

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003911.D
 Acq On : 08 Aug 2018 06:17
 Operator : JC/MD
 Sample : J4344-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0539

Quant Time: Aug 08 08:14:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	349032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	544263	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	510506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	286447	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	233329	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.51	113	199034	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.72	98	764885	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.14	95	277241	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

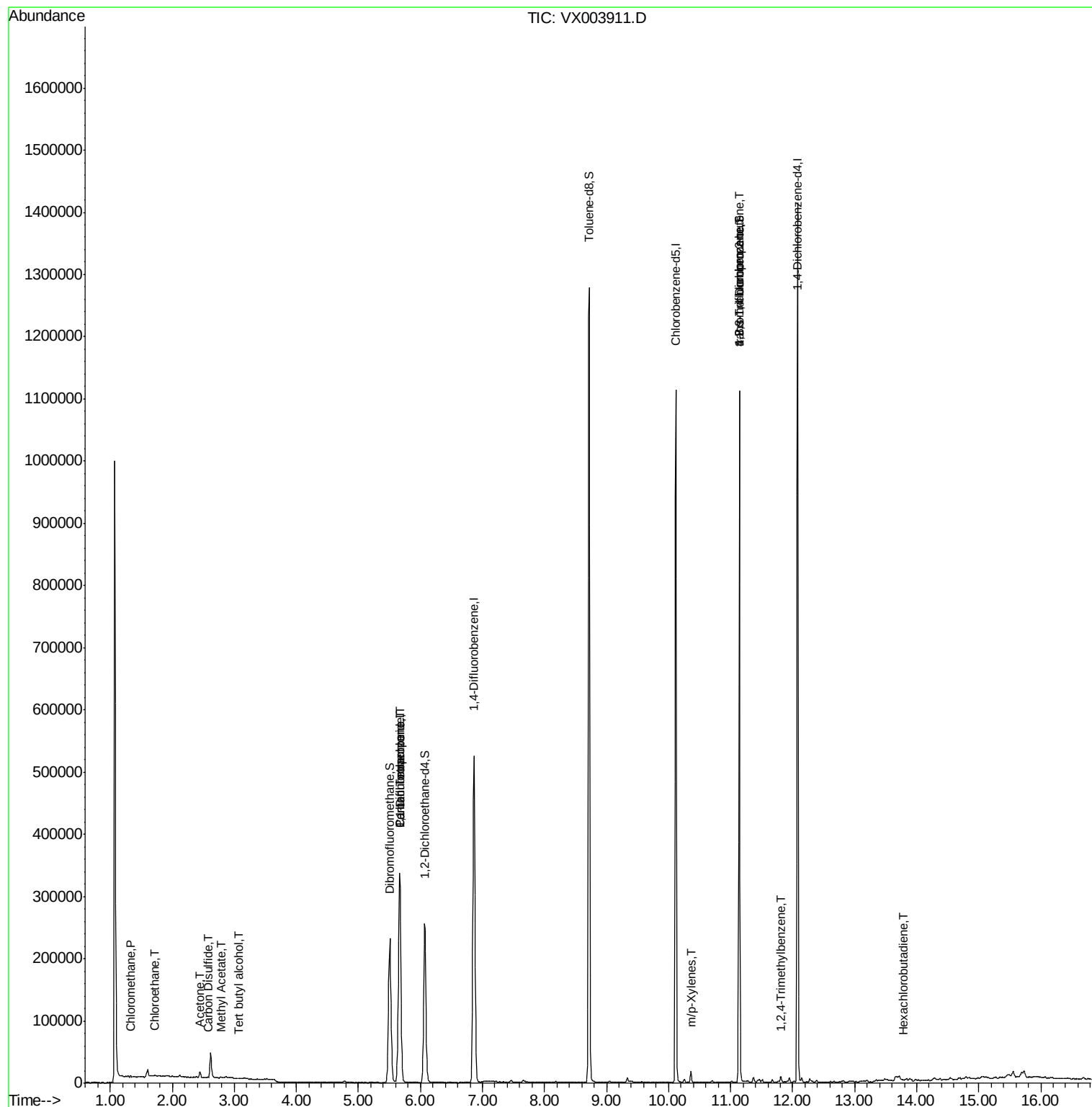
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1625	0.34	ug/l	97
5) Bromomethane	1.65	94	737	Below Cal	#	67
6) Chloroethane	1.72	64	719	0.23	ug/l	# 51
11) Tert butyl alcohol	3.07	59	438	0.39	ug/l	# 67
13) Acrolein	2.29	56	110	Below Cal	#	41
16) Acetone	2.45	43	9682	3.52	ug/l	98
17) Carbon Disulfide	2.57	76	1036	0.54	ug/l	# 95
18) Methyl Acetate	2.78	43	1467	0.24	ug/l	# 75
20) Methylene Chloride	2.86	84	976	Below Cal	#	66
36) 1,1-Dichloropropene	5.66	75	22998	3.77	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	30943	5.33	ug/l	# 15
68) m/p-Xylenes	10.36	106	4145	0.49	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	131233	20.74	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	131233	56.14	ug/l	# 9
84) 1,2,4-Trimethylbenzene	11.81	105	4323	0.25	ug/l	99
88) 1,4-Dichlorobenzene	12.03	146	491	Below Cal		87
94) Hexachlorobutadiene	13.79	225	210	0.49	ug/l	88

