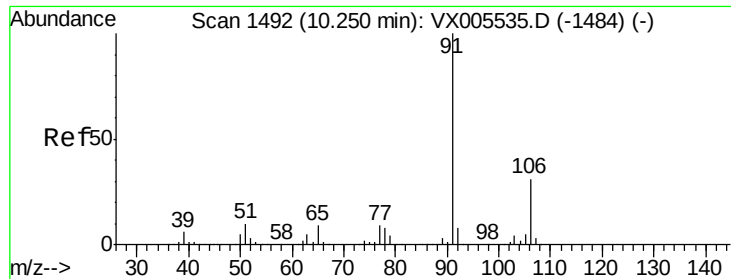
Ion Ratio Lower Upper

131 100

133 95.6 48.1 144.4

119 65.0 32.9 98.6





#67

Ethyl Benzene

Concen: 20.429 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion: 91 Resp: 205305

Ion Ratio Lower Upper

91 100

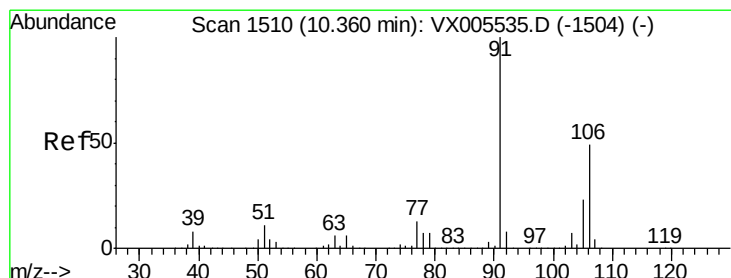
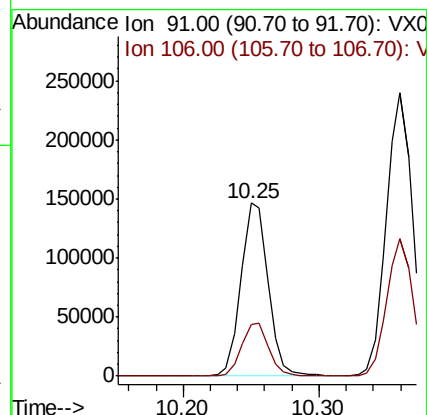
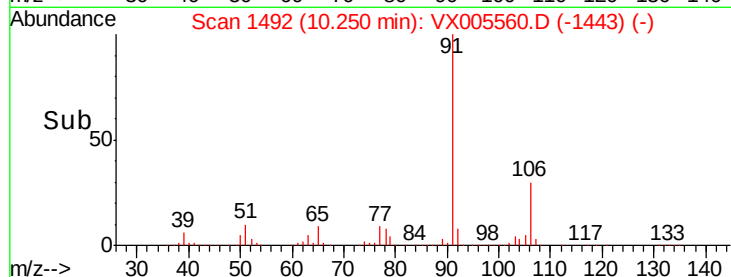
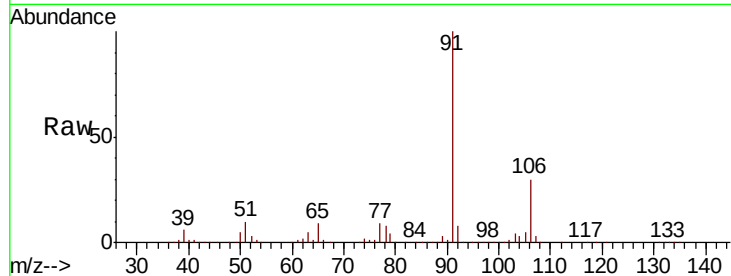
106 30.1 25.9 38.9

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#68

m/p-Xylenes

Concen: 41.049 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005560.D

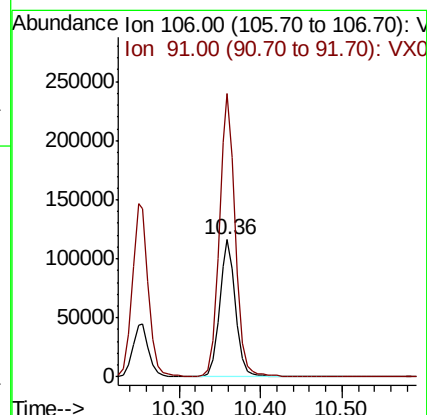
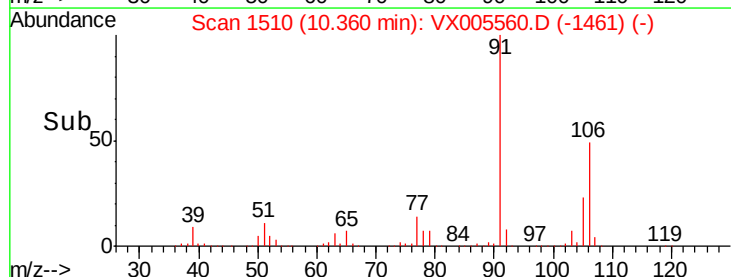
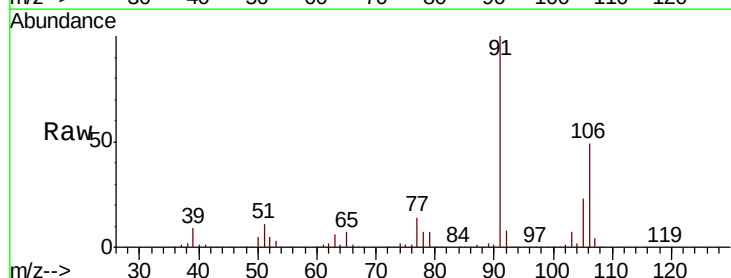
Acq: 25 Oct 2018 00:31

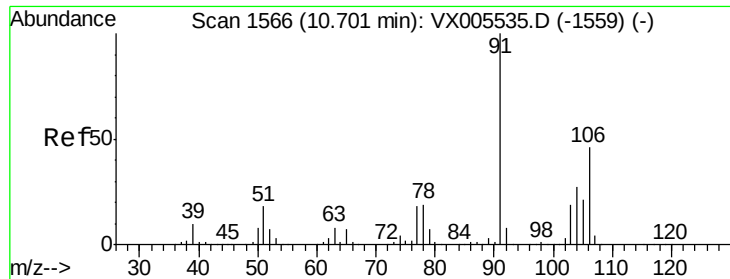
Tgt Ion: 106 Resp: 160052

Ion Ratio Lower Upper

106 100

91 205.9 157.1 235.7





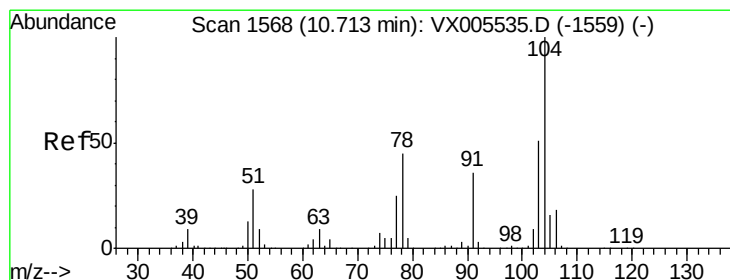
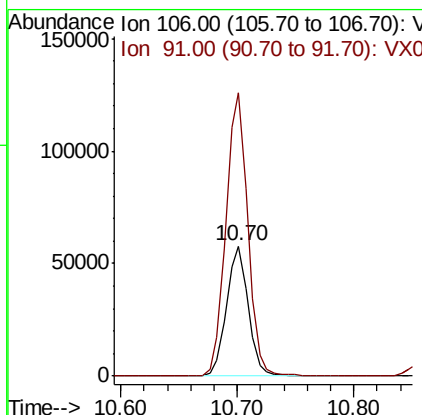
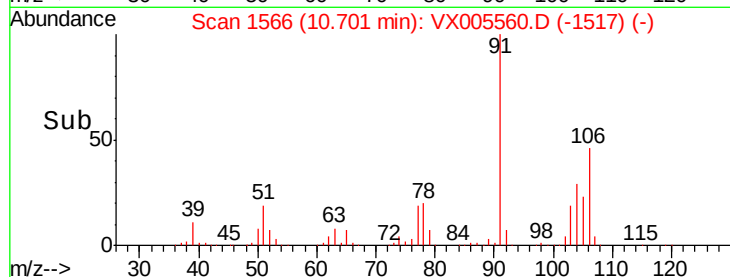
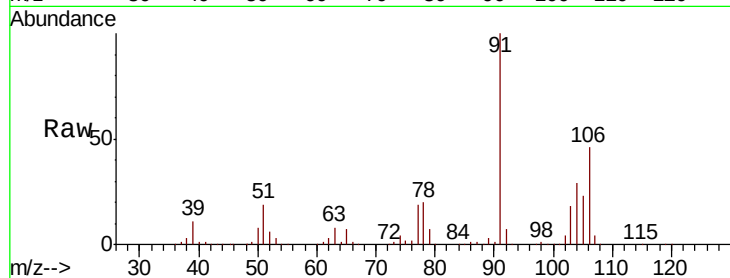
#69
o-Xylene
Concen: 20.455 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion:106 Resp: 75034
Ion Ratio Lower Upper
106 100
91 219.6 105.1 315.1

