

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110818\
 Data File : VX005845.D
 Acq On : 08 Nov 2018 14:36
 Operator : JC/MD
 Sample : VX1108MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:37:14 AM

Quant Time: Nov 08 15:05:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	116488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	166802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	135696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	70047	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	5.50	113	57420	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	8.71	98	182125	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.14	95	65736	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21719	20.679	ug/l	98
3) Chloromethane	1.32	50	29351	21.294	ug/l	93
4) Vinyl Chloride	1.40	62	26549	19.187	ug/l	99
5) Bromomethane	1.64	94	15680	18.517	ug/l	100
6) Chloroethane	1.72	64	17032	20.629	ug/l	99
7) Trichlorofluoromethane	1.93	101	36138	19.675	ug/l	89
8) Diethyl Ether	2.19	74	15395	21.391	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	21001	19.880	ug/l	99
10) Methyl Iodide	2.51	142	19731	15.411	ug/l	97
11) Tert butyl alcohol	3.06	59	37060	96.604	ug/l	98
12) 1,1-Dichloroethene	2.37	96	20631	20.037	ug/l	85
13) Acrolein	2.29	56	17207	106.022	ug/l	99
14) Allyl chloride	2.73	41	46206	20.093	ug/l	99
15) Acrylonitrile	3.15	53	81615	102.657	ug/l	99
16) Acetone	2.45	43	74509	103.334	ug/l	99
17) Carbon Disulfide	2.57	76	61561	20.045	ug/l	99
18) Methyl Acetate	2.78	43	41877	20.806	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	72283	20.569	ug/l	98
20) Methylene Chloride	2.85	84	23294	19.667	ug/l	85
21) trans-1,2-Dichloroethene	3.17	96	22030	20.286	ug/l	83
22) Diisopropyl ether	3.87	45	81687	20.278	ug/l	93
23) Vinyl Acetate	3.82	43	357281	103.441	ug/l	97
24) 1,1-Dichloroethane	3.70	63	44912	20.897	ug/l	98
25) 2-Butanone	4.69	43	113571	100.186	ug/l	94
26) 2,2-Dichloropropane	4.58	77	32527	20.632	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	24589	20.505	ug/l	98
28) Bromochloromethane	5.01	49	21863	22.762	ug/l	97
29) Tetrahydrofuran	5.16	42	75456	103.668	ug/l	99
30) Chloroform	5.21	83	42955	20.716	ug/l	91
31) Cyclohexane	5.58	56	37387	20.040	ug/l #	90
32) 1,1,1-Trichloroethane	5.50	97	36800	21.278	ug/l	98
36) 1,1-Dichloropropene	5.80	75	31124	19.356	ug/l	98
37) Ethyl Acetate	4.85	43	41479	19.616	ug/l	99
38) Carbon Tetrachloride	5.78	117	31533	19.588	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	30493	18.710	ug/l #	81
40) Benzene	6.14	78	93671	19.982	ug/l	98
41) Methacrylonitrile	5.06	41	22634	19.809	ug/l	98
42) 1,2-Dichloroethane	6.20	62	33990	20.244	ug/l	99
43) Isopropyl Acetate	6.46	43	59194	19.319	ug/l	99
44) Trichloroethene	7.21	130	21553	18.105	ug/l	90
45) 1,2-Dichloropropane	7.51	63	21107	18.551	ug/l	100
46) Dibromomethane	7.66	93	13979	19.579	ug/l	99
47) Bromodichloromethane	7.90	83	26481	19.626	ug/l	97
48) Methyl methacrylate	7.77	41	26233	19.067	ug/l	99
49) 1,4-Dioxane	7.75	88	11071	373.431	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	184082	95.326	ug/l	99
52) Toluene	8.79	92	48743	18.605	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	28537	17.922	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	30733	18.936	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	21528	18.437	ug/l	93
56) Ethyl methacrylate	9.18	69	31459	18.007	ug/l	98
57) 1,3-Dichloropropane	9.37	76	37674	19.200	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	87646	97.296	ug/l	99
59) 2-Hexanone	9.49	43	168484	98.983	ug/l	97
60) Dibromochloromethane	9.59	129	24065	19.070	ug/l	96
61) 1,2-Dibromoethane	9.68	107	25700	19.905	ug/l	100
64) Tetrachloroethene	9.34	164	25196	21.809	ug/l	87
65) Chlorobenzene	10.14	112	58748	21.611	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.22	131	20219	21.394	ug/l	98
67) Ethyl Benzene	10.26	91	100434	23.040	ug/l #	89
68) m/p-Xylenes	10.36	106	72088	43.356	ug/l	100
69) o-Xylene	10.70	106	33160	22.241	ug/l	97
70) Styrene	10.71	104	55772	22.676	ug/l	99
71) Bromoform	10.86	173	16771	21.169	ug/l #	99
73) Isopropylbenzene	11.02	105	92417	22.322	ug/l	99
74) N-amyl acetate	10.90	43	44987	20.132	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	31786	20.917	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	31026m	21.283	ug/l	
77) Bromobenzene	11.26	156	24851	21.296	ug/l	99
78) n-propylbenzene	11.36	91	107037	21.937	ug/l	99
79) 2-Chlorotoluene	11.42	91	64192	21.766	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	79449	22.582	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	9489	20.746	ug/l	96
82) 4-Chlorotoluene	11.51	91	76785	22.092	ug/l	99
83) tert-Butylbenzene	11.77	119	76079	21.375	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	81782	20.994	ug/l	99
85) sec-Butylbenzene	11.94	105	94362	21.680	ug/l	99
86) p-Isopropyltoluene	12.07	119	84232	21.848	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	45862	20.478	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	46808	20.417	ug/l	99
89) n-Butylbenzene	12.39	91	72508	20.292	ug/l	99
90) Hexachloroethane	12.60	117	13875	21.556	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	45736	20.386	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8033	21.663	ug/l	98

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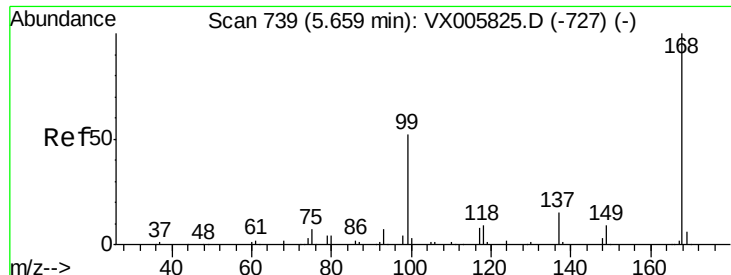
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33499	21.210	ug/l	100
94) Hexachlorobutadiene	13.78	225	16810	20.262	ug/l	98
95) Naphthalene	13.83	128	100443	20.219	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	34281	21.305	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. 0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion:168 Resp: 116488

Ion Ratio Lower Upper

168 100

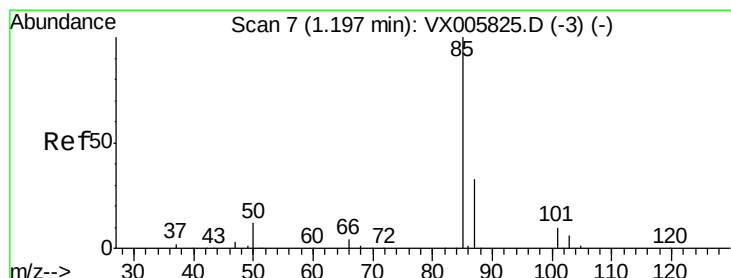
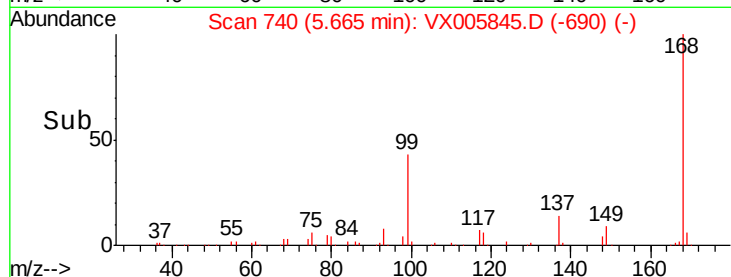
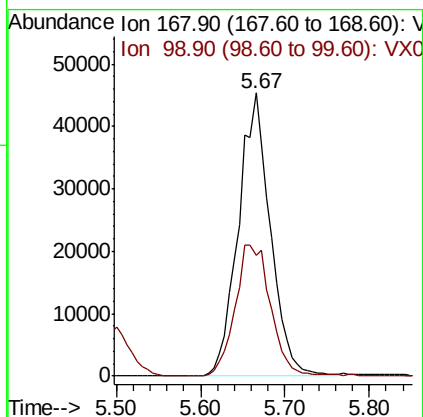
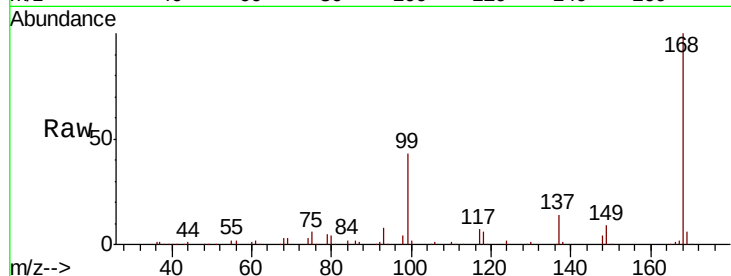
99 42.7 40.7 61.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.679 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005845.D

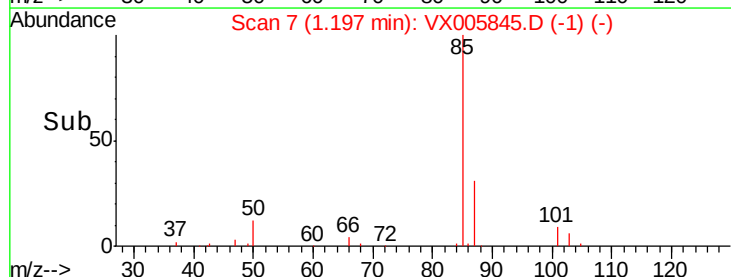
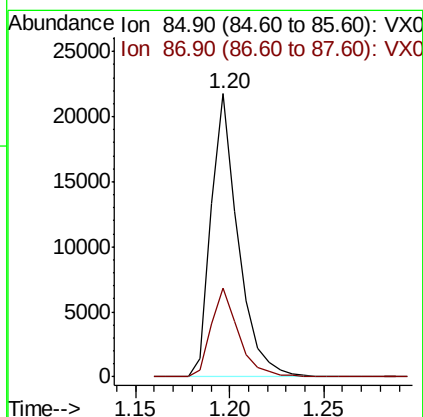
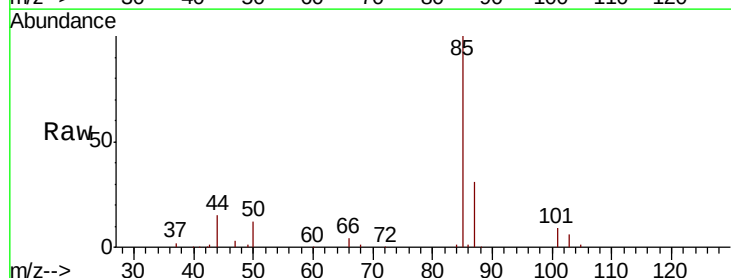
Acq: 08 Nov 2018 14:36

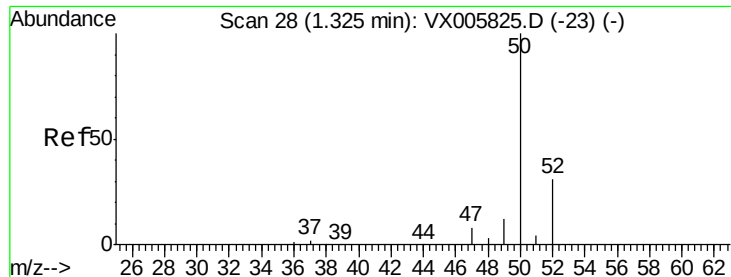
Tgt Ion: 85 Resp: 21719

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9





#3

Chloromethane

Concen: 21.294 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion: 50 Resp: 29351

Ion Ratio Lower Upper

50 100

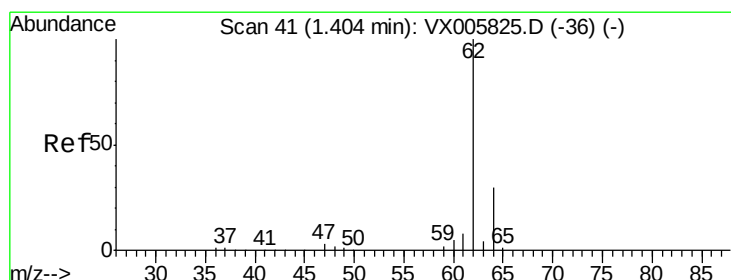
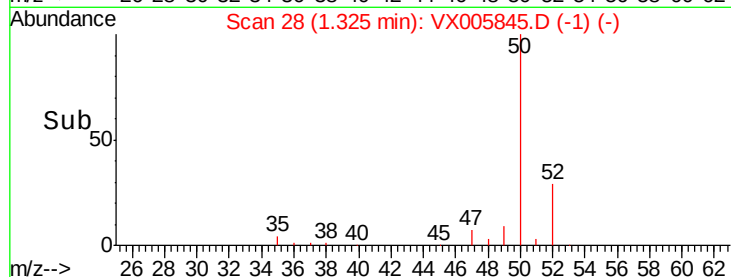
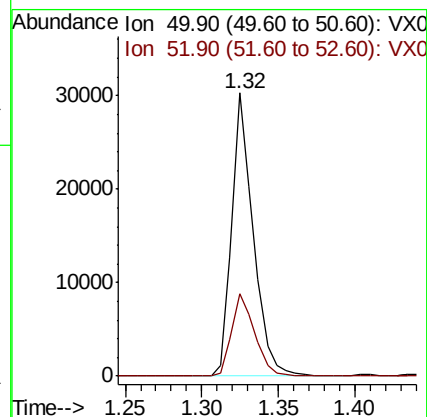
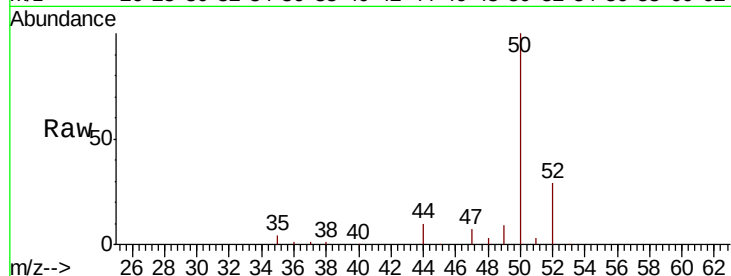
52 28.9 26.2 39.2

Manual Integrations

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11/9/2018 11:37:14 AM



#4

Vinyl Chloride

Concen: 19.187 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005845.D

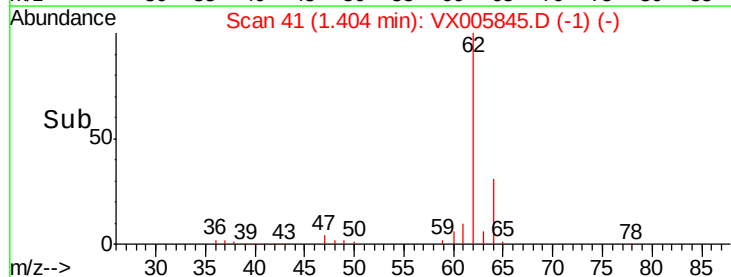
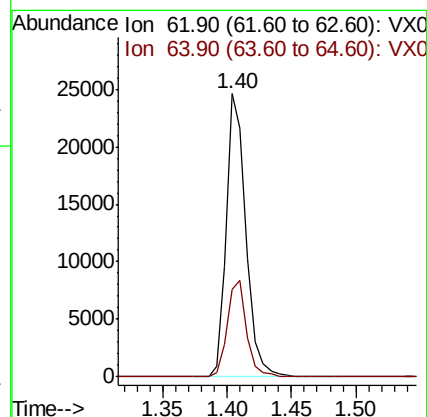
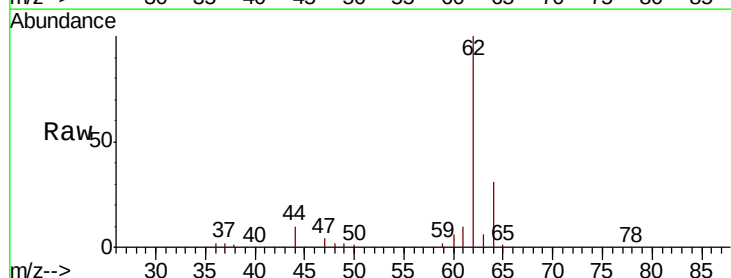
Acq: 08 Nov 2018 14:36

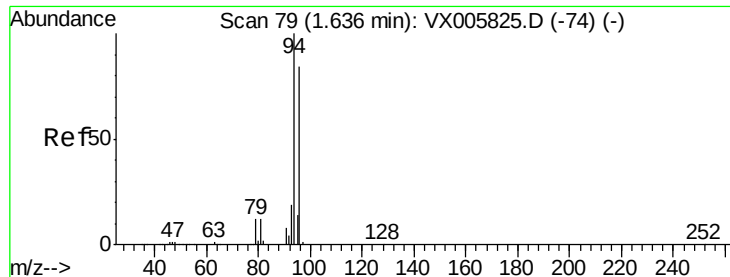
Tgt Ion: 62 Resp: 26549

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 18.517 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion: 94 Resp: 15680

Ion Ratio Lower Upper

94 100

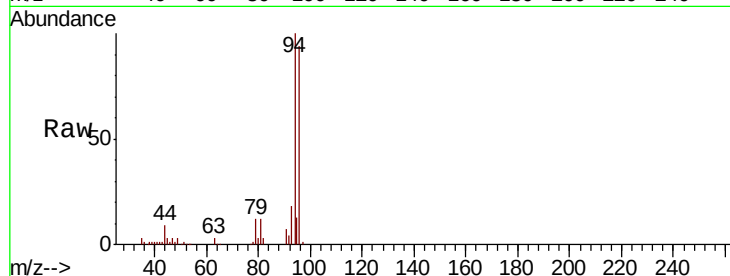
96 93.7 75.2 112.8

Manual Integrations

APPROVED

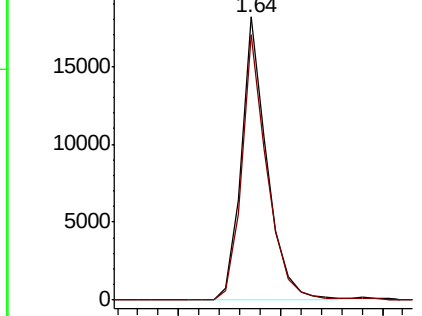
MMDadoda

11/9/2018 11:37:14 AM

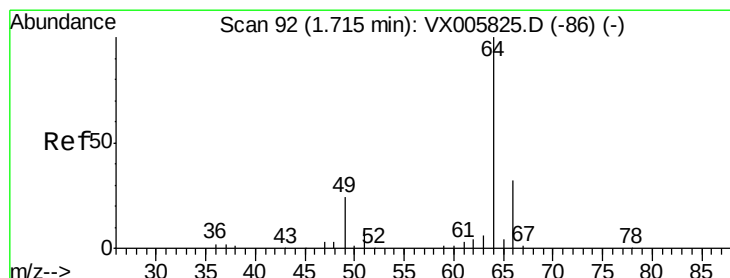
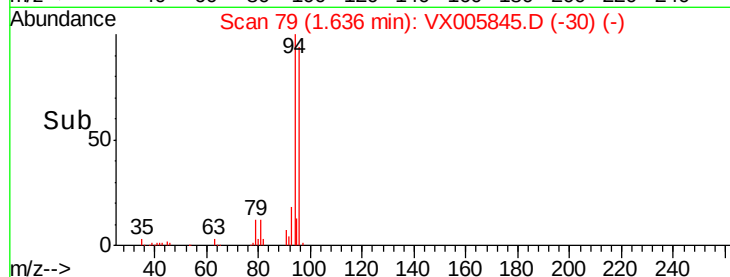


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 20.629 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005845.D

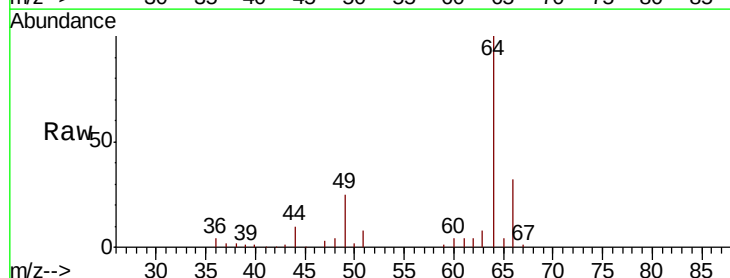
Acq: 08 Nov 2018 14:36

Tgt Ion: 64 Resp: 17032

Ion Ratio Lower Upper

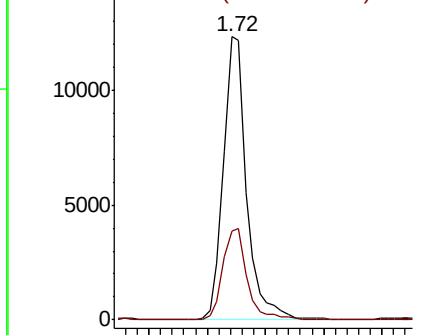
64 100

66 31.5 25.8 38.6

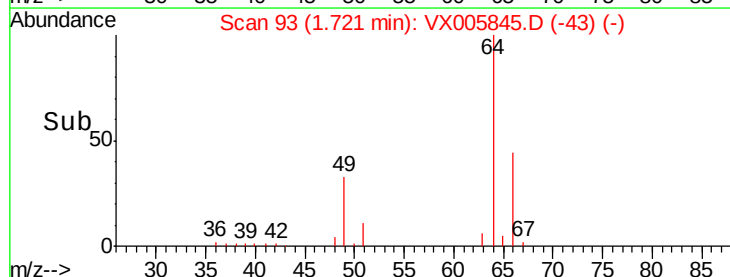


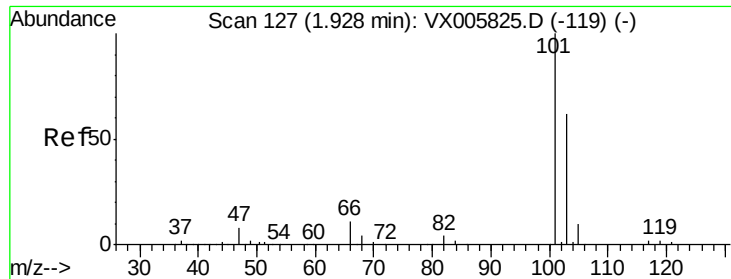
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

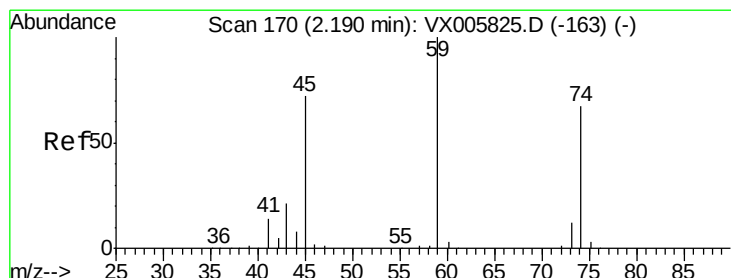
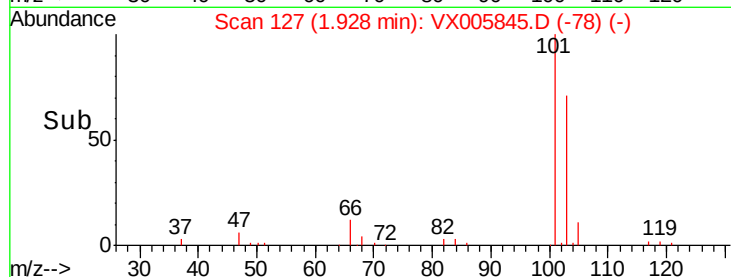
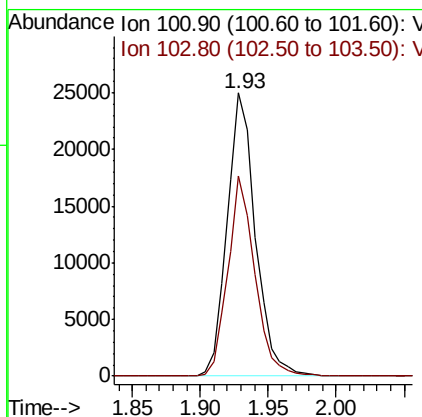
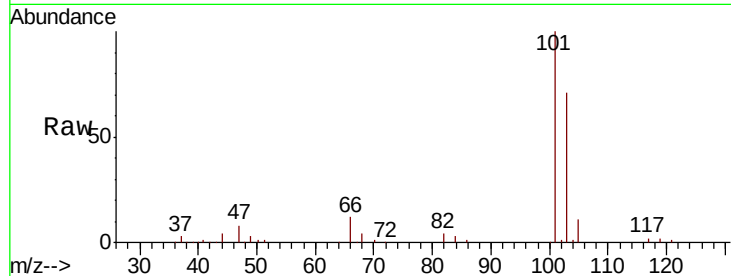
Trichlorofluoromethane
Concen: 19.675 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion:101 Resp: 36138
Ion Ratio Lower Upper
101 100
103 70.7 50.0 75.0

Manual Integrations
APPROVED

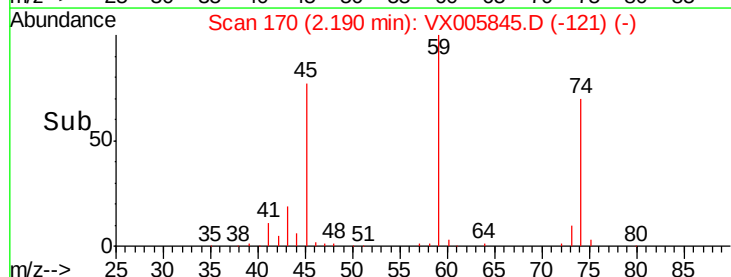
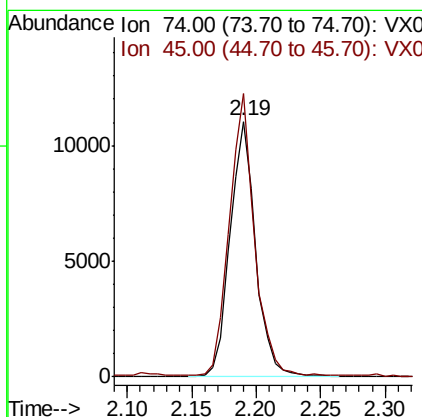
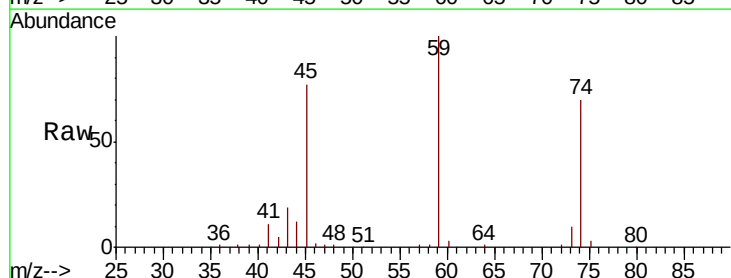
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11/9/2018 11:37:14 AM

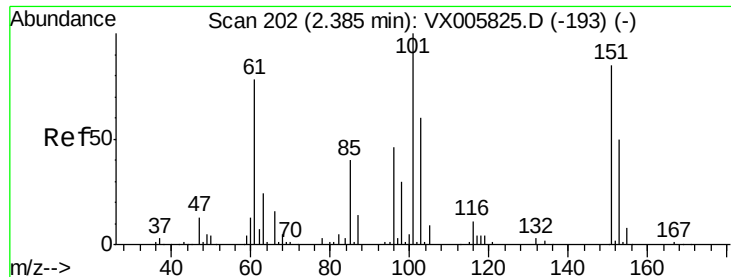


#8

Diethyl Ether
Concen: 21.391 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion: 74 Resp: 15395
Ion Ratio Lower Upper
74 100
45 108.8 54.1 162.3





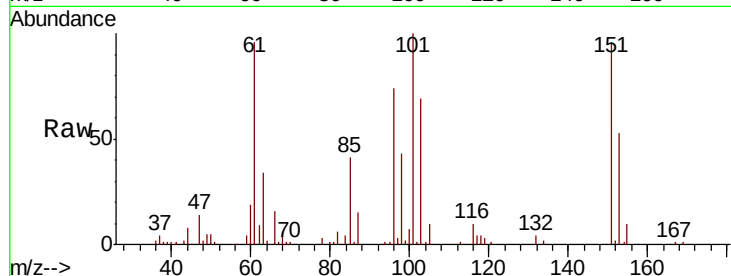
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.880 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

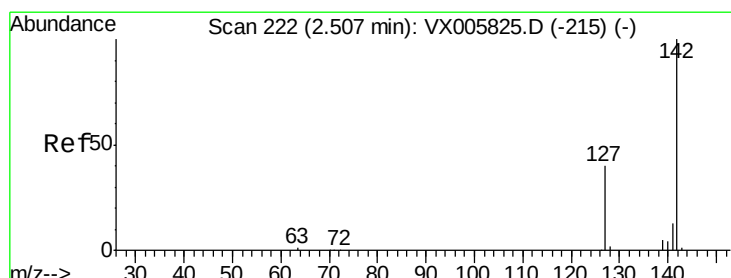
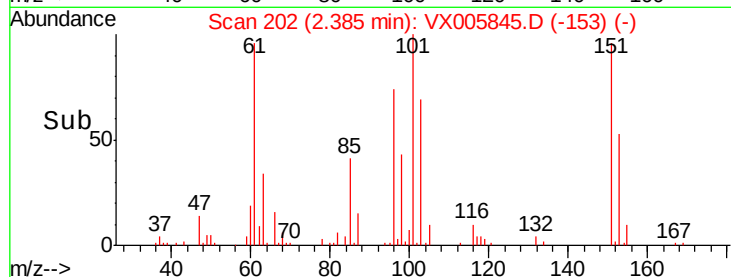
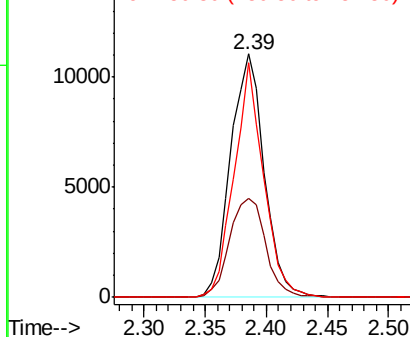
Tot Ion	Ratio	Resp	Lower	Upper
101	100	21001		
85	43.7	35.0	52.4	
151	84.2	66.2	99.2	

Manual Integrations
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MMDadoda
 11/9/2018 11:37:14 AM

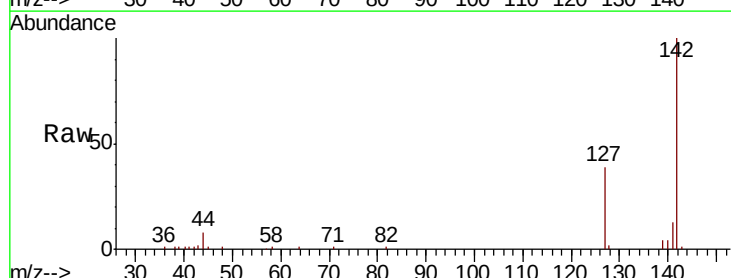


Abundance Ion 100.90 (100.60 to 101.60): V
 15000 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

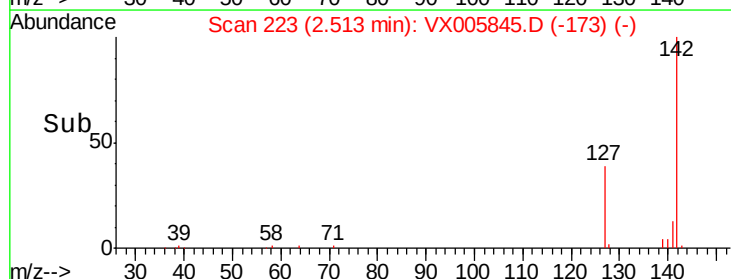
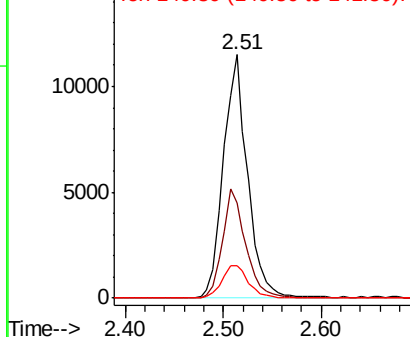