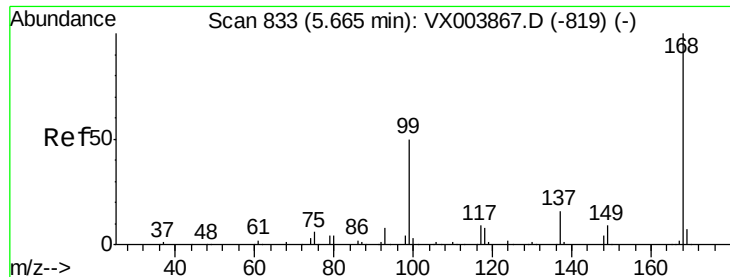
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 07 07:45:48 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

Instrument :

MSVOA_X

ClientSampled :

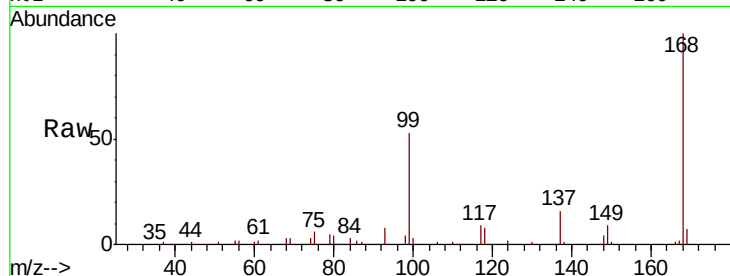
FL-0539

Tot Ion:168 Resp: 349032

Ion Ratio Lower Upper

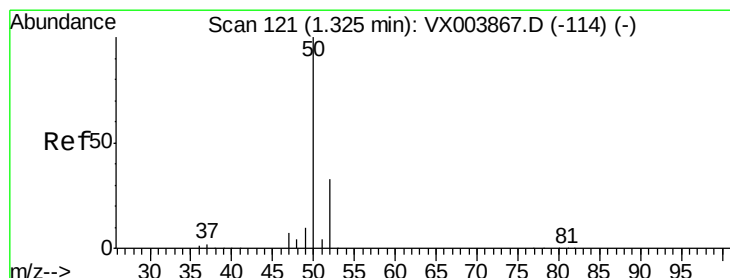
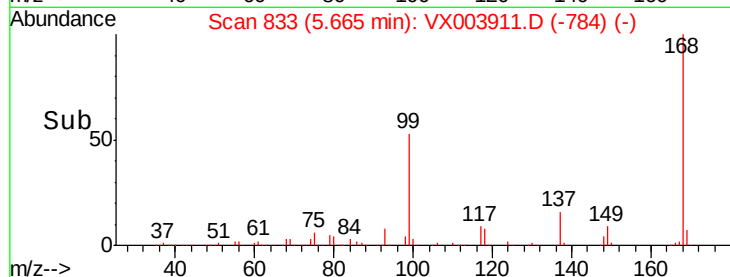
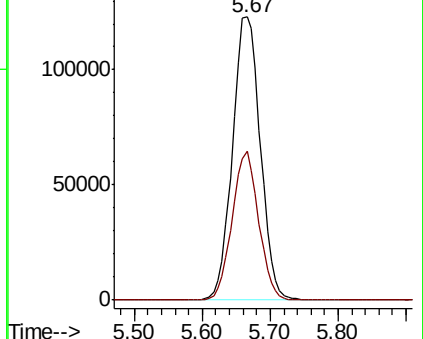
168 100

99 52.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.34 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003911.D

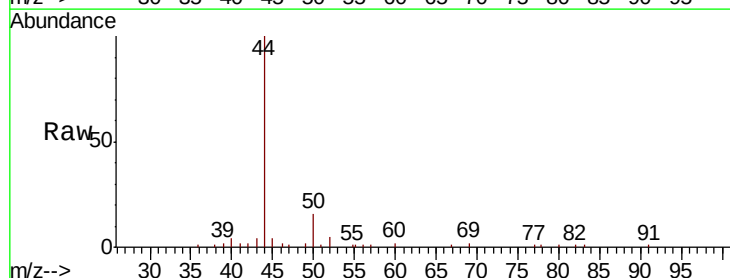
Acq: 08 Aug 2018 06:17

Tgt Ion: 50 Resp: 1625

Ion Ratio Lower Upper

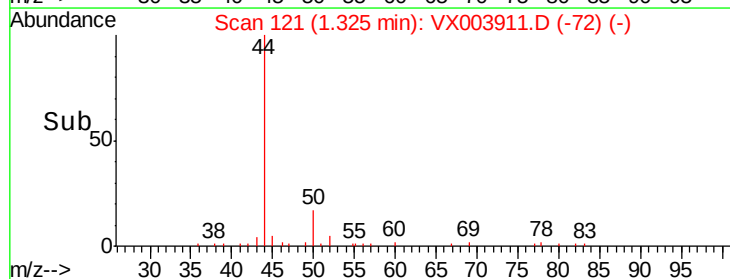
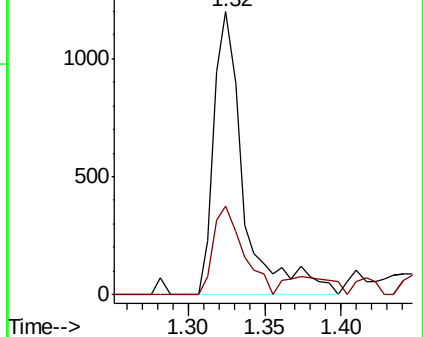
50 100