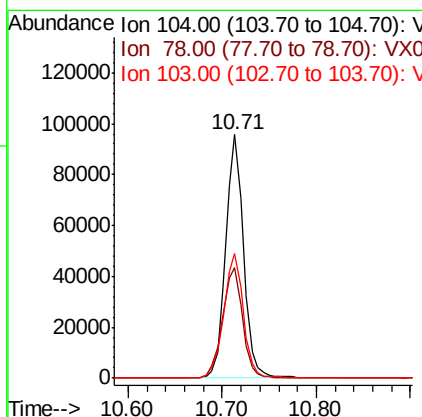
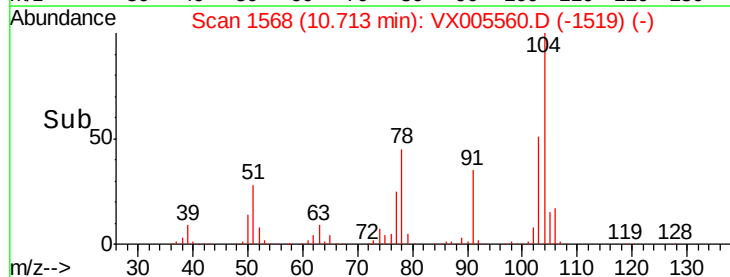
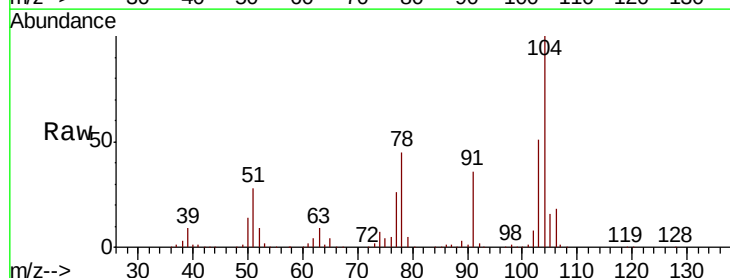
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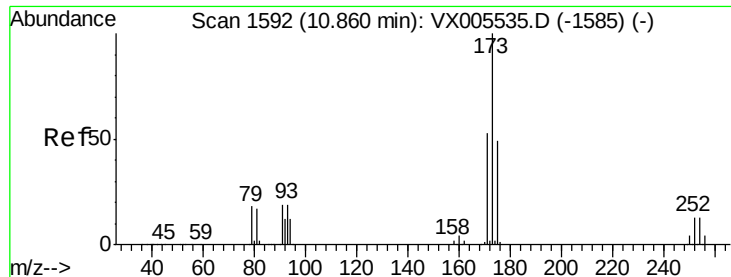
MMDadoda
10/26/2018 11:54:00 AM



#70
Styrene
Concen: 20.623 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion:104 Resp: 126642
Ion Ratio Lower Upper
104 100
78 51.2 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 19.238 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion:173 Resp: 38235

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.3

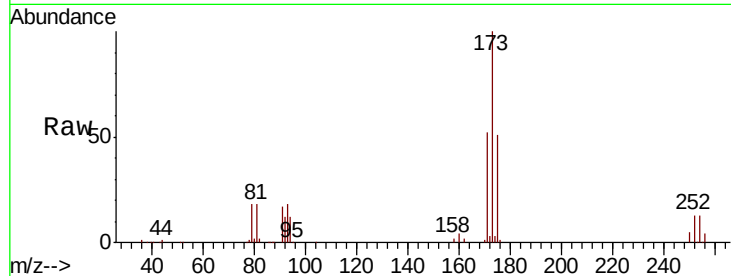
254 0.1 0.2 0.2#

Manual Integrations

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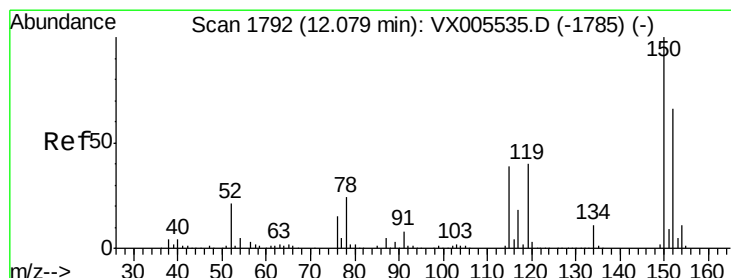
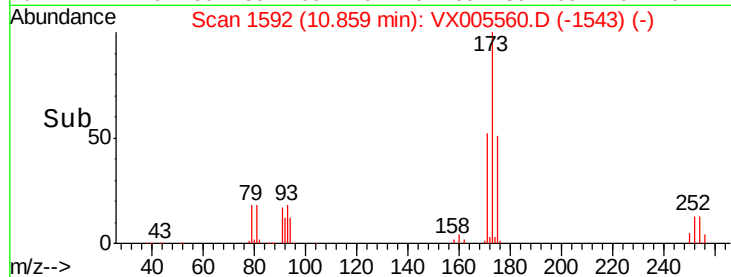
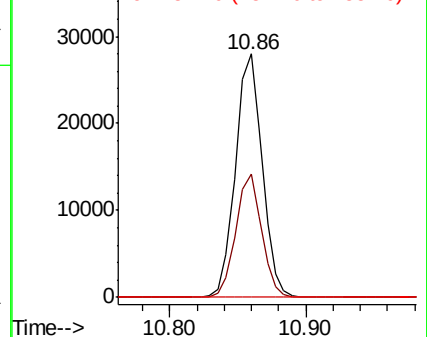
10/26/2018 11:54:00 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

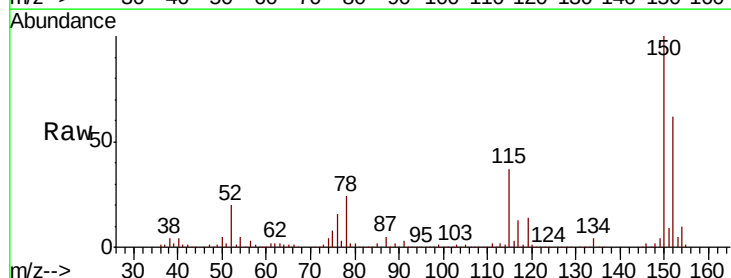
Tgt Ion:152 Resp: 156349

Ion Ratio Lower Upper

152 100

115 65.3 39.0 117.0

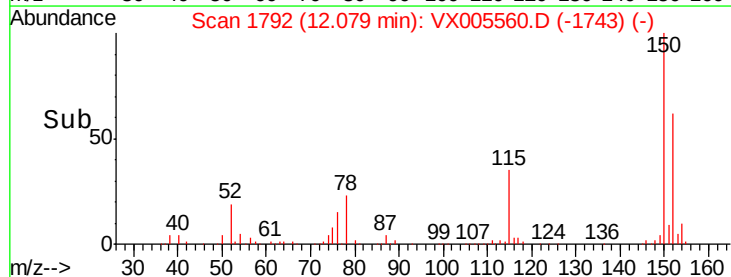
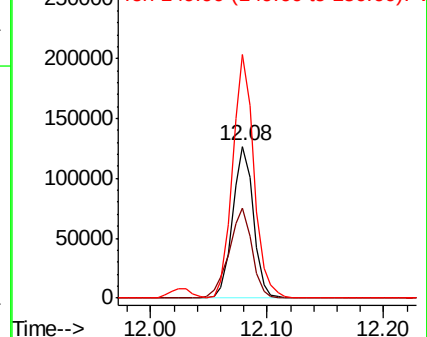
150 165.2 0.0 351.0

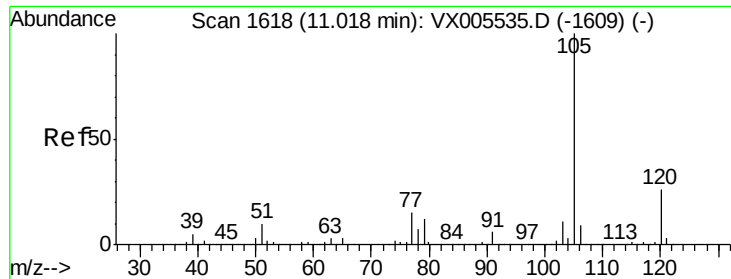


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





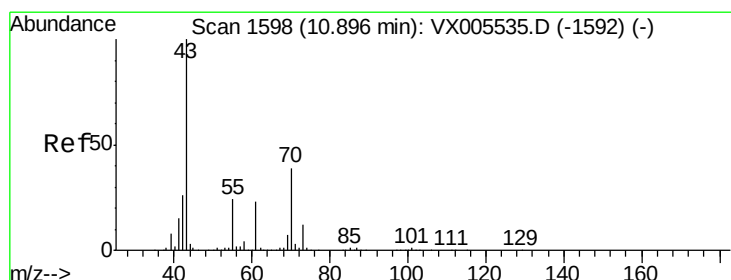
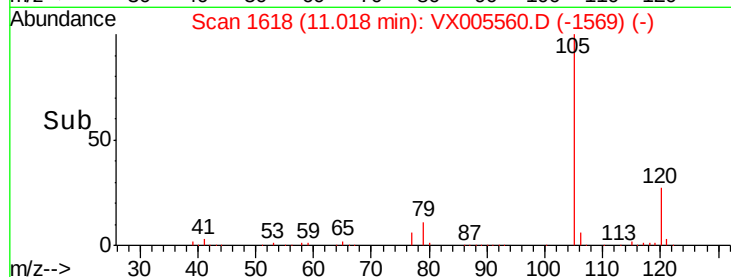
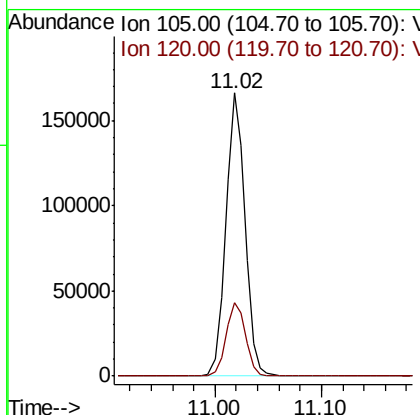
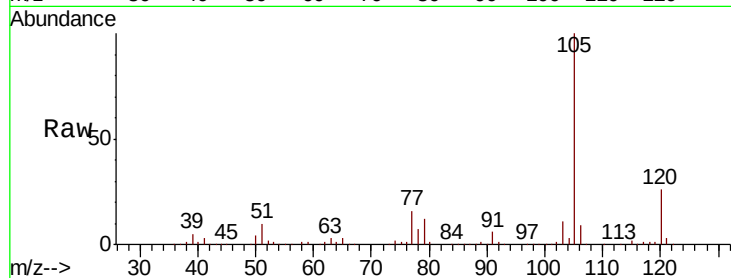
#73
Isopropylbenzene
Concen: 21.890 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