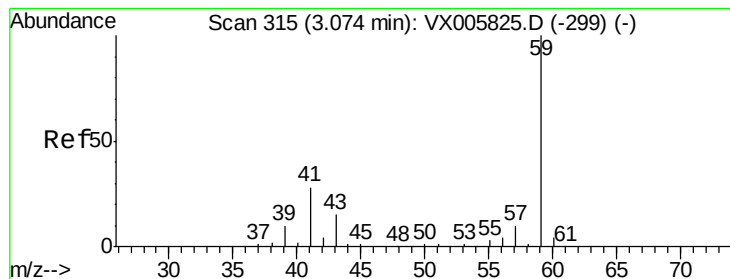
#10
 Methyl Iodide
 Concen: 15.411 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	19731		
127	42.5	36.0	54.0	
141	14.5	11.7	17.5	



Abundance Ion 141.80 (141.50 to 142.50): V
 15000 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

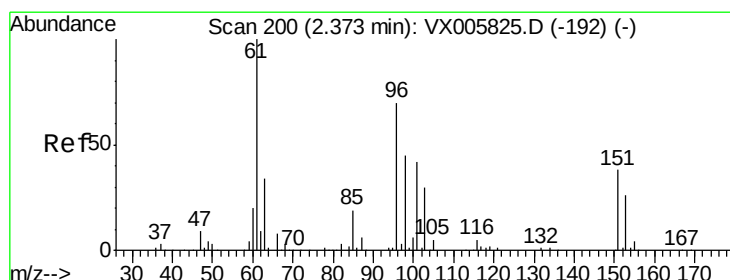
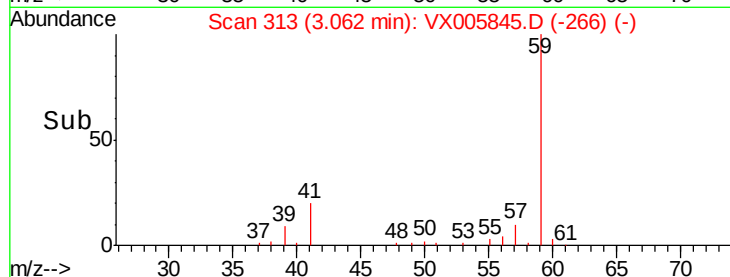
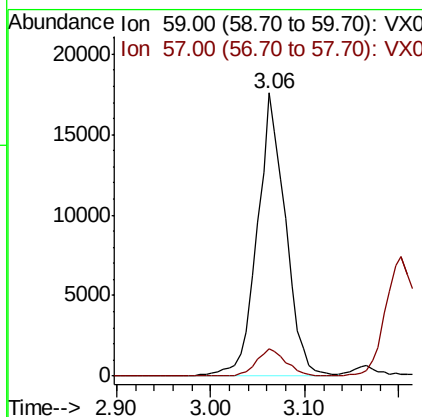
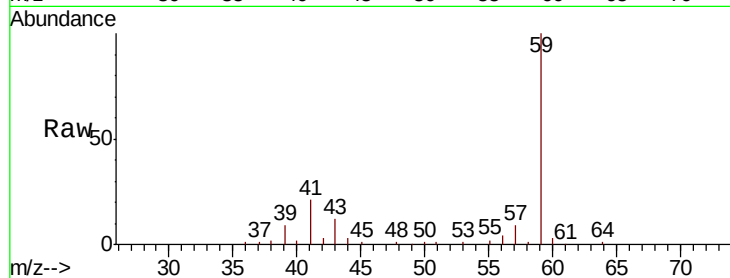
Tert butyl alcohol
Concen: 96.604 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampled :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

Manual Integrations
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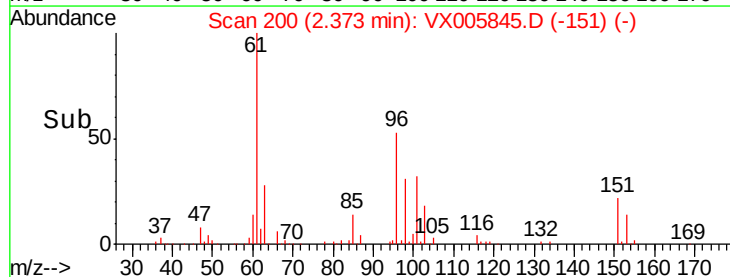
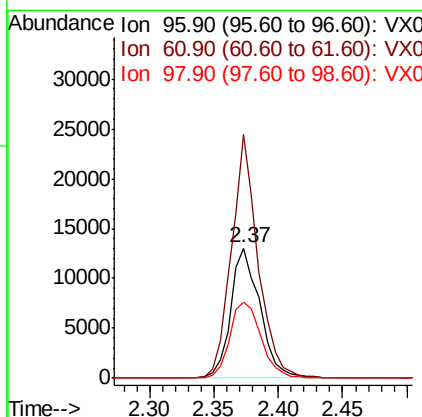
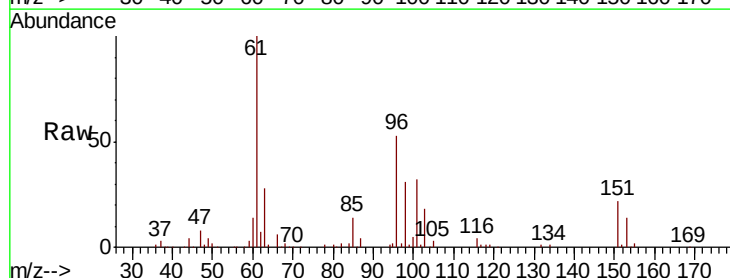
MMDadoda
11/9/2018 11:37:14 AM

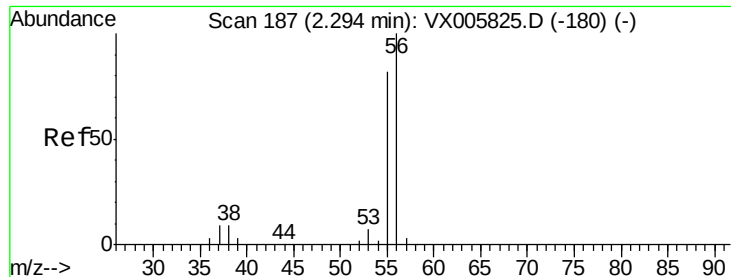


#12

1,1-Dichloroethene
Concen: 20.037 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.2	131.8	197.8
98	58.5	53.4	80.2





#13

Acrolein

Concen: 106.022 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion: 56 Resp: 17207

Ion Ratio Lower Upper

56 100

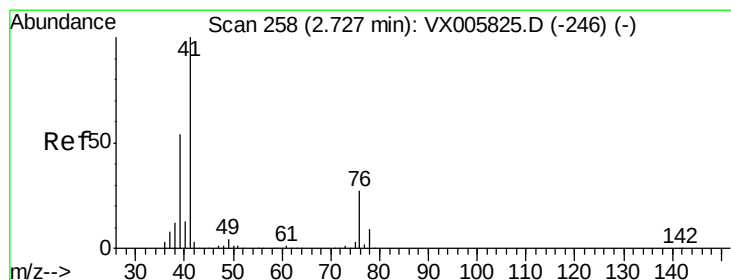
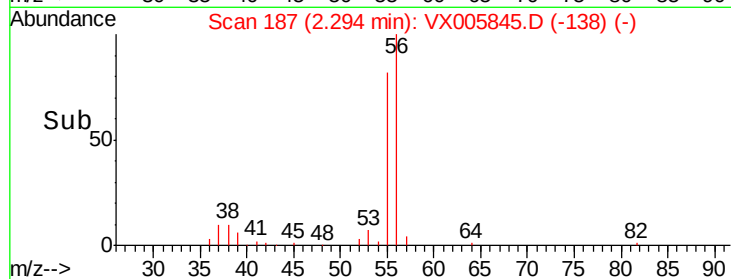
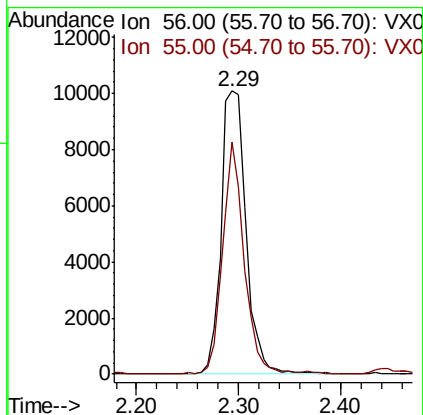
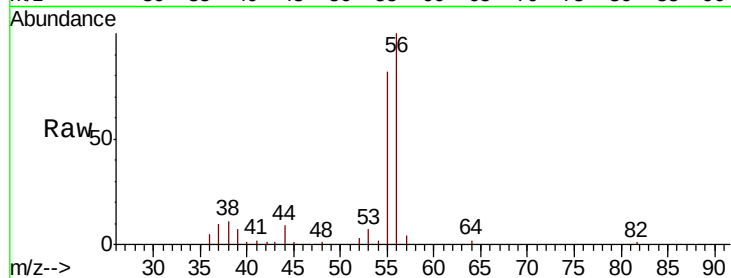
55 70.6 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 20.093 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

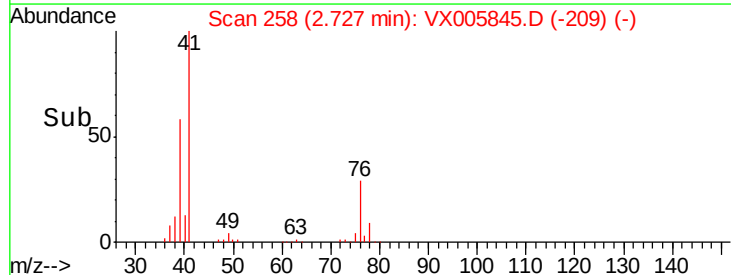
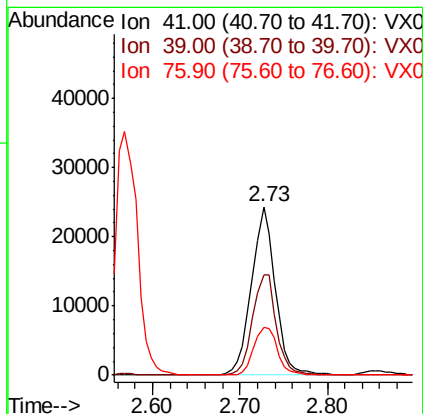
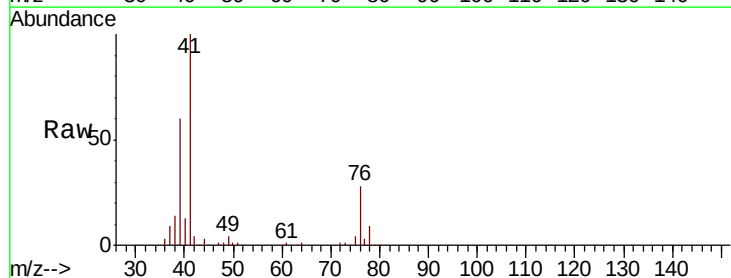
Tgt Ion: 41 Resp: 46206

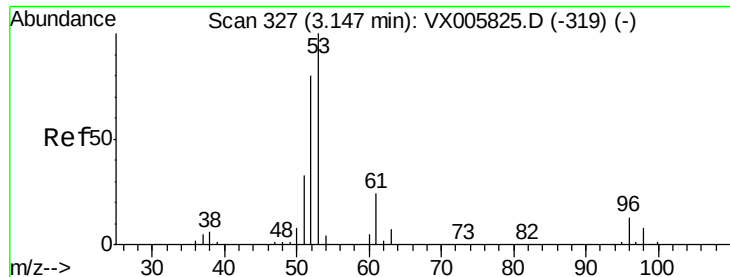
Ion Ratio Lower Upper

41 100

39 59.7 48.2 72.4

76 28.2 21.9 32.9





#15

Acrylonitrile

Concen: 102.657 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

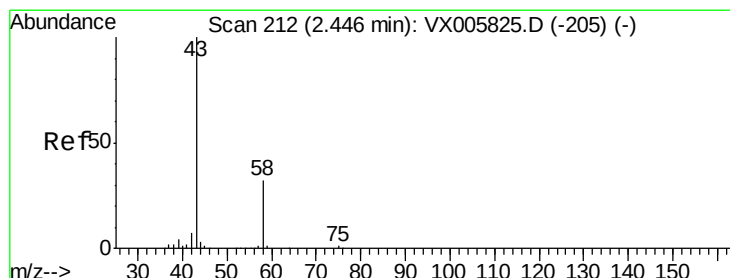
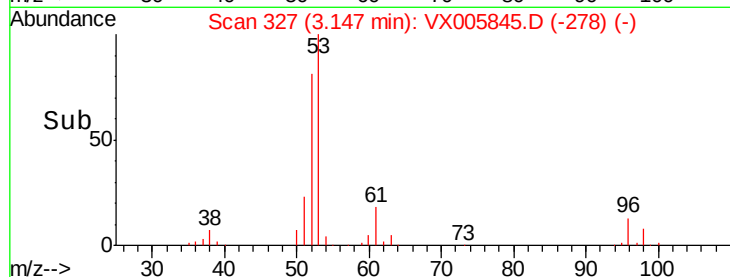
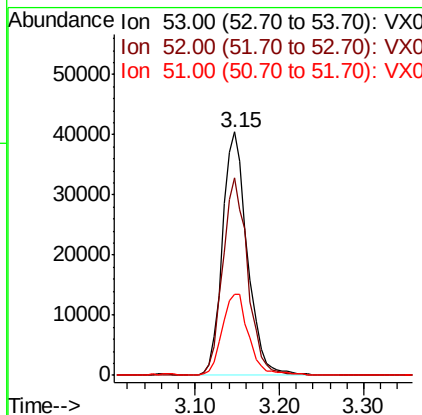
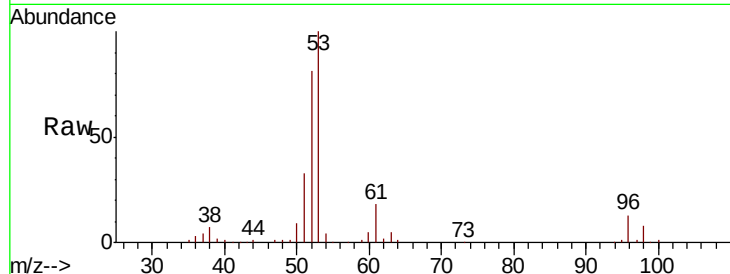
ClientSampleId :

VX1108MBS01

Tot Ion:	53	Resp:	81615
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.6	99.8
51	35.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 103.334 ug/l

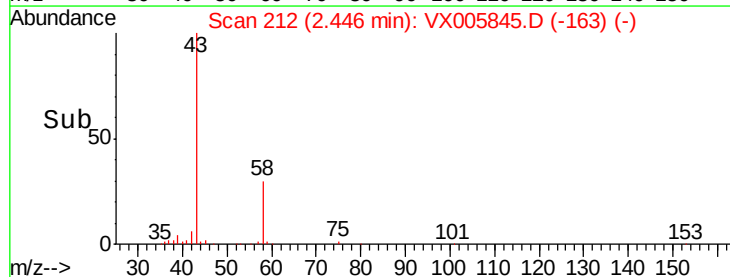
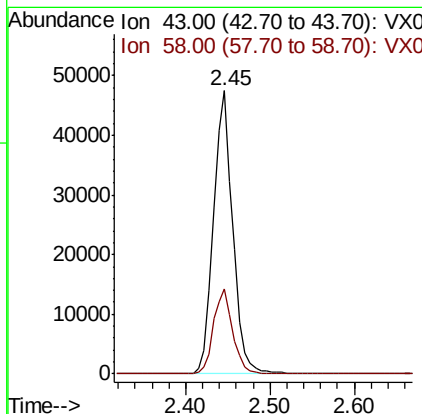
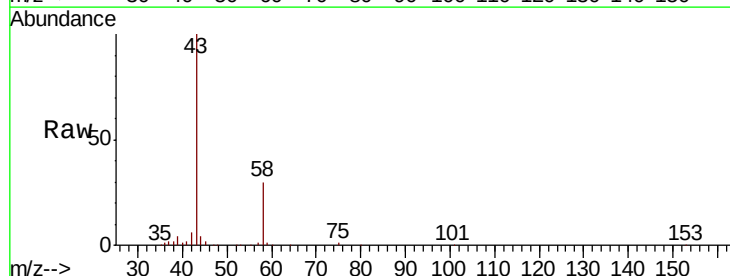
RT: 2.45 min Scan# 212

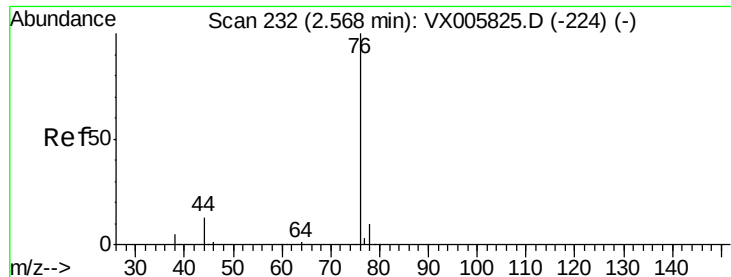
Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Tgt Ion:	43	Resp:	74509
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.8	35.6





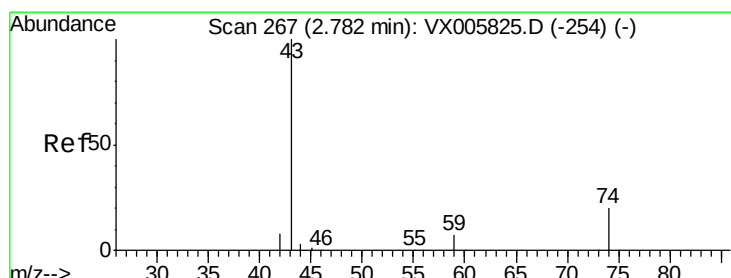
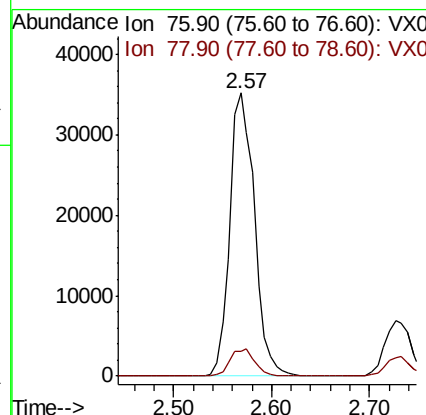
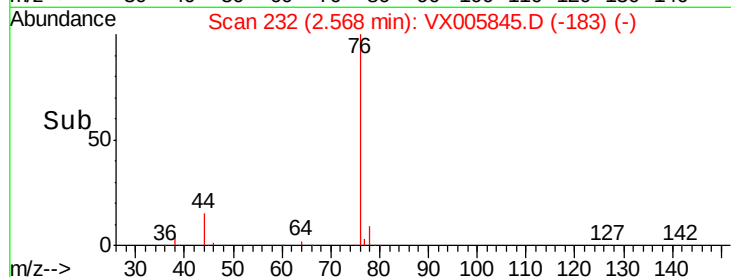
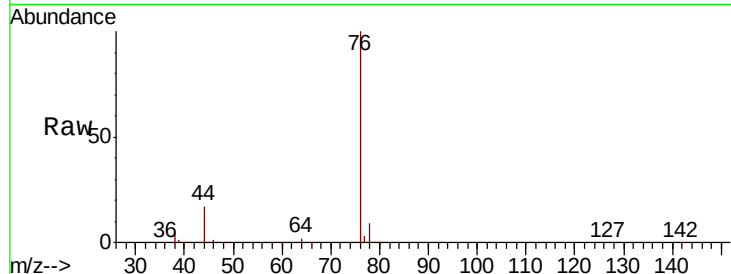
#17
Carbon Disulfide
Concen: 20.045 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

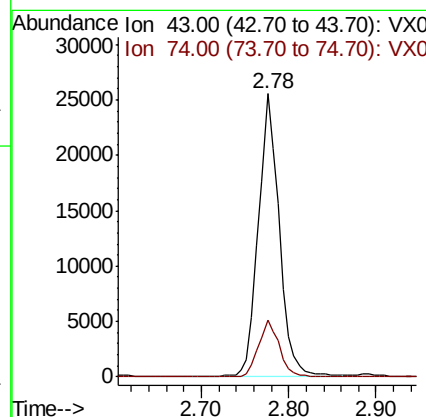
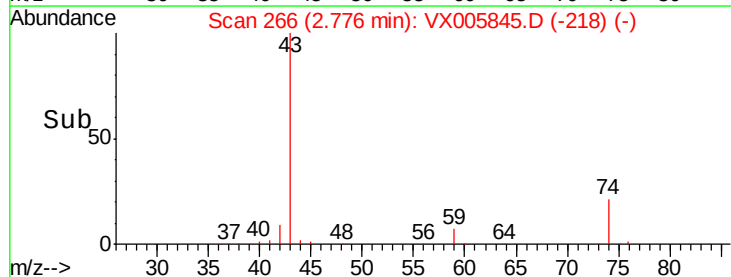
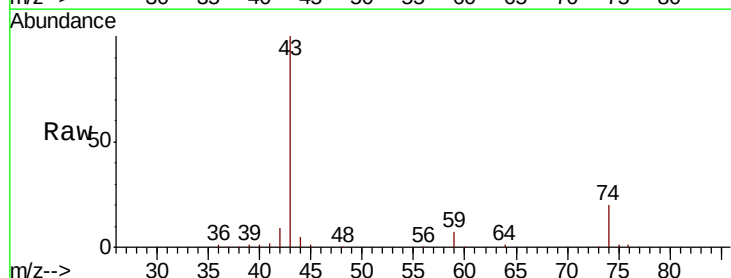
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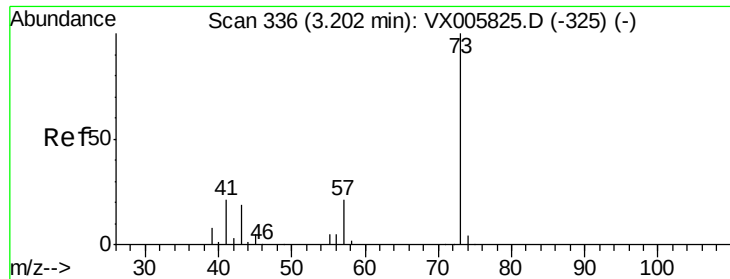
MMDadoda
11/9/2018 11:37:14 AM



#18
Methyl Acetate
Concen: 20.806 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.8	25.2





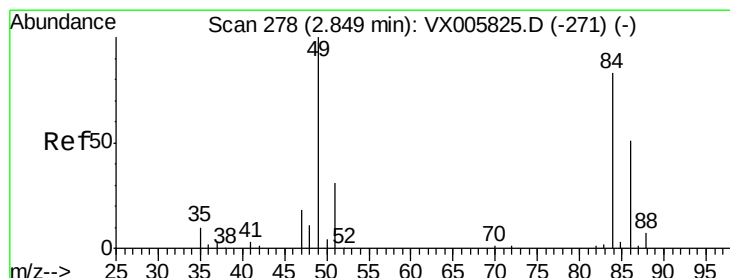
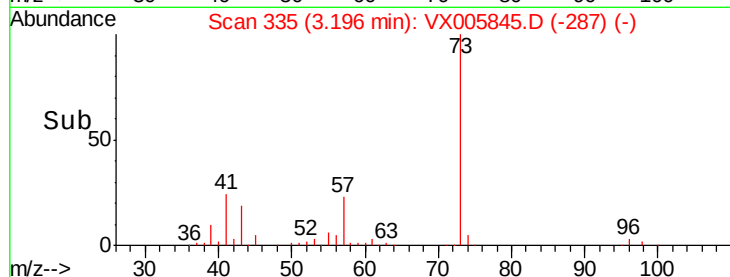
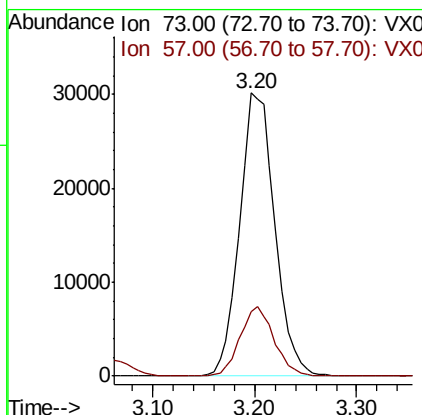
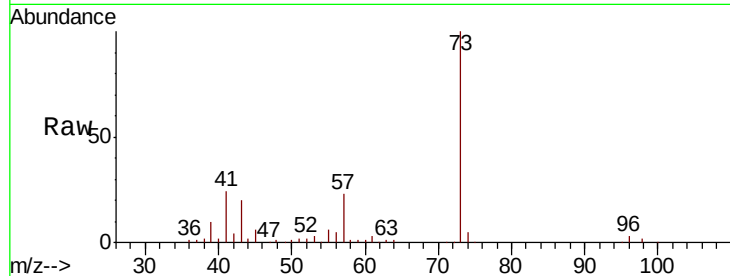
#19
Methyl tert-butyl Ether
Concen: 20.569 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion: 73 Resp: 72283
Ion Ratio Lower Upper
73 100
57 22.7 18.8 28.2

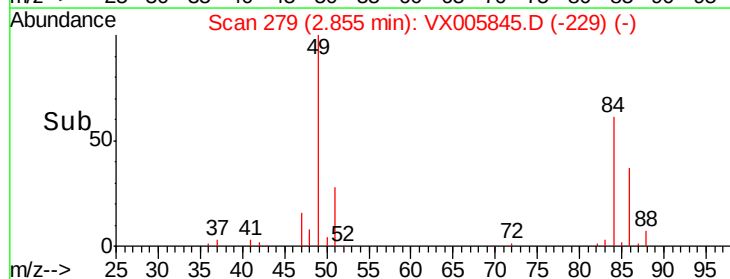
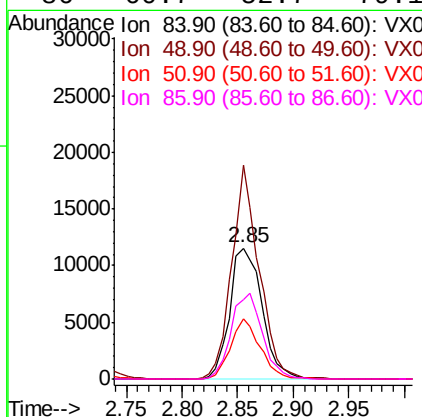
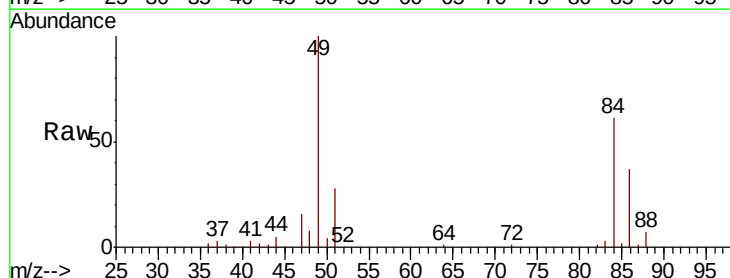
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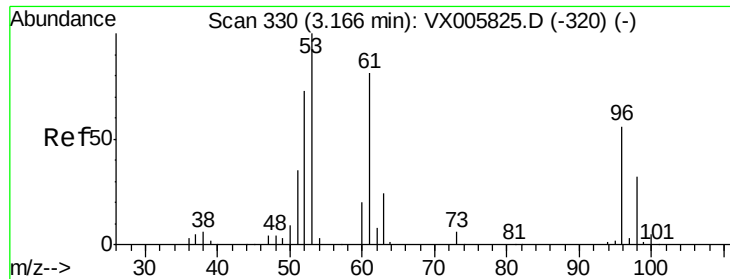
MMDadoda
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#20
Methylene Chloride
Concen: 19.667 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion: 84 Resp: 23294
Ion Ratio Lower Upper
84 100
49 163.2 109.5 164.3
51 45.8 33.3 49.9
86 60.7 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.286 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampled :

VX1108MBS01

Tot Ion: 96 Resp: 22030

Ion Ratio Lower Upper

96 100

61 171.7 115.6 173.4

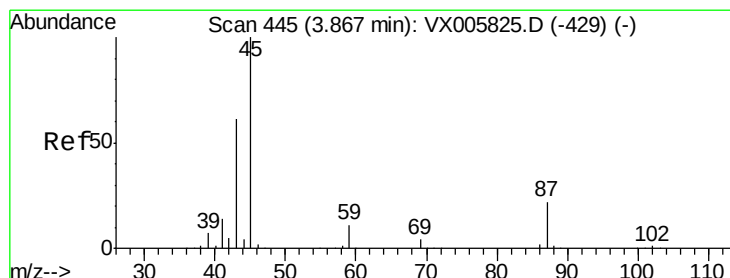
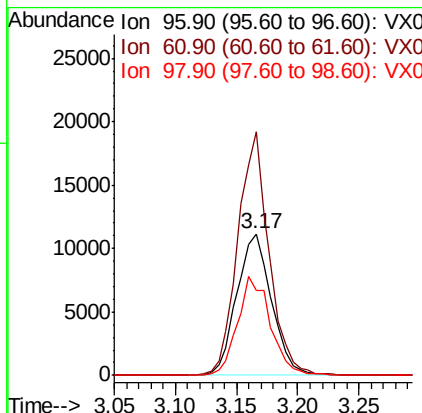
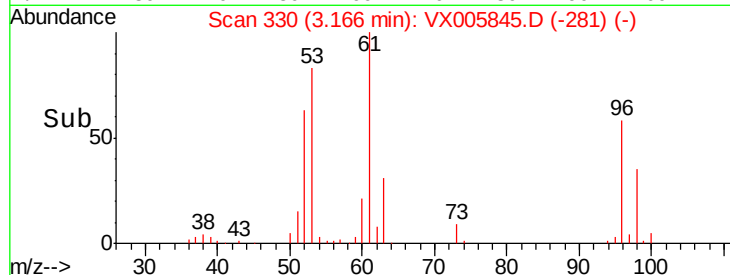
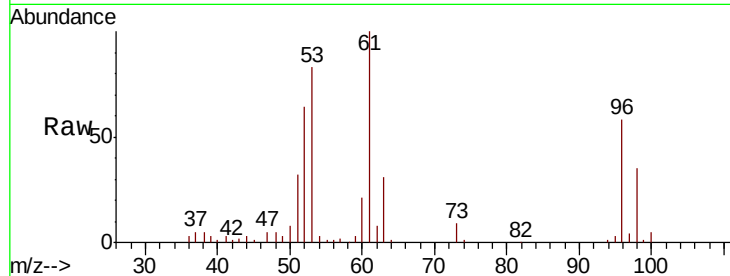
98 59.5 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.278 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Tgt Ion: 45 Resp: 81687

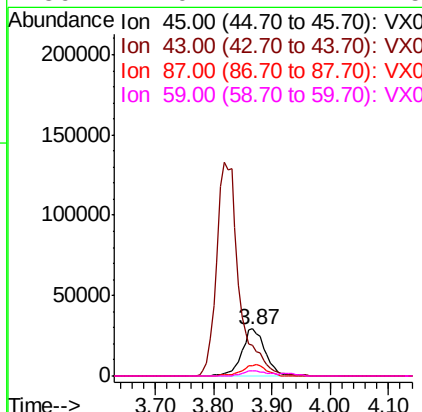
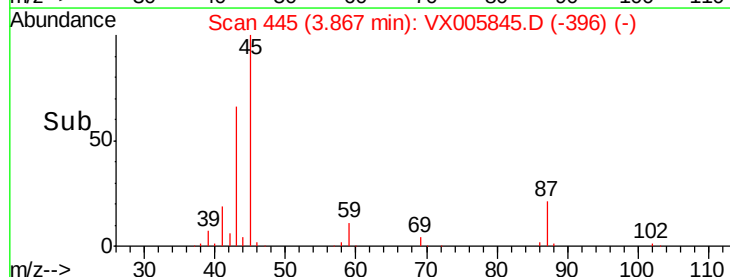
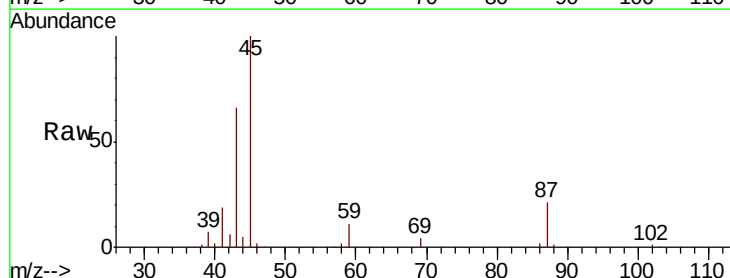
Ion Ratio Lower Upper

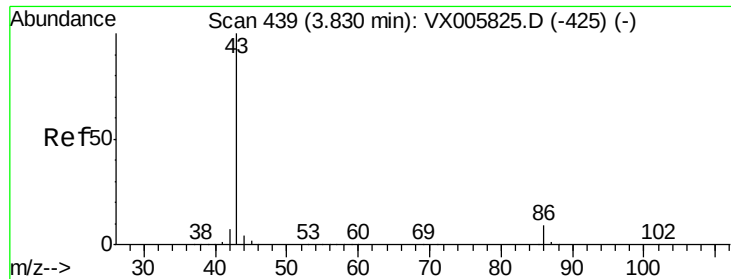
45 100

43 66.3 47.4 71.2

87 21.4 15.9 23.9

59 11.0 7.7 11.5





#23

Vinyl Acetate

Concen: 103.441 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion: 43 Resp: 357281