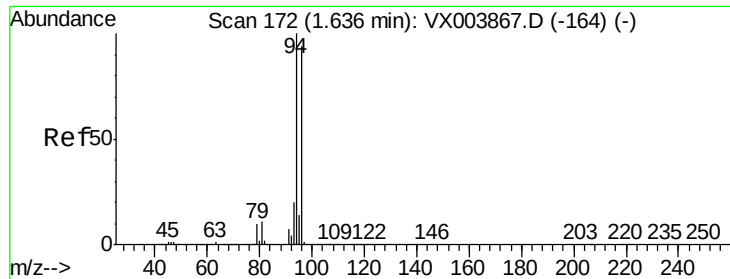
52 31.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

Instrument :

MSVOA_X

ClientSampled :

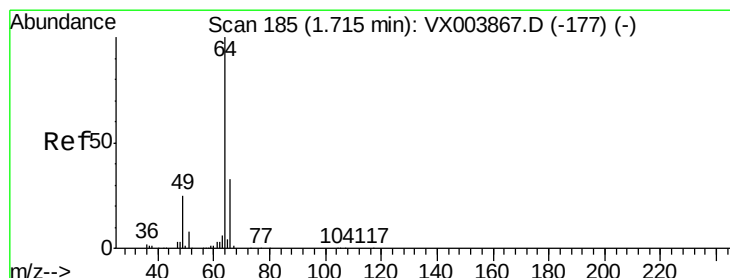
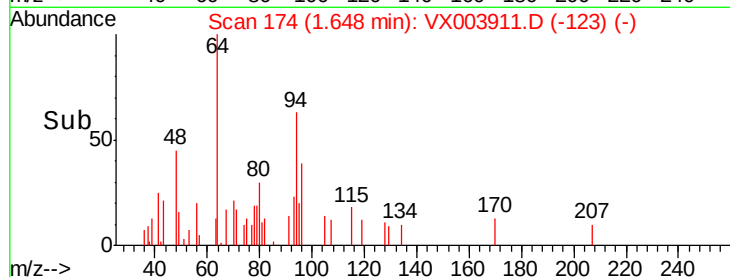
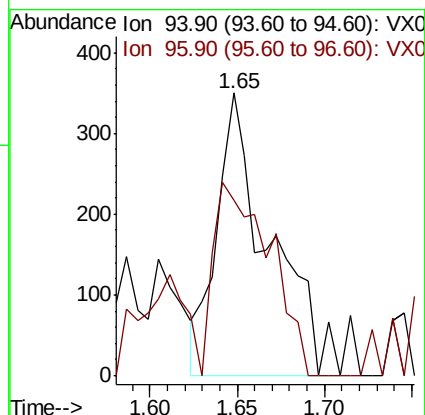
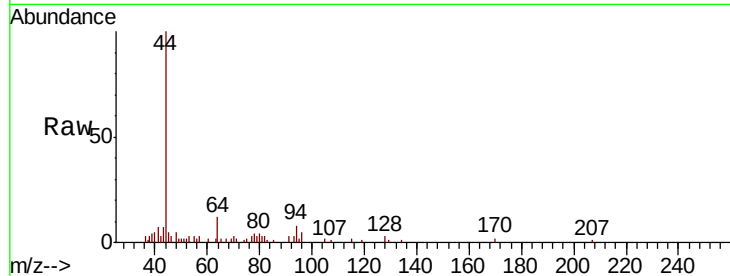
FL-0539

Tot Ion: 94 Resp: 737

Ion Ratio Lower Upper

94 100

96 62.0 75.2 112.8#



#6

Chloroethane

Concen: 0.23 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003911.D

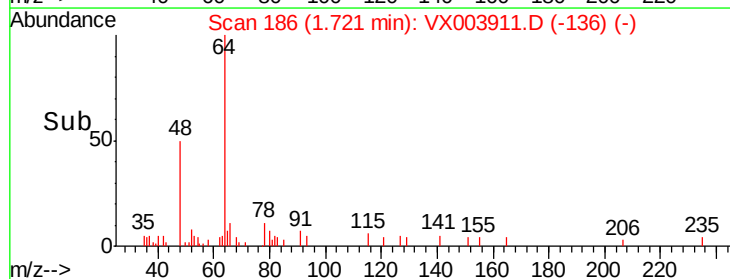
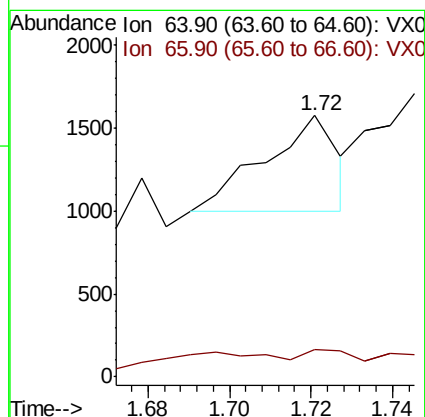
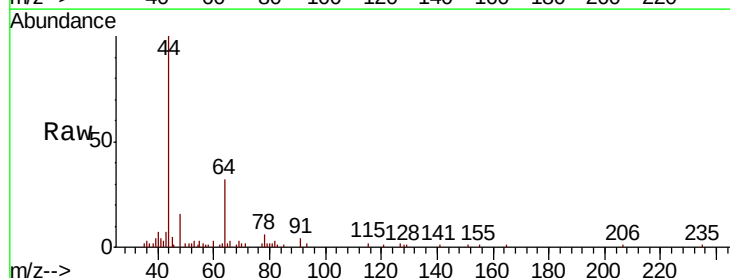
Acq: 08 Aug 2018 06:17