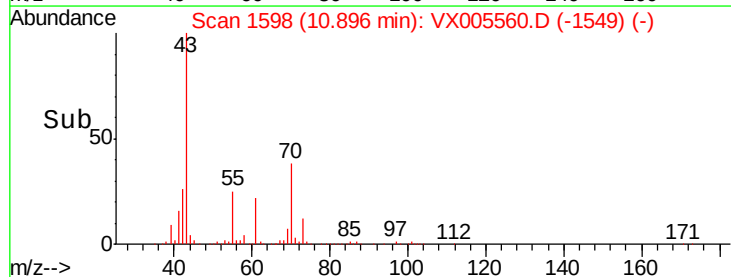
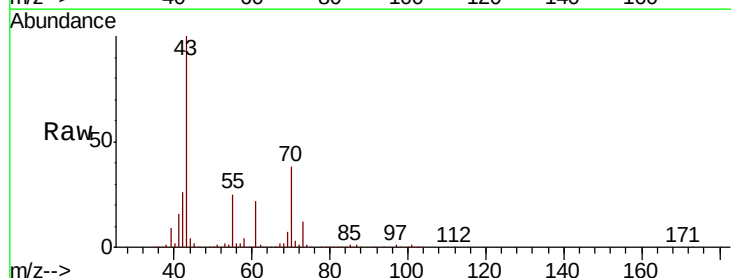
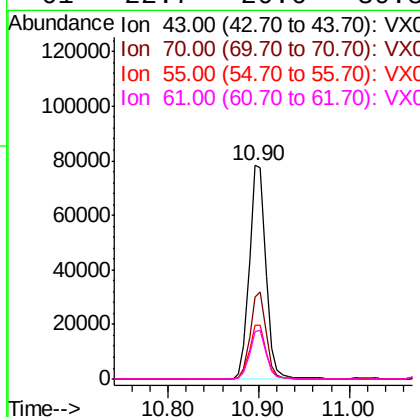
Manual Integrations
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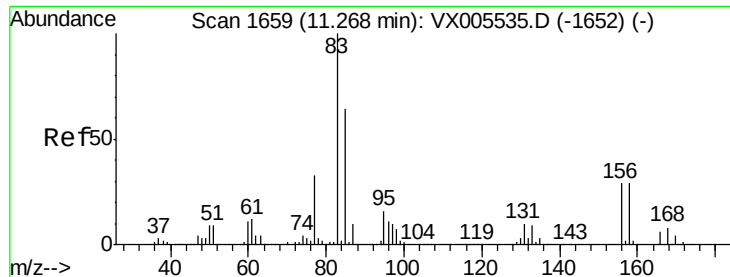
MMDadoda
10/26/2018 11:54:00 AM



#74
N-ethyl acetate
Concen: 20.843 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	37.4	56.0
55	25.4	21.8	32.8
61	22.7	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.353 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

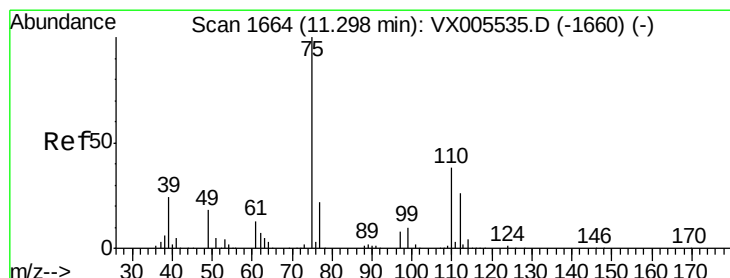
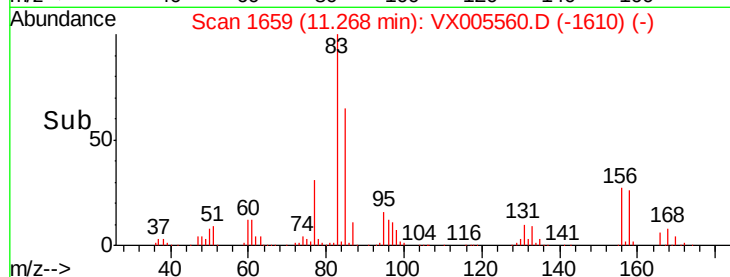
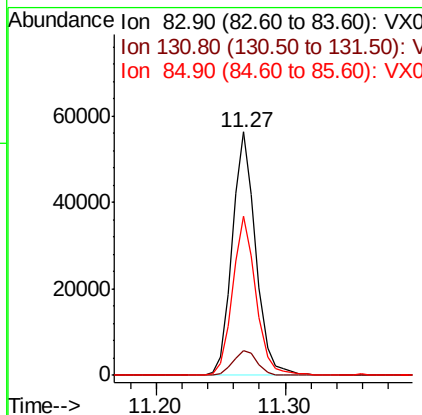
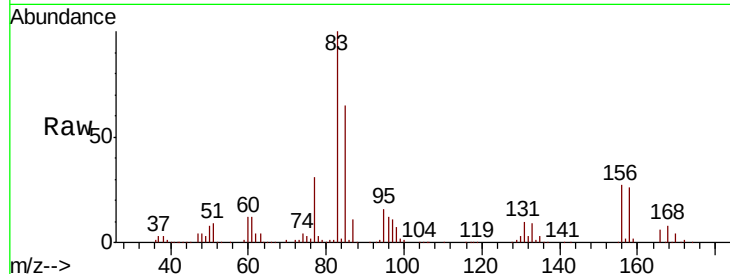
ClientSampleId :

VX1024WBSD02

Tot Ion:	83	Resp:	71764
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.849 ug/l m

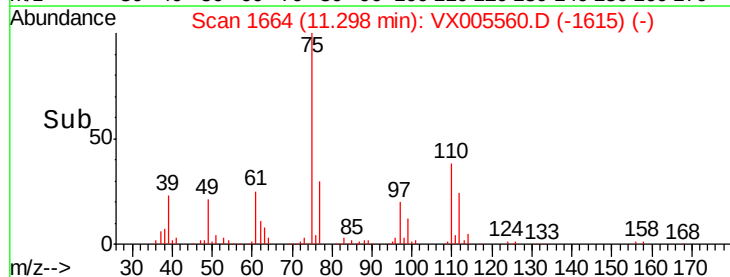
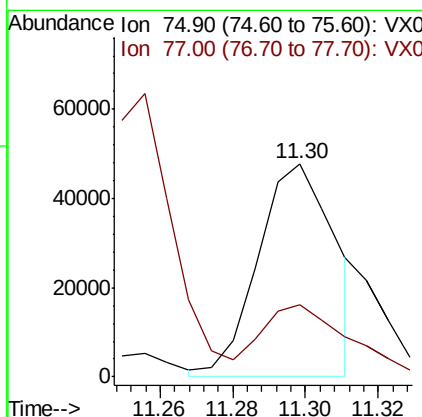
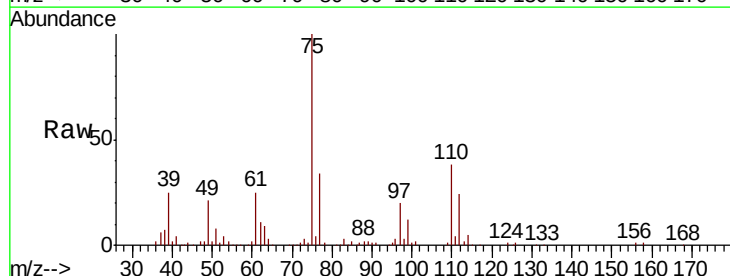
RT: 11.30 min Scan# 1664

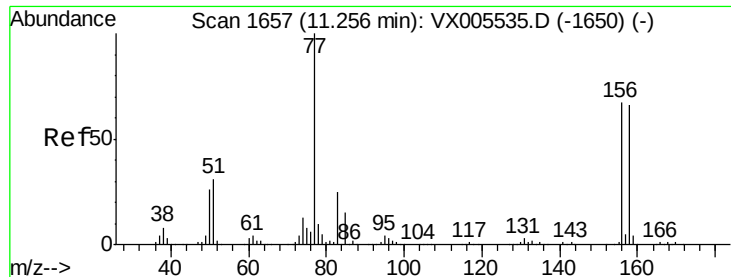
Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Tgt Ion:	75	Resp:	69579
Ion	Ratio	Lower	Upper
75	100		
77	38.9	20.2	60.6





#77

Bromobenzene

Concen: 21.176 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

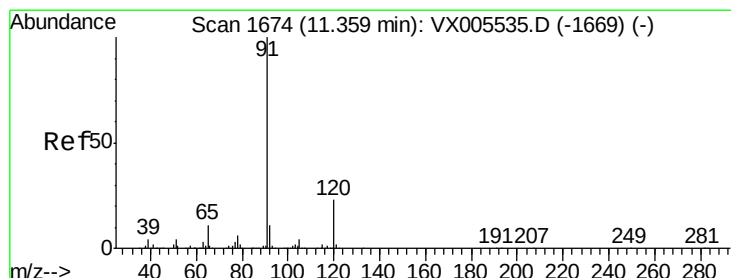
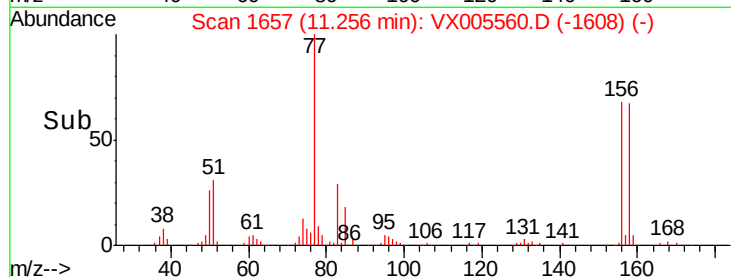
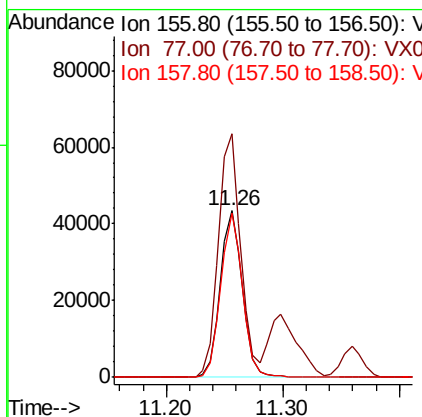
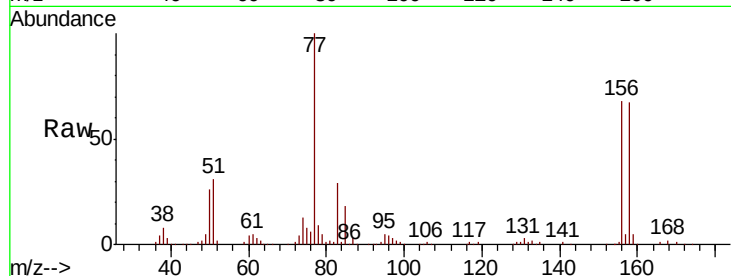
ClientSampleId :