Ion Ratio Lower Upper

43 100

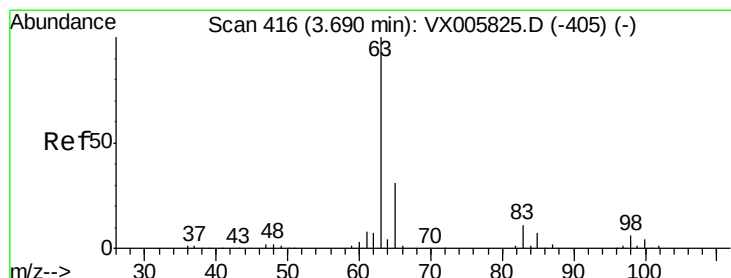
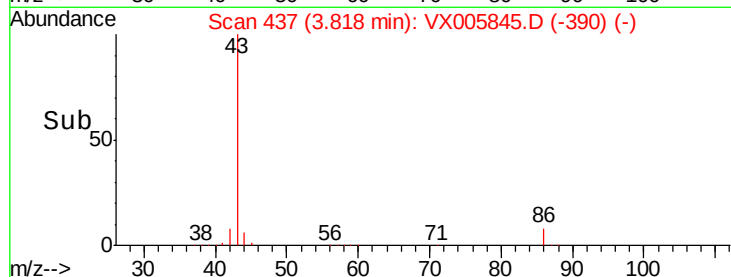
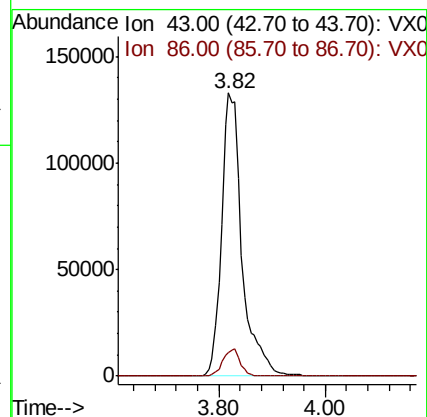
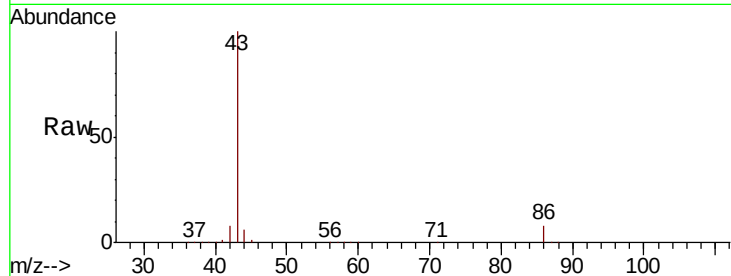
86 8.4 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.897 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

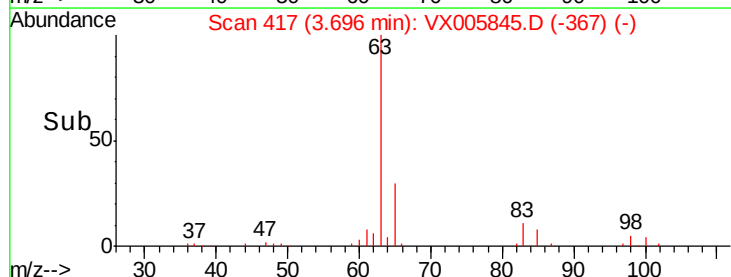
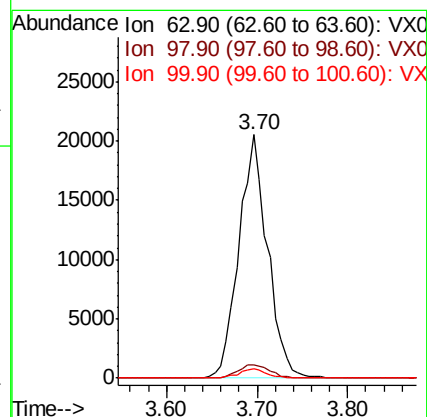
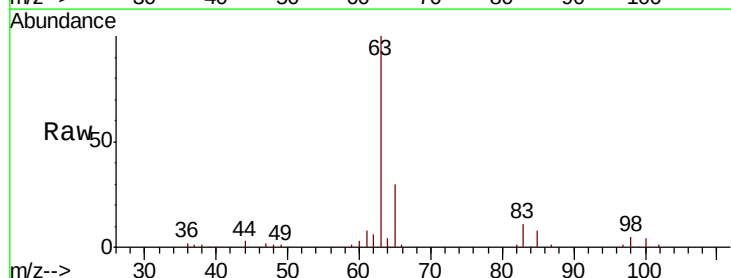
Tgt Ion: 63 Resp: 44912

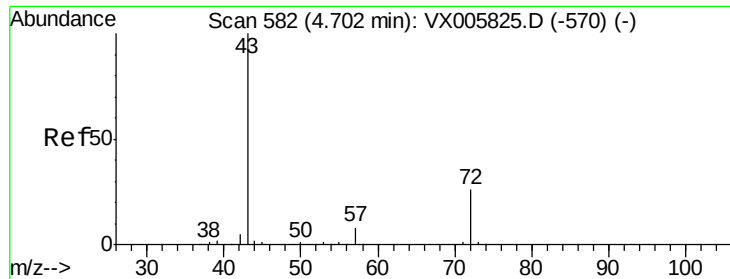
Ion Ratio Lower Upper

63 100

98 5.4 3.2 9.6

100 3.6 2.1 6.2





#25

2-Butanone

Concen: 100.186 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion: 43 Resp: 113571

Ion Ratio Lower Upper

43 100

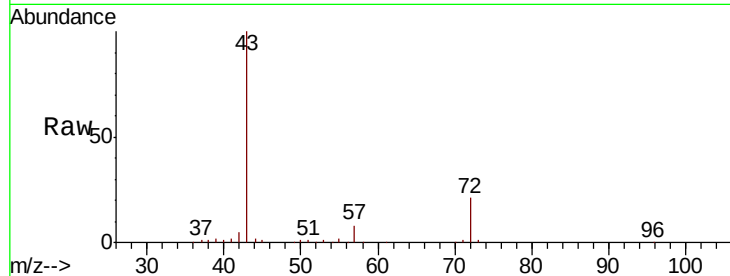
72 21.0 19.2 28.8

Manual Integrations

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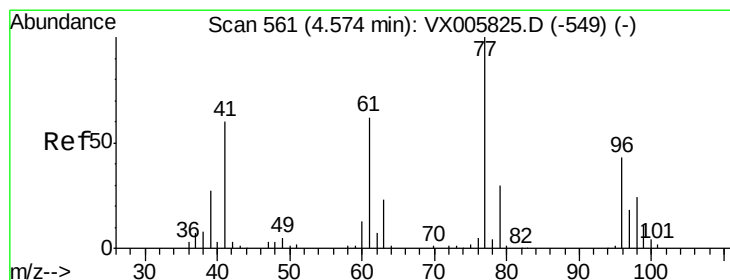
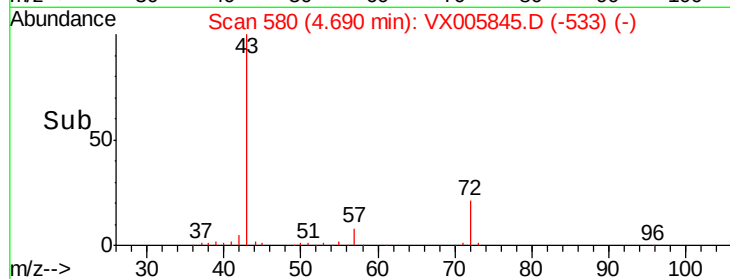
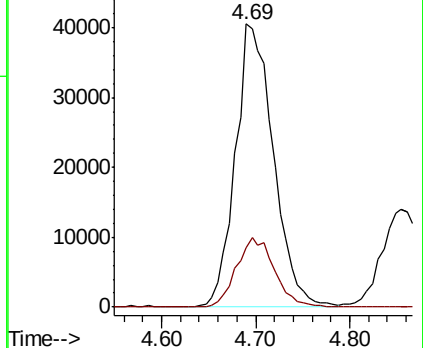
MMDadoda

11/9/2018 11:37:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.632 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005845.D

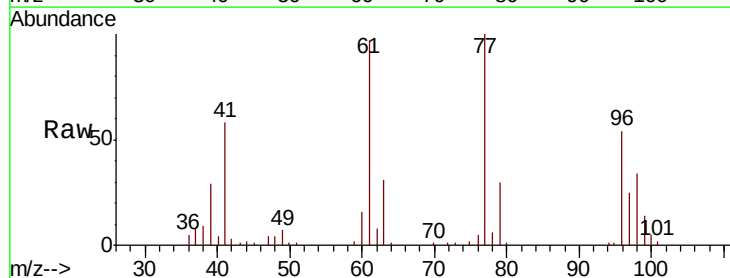
Acq: 08 Nov 2018 14:36

Tgt Ion: 77 Resp: 32527

Ion Ratio Lower Upper

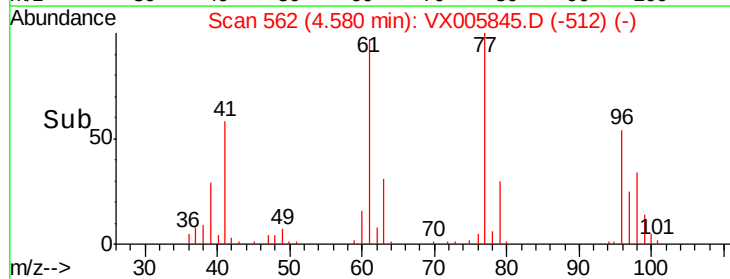
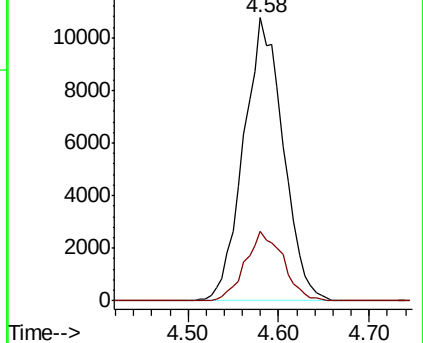
77 100

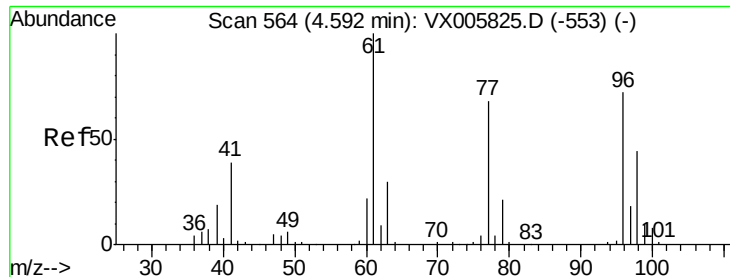
97 23.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

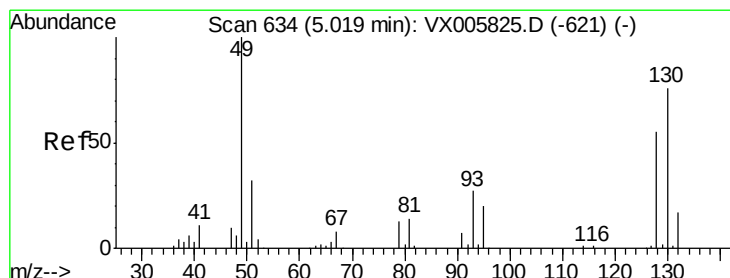
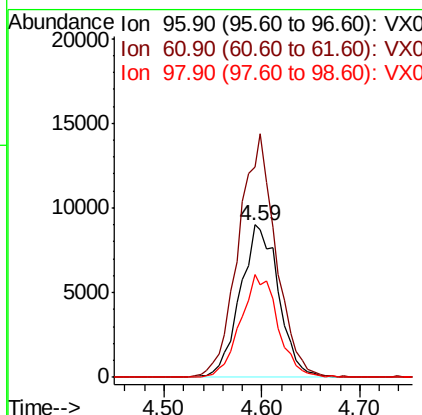
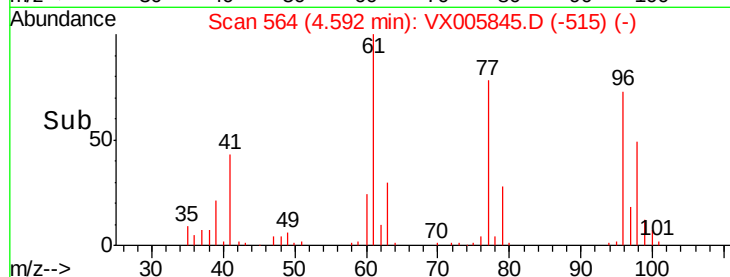
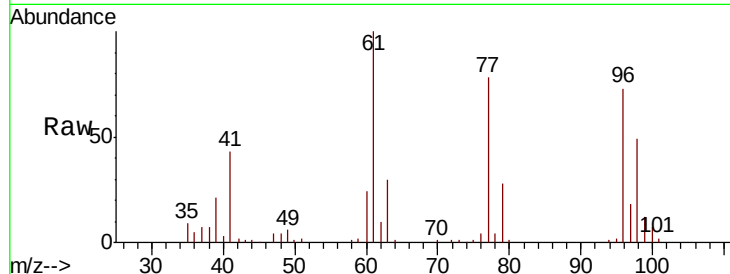
cis-1,2-Dichloroethene
Concen: 20.505 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	24589		
61	154.9	0.0	304.6	
98	64.8	0.0	127.4	

Manual Integrations
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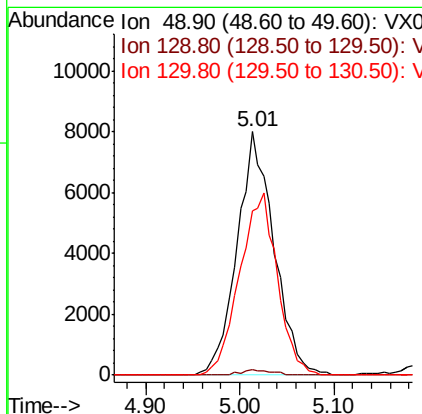
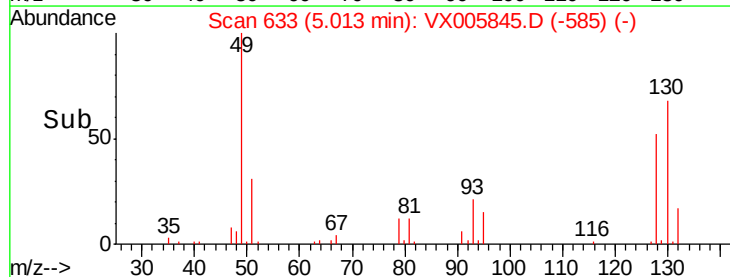
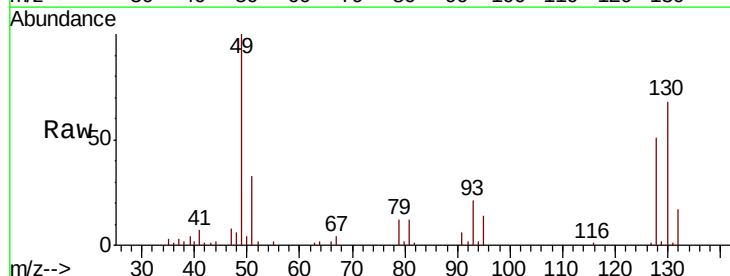
MMDadoda
11/9/2018 11:37:14 AM

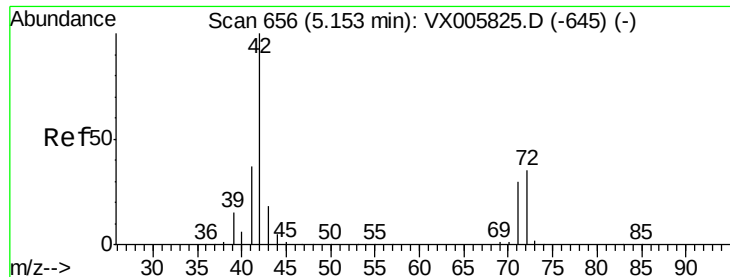


#28

Bromochloromethane
Concen: 22.762 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21863		
129	1.7	0.0	4.0	
130	76.3	58.9	88.3	





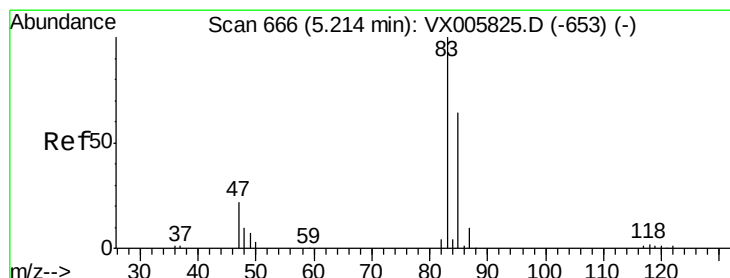
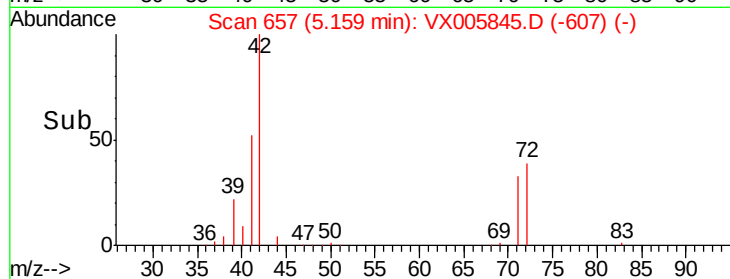
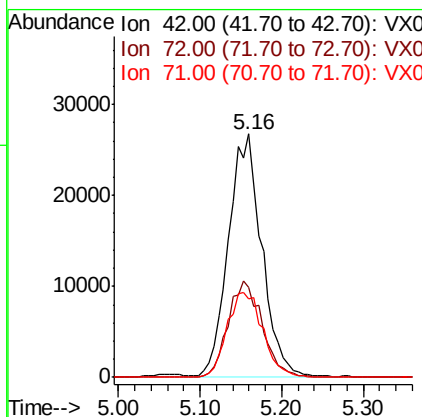
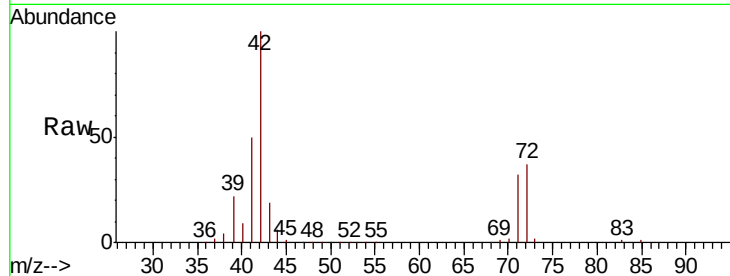
#29
Tetrahydrofuran
Concen: 103.668 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	37.8	29.8	44.8

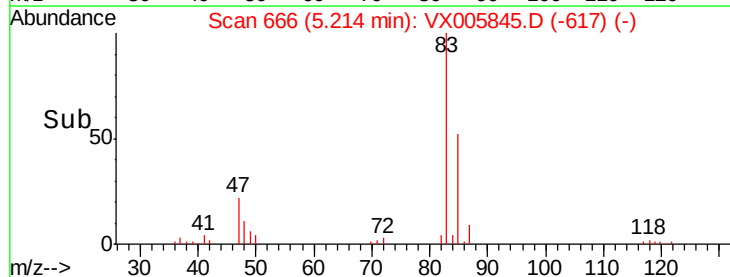
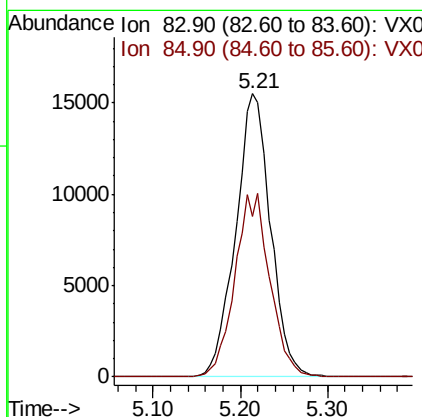
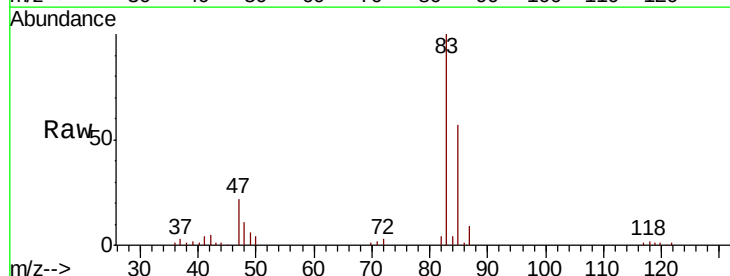
Manual Integrations
APPROVED

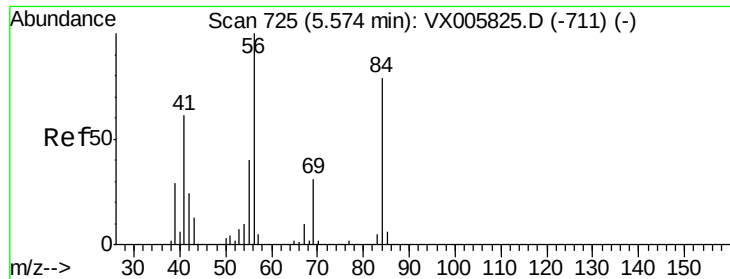
MMDadoda
11/9/2018 11:37:14 AM



#30
Chloroform
Concen: 20.716 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.7	50.6	76.0





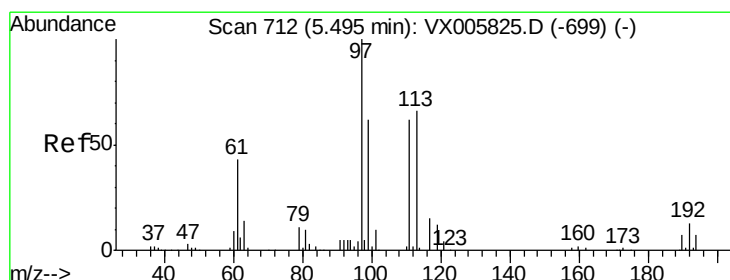
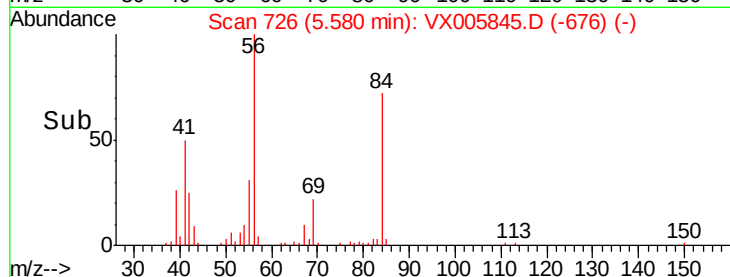
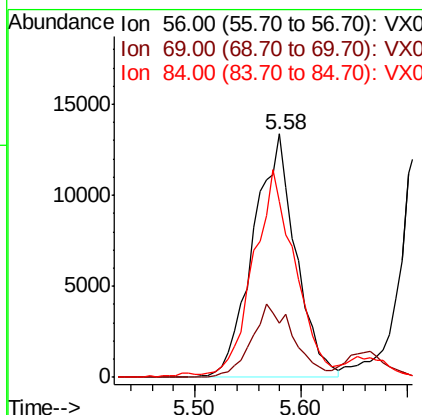
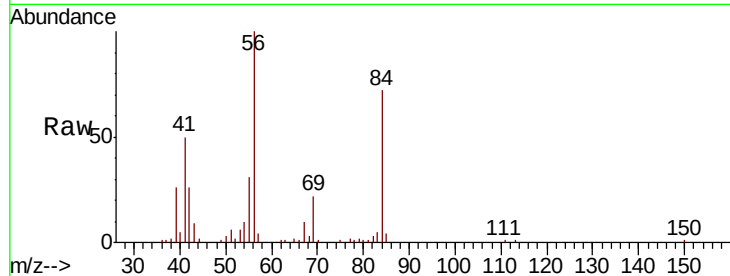
#31
Cyclohexane
Concen: 20.040 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.3	22.6	34.0#
84	70.5	62.7	94.1

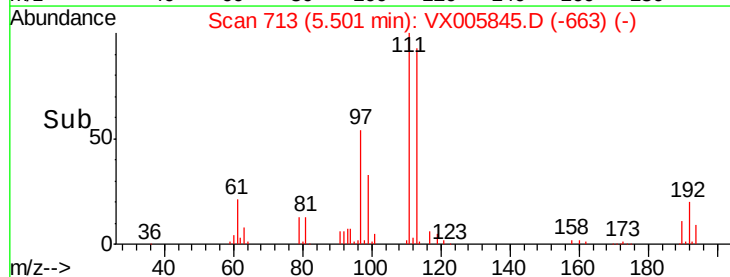
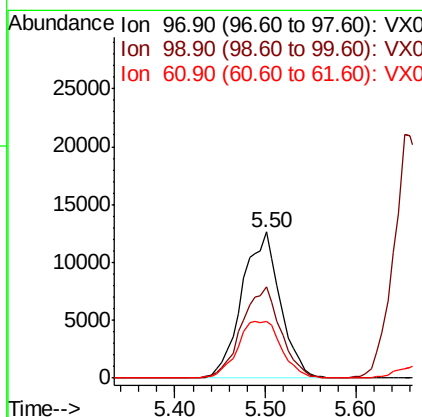
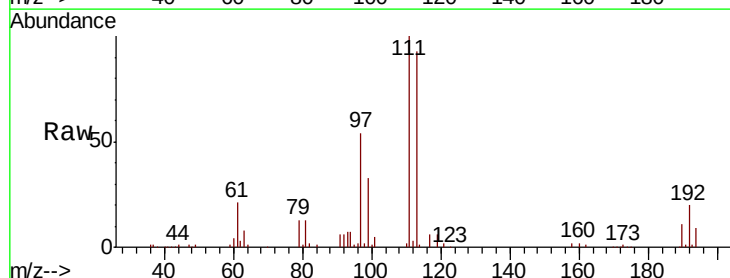
Manual Integrations
APPROVED

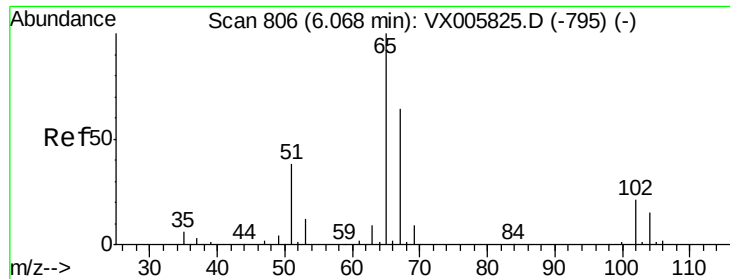
MMDadoda
11/9/2018 11:37:14 AM



#32
1,1,1-Trichloroethane
Concen: 21.278 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	44.5	35.2	52.8





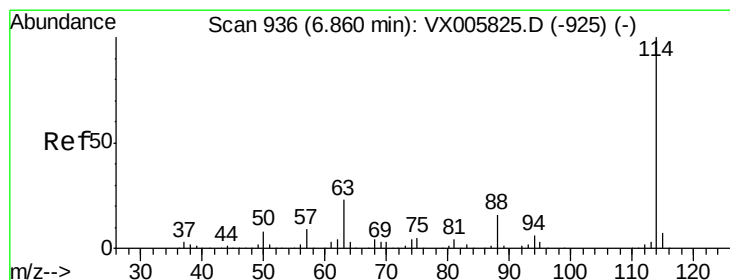
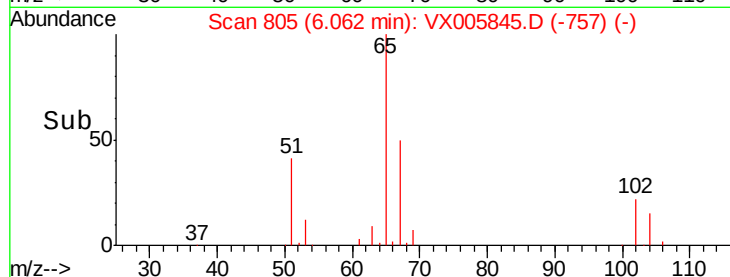
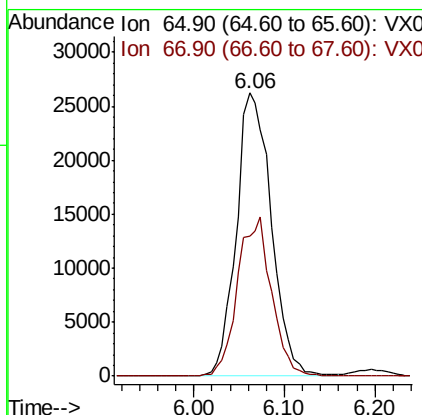
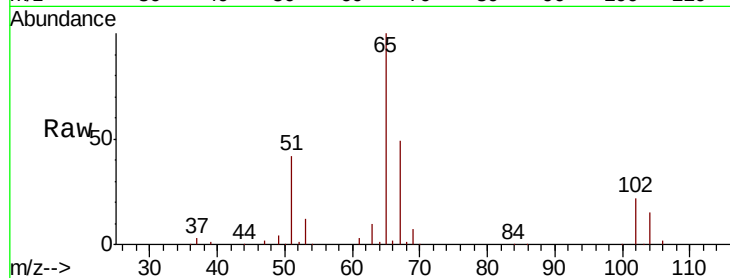
#33
 1,2-Dichloroethane-d4
 Concen: 52.306 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Tot Ion: 65 Resp: 70047
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.0

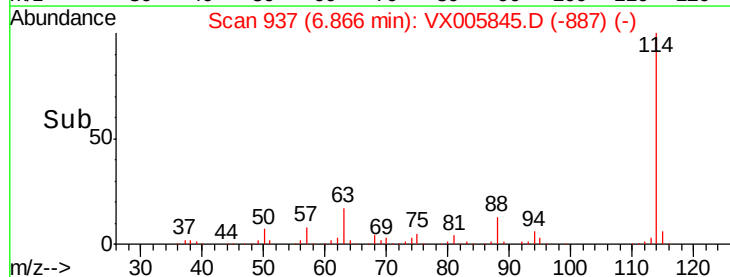
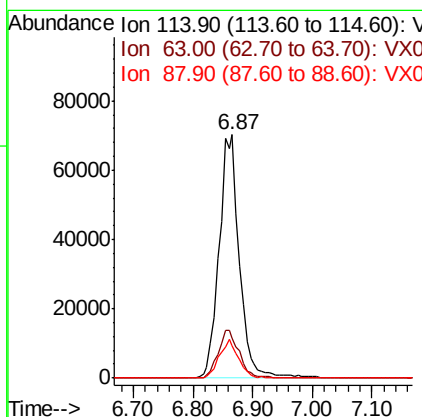
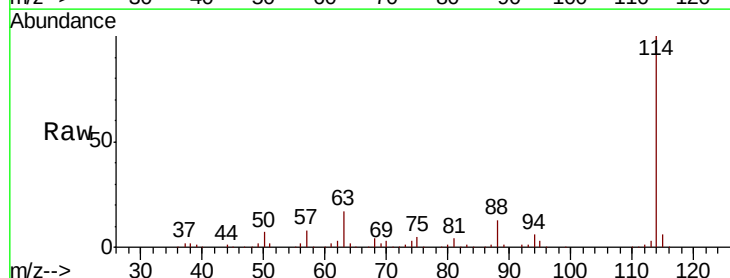
Manual Integrations
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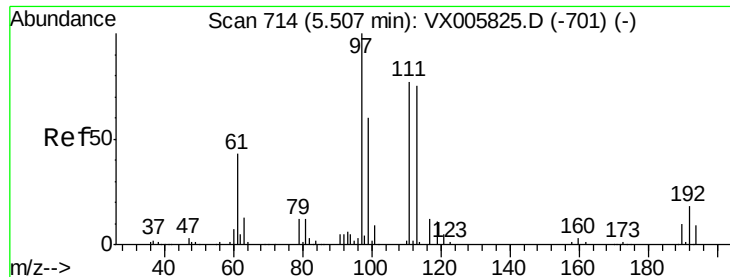
MMDadoda
 11/9/2018 11:37:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion: 114 Resp: 166802
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 42.8
 88 13.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.612 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