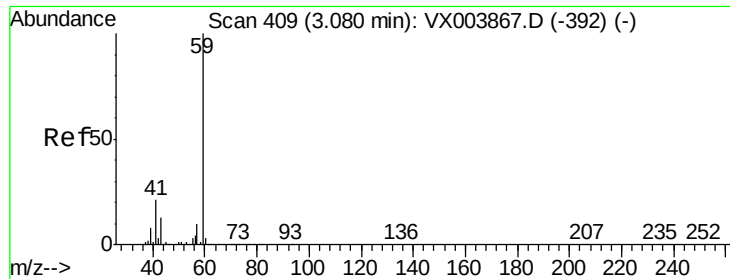
Tgt Ion: 64 Resp: 719

Ion Ratio Lower Upper

64 100

66 5.4 26.5 39.7#



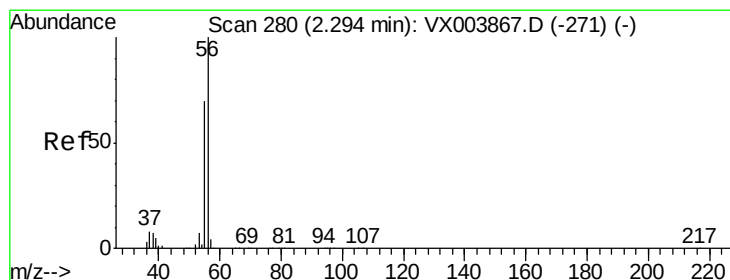
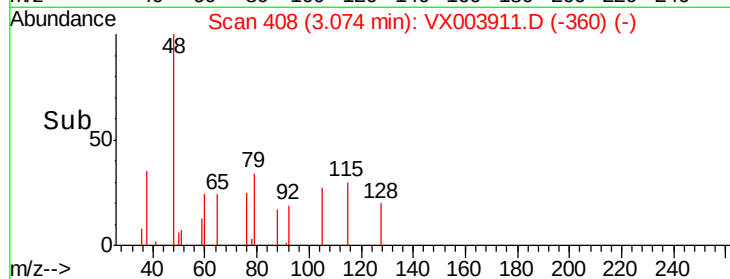
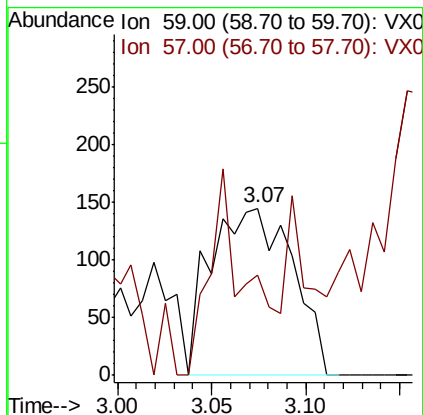
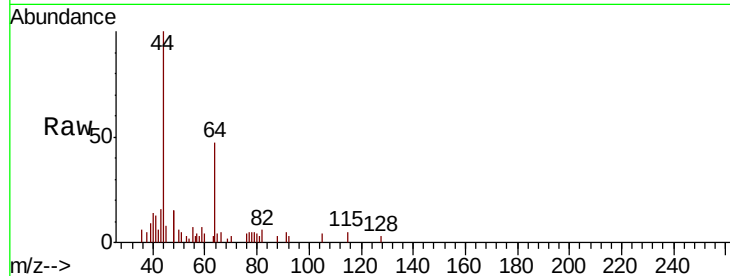


#11

Tert butyl alcohol
 Concen: 0.39 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0539

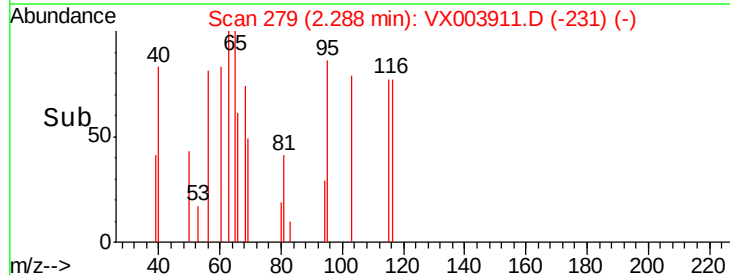
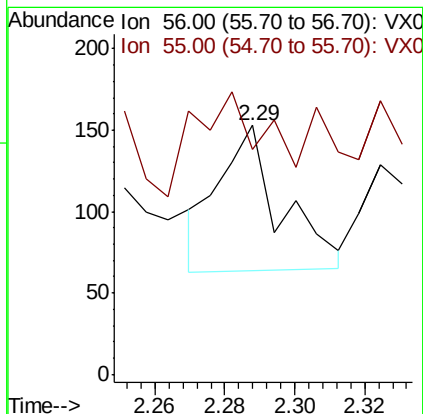
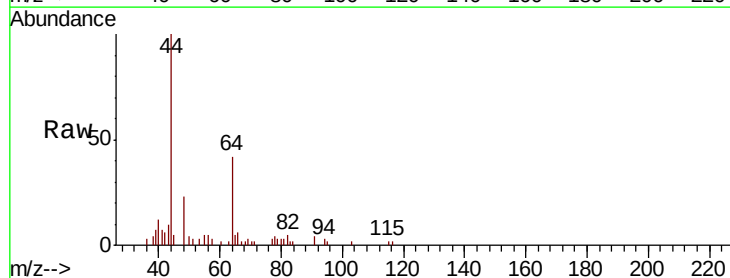
Tot Ion: 59 Resp: 438
 Ion Ratio Lower Upper
 59 100
 57 22.4 8.1 12.1#