VX1024WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	147.9	71.5	214.3	
158	97.6	48.9	146.8	

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#78

n-propylbenzene

Concen: 21.830 ug/l

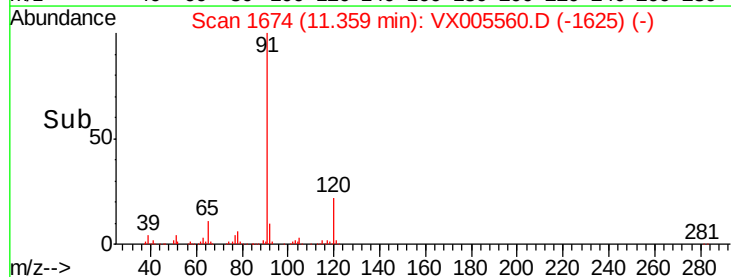
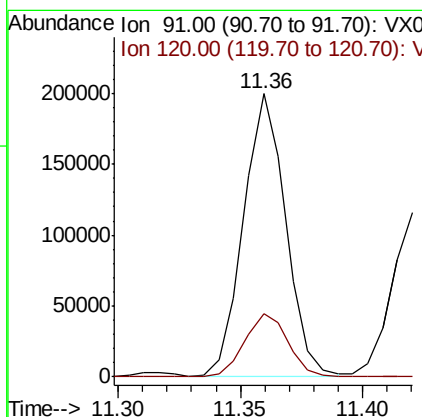
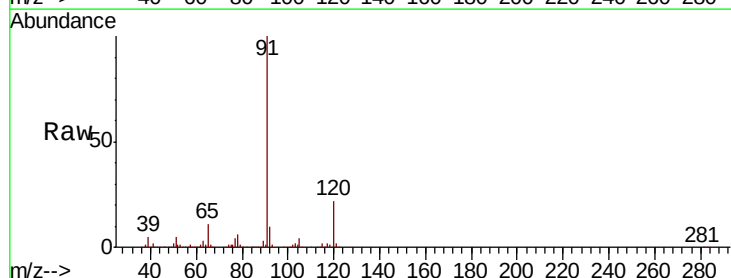
RT: 11.36 min Scan# 1674

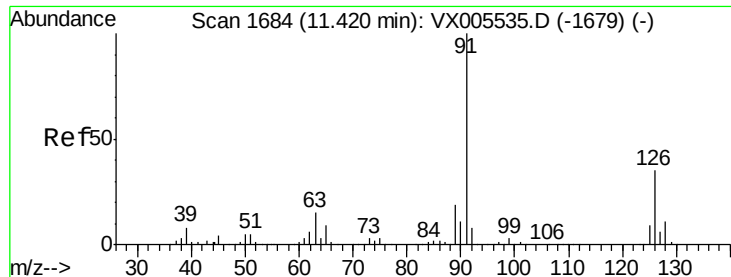
Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.9	35.9	





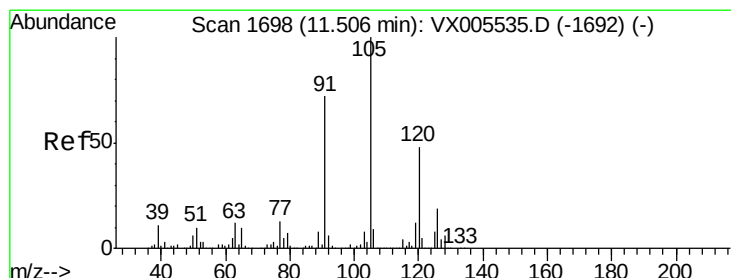
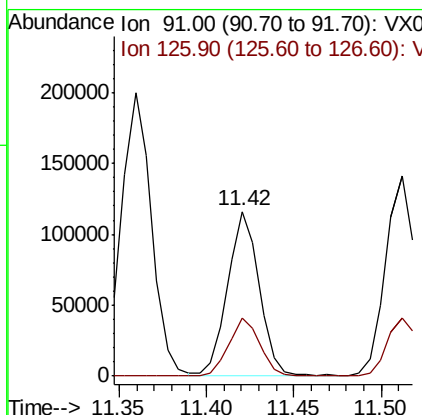
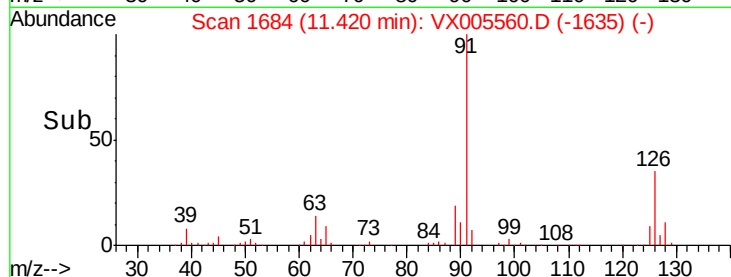
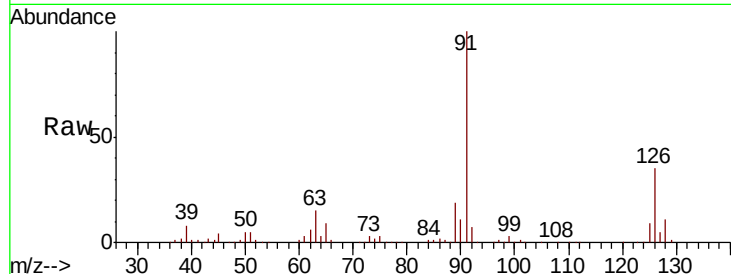
#79
 2-Chlorotoluene
 Concen: 21.361 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion: 91 Resp: 144738
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.7

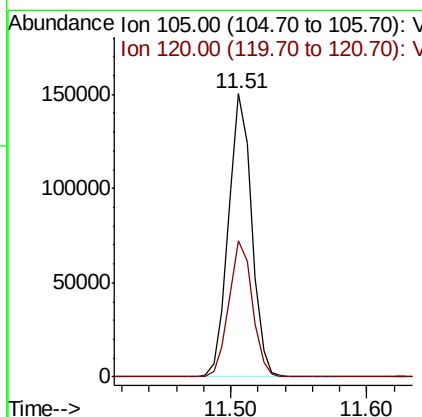
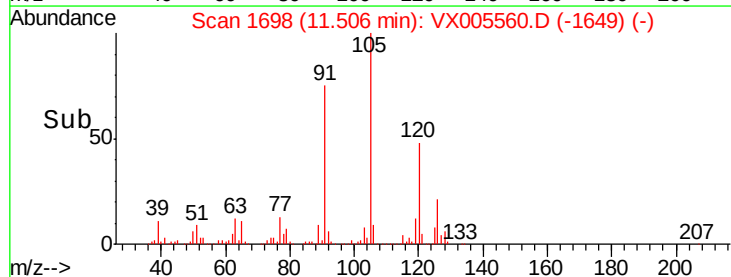
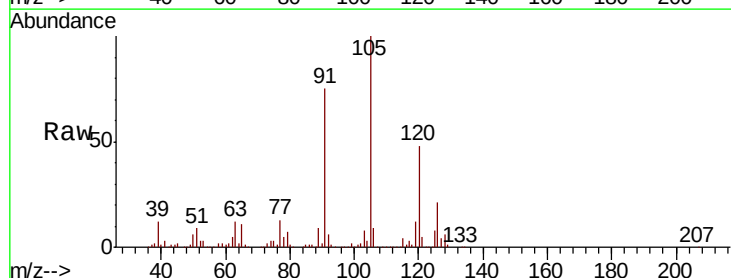
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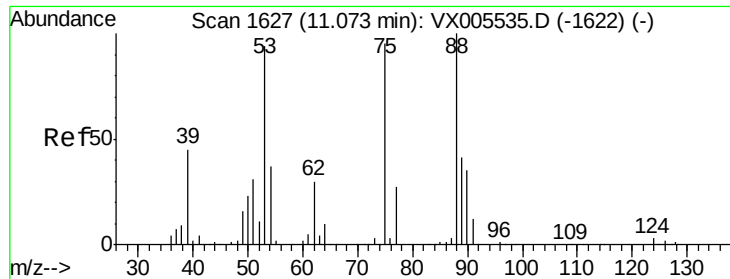
MMDadoda
 10/26/2018 11:54:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.787 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion: 105 Resp: 178131
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.592 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion: 75 Resp: 18849