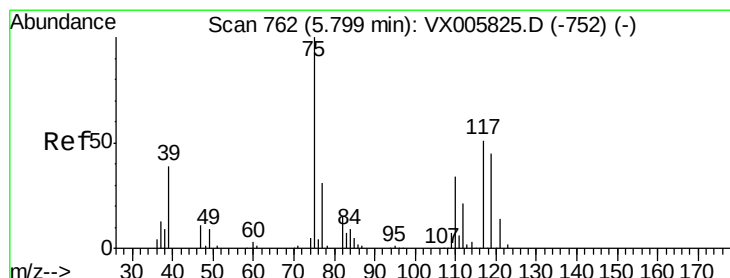
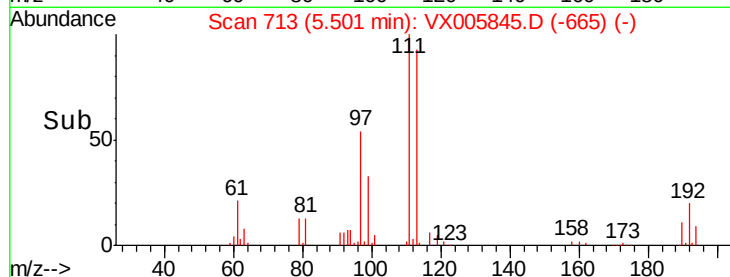
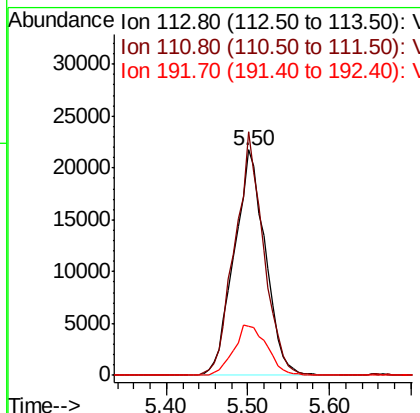
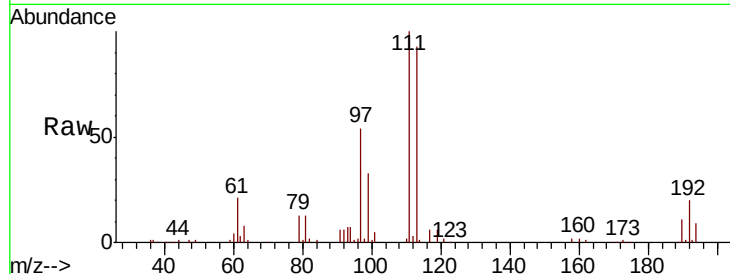
ClientSampleId :

VX1108MBS01

Tot Ion:	113	Resp:	57420
Ion	Ratio	Lower	Upper
113	100		
111	99.7	82.3	123.5
192	23.5	17.9	26.9

Manual Integrations
APPROVED

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11/9/2018 11:37:14 AM



#36

1,1-Dichloropropene

Concen: 19.356 ug/l

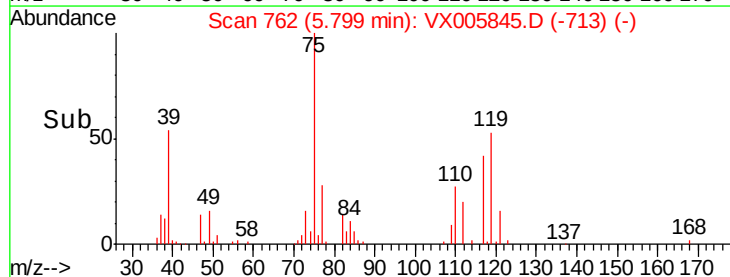
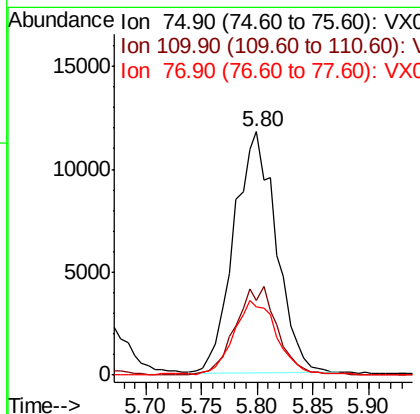
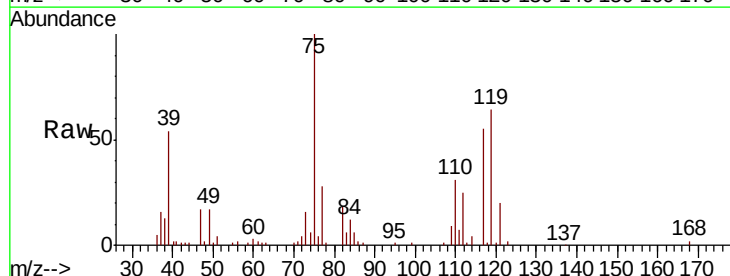
RT: 5.80 min Scan# 762

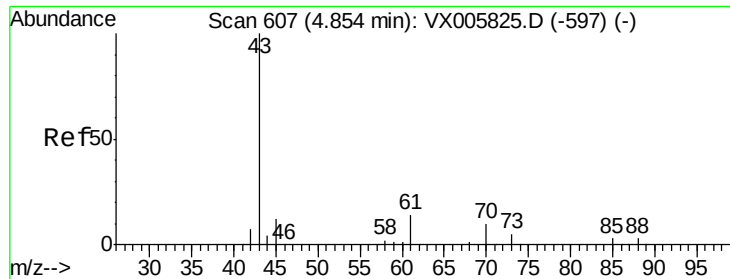
Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Tgt Ion:	75	Resp:	31124
Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.4	52.2
77	31.7	25.8	38.6





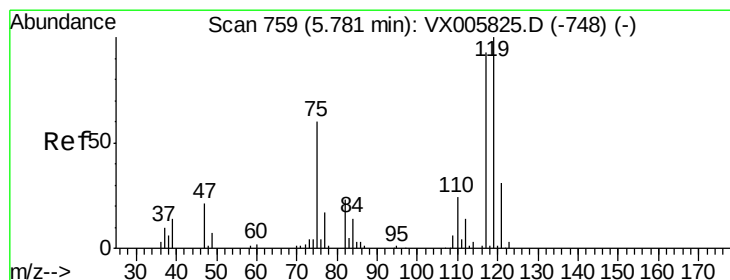
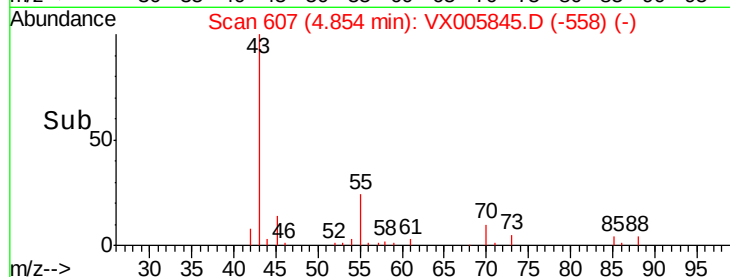
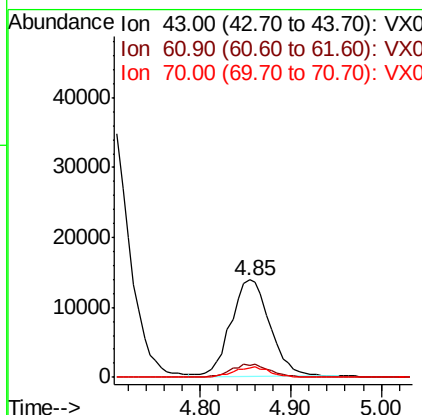
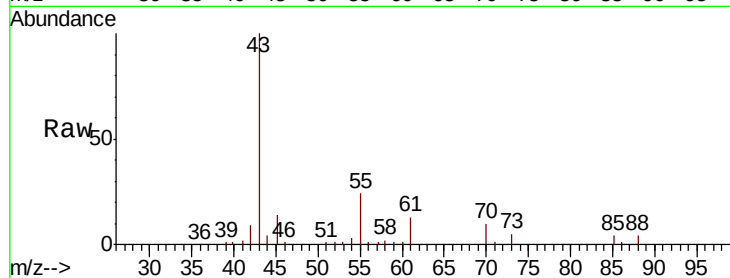
#37
Ethyl Acetate
Concen: 19.616 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.8	11.8

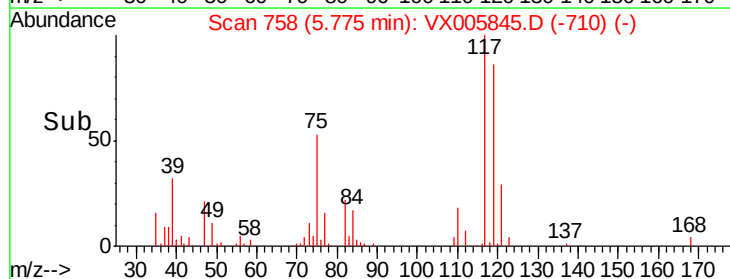
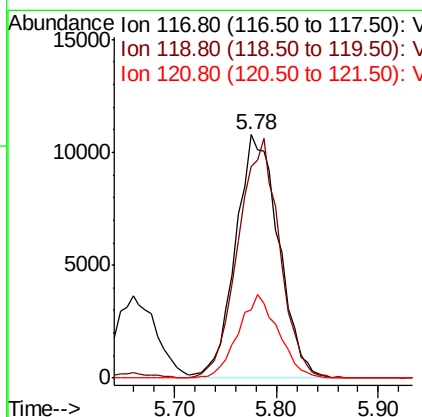
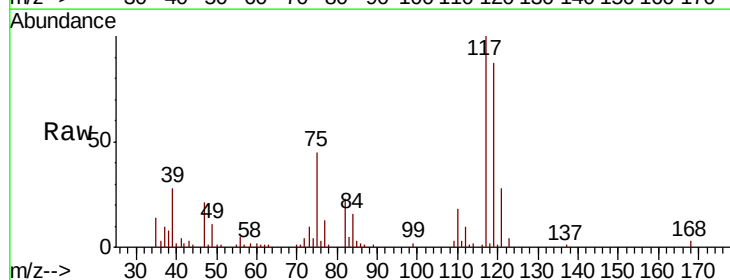
Manual Integrations
APPROVED

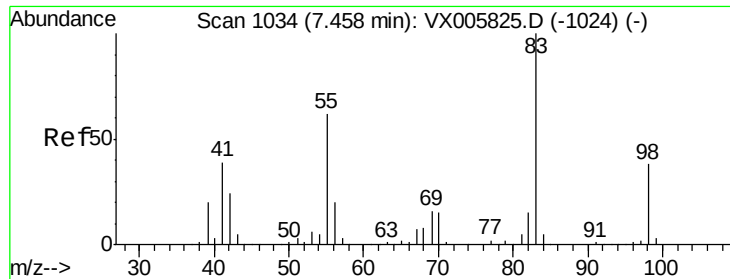
MMDadoda
11/9/2018 11:37:14 AM



#38
Carbon Tetrachloride
Concen: 19.588 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.0	78.1	117.1
121	28.0	24.6	36.8





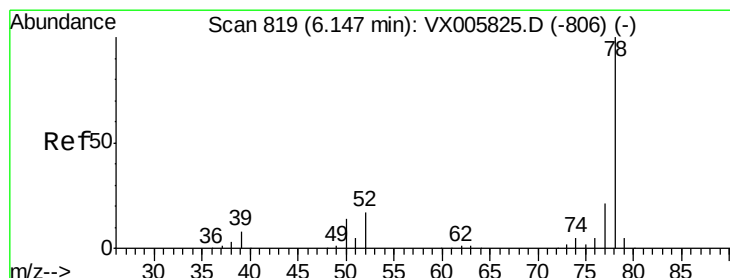
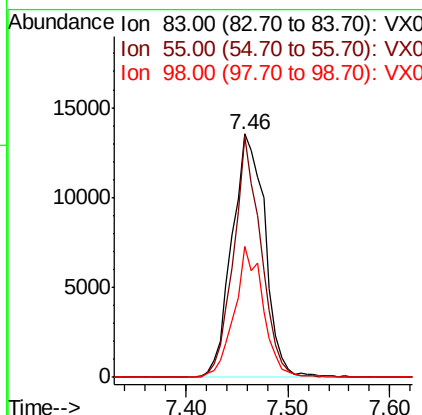
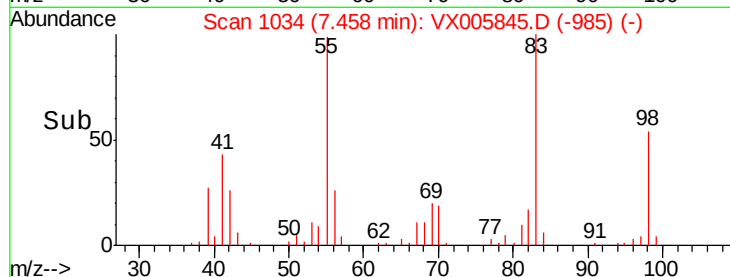
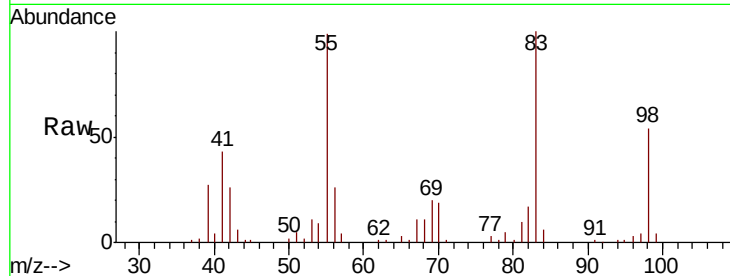
#39
Methylvlcyclohexane
Concen: 18.710 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.0	63.7	95.5#
98	53.7	36.2	54.2

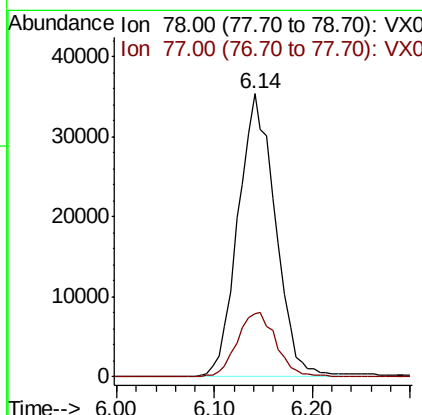
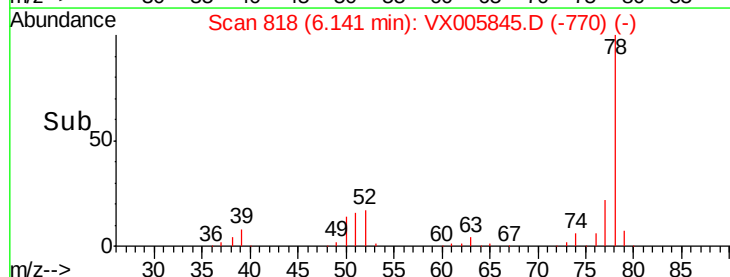
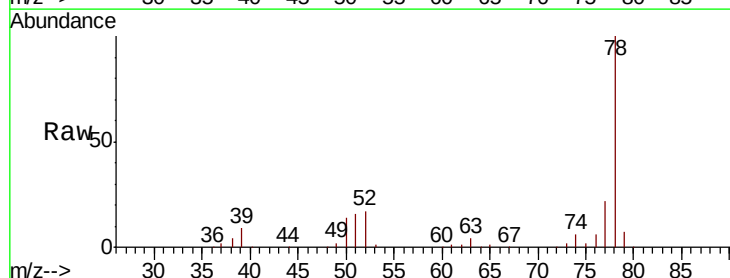
Manual Integrations
APPROVED

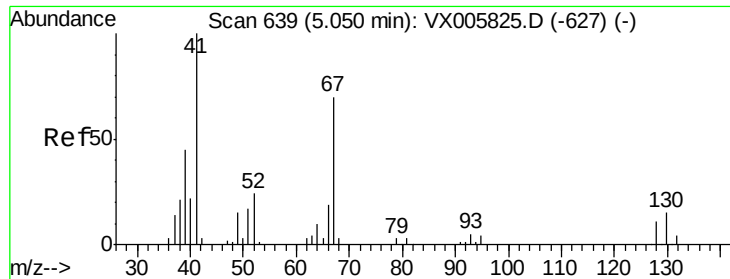
MMDadoda
11/9/2018 11:37:14 AM



#40
Benzene
Concen: 19.982 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.4	27.6





#41

Methacrylonitrile

Concen: 19.809 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

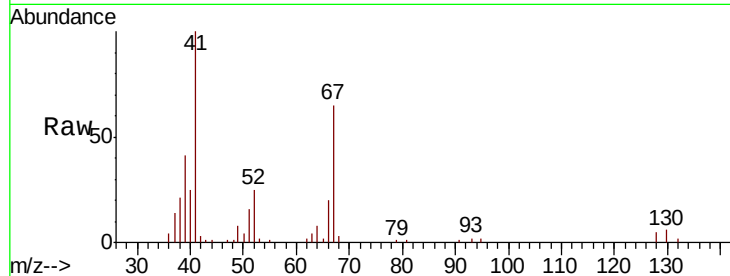
ClientSampleId :

VX1108MBS01

Tot Ion:	41	Resp:	22634
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.2	63.2
67	67.8	53.4	80.0
52	29.2	23.4	35.2

Manual Integrations
APPROVED

MMDadoda
11/9/2018 11:37:14 AM



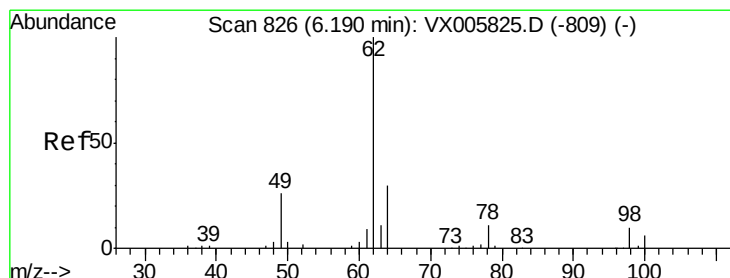
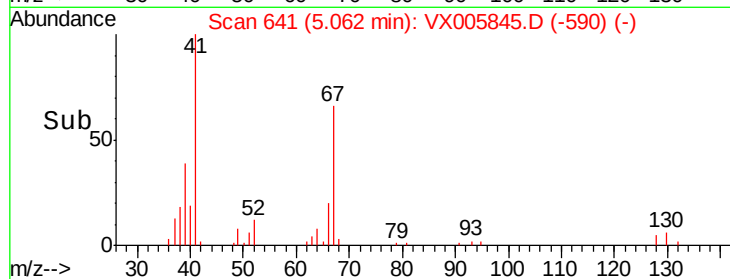
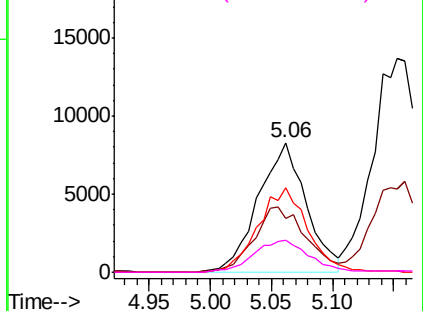
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.244 ug/l

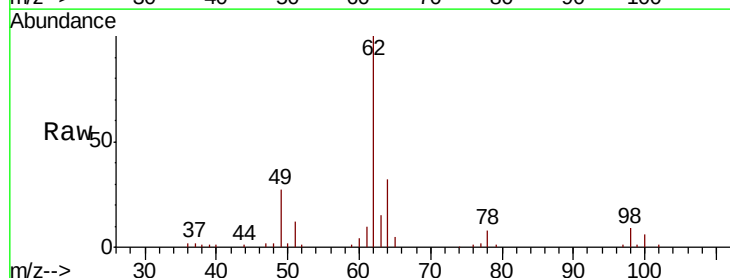
RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

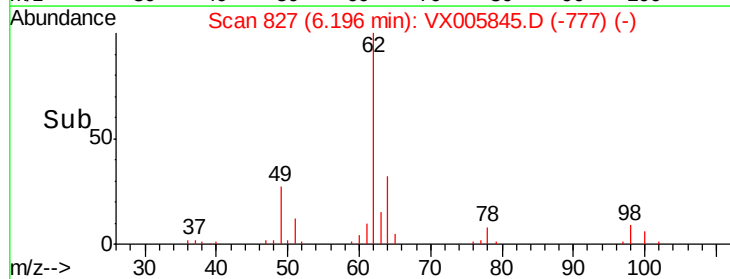
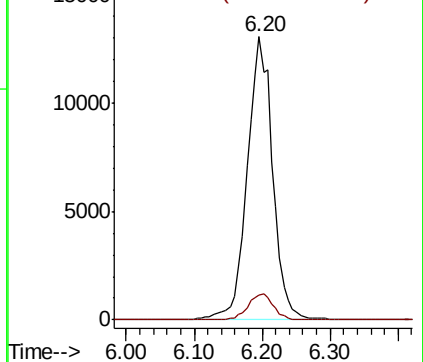
Tgt Ion:	62	Resp:	33990
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8

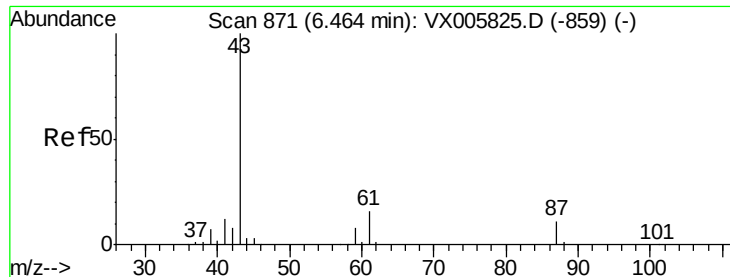


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.319 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

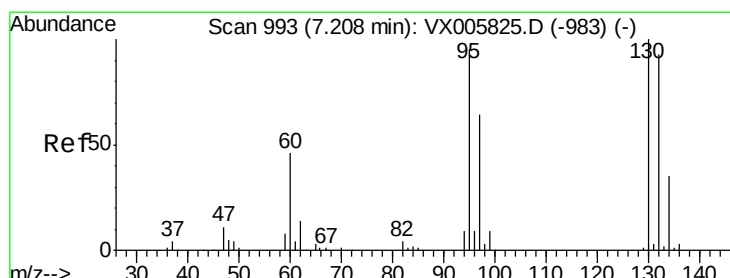
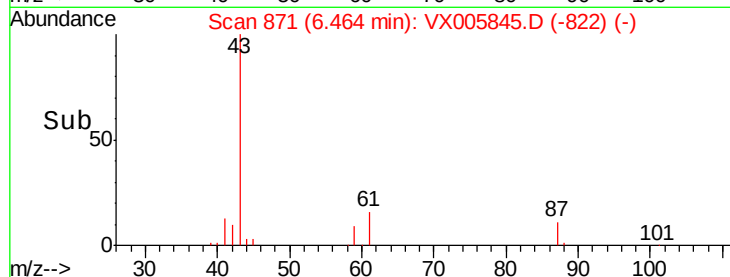
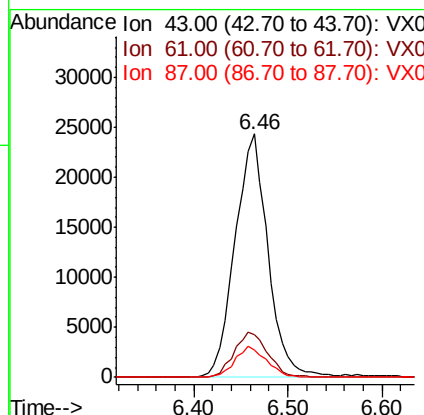
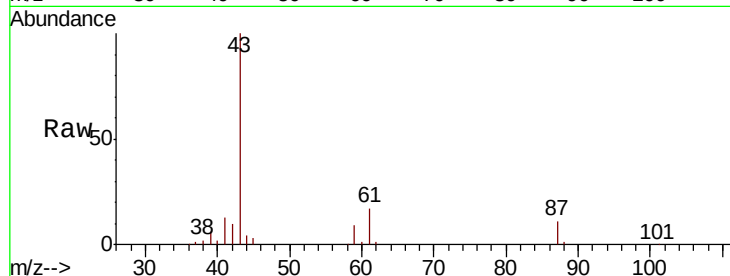
ClientSampleId :

VX1108MBS01

Tot Ion:	43	Resp:	59194
Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.6	22.0
87	12.1	9.6	14.4

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#44

Trichloroethene

Concen: 18.105 ug/l

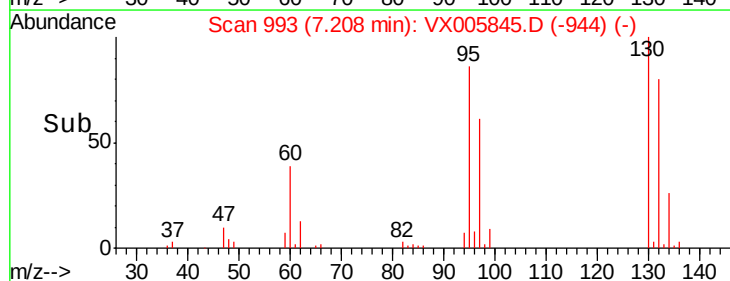
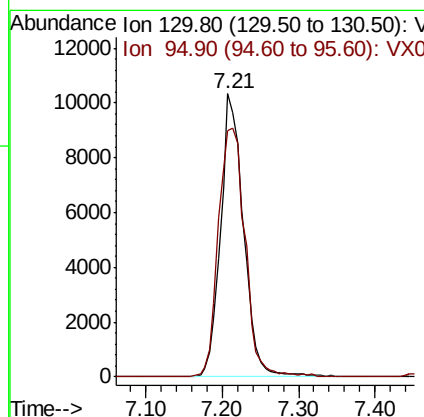
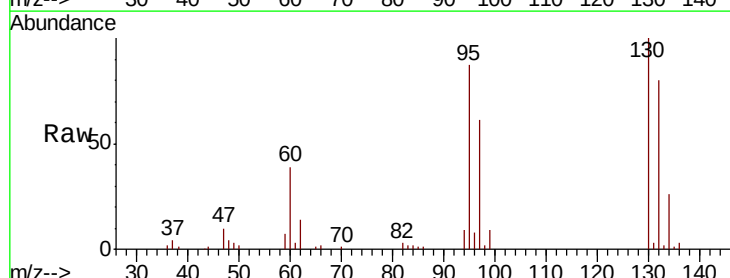
RT: 7.21 min Scan# 993

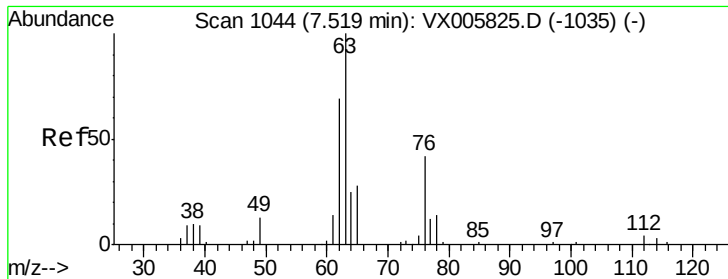
Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Tgt Ion:	130	Resp:	21553
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	194.2





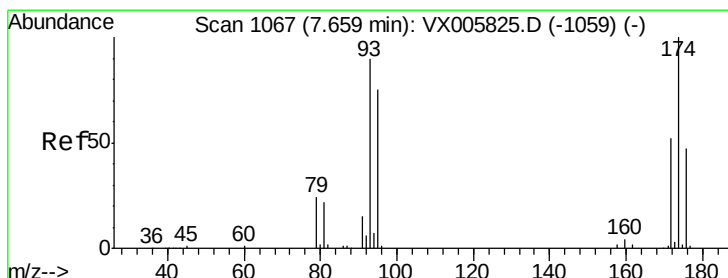
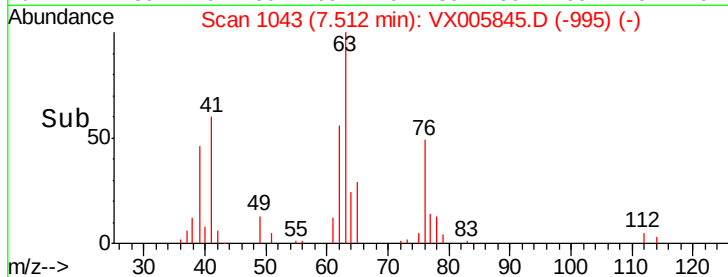
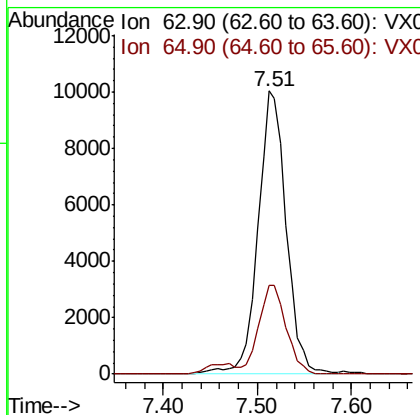
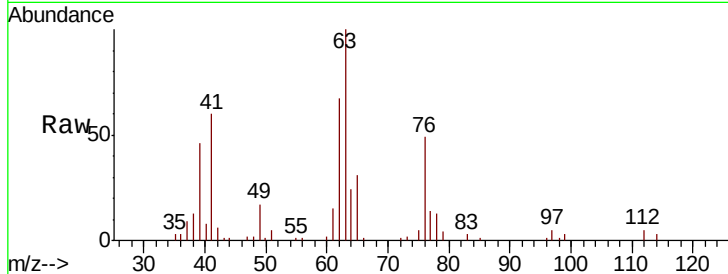
#45
 1,2-Dichloropropane
 Concen: 18.551 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Tot Ion: 63 Resp: 21107
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2

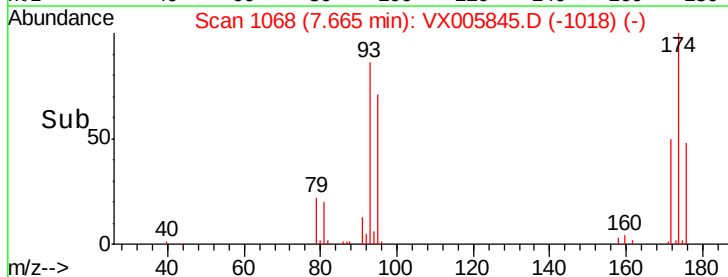
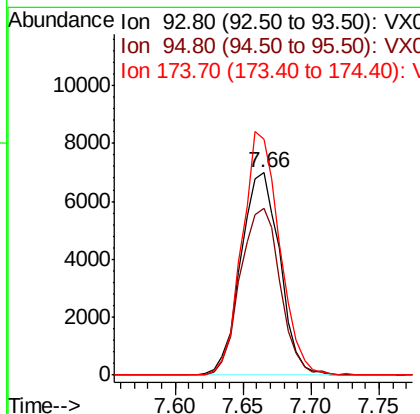
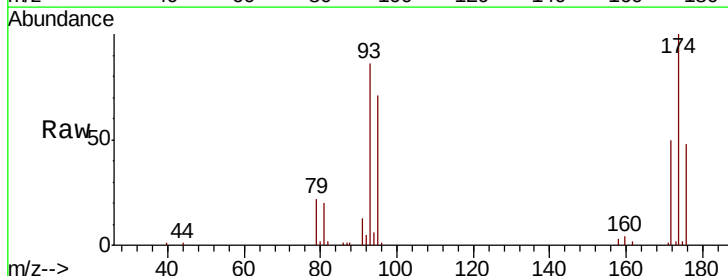
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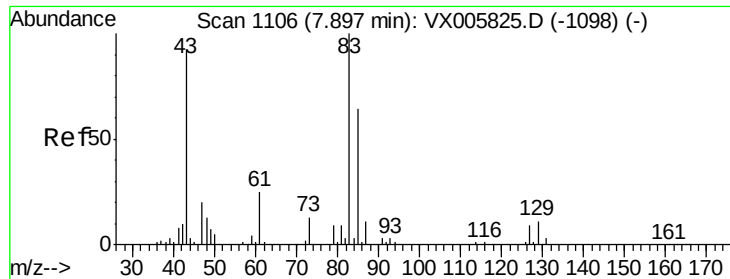
MMDadoda
 11/9/2018 11:37:14 AM



#46
 Dibromomethane
 Concen: 19.579 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion: 93 Resp: 13979
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.4 101.0
 174 116.1 91.5 137.3