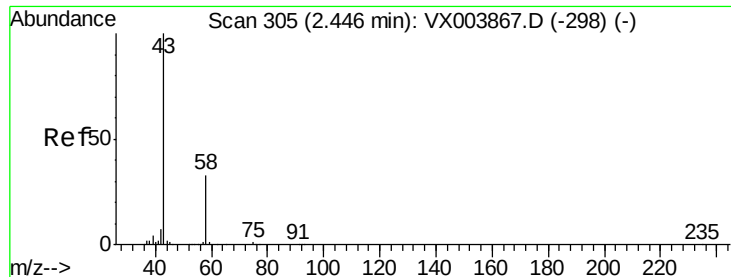


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

Tgt Ion: 56 Resp: 110
 Ion Ratio Lower Upper
 56 100
 55 118.2 56.1 84.1#





#16

Acetone

Concen: 3.52 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

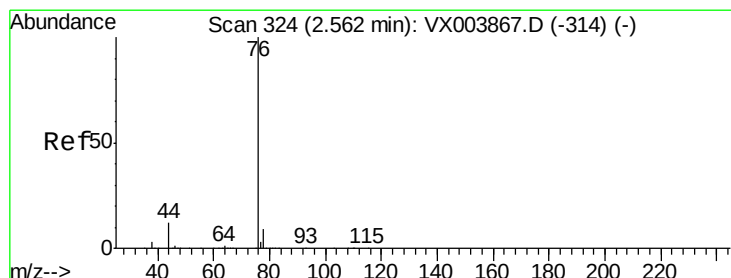
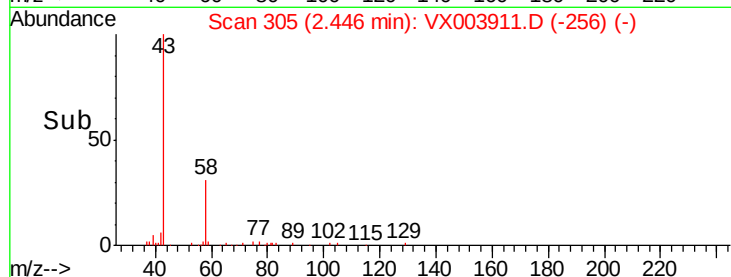
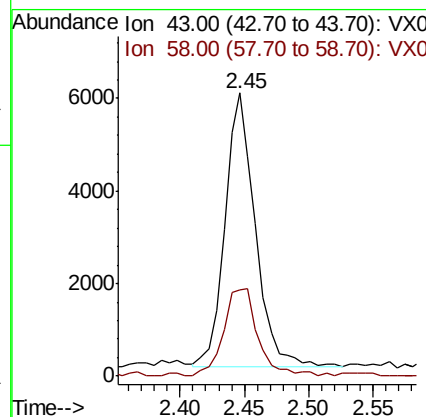
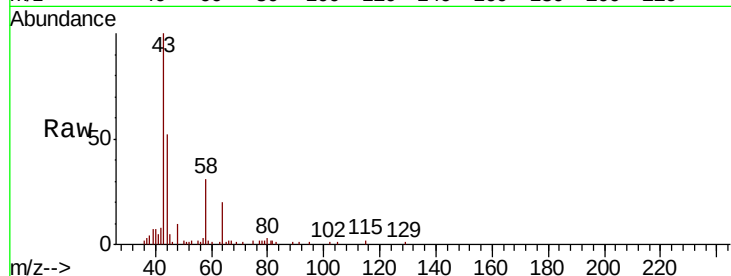
FL-0539

Tot Ion: 43 Resp: 9682

Ion Ratio Lower Upper

43 100

58 31.6 26.4 39.6



#17

Carbon Disulfide

Concen: 0.54 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003911.D

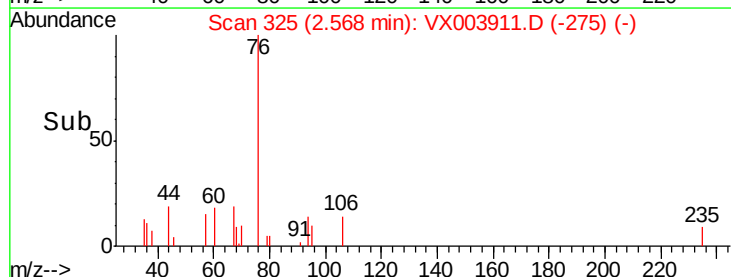
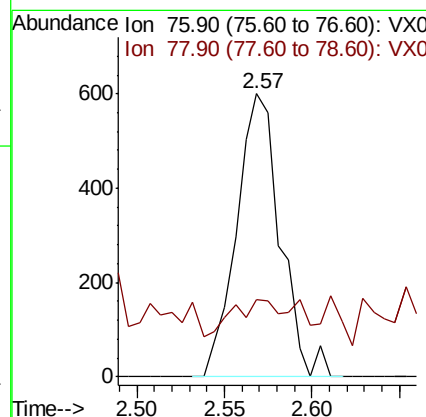
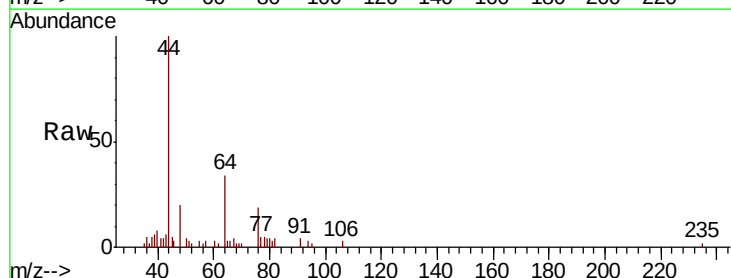
Acq: 08 Aug 2018 06:17