Ion Ratio Lower Upper

75 100

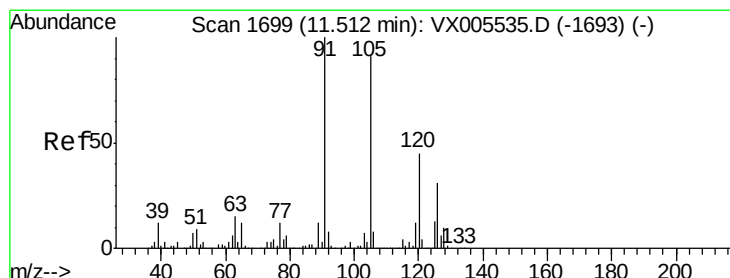
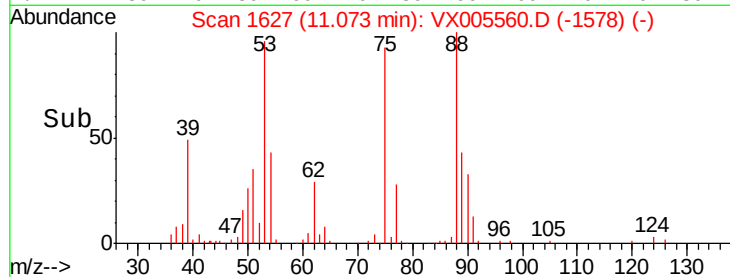
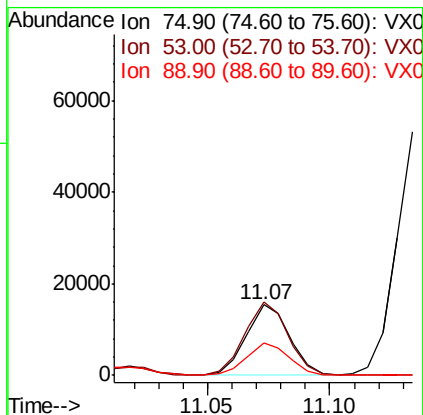
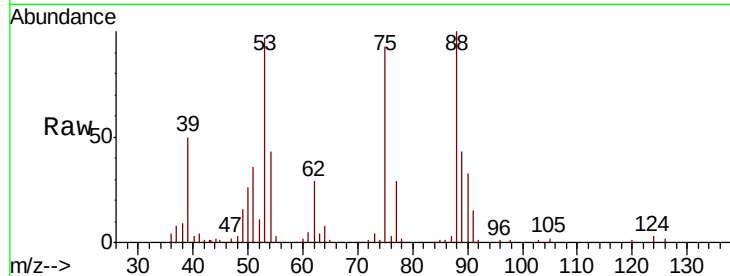
53 104.0 80.1 120.1

89 46.0 37.2 55.8

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#82

4-Chlorotoluene

Concen: 21.586 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005560.D

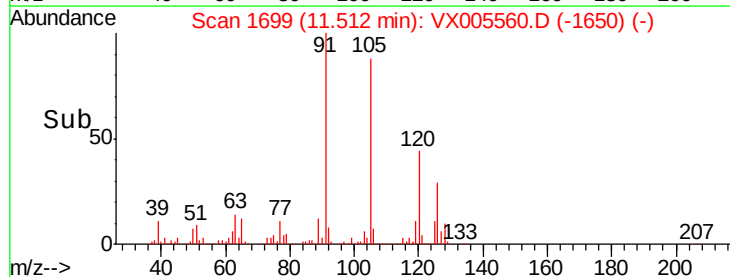
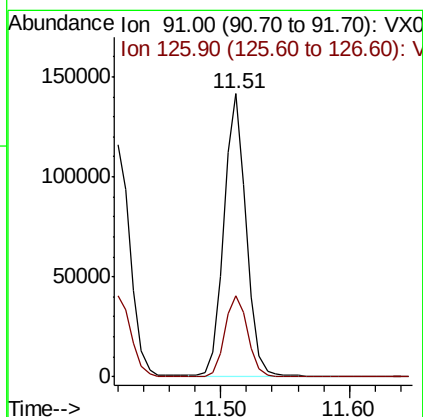
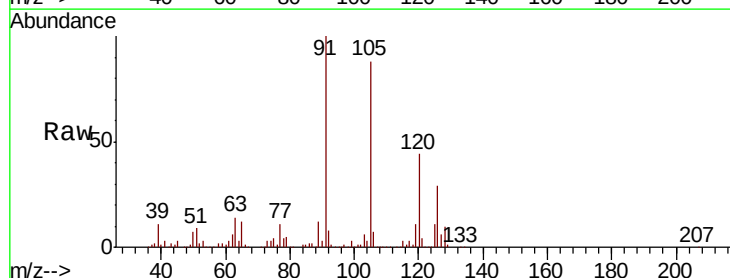
Acq: 25 Oct 2018 00:31

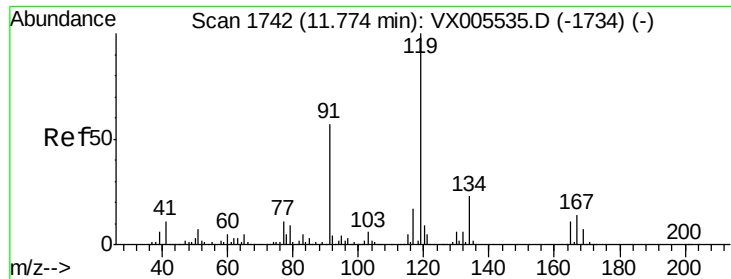
Tgt Ion: 91 Resp: 172472

Ion Ratio Lower Upper

91 100

126 29.7 15.5 46.5





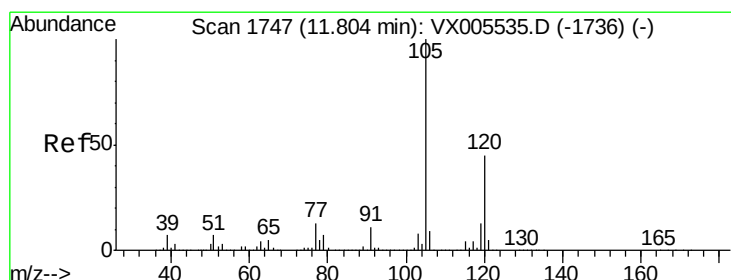
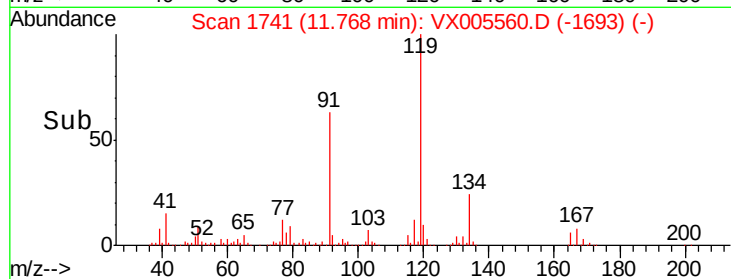
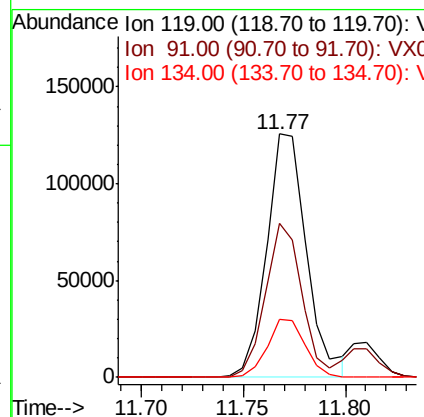
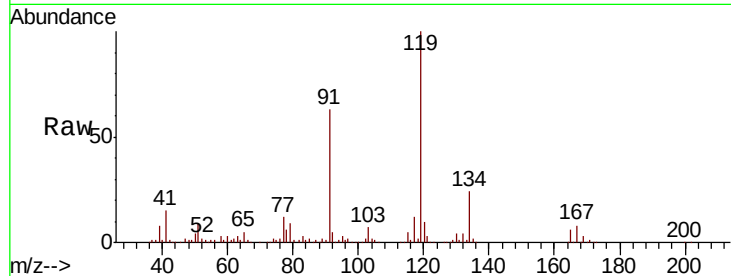
#83
 tert-Butylbenzene
 Concen: 21.027 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171363		
91	58.0	27.0	81.0	
134	22.8	11.7	35.1	

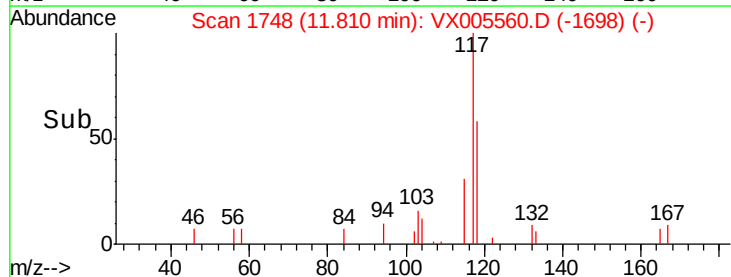
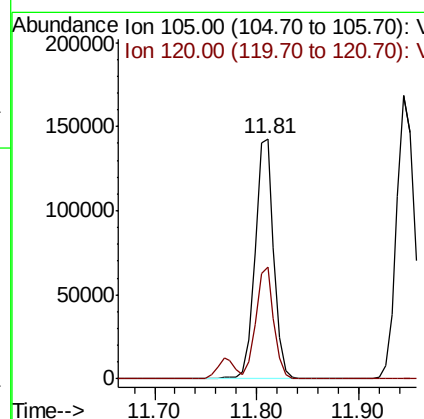
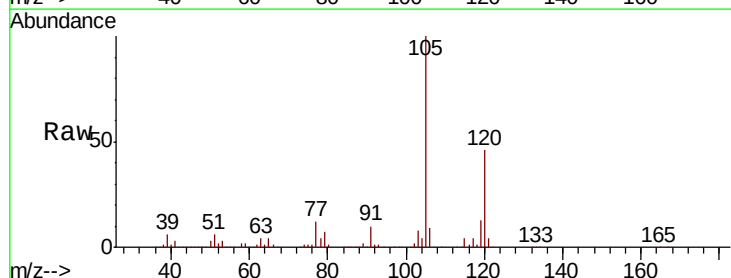
Manual Integrations
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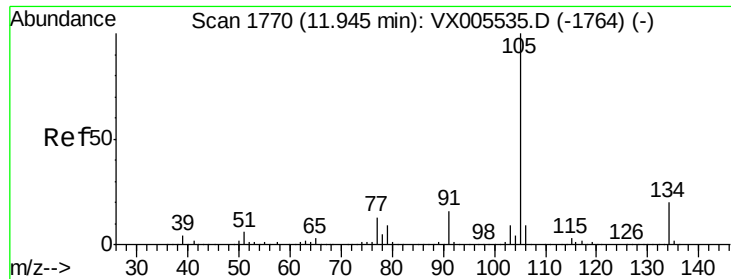
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.068 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182859		
120	44.7	23.2	69.6	