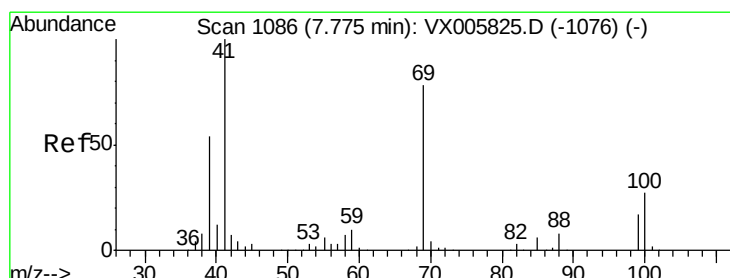
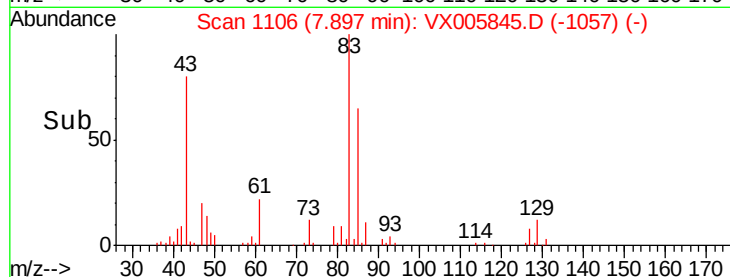
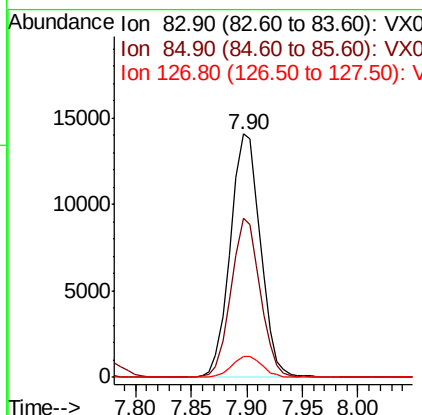
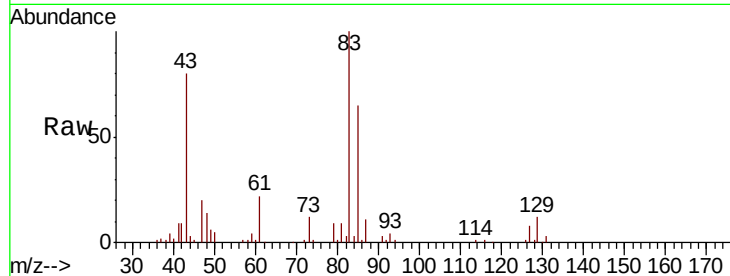
#47
Bromodichloromethane
Concen: 19.626 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.2	75.4
127	8.4	6.9	10.3

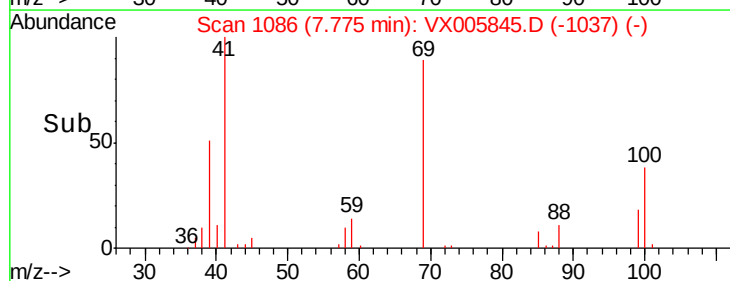
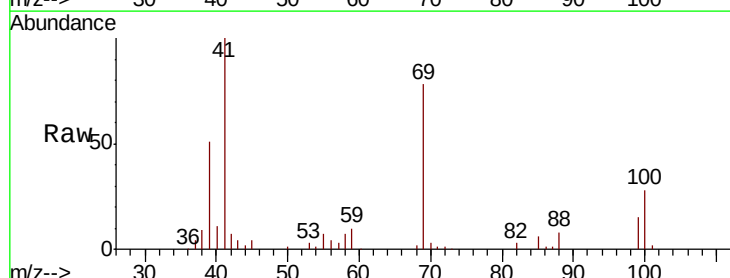
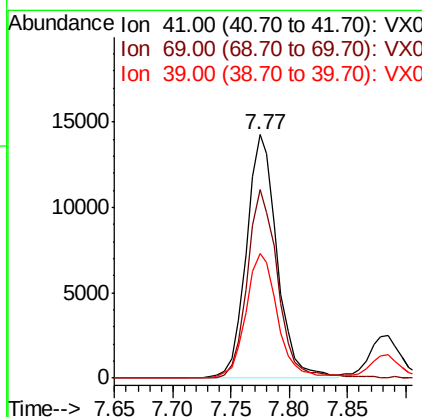
Manual Integrations
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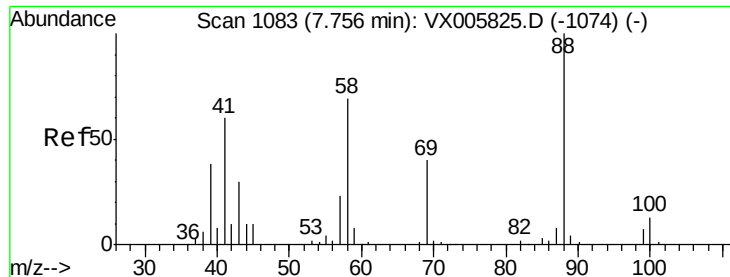
MMDadoda
11/9/2018 11:37:14 AM



#48
Methyl methacrylate
Concen: 19.067 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.2	63.2	94.8
39	53.2	42.2	63.2





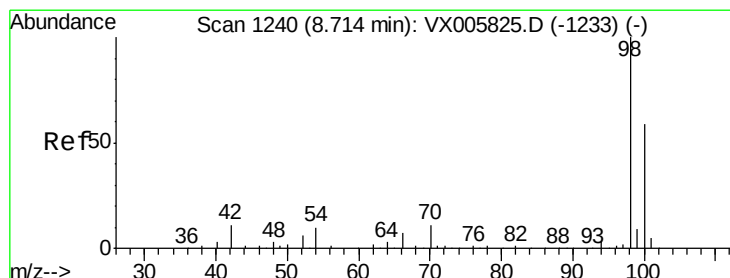
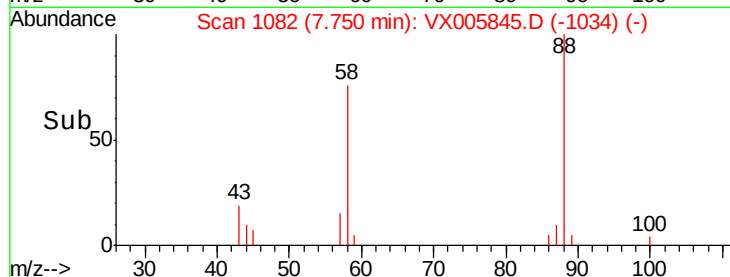
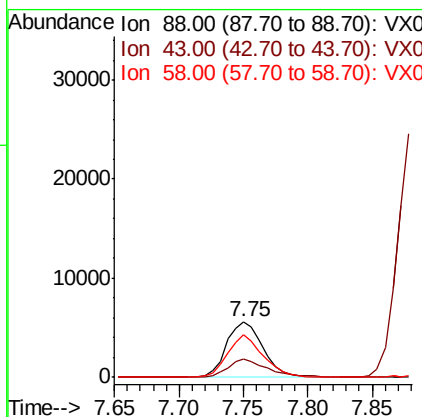
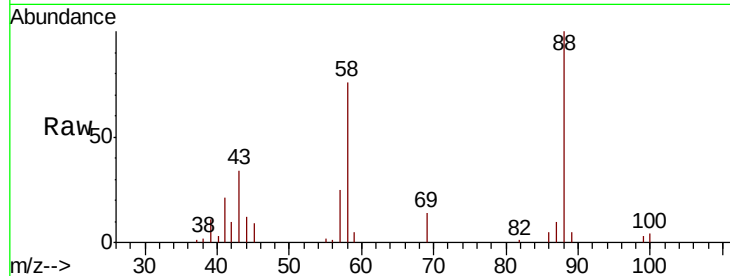
#49
1,4-Dioxane
Concen: 373.431 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.4	41.0
58	74.5	59.4	89.2

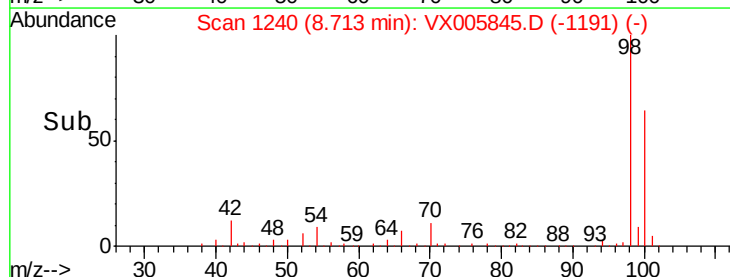
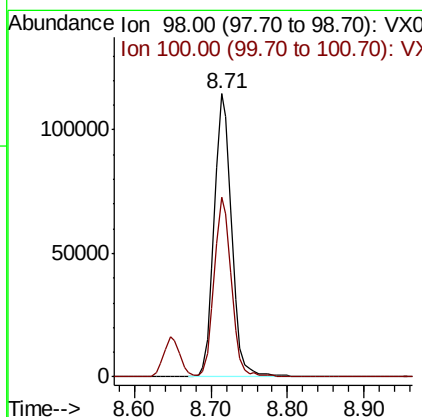
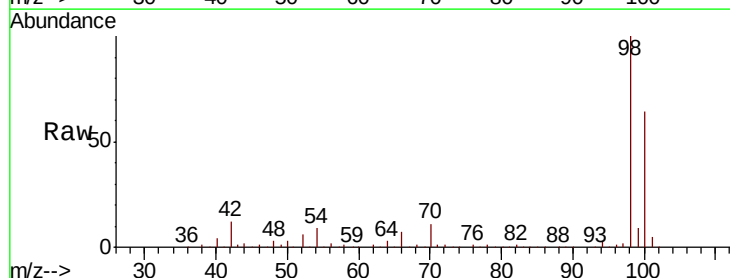
Manual Integrations
APPROVED

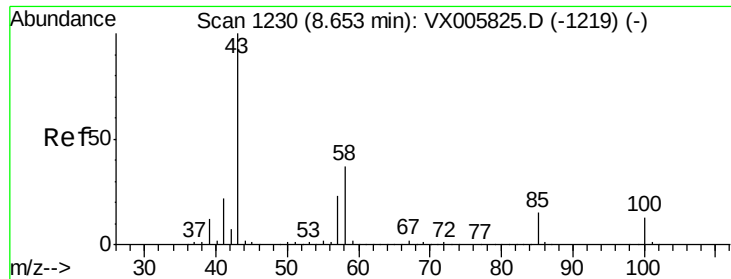
MMDadoda
11/9/2018 11:37:14 AM



#50
Toluene-d8
Concen: 48.287 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 95.326 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampled :

VX1108MBS01

Tot Ion: 43 Resp: 184082

Ion Ratio Lower Upper

43 100

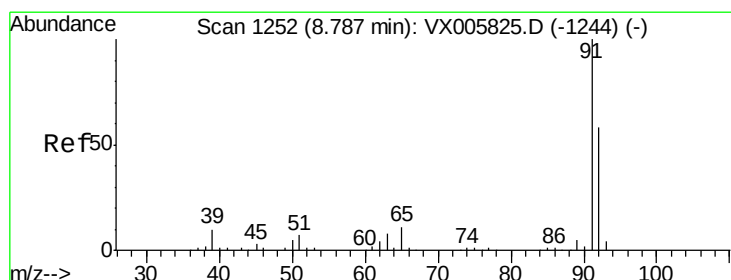
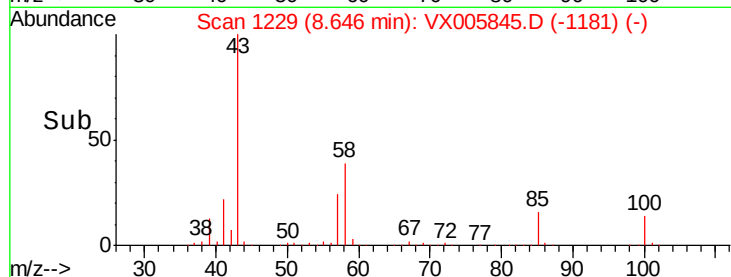
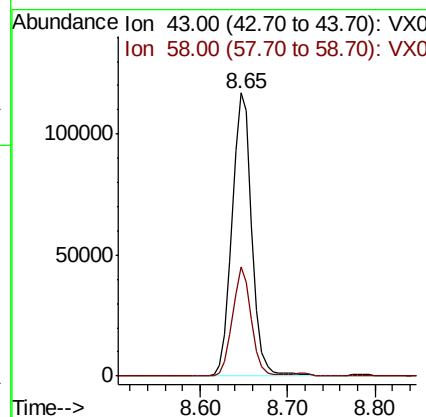
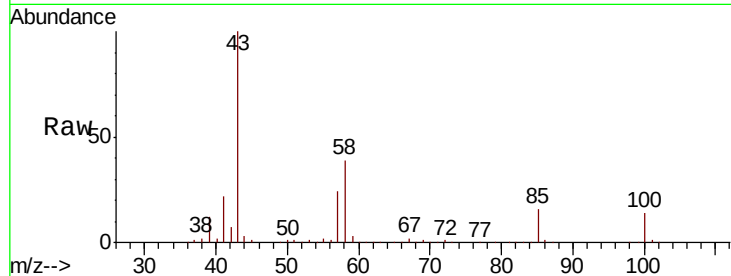
58 36.4 29.7 44.5

Manual Integrations

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MMDadoda

11/9/2018 11:37:14 AM



#52

Toluene

Concen: 18.605 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005845.D

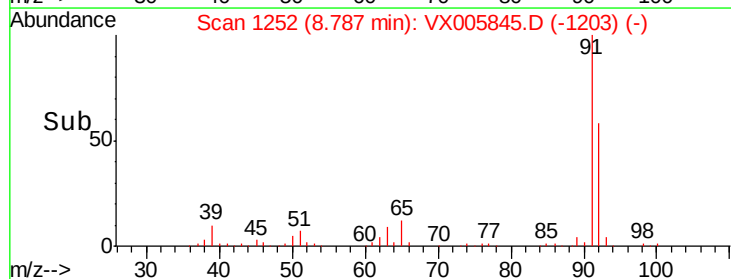
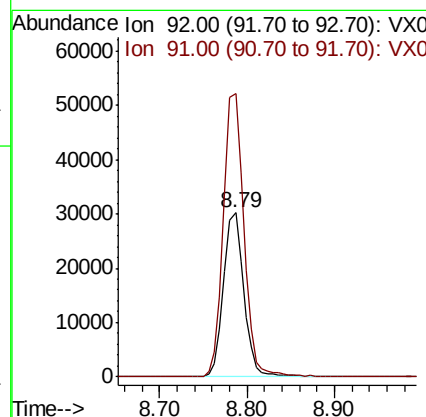
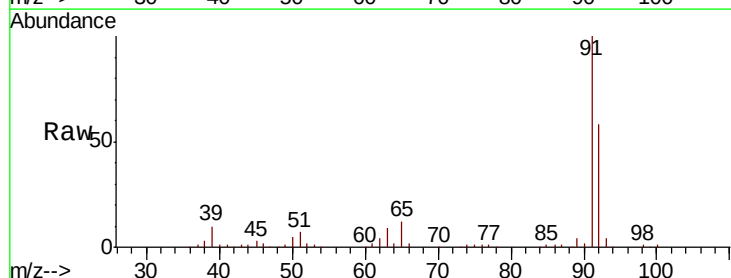
Acq: 08 Nov 2018 14:36

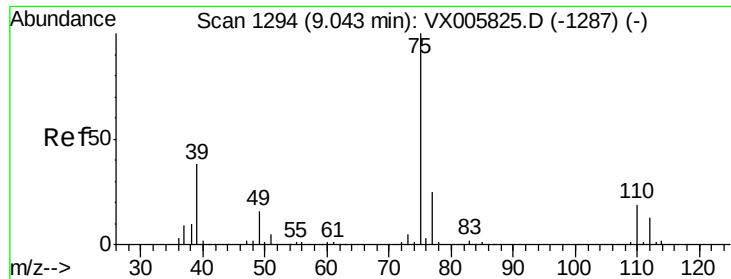
Tgt Ion: 92 Resp: 48743

Ion Ratio Lower Upper

92 100

91 175.3 140.4 210.6





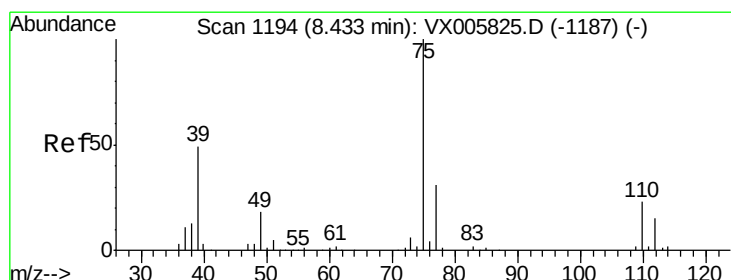
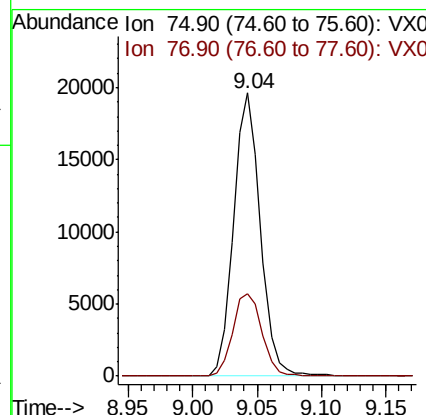
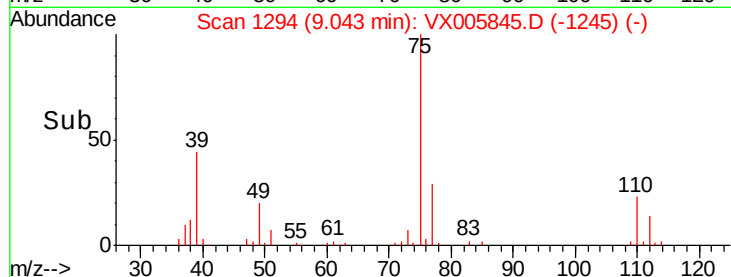
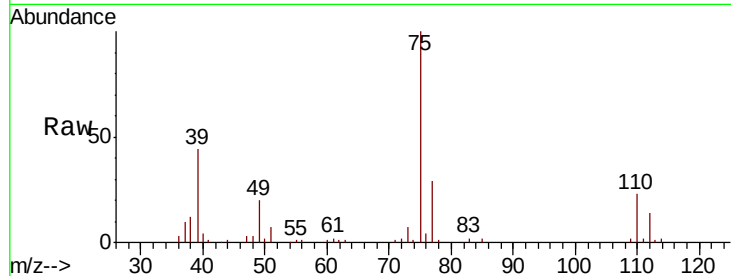
#53
t-1,3-Dichloropropene
Concen: 17.922 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion: 75 Resp: 28537
Ion Ratio Lower Upper
75 100
77 29.2 25.4 38.2

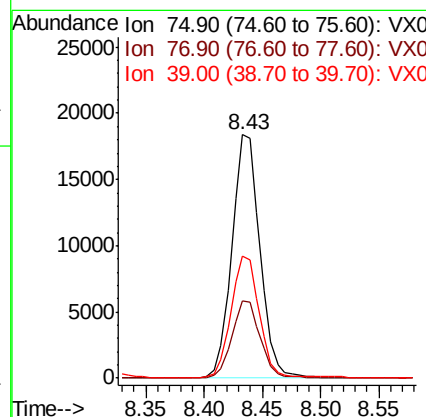
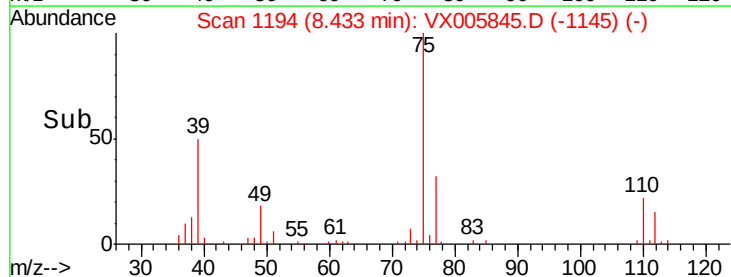
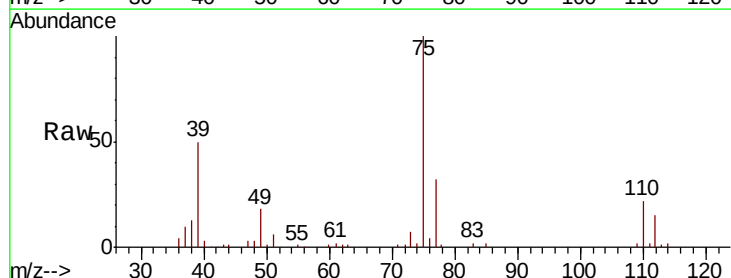
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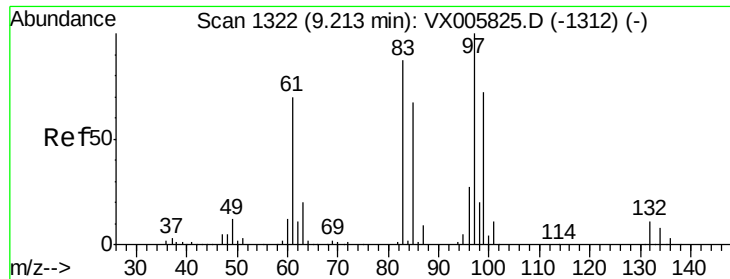
MMDadoda
11/9/2018 11:37:14 AM



#54
cis-1,3-Dichloropropene
Concen: 18.936 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion: 75 Resp: 30733
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 50.0 38.2 57.2





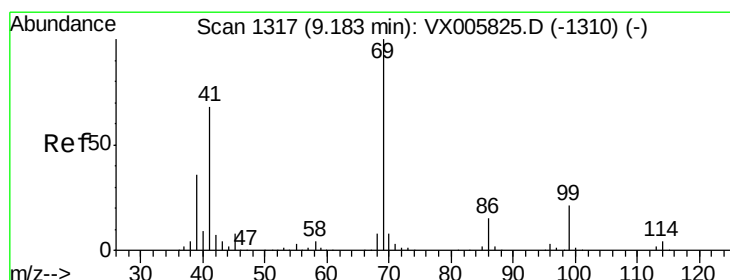
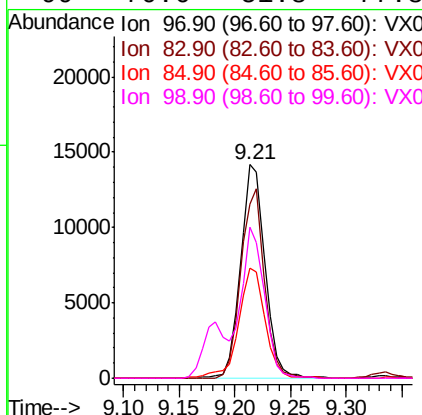
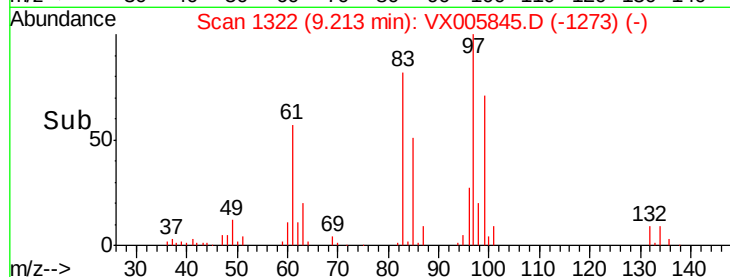
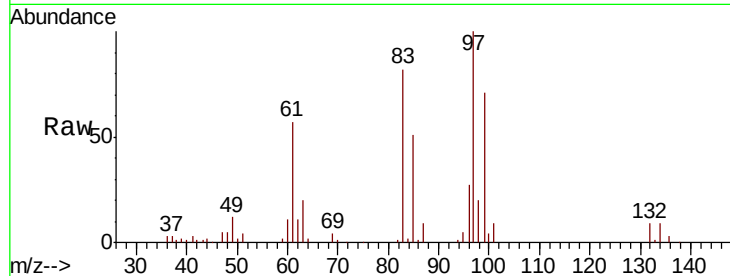
#55
1,1,2-Trichloroethane
Concen: 18.437 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion:	97	Resp:	21528
Ion	Ratio	Lower	Upper
97	100		
83	81.7	70.7	106.1
85	51.3	45.8	68.6
99	70.6	51.8	77.8

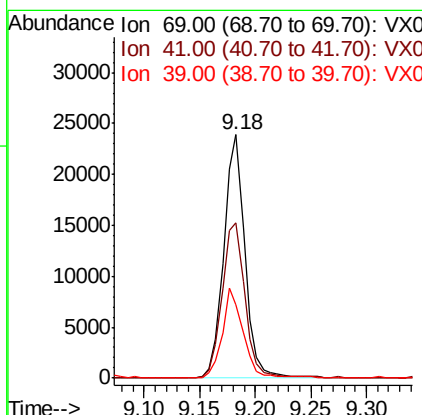
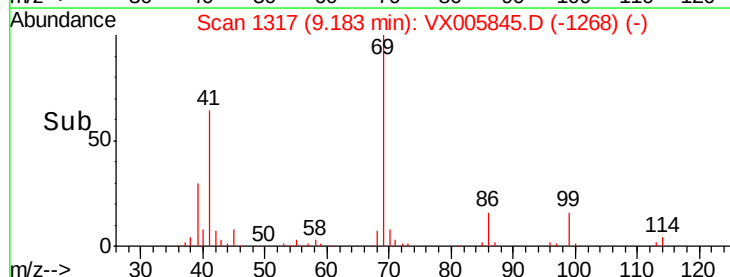
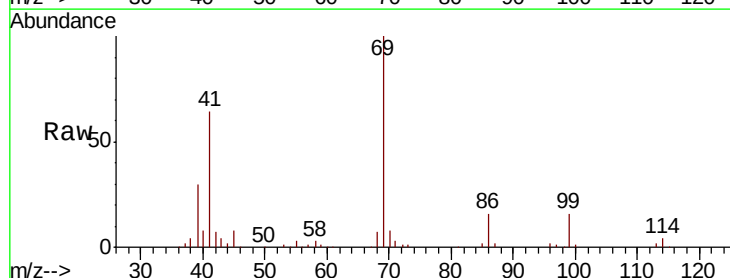
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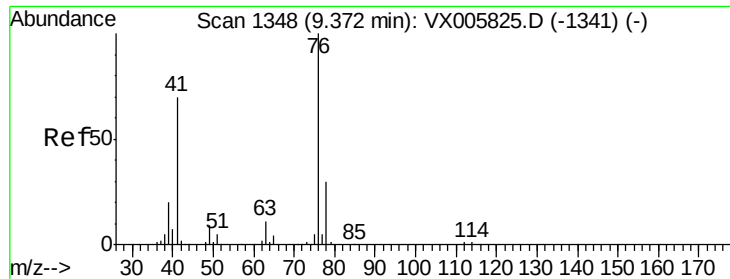
MMDadoda
11/9/2018 11:37:14 AM



#56
Ethyl methacrylate
Concen: 18.007 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion:	69	Resp:	31459
Ion	Ratio	Lower	Upper
69	100		
41	69.7	57.0	85.6
39	37.0	28.3	42.5





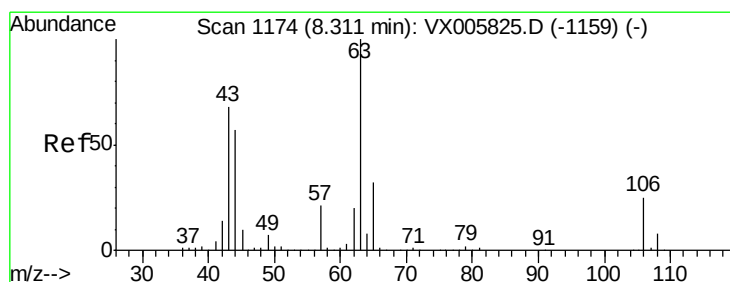
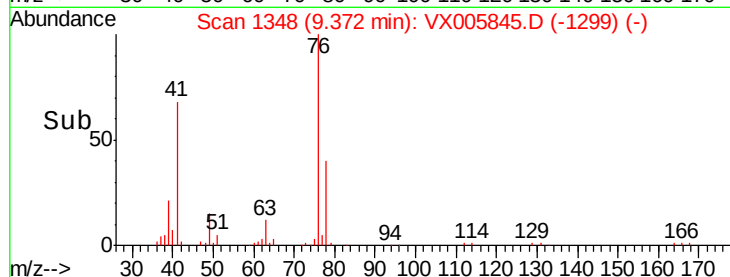
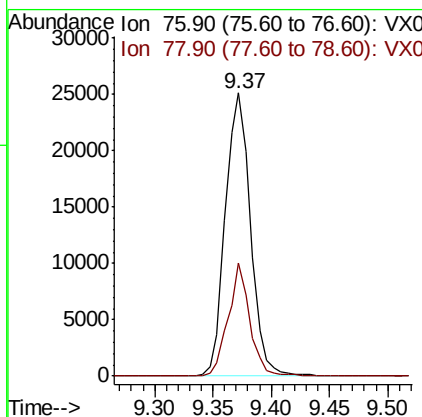
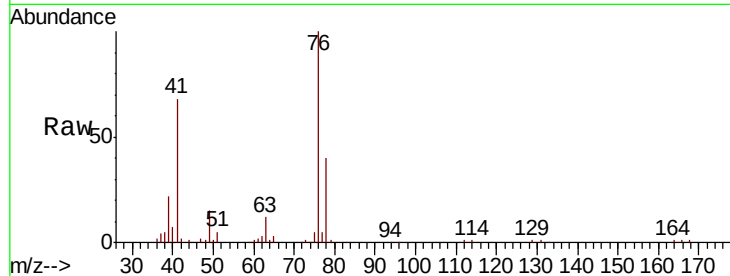
#57
 1,3-Dichloropropane
 Concen: 19.200 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Tot Ion: 76 Resp: 37674
 Ion Ratio Lower Upper
 76 100
 78 34.3 25.3 37.9

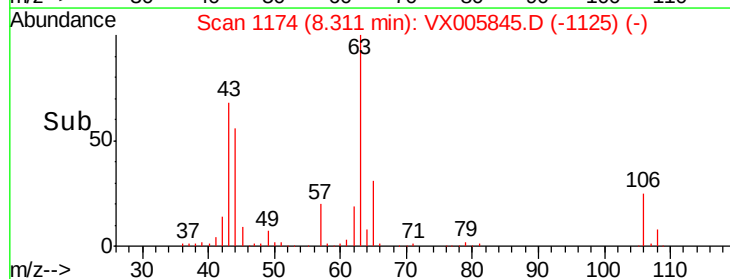
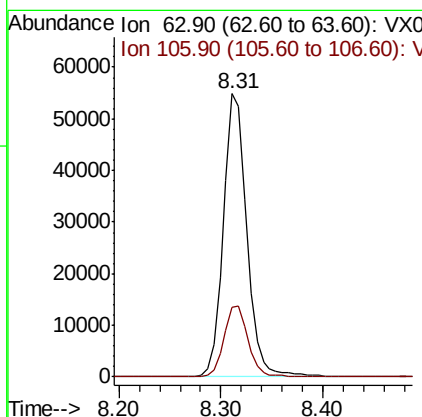
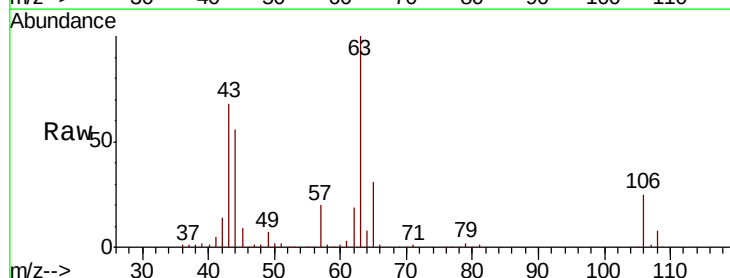
Manual Integrations
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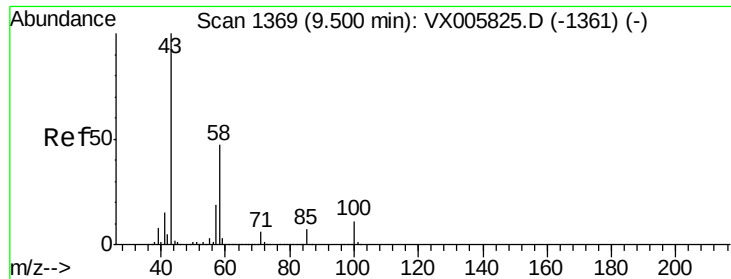
MMDadoda
 11/9/2018 11:37:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.296 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion: 63 Resp: 87646
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.3 31.9