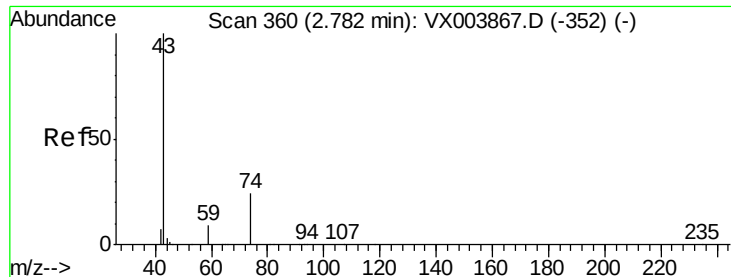
Tgt Ion: 76 Resp: 1036

Ion Ratio Lower Upper

76 100

78 7.5 7.5 11.3#

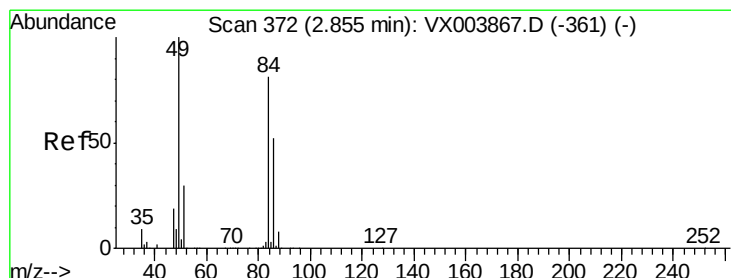
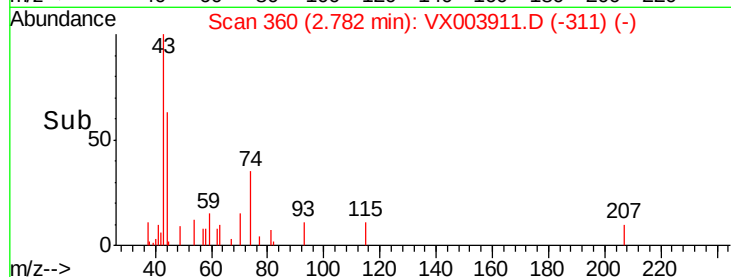
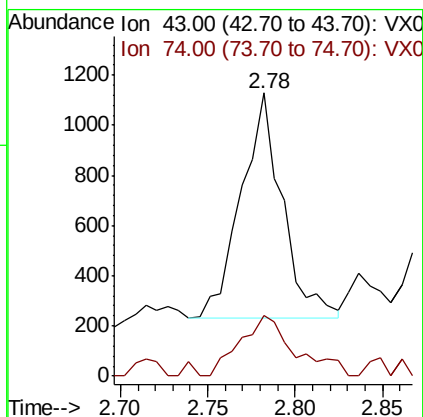
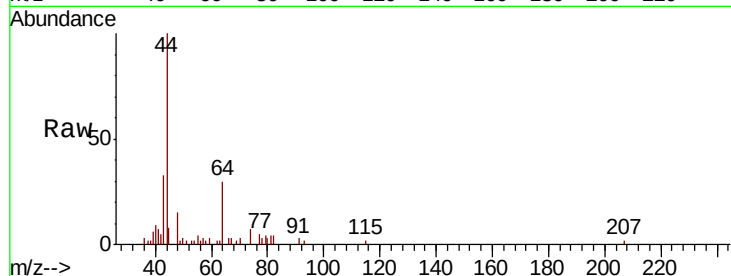




#18
Methvl Acetate
Concen: 0.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003911.D
Acq: 08 Aug 2018 06:17

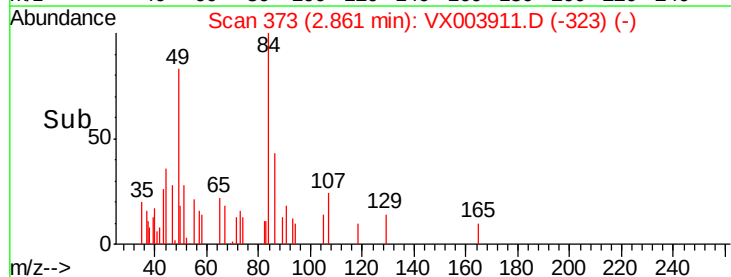
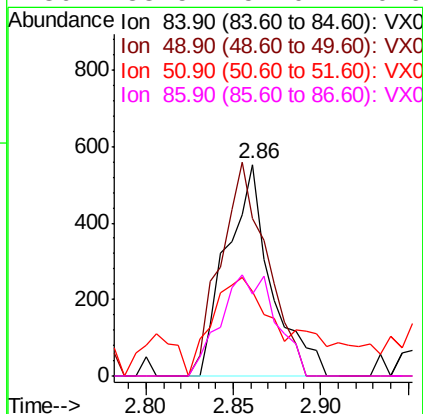
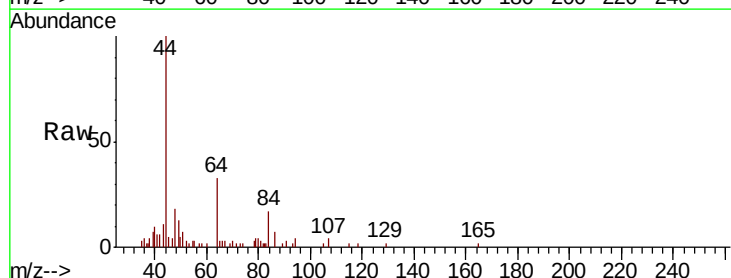
Instrument :
MSVOA_X
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FL-0539