#85

sec-Butylbenzene

Concen: 21.391 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBSD02

Tot Ion:105 Resp: 208023

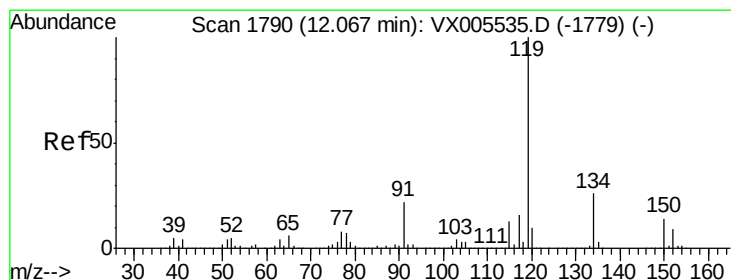
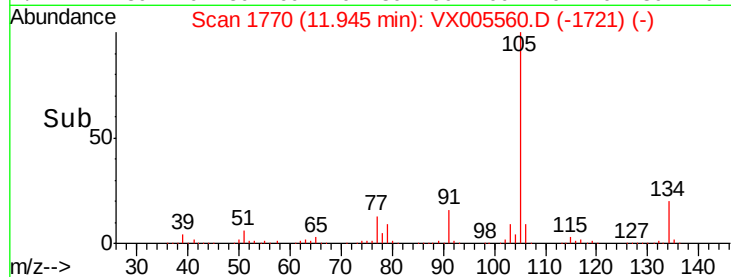
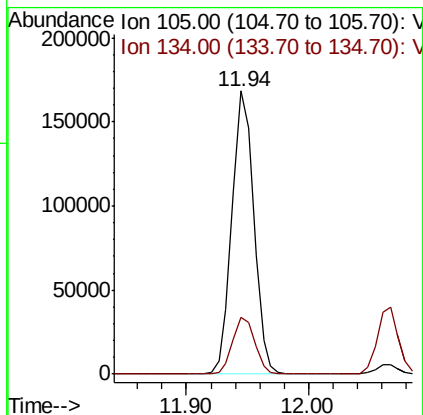
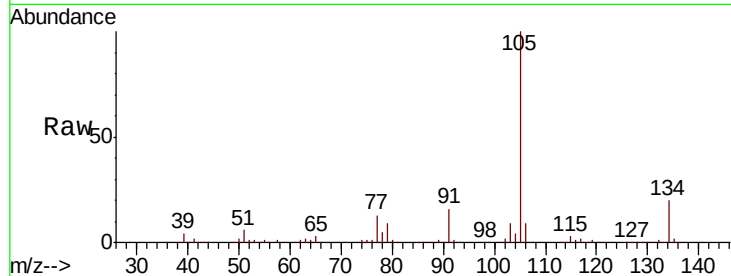
Ion Ratio Lower Upper

105 100

134 20.3 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.701 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

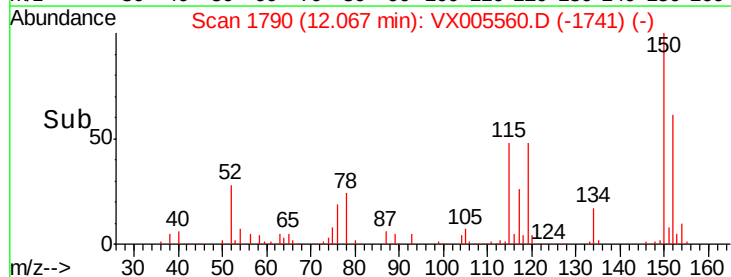
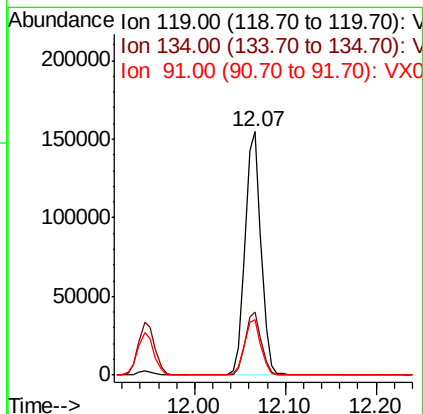
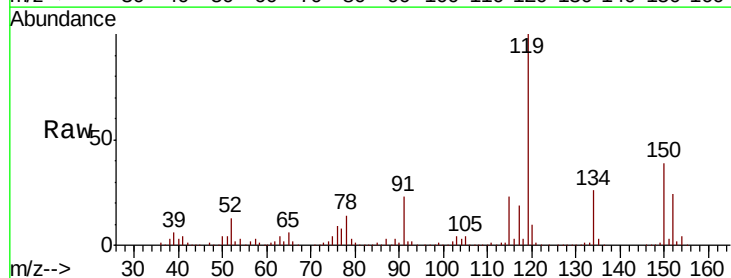
Tgt Ion:119 Resp: 188651

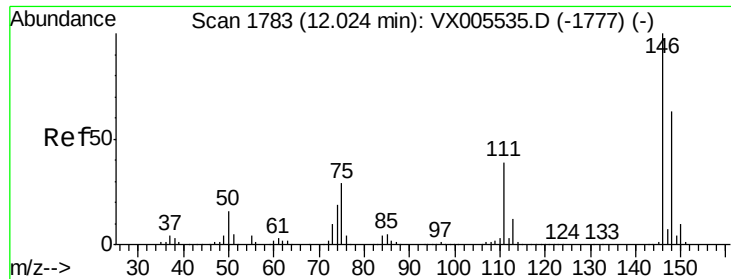
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

91 23.5 10.9 32.7





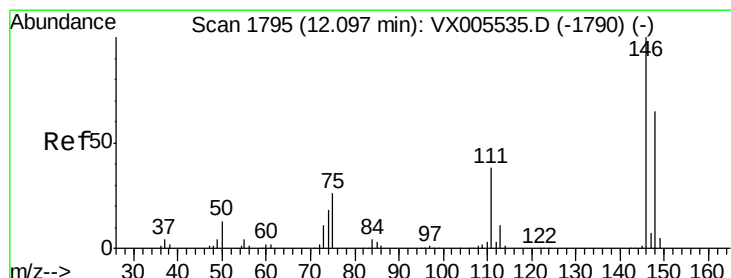
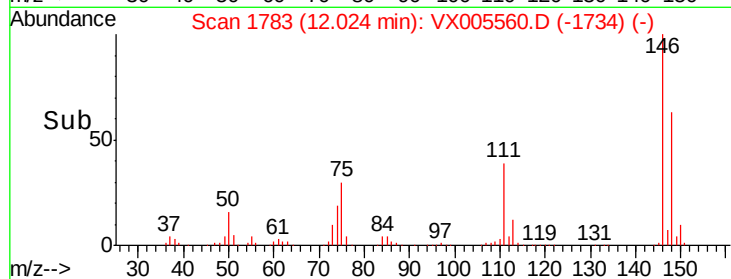
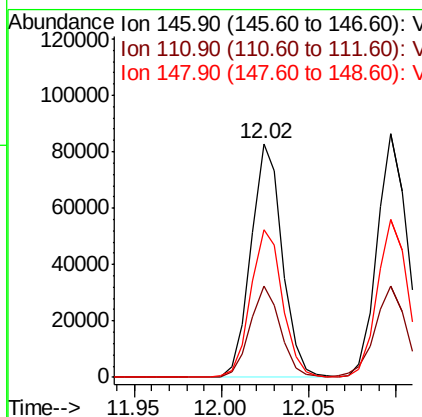
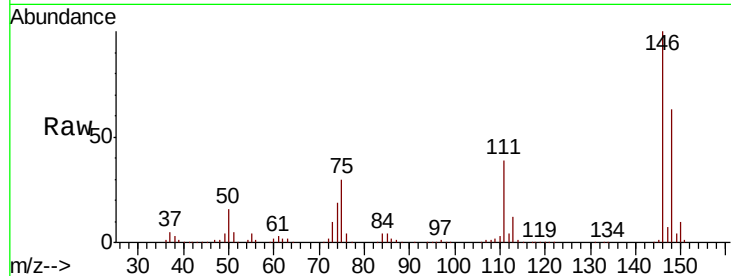
#87
 1,3-Dichlorobenzene
 Concen: 20.596 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	63.9	32.1	96.5

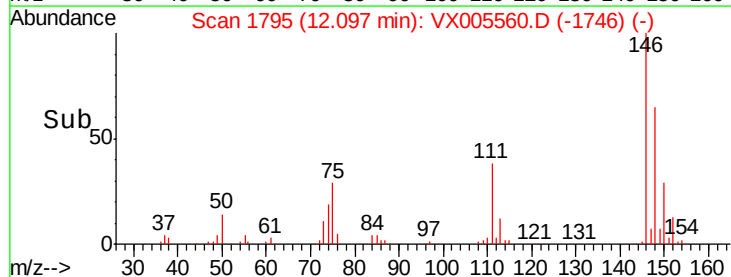
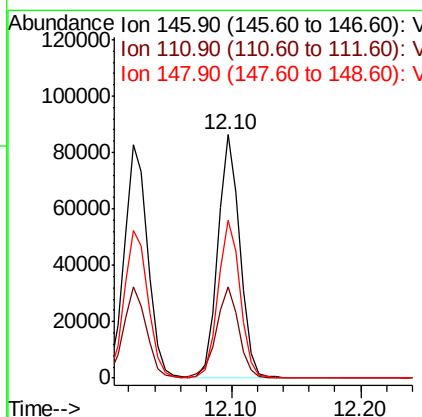
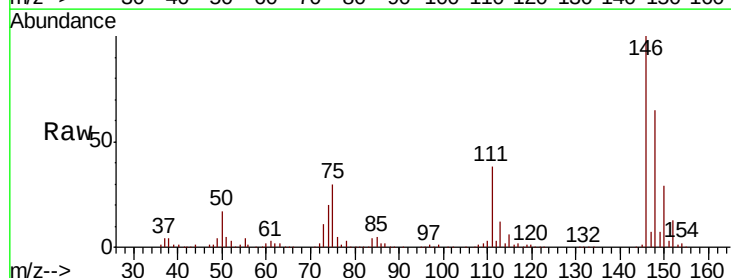
Manual Integrations
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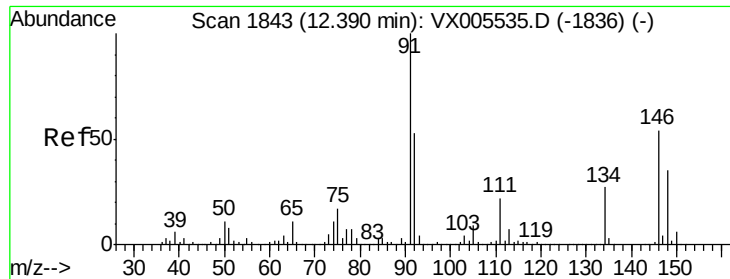
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 10/26/2018 11:54:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.876 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.1
148	65.2	32.0	96.0