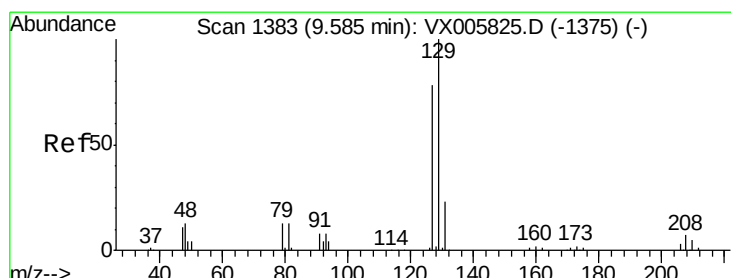
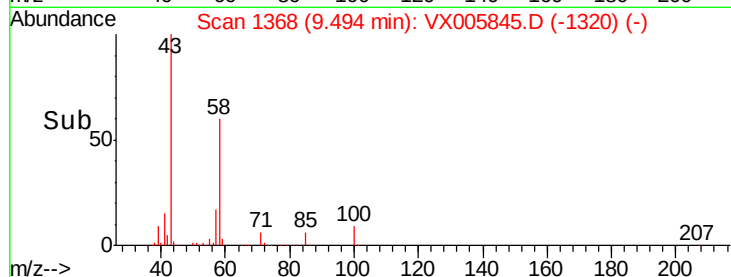
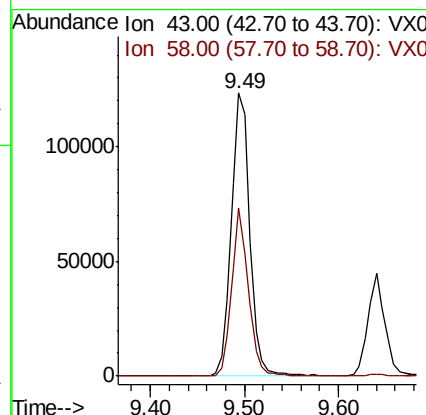
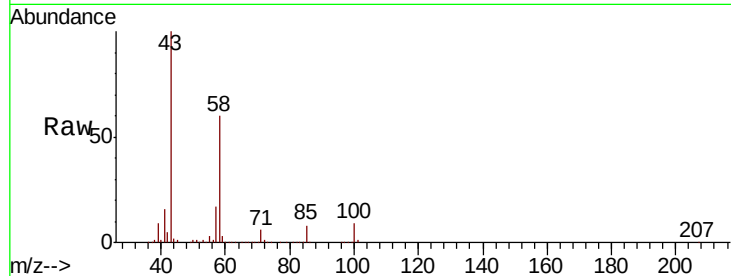
#59
2-Hexanone
Concen: 98.983 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion: 43 Resp: 168484
Ion Ratio Lower Upper
43 100
58 53.7 25.9 77.8

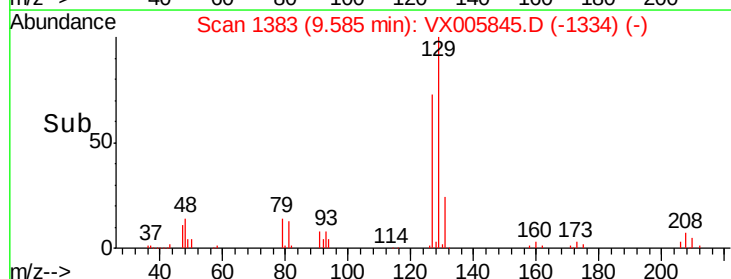
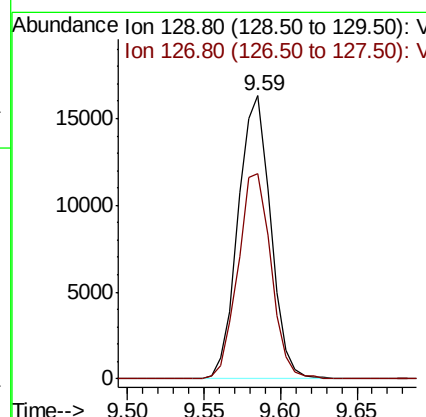
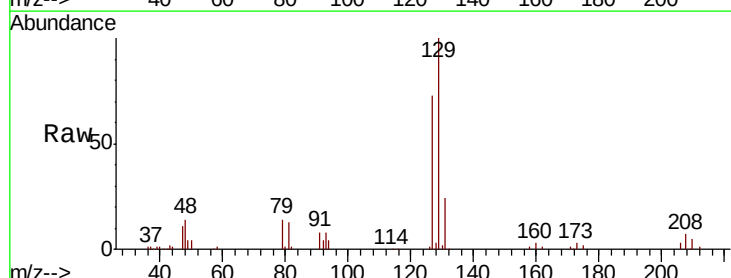
Manual Integrations
APPROVED

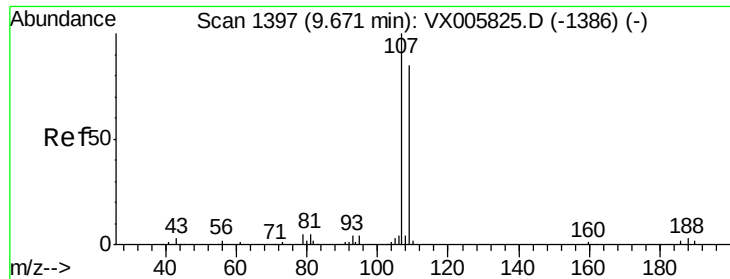
MMDadoda
11/9/2018 11:37:14 AM



#60
Dibromochloromethane
Concen: 19.070 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion:129 Resp: 24065
Ion Ratio Lower Upper
129 100
127 74.1 38.9 116.7





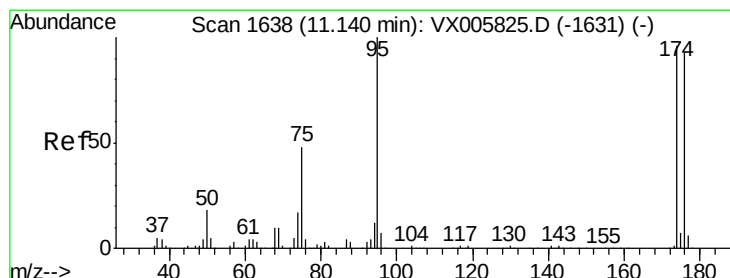
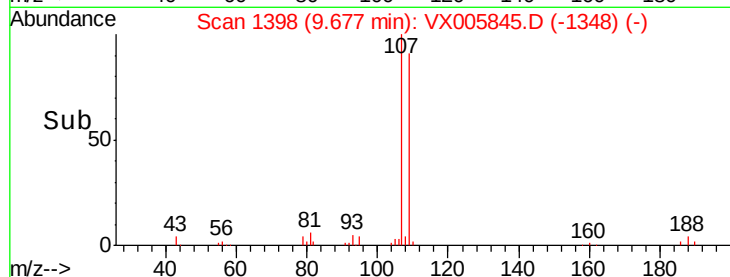
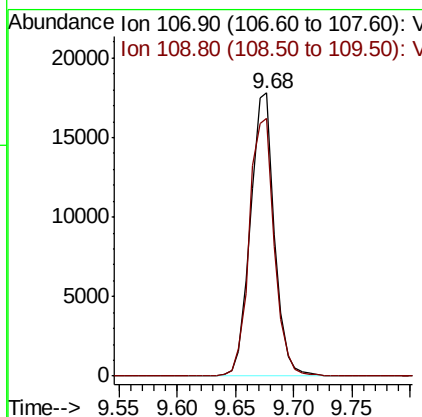
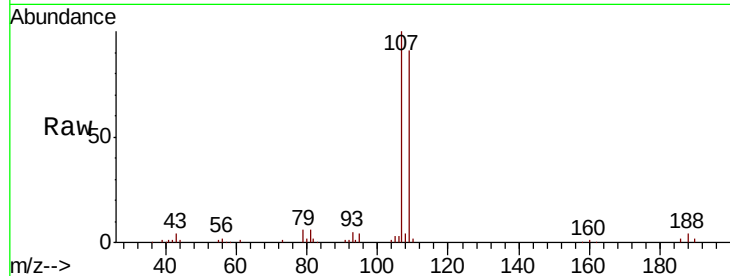
#61
 1,2-Dibromoethane
 Concen: 19.905 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Tot Ion: 107 Resp: 25700
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5

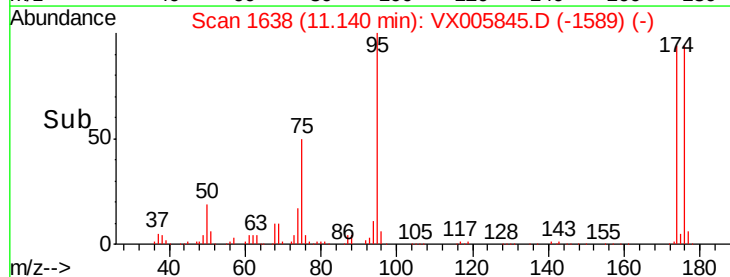
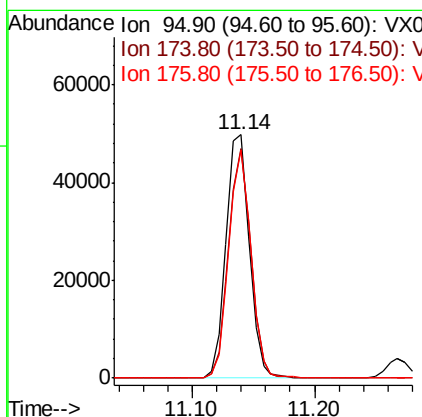
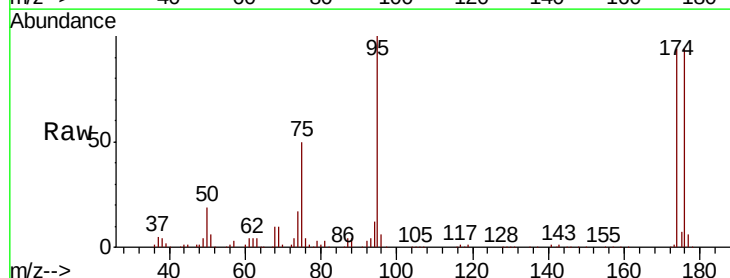
Manual Integrations
 APPROVED

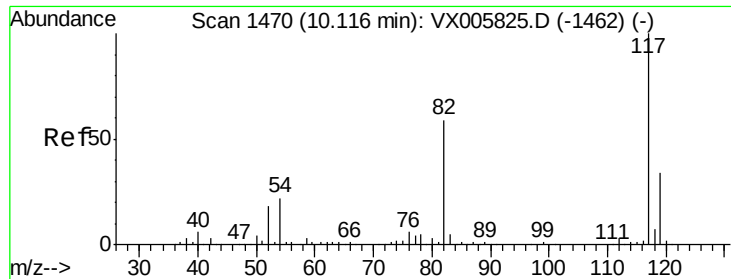
MMDadoda
 11/9/2018 11:37:14 AM



#62
 4-Bromofluorobenzene
 Concen: 48.475 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion: 95 Resp: 65736
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 184.4
 176 88.7 0.0 177.4





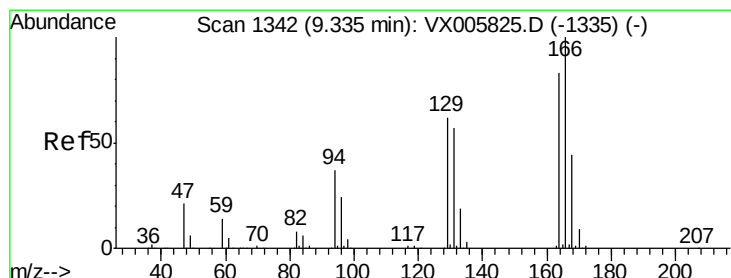
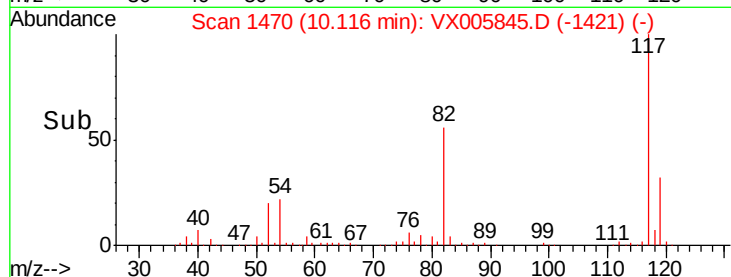
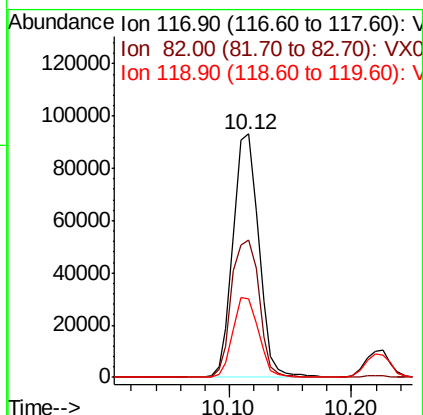
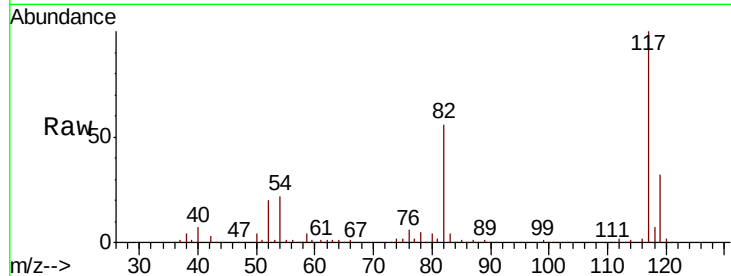
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.1	66.1
119	32.4	26.2	39.2

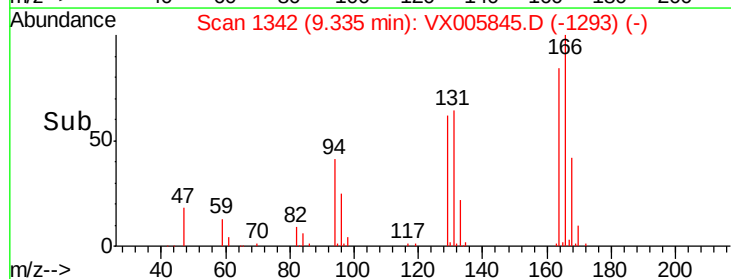
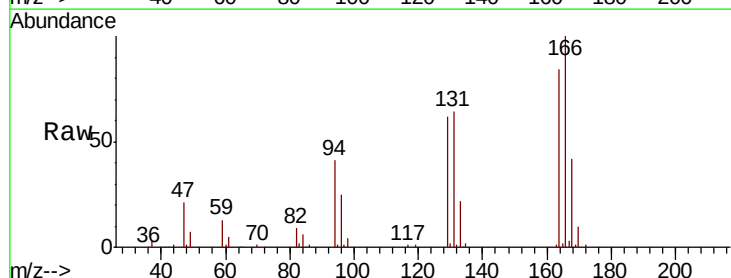
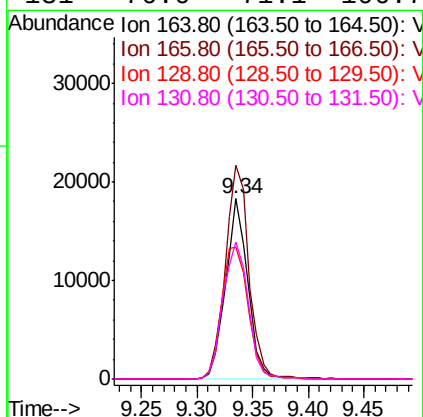
Manual Integrations
APPROVED

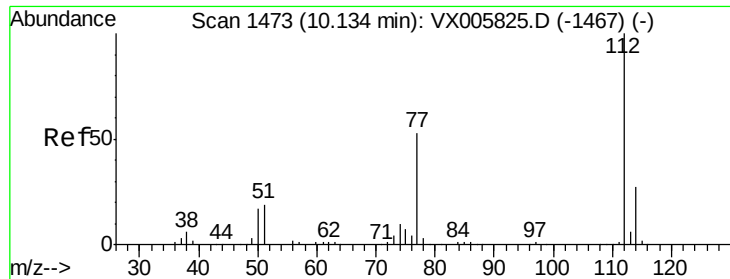
MMDadoda
11/9/2018 11:37:14 AM



#64
Tetrachloroethene
Concen: 21.809 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.7	101.9	152.9
129	73.1	72.6	109.0
131	76.0	71.1	106.7





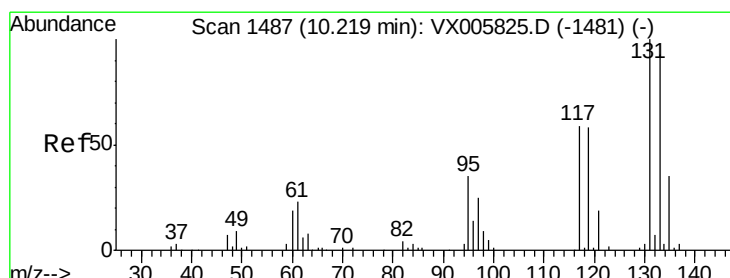
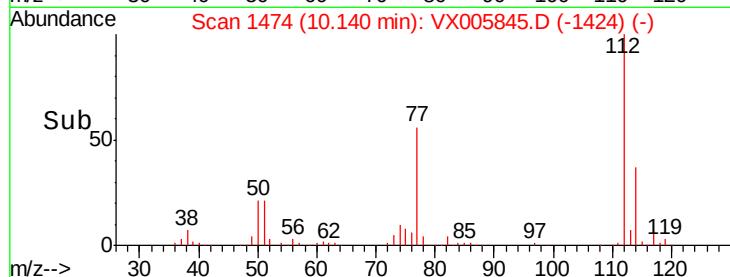
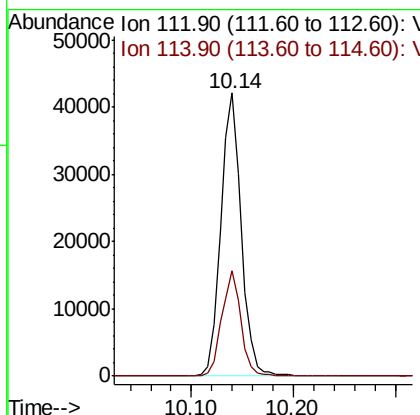
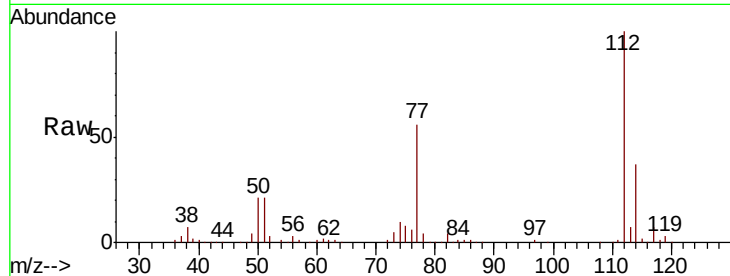
#65
Chlorobenzene
Concen: 21.611 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion:112 Resp: 58748
Ion Ratio Lower Upper
112 100
114 37.5 25.8 38.6

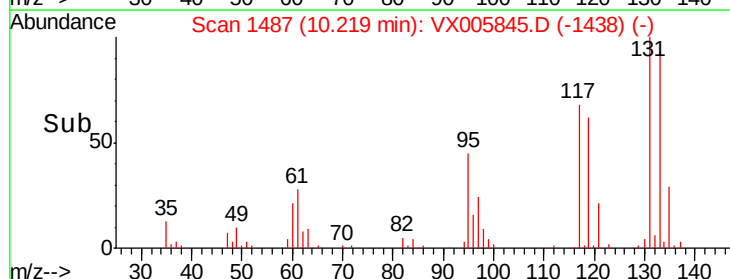
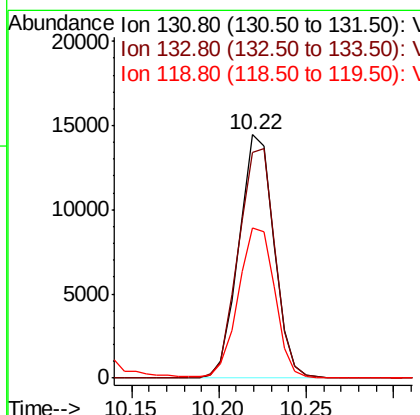
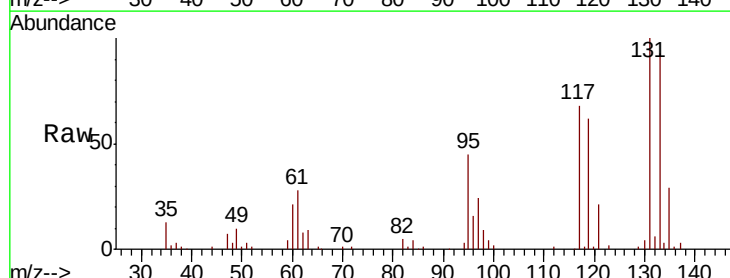
Manual Integrations
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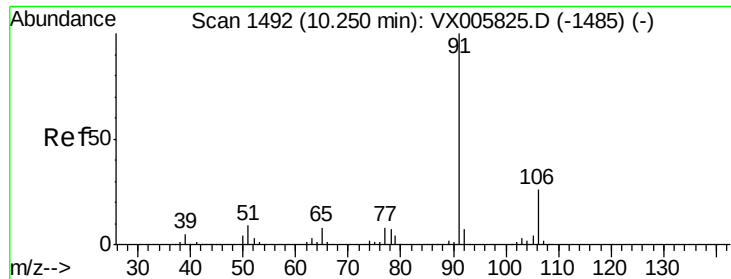
MMDadoda
11/9/2018 11:37:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.394 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion:131 Resp: 20219
Ion Ratio Lower Upper
131 100
133 98.2 47.5 142.5
119 64.4 31.8 95.3





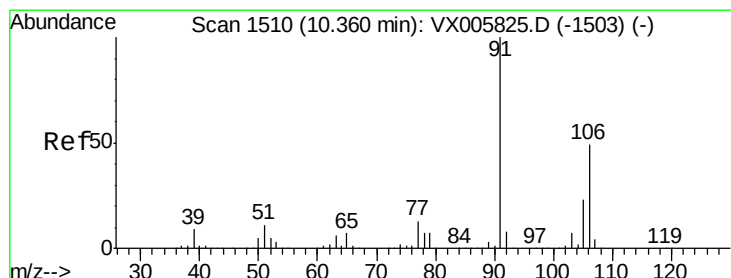
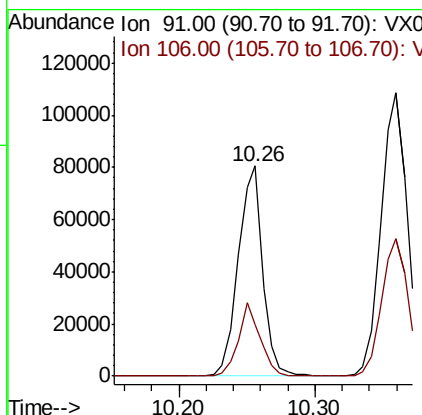
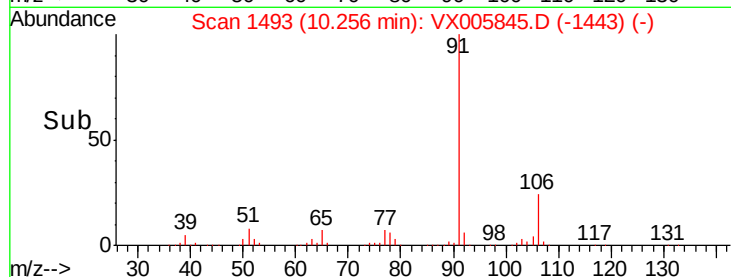
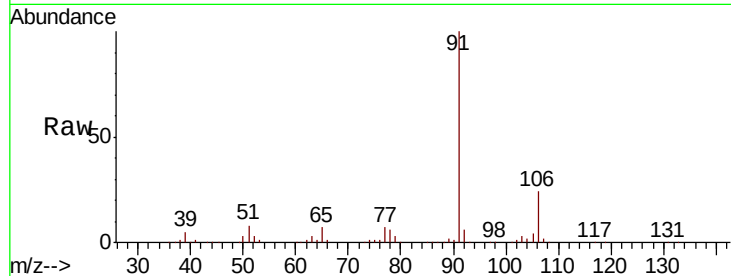
#67
Ethyl Benzene
Concen: 23.040 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampled :
VX1108MBS01

Tot Ion: 91 Resp: 100434
Ion Ratio Lower Upper
91 100
106 24.4 24.4 36.6#

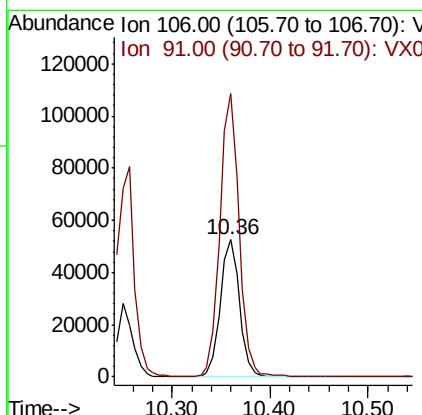
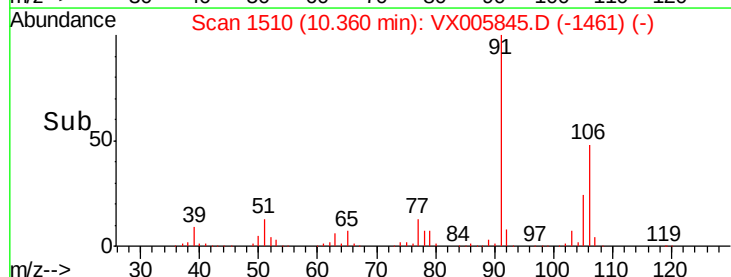
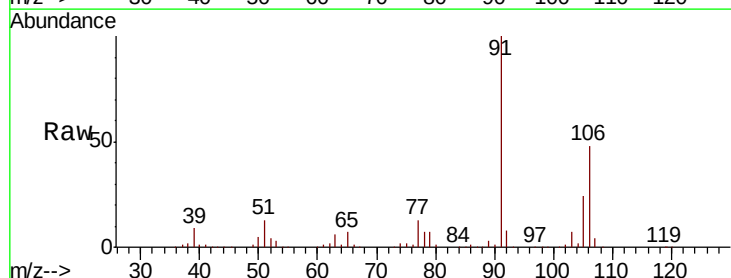
Manual Integrations
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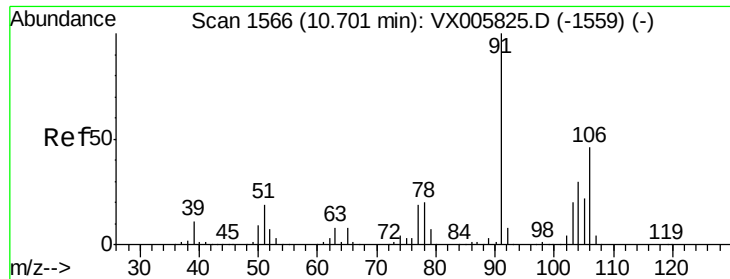
MMDadoda
11/9/2018 11:37:14 AM



#68
m/p-Xylenes
Concen: 43.356 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion: 106 Resp: 72088
Ion Ratio Lower Upper
106 100
91 205.9 164.2 246.4





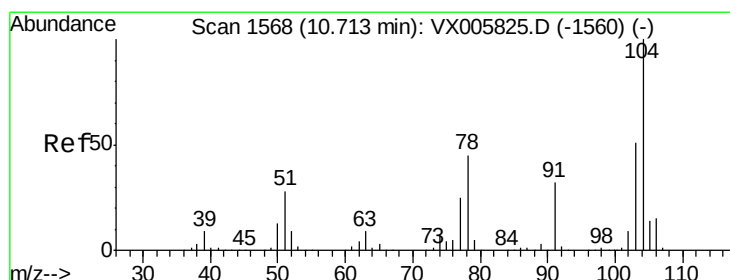
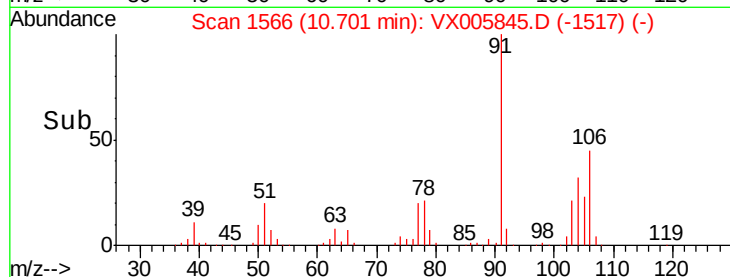
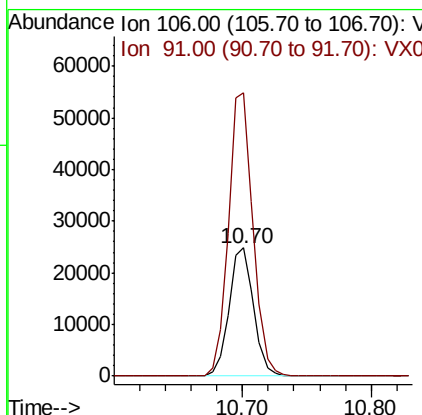
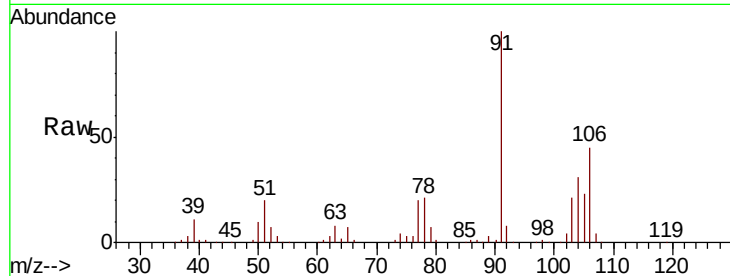
#69
o-Xylene
Concen: 22.241 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion:106 Resp: 33160
Ion Ratio Lower Upper
106 100
91 221.2 108.5 325.5

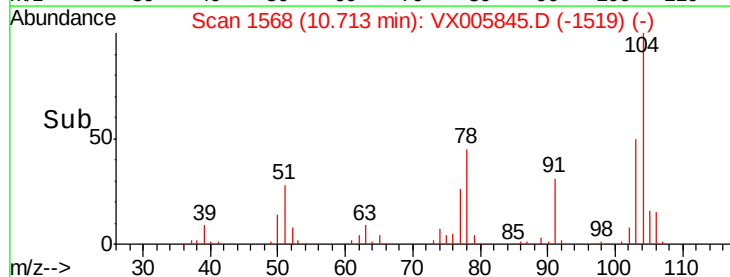
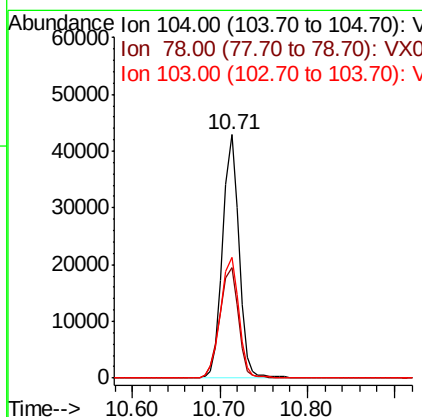
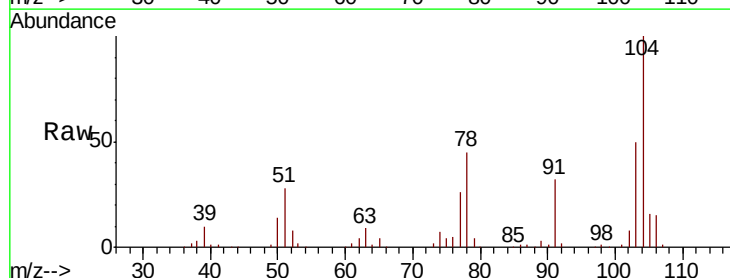
Manual Integrations
APPROVED

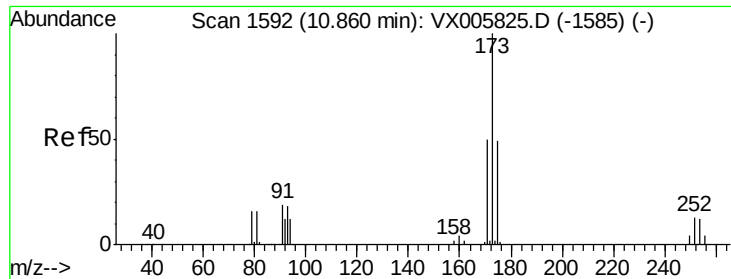
MMDadoda
11/9/2018 11:37:14 AM



#70
Styrene
Concen: 22.676 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion:104 Resp: 55772
Ion Ratio Lower Upper
104 100
78 51.6 40.2 60.4
103 55.9 44.9 67.3





#71

Bromoform

Concen: 21.169 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion:173 Resp: 16771