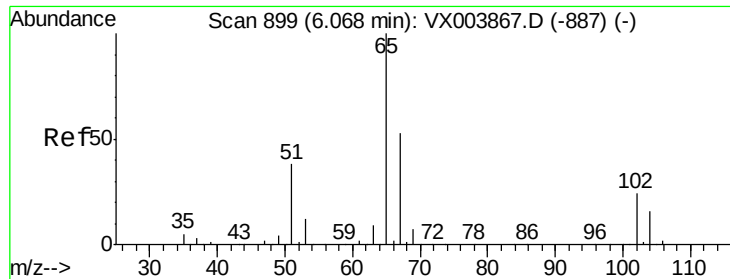
Tot Ion: 43 Resp: 1467
Ion Ratio Lower Upper
43 100
74 35.9 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003911.D
Acq: 08 Aug 2018 06:17

Tgt Ion: 84 Resp: 976
Ion Ratio Lower Upper
84 100
49 74.3 98.9 148.3#
51 40.1 29.9 44.9
86 38.5 51.0 76.6#

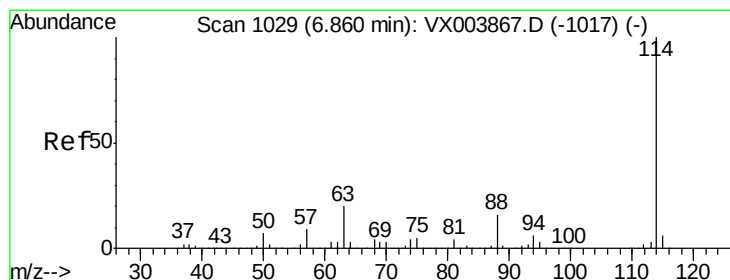
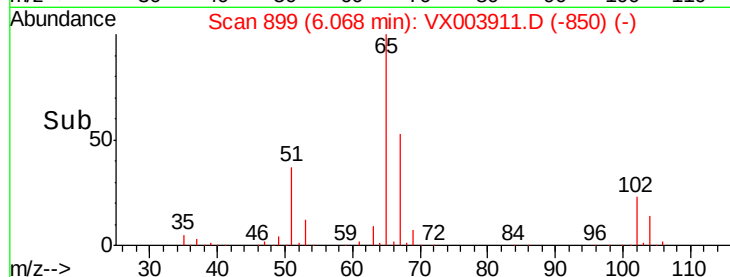
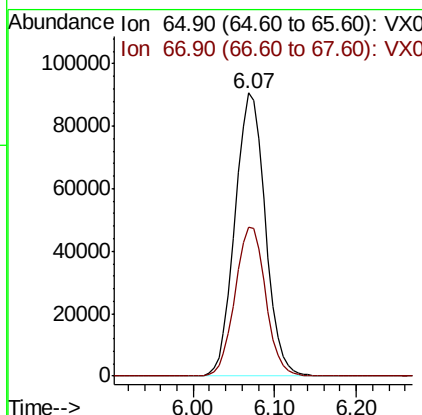
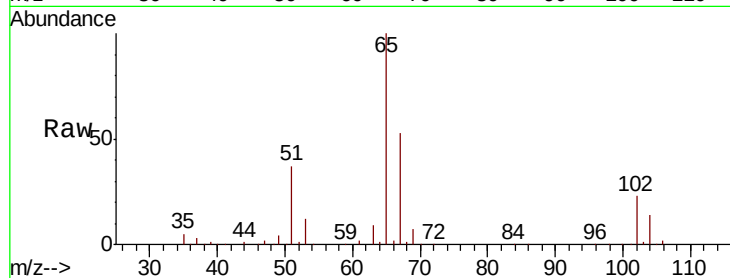




#33
 1,2-Dichloroethane-d4
 Concen: 50.43 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