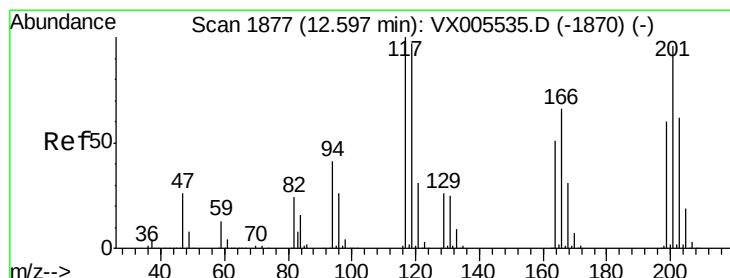
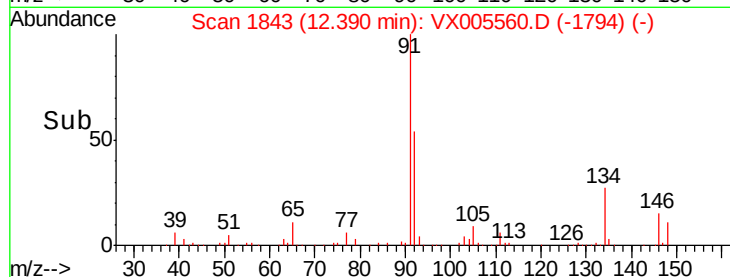
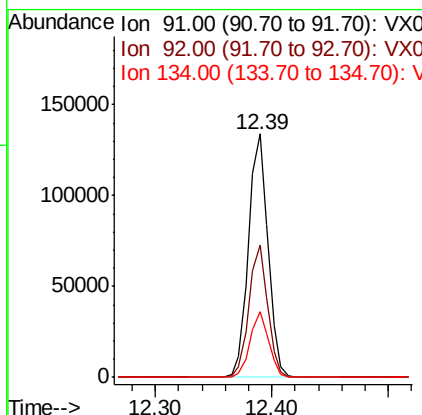
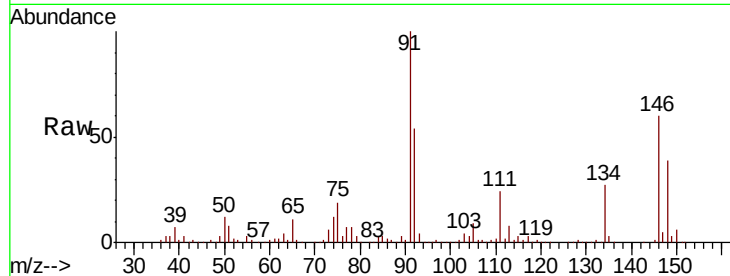
#89
n-Butylbenzene
Concen: 20.108 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.3	81.9
134	25.8	13.6	40.7

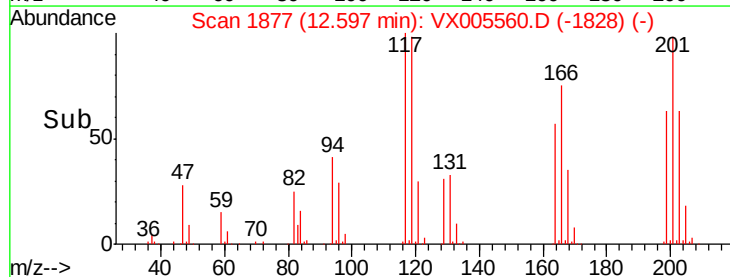
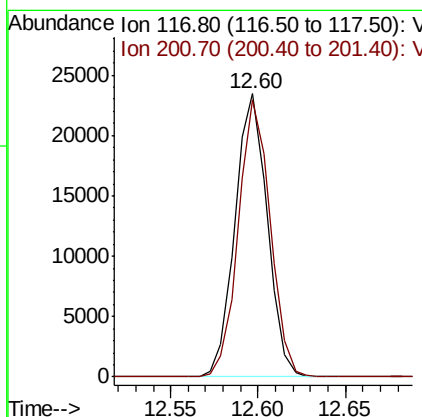
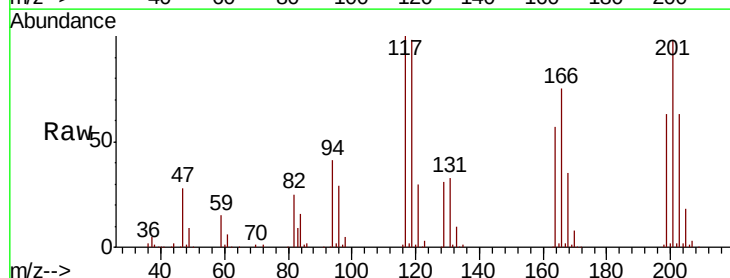
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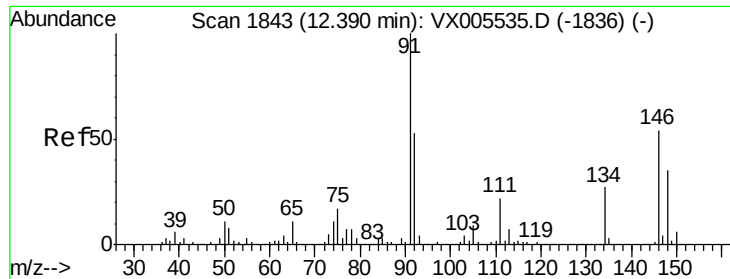
MMDadoda
10/26/2018 11:54:00 AM



#90
Hexachloroethane
Concen: 20.051 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.4	46.9	140.6





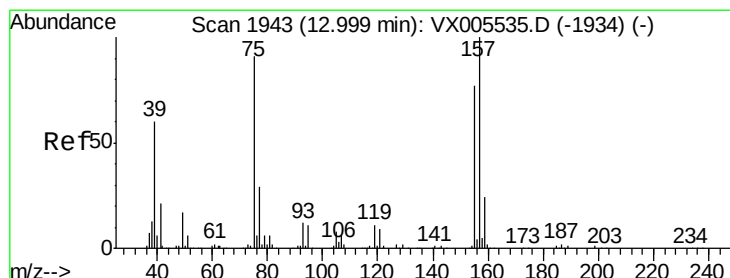
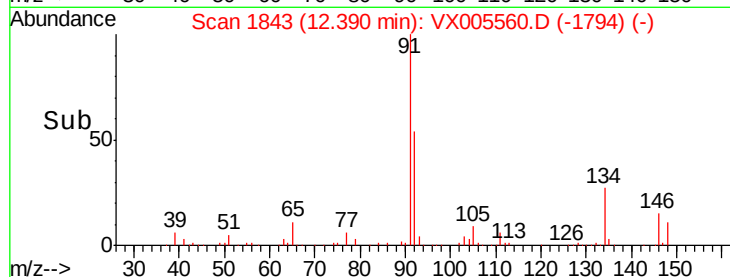
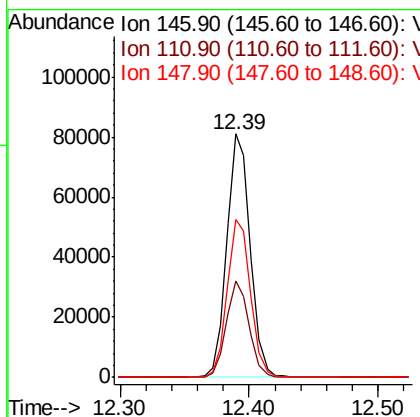
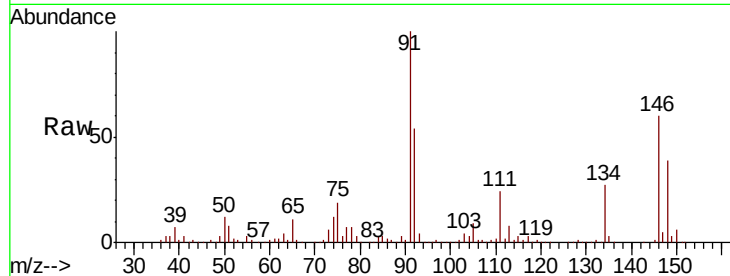
#91
 1,2-Dichlorobenzene
 Concen: 20.381 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.8	32.8	98.3