Ion Ratio Lower Upper

173 100

175 49.1 24.8 74.3

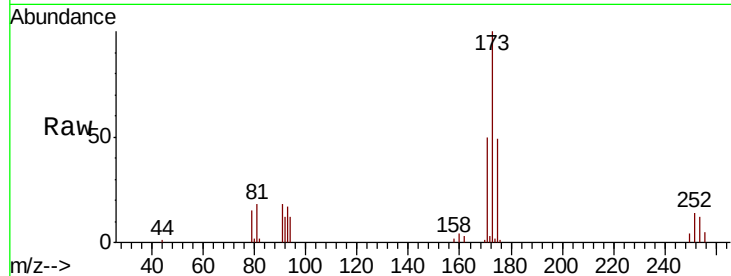
254 0.0 0.2 0.2#

Manual Integrations

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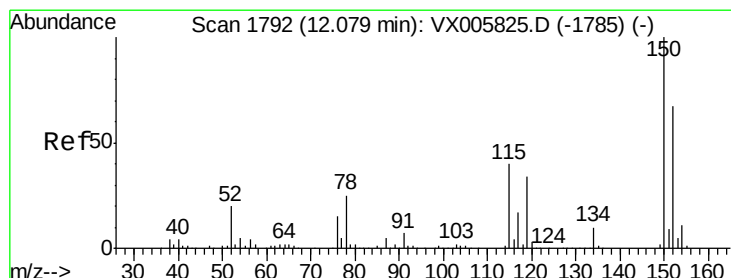
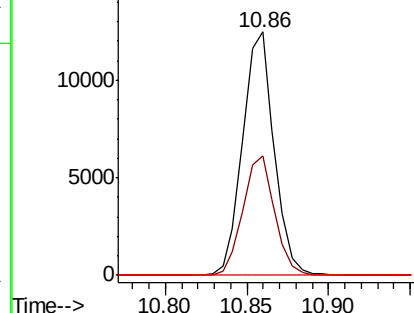
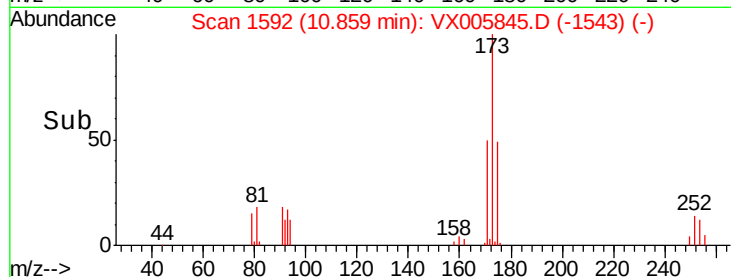
11/9/2018 11:37:14 AM



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: VX005845.D

Acq: 08 Nov 2018 14:36

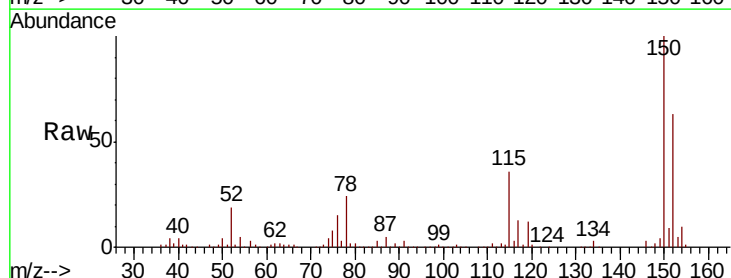
Tgt Ion:152 Resp: 71593

Ion Ratio Lower Upper

152 100

115 66.4 39.4 118.1

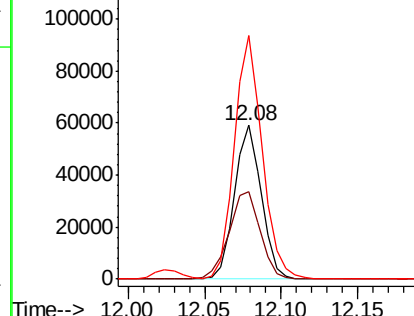
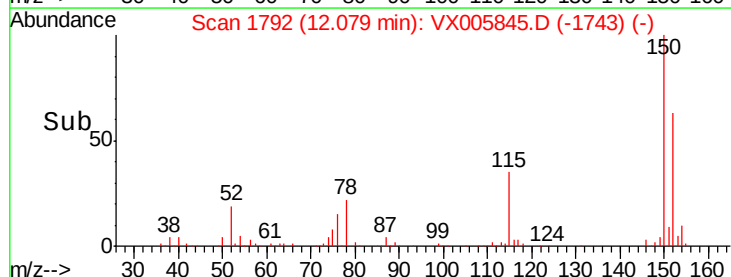
150 164.9 0.0 346.4

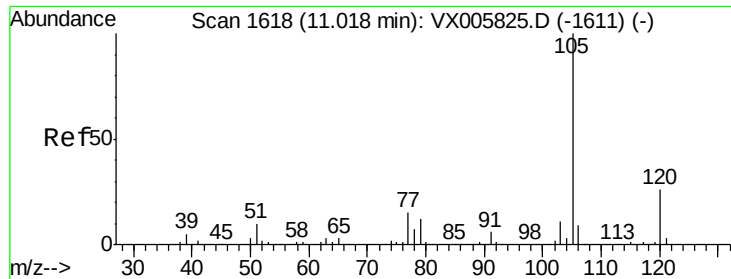


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





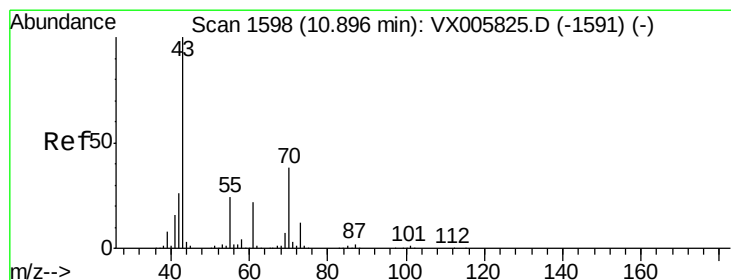
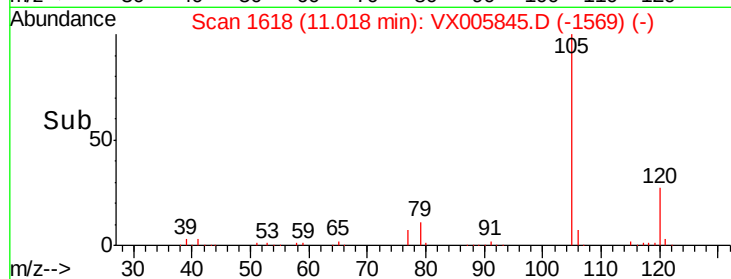
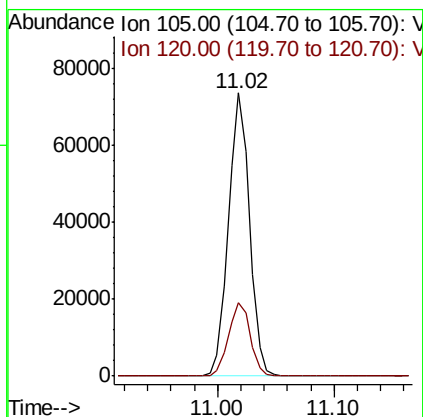
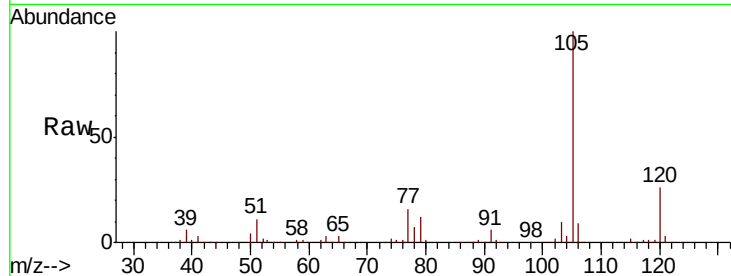
#73
Isopropylbenzene
Concen: 22.322 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

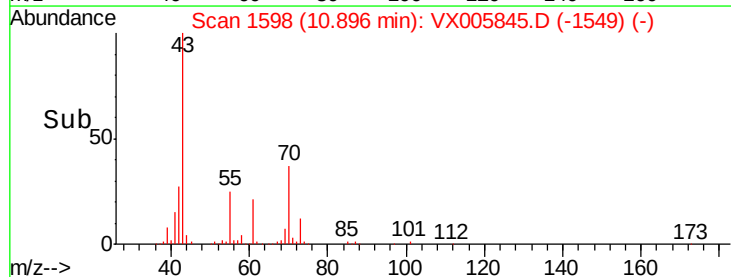
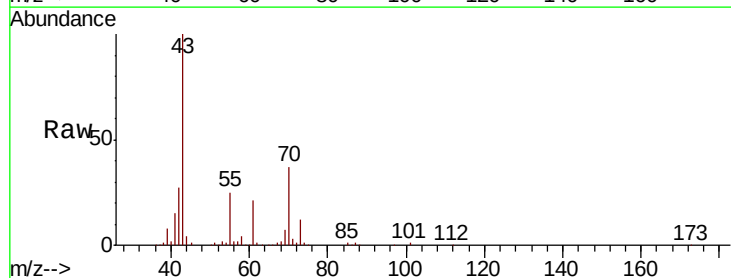
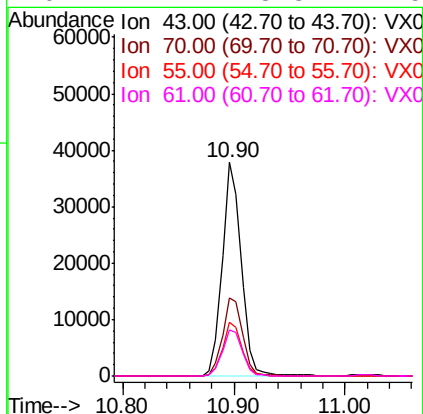
Manual Integrations
APPROVED

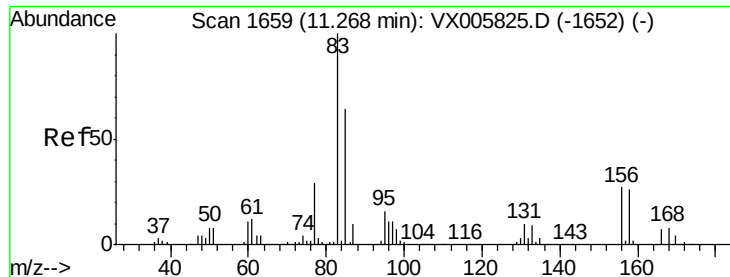
MMDadoda
11/9/2018 11:37:14 AM



#74
N-ethyl acetate
Concen: 20.132 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.6	47.4
55	25.6	19.7	29.5
61	22.2	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.917 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

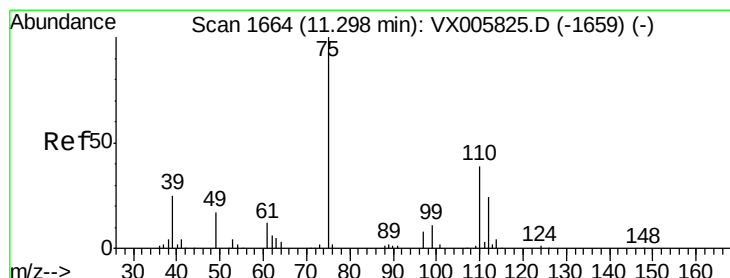
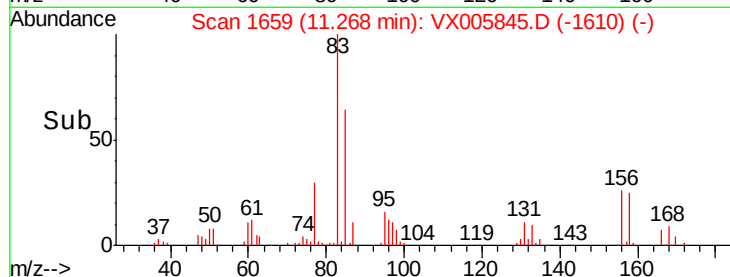
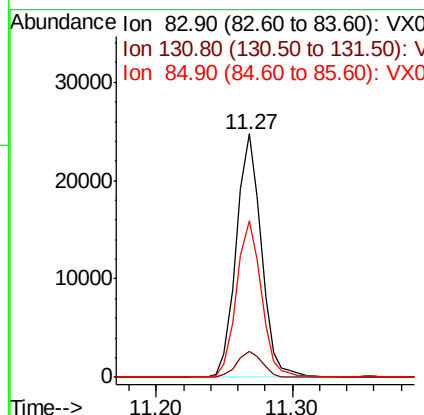
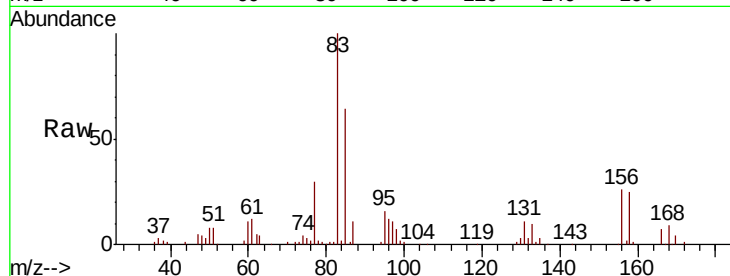
ClientSampleId :

VX1108MBS01

Tot Ion:	83	Resp:	31786
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	15.9
85	64.4	32.0	96.2

Manual Integrations
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11/9/2018 11:37:14 AM



#76

1,2,3-Trichloropropane

Concen: 21.283 ug/l m

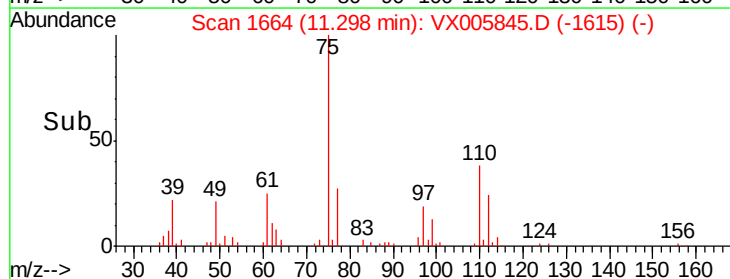
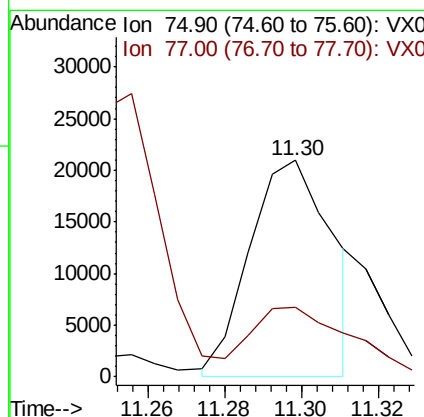
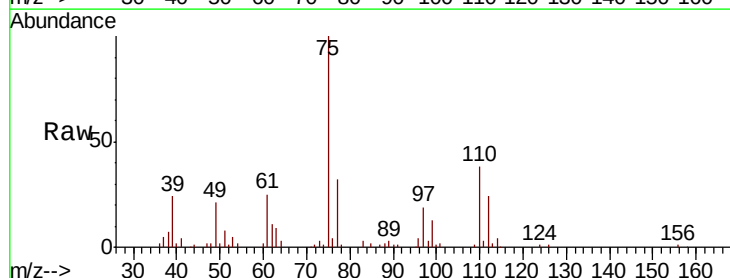
RT: 11.30 min Scan# 1664

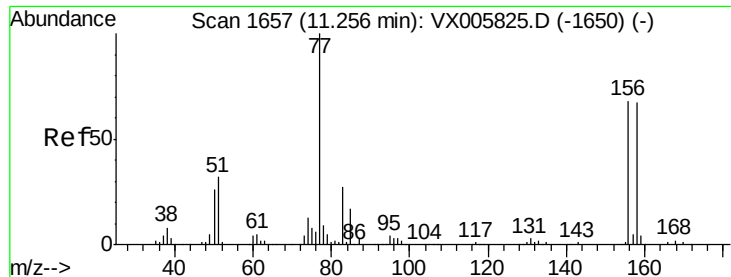
Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Tgt Ion:	75	Resp:	31026
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.5	61.6





#77

Bromobenzene

Concen: 21.296 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

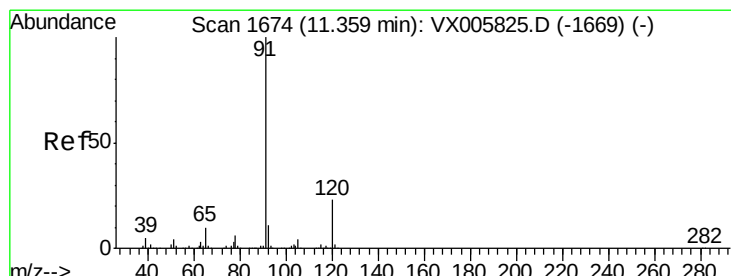
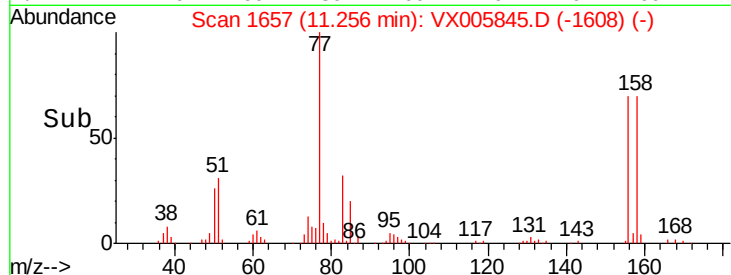
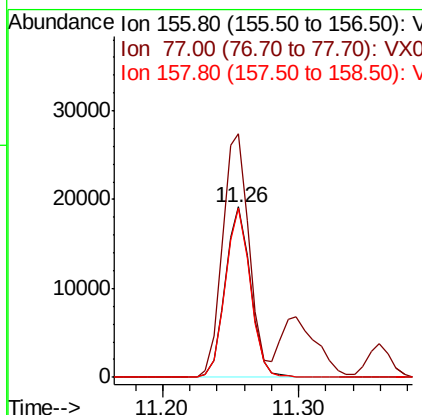
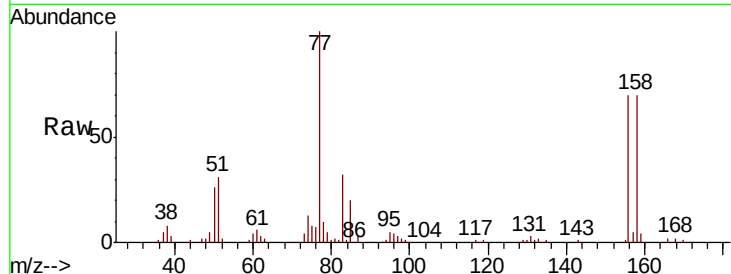
ClientSampleId :

VX1108MBS01

Tot Ion:	156	Resp:	24851
Ion	Ratio	Lower	Upper
156	100		
77	150.7	74.8	224.4
158	98.0	49.1	147.3

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#78

n-propylbenzene

Concen: 21.937 ug/l

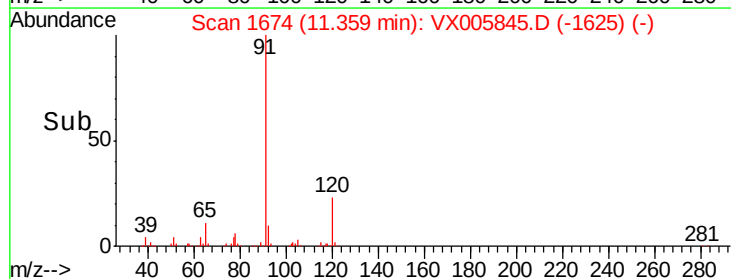
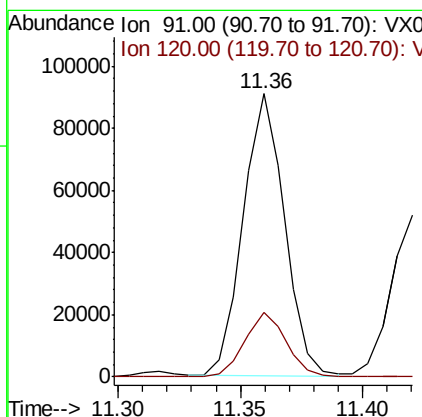
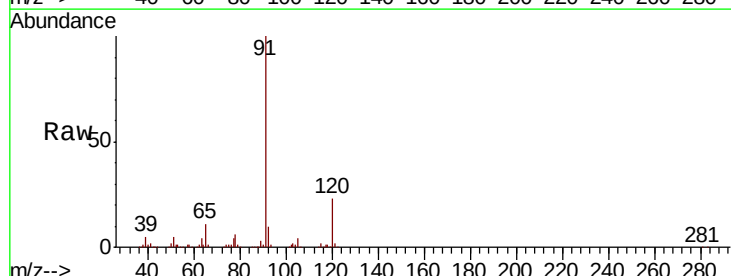
RT: 11.36 min Scan# 1674

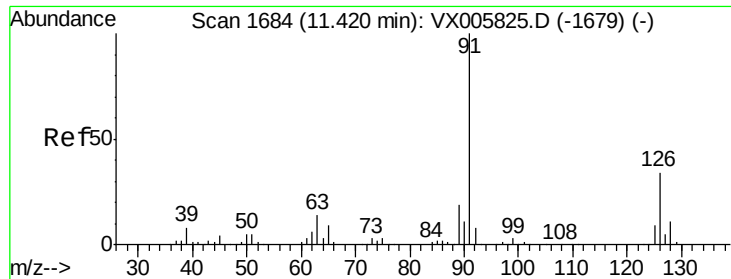
Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Tgt Ion:	91	Resp:	107037
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





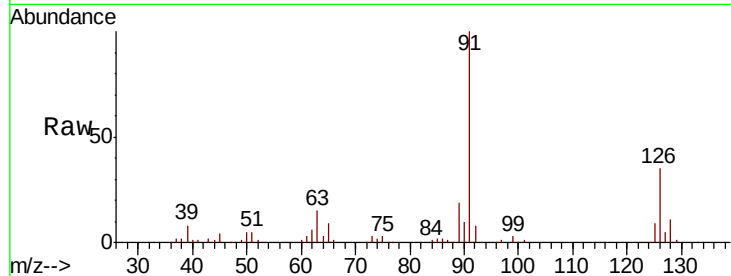
#79
2-Chlorotoluene
Concen: 21.766 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

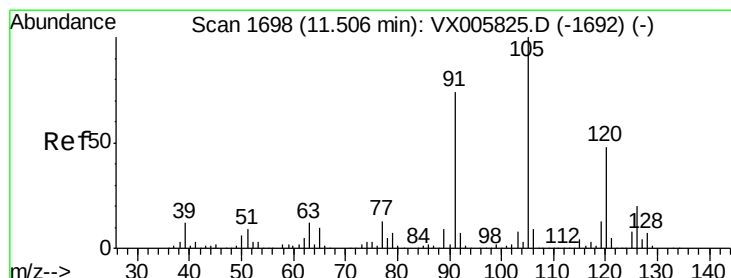
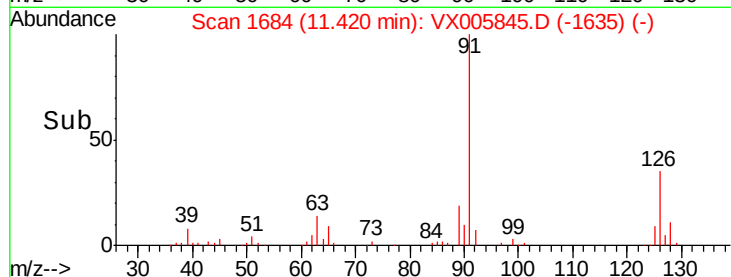
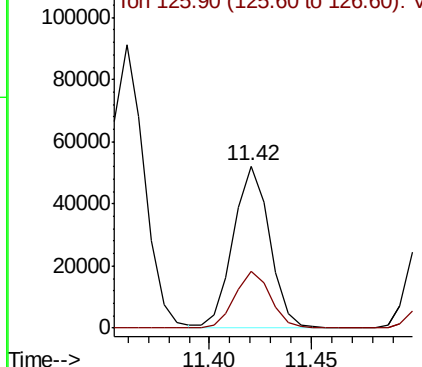
Tot Ion: 91 Resp: 64192
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0

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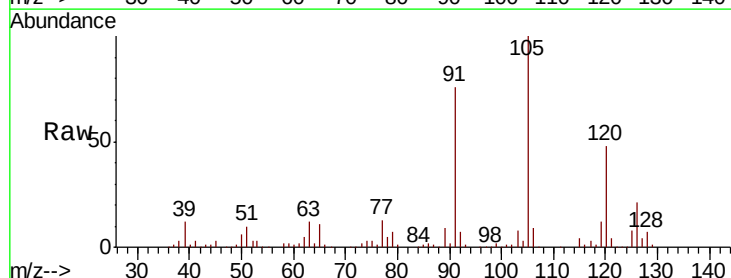


Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)
Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)

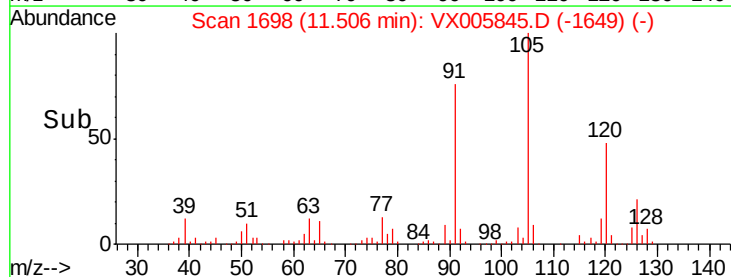
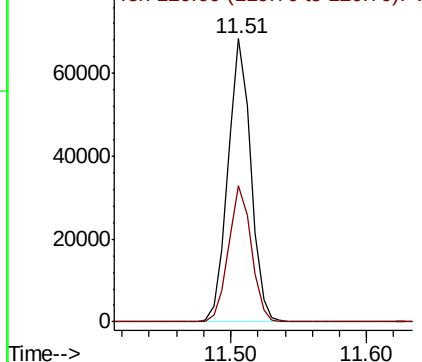


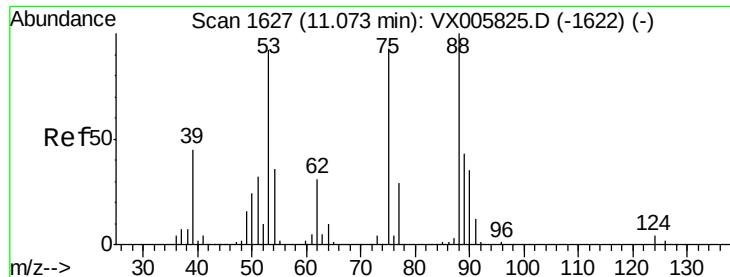
#80
1,3,5-Trimethylbenzene
Concen: 22.582 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion: 105 Resp: 79449
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)
Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.746 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion: 75 Resp: 9489

Ion Ratio Lower Upper

75 100

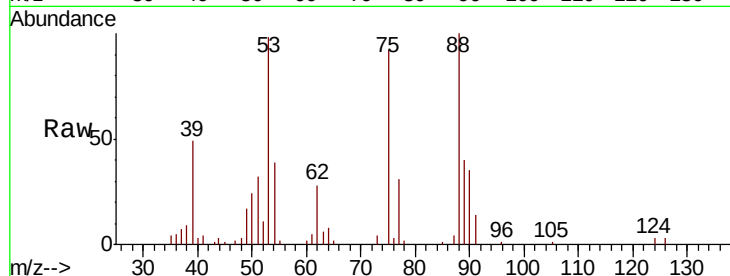
53 102.9 80.2 120.2

89 44.9 39.8 59.8

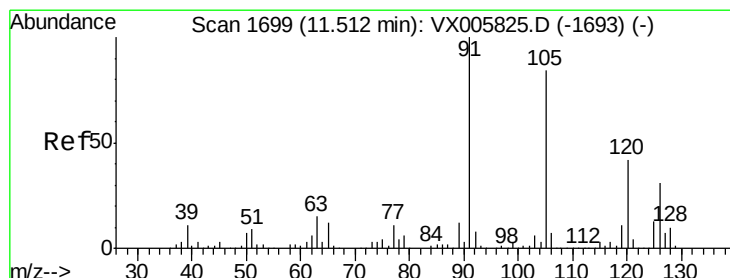
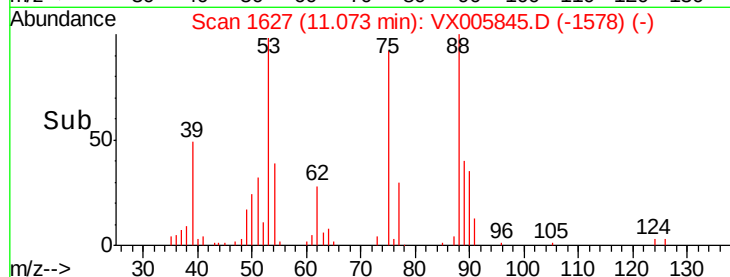
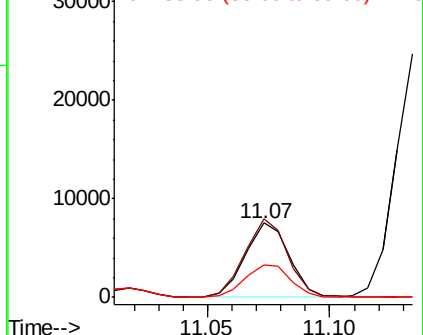
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 22.092 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005845.D

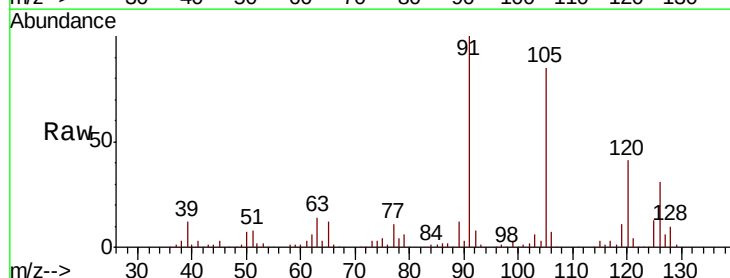
Acq: 08 Nov 2018 14:36

Tgt Ion: 91 Resp: 76785

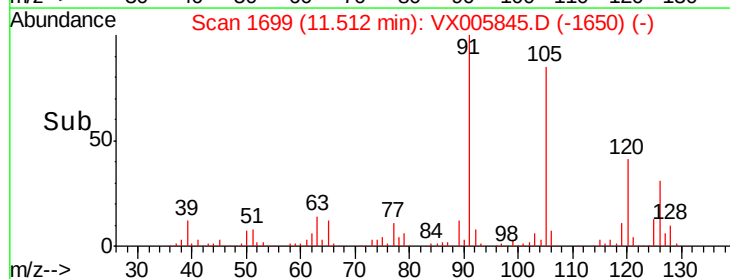
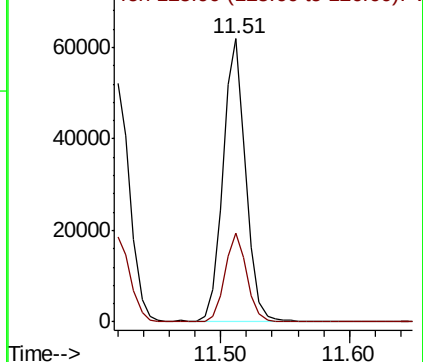
Ion Ratio Lower Upper

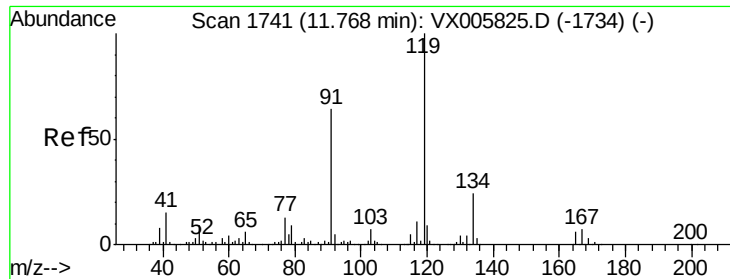
91 100

126 30.1 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





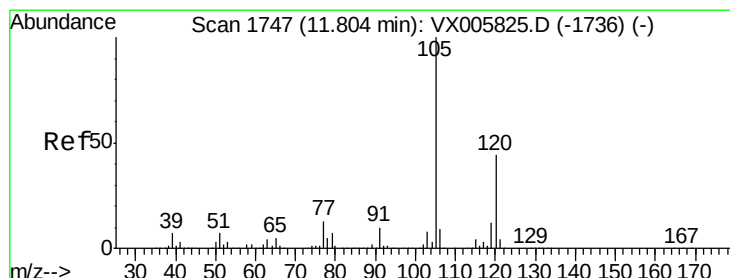
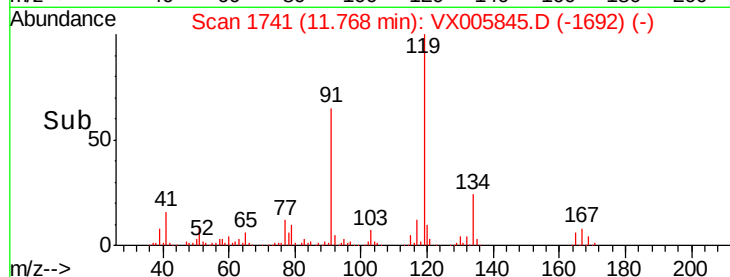
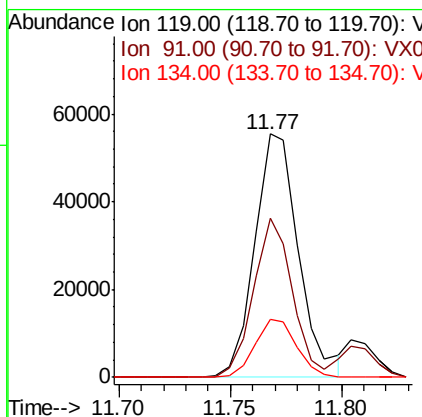
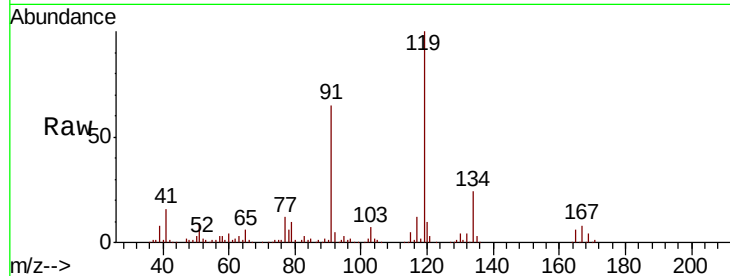
#83
 tert-Butylbenzene
 Concen: 21.375 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.0	28.5	85.5
134	22.7	11.3	33.8