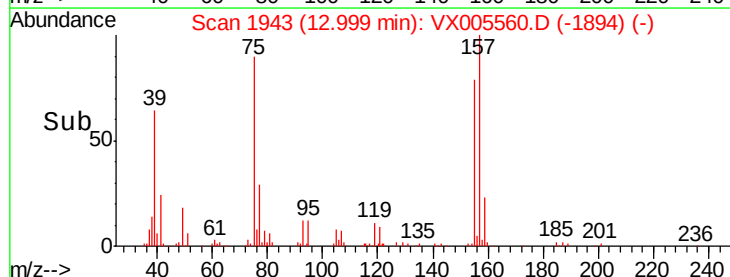
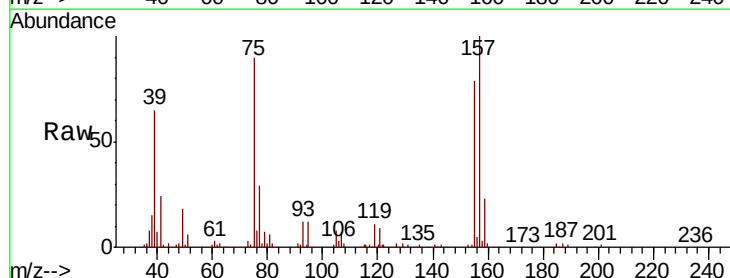
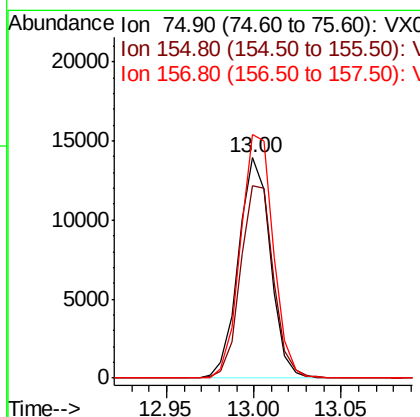
Manual Integrations
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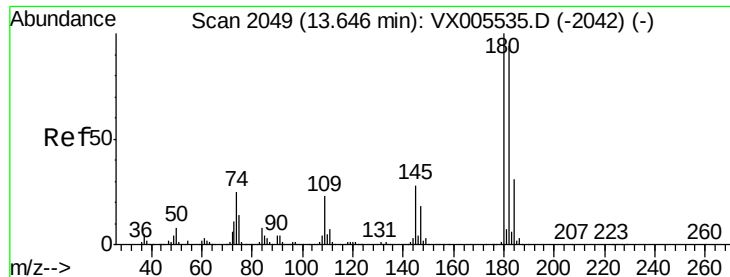
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.708 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005560.D
 Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	48.0	144.2
157	113.5	61.4	184.1





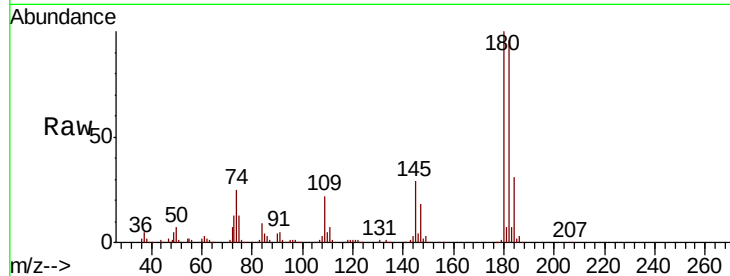
#93
1,2,4-Trichlorobenzene
Concen: 19.841 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.4	145.0
145	29.0	14.3	42.9

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10/26/2018 11:54:00 AM

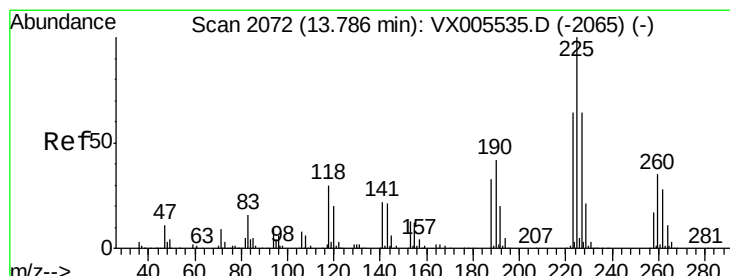
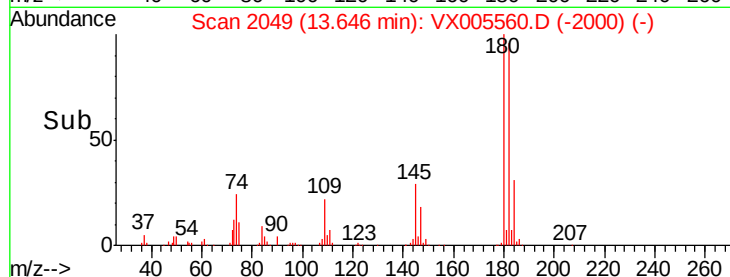
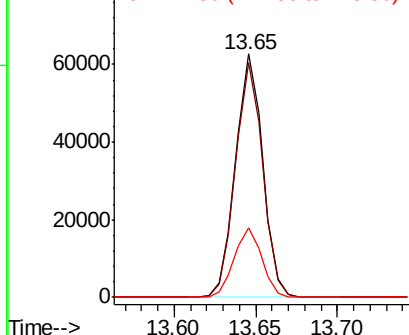


Abundance

Ion 179.80 (179.50 to 180.50): V

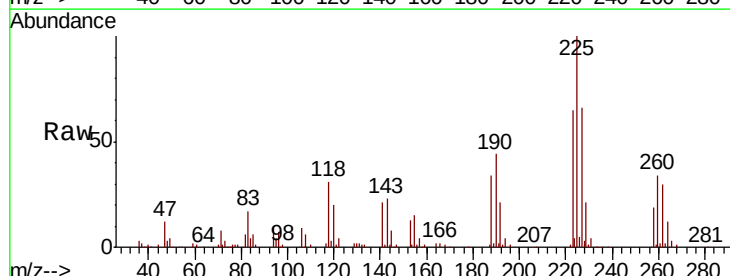
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.067 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005560.D
Acq: 25 Oct 2018 00:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	30.1	90.5
227	65.6	30.8	92.4

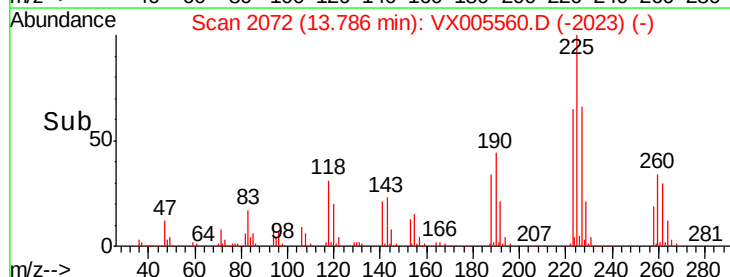
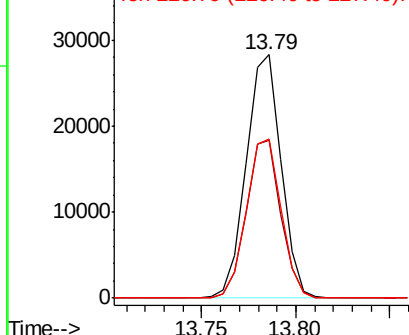


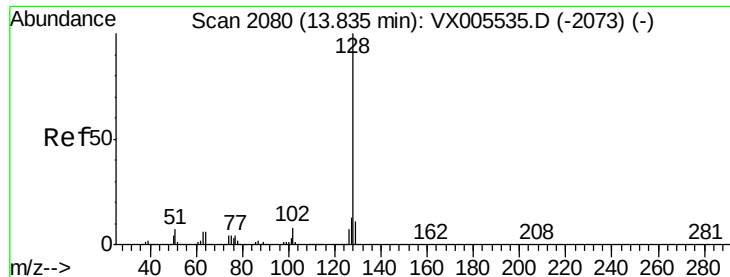
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.418 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Instrument :

MSVOA_X

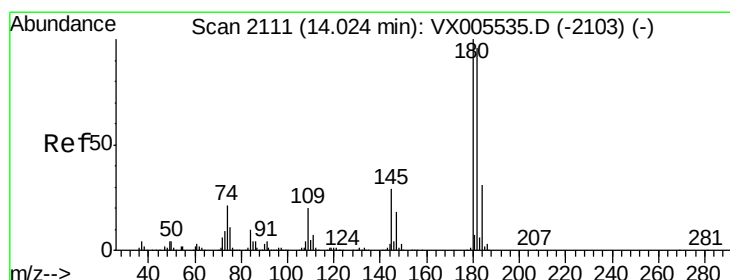
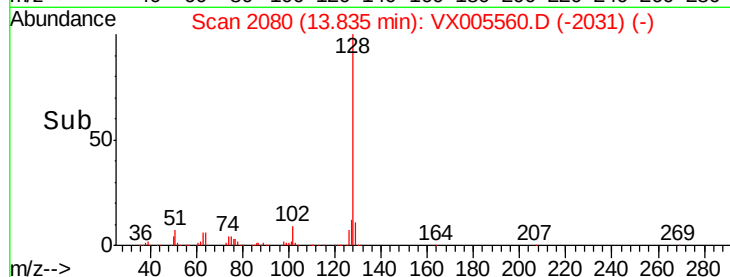
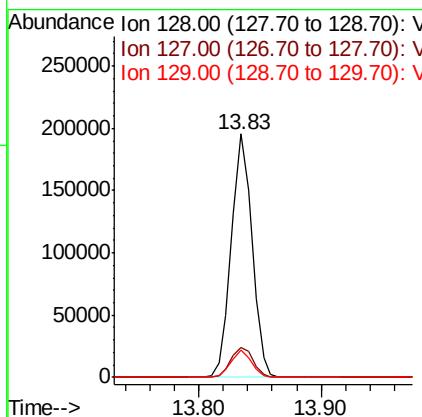
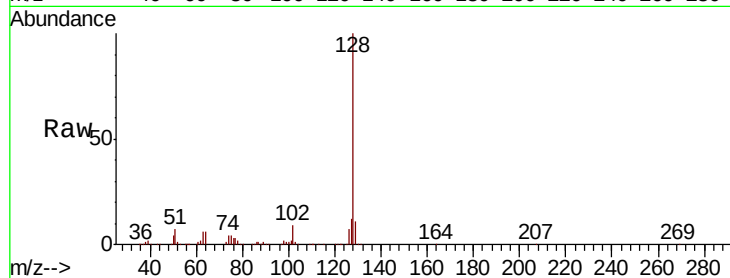
ClientSampleId :

VX1024WBSD02

Tot Ion:	128	Resp:	228695
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:54:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.847 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005560.D

Acq: 25 Oct 2018 00:31

Tgt Ion:	180	Resp:	77628
Ion Ratio		Lower	Upper
180	100		
182	96.2	48.5	145.6
145	30.2	14.9	44.9