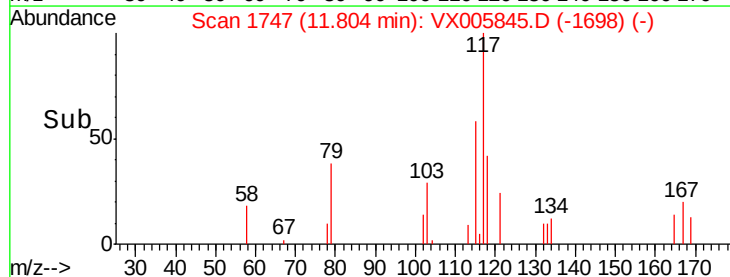
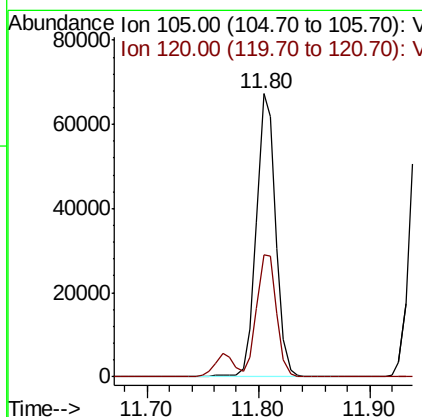
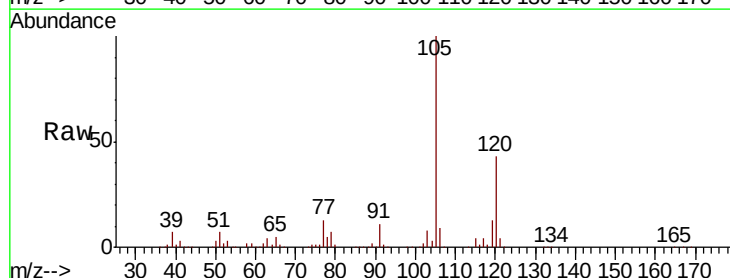
Manual Integrations
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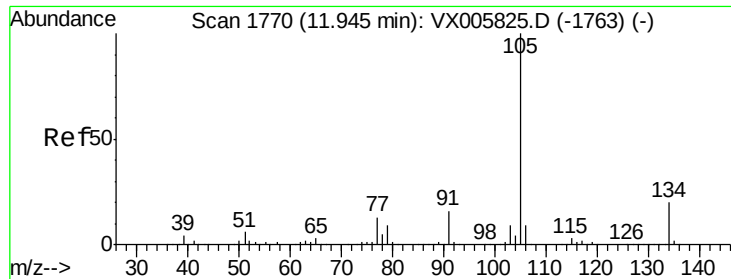
MMDadoda
 11/9/2018 11:37:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.994 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 21.680 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108MBS01

Tot Ion:105 Resp: 94362

Ion Ratio Lower Upper

105 100

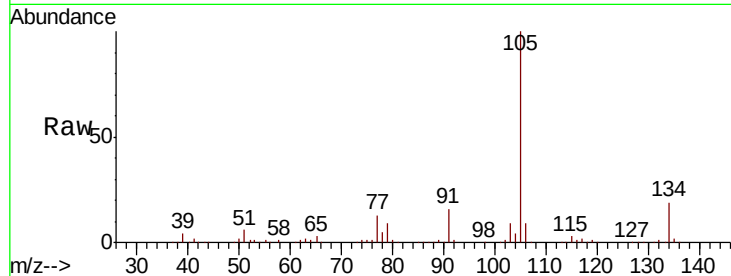
134 19.9 10.2 30.4

Manual Integrations

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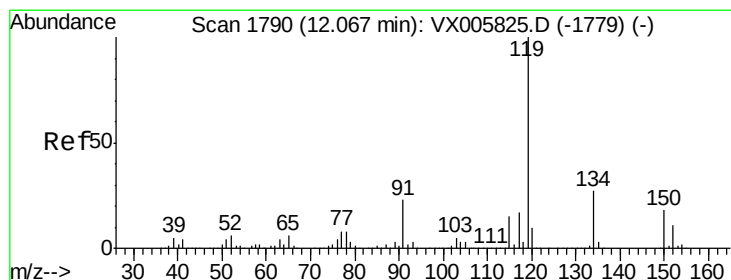
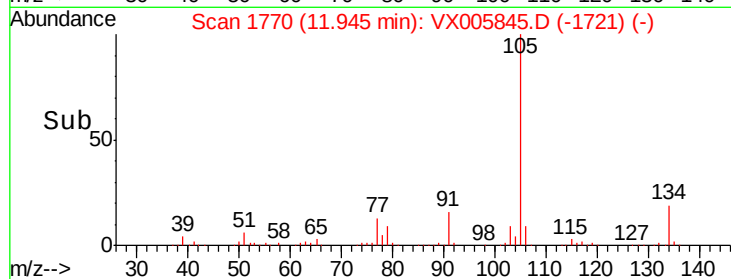
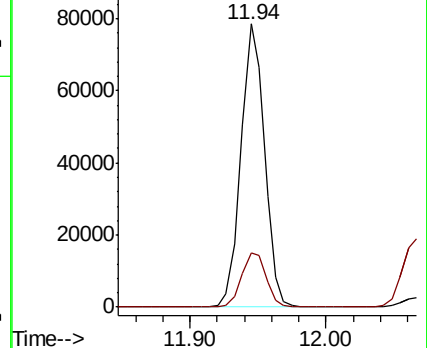
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.848 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

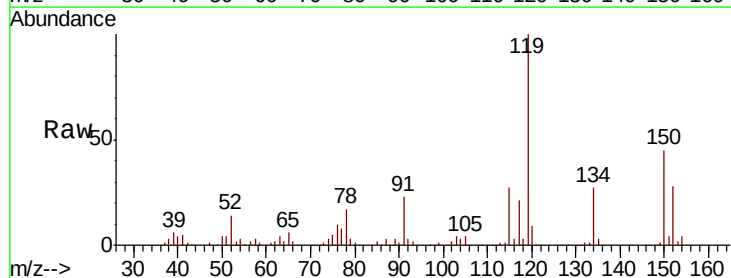
Tgt Ion:119 Resp: 84232

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

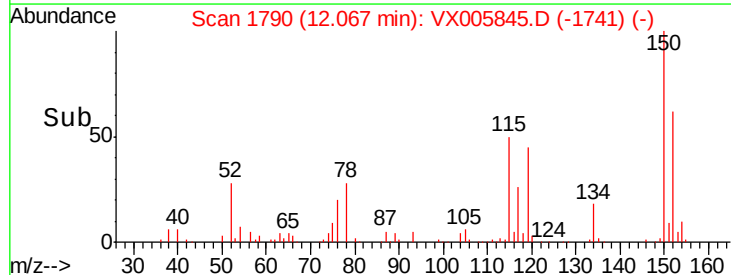
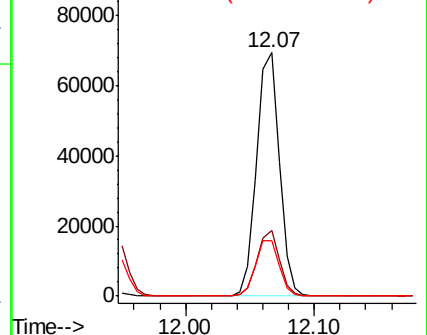
91 23.7 11.4 34.2

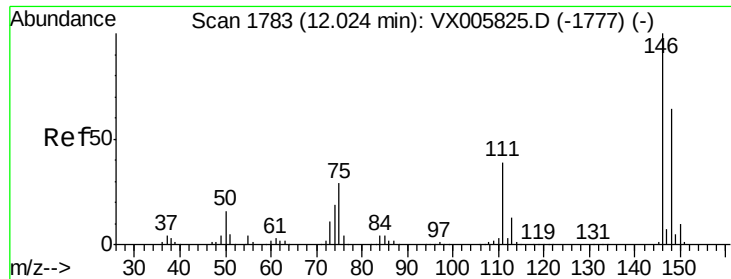


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





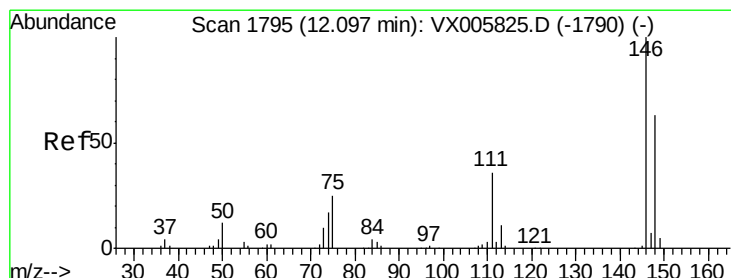
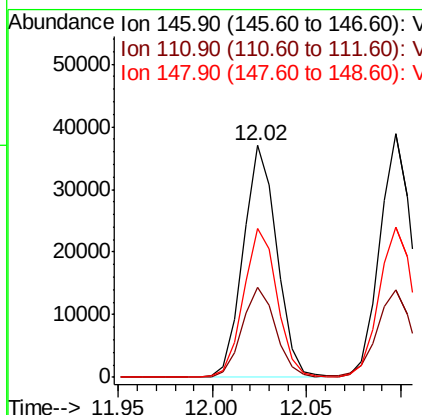
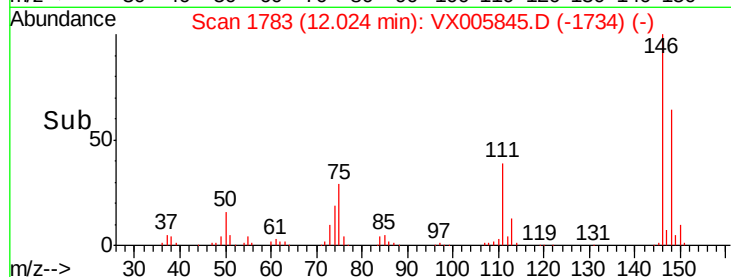
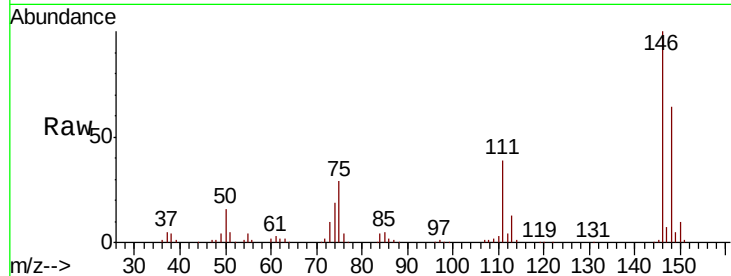
#87
 1,3-Dichlorobenzene
 Concen: 20.478 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	64.1	31.9	95.9

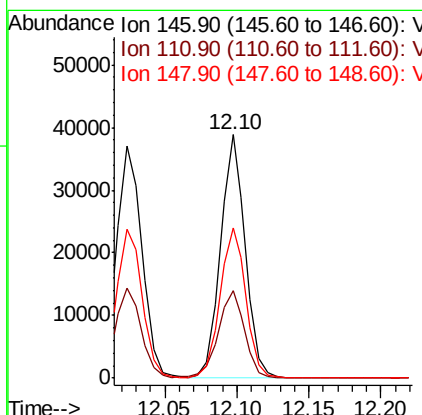
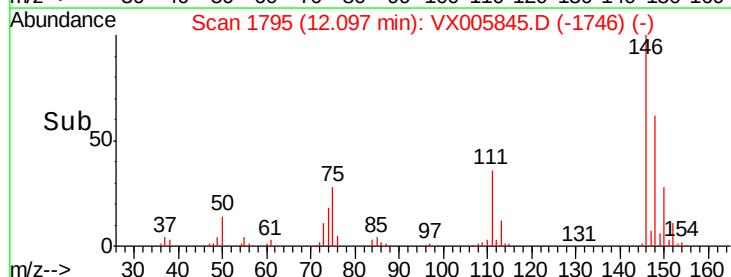
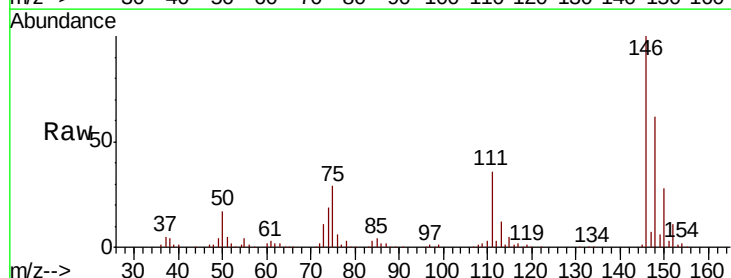
Manual Integrations
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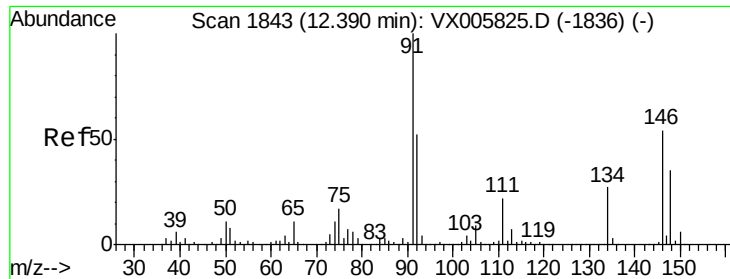
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#88
 1,4-Dichlorobenzene
 Concen: 20.417 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	64.4	32.1	96.3





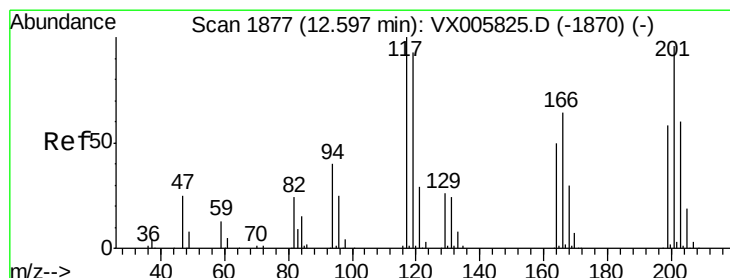
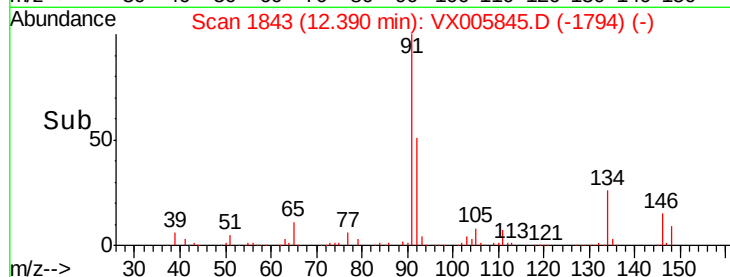
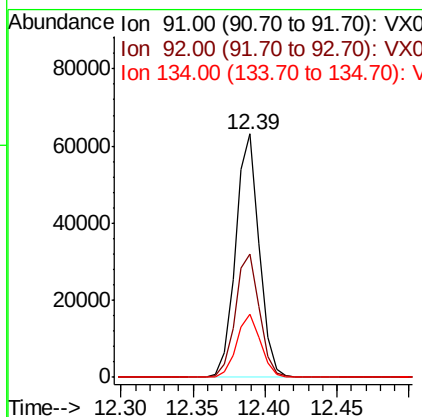
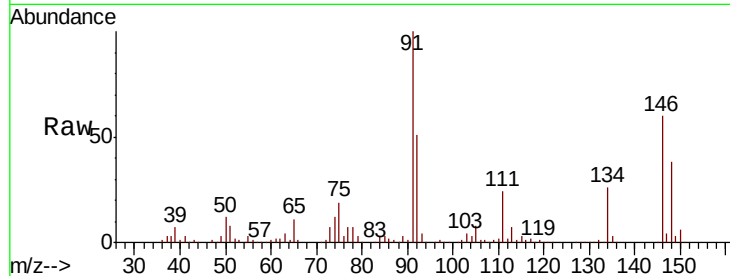
#89
n-Butylbenzene
Concen: 20.292 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1108MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.2
134	25.9	13.1	39.3

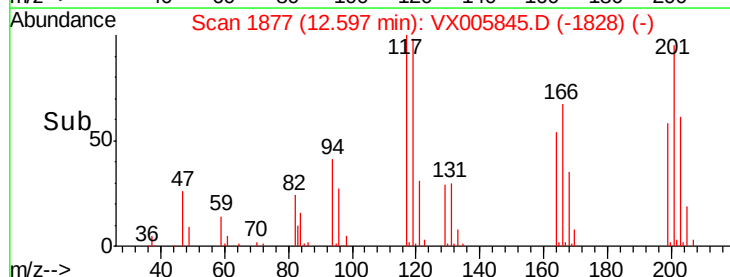
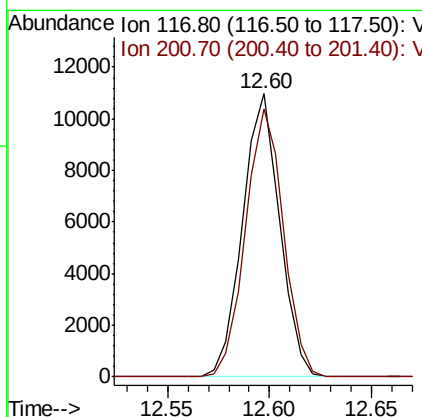
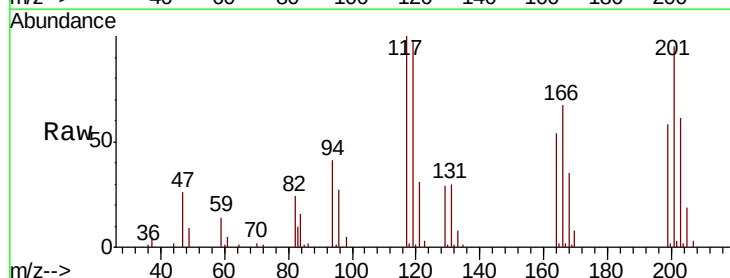
Manual Integrations
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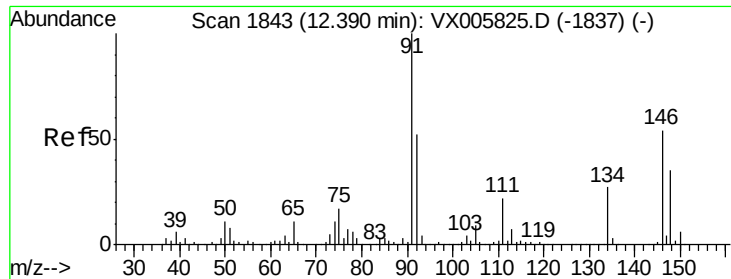
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#90
Hexachloroethane
Concen: 21.556 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005845.D
Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	47.9	143.6





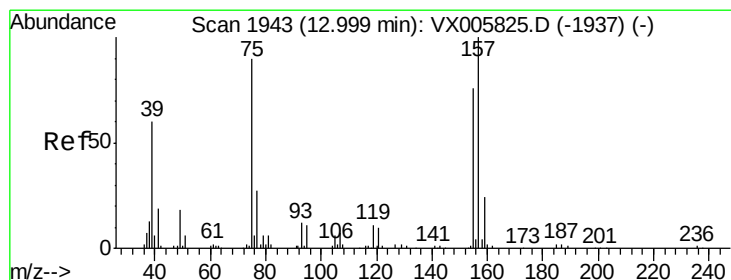
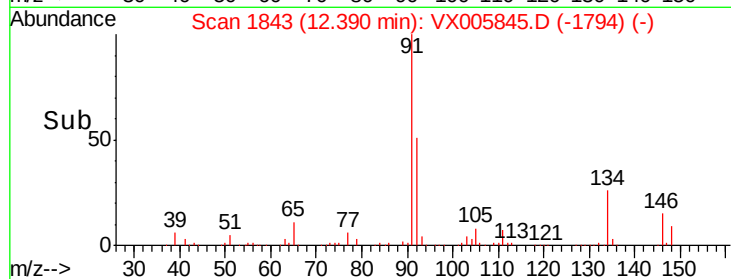
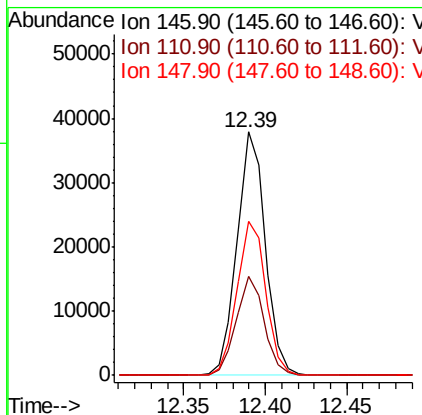
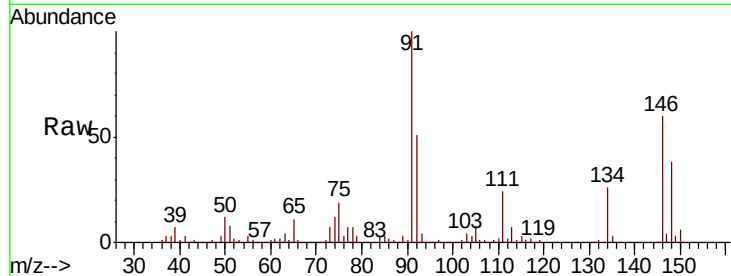
#91
 1,2-Dichlorobenzene
 Concen: 20.386 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.8	32.2	96.6

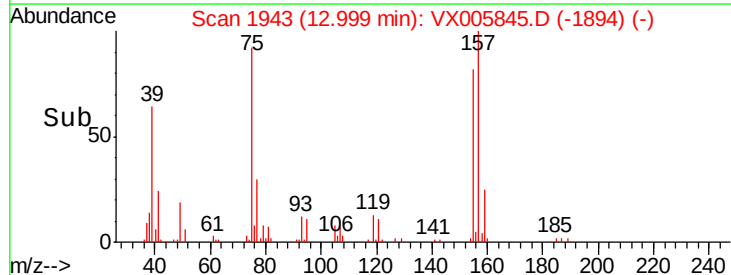
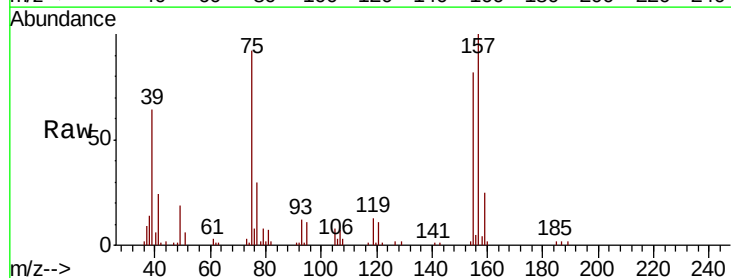
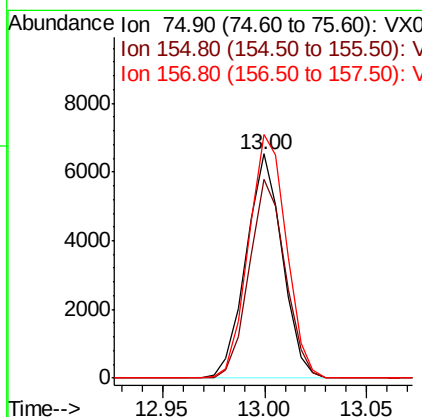
Manual Integrations
 APPROVED

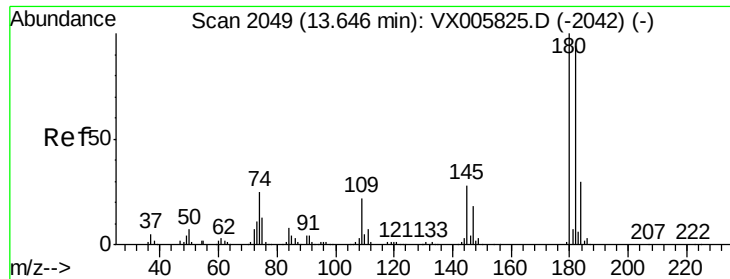
MMDadoda
 11/9/2018 11:37:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.663 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	45.4	136.1
157	113.2	57.4	172.0





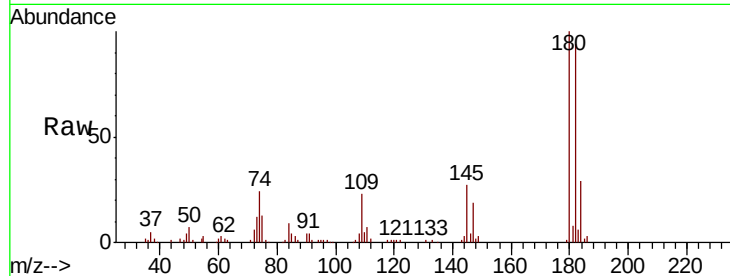
#93
 1,2,4-Trichlorobenzene
 Concen: 21.210 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108MBS01

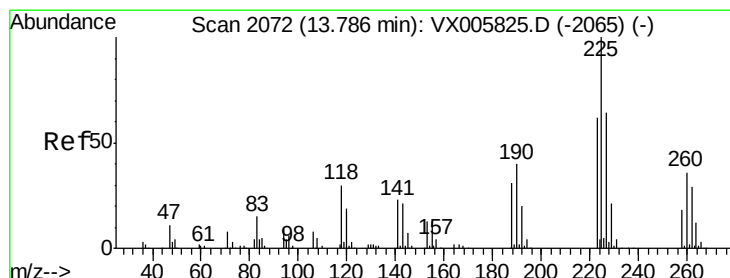
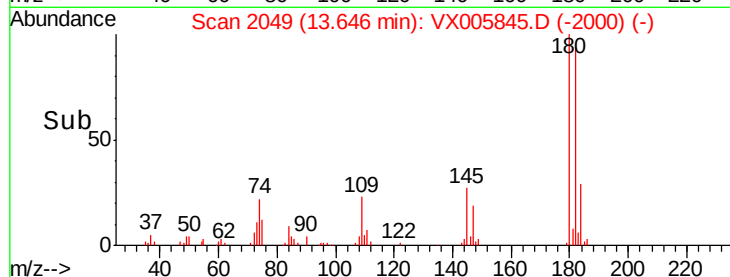
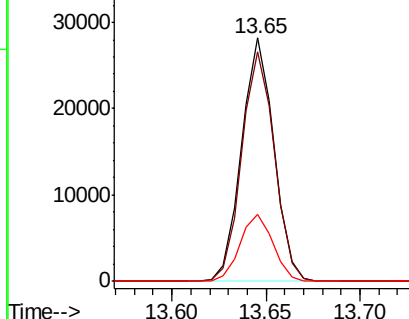
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	28.1	14.1	42.2

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:37:14 AM

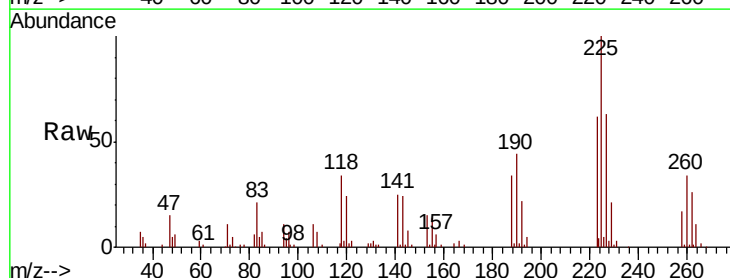


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

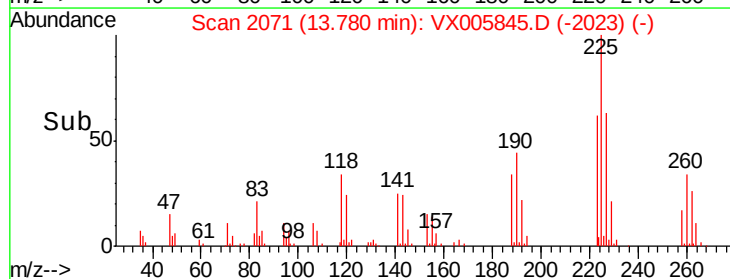
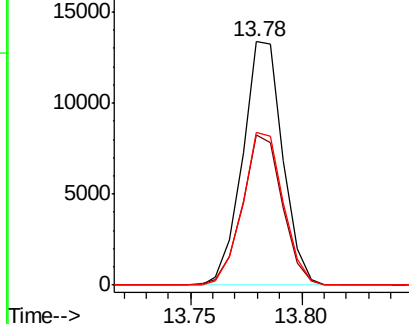


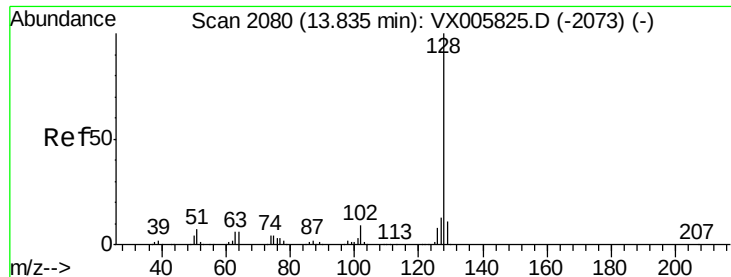
#94
 Hexachlorobutadiene
 Concen: 20.262 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005845.D
 Acq: 08 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.7	95.1
227	63.3	32.3	96.9



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: 20.219 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Instrument :

MSVOA_X

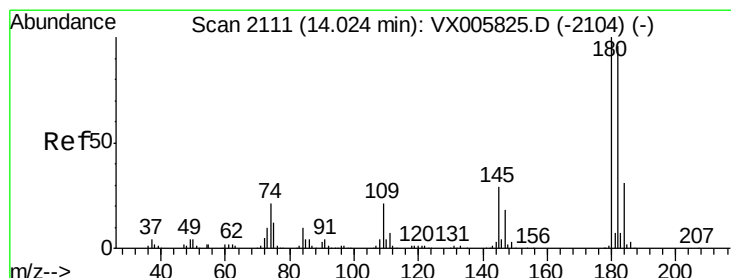
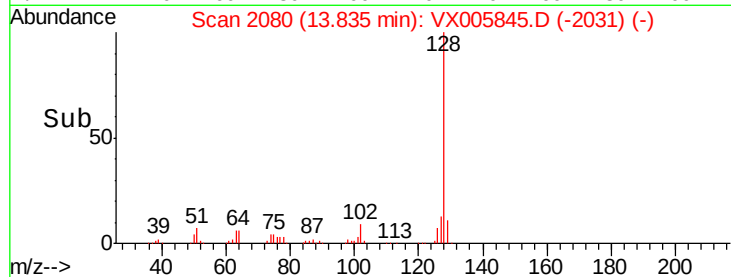
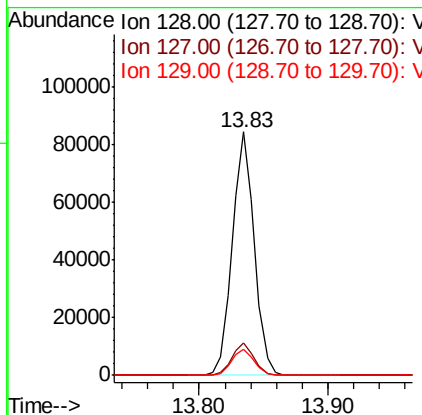
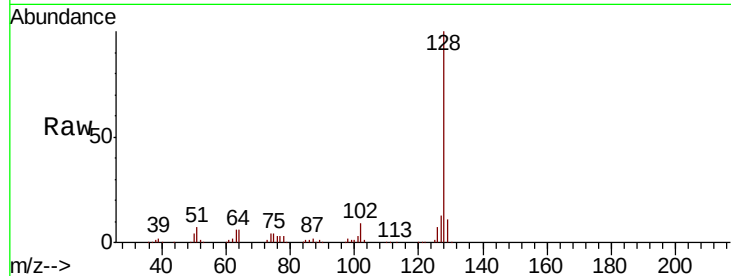
ClientSampleId :

VX1108MBS01

Tot Ion:	128	Resp:	100443
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/9/2018 11:37:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.305 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005845.D

Acq: 08 Nov 2018 14:36

Tgt Ion:	180	Resp:	34281
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.0	144.2
145	30.4	15.1	45.3