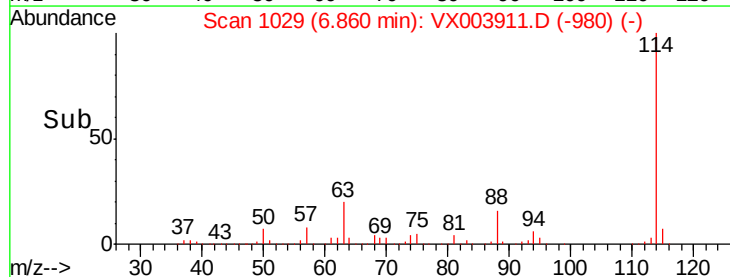
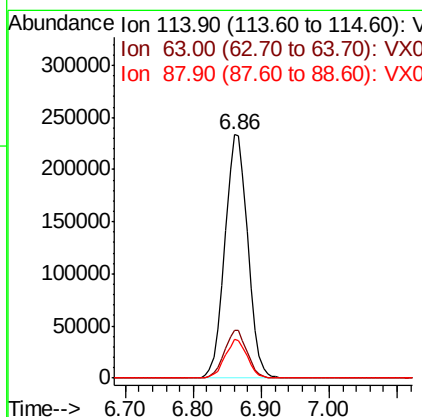
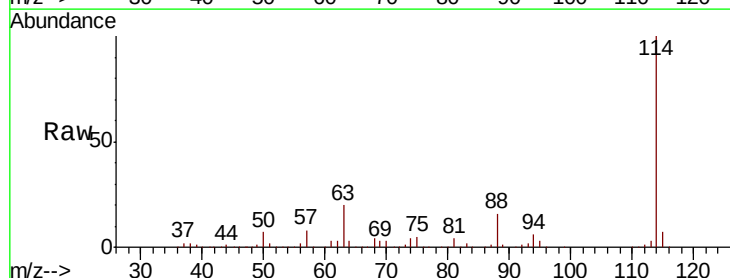
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 ClientSampled :
 FL-0539

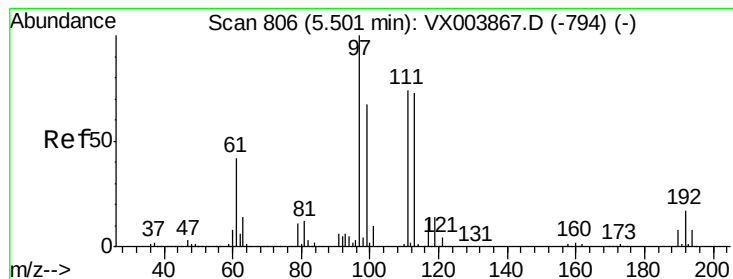
Tot Ion: 65 Resp: 23329
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

Tgt Ion: 114 Resp: 544263
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.27 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

FL-0539

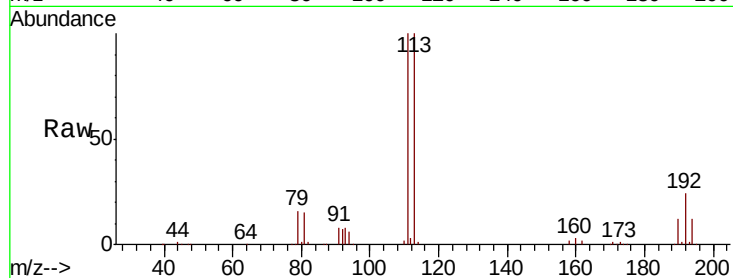
Tot Ion:113 Resp: 199034

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

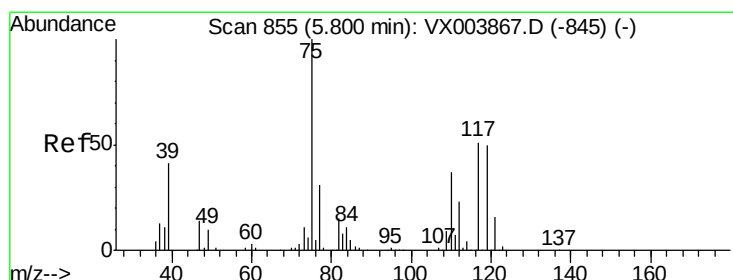
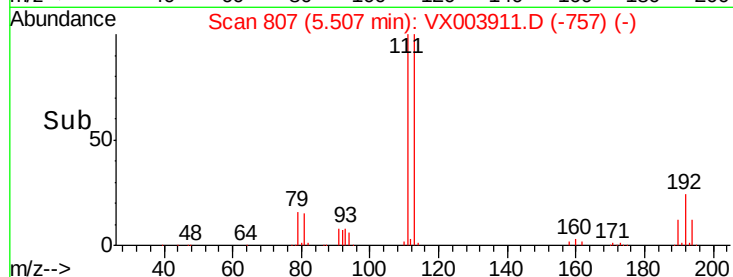
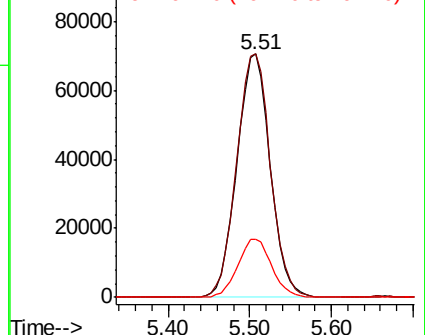
192 24.2 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.77 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

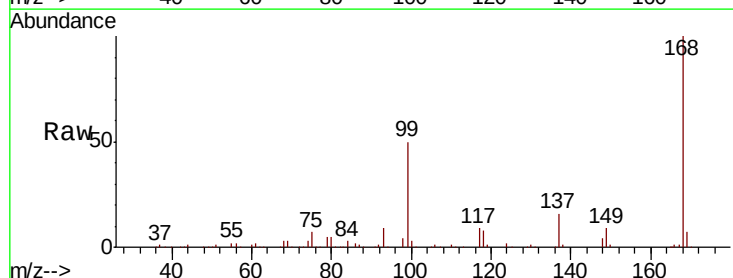
Tgt Ion: 75 Resp: 22998

Ion Ratio Lower Upper

75 100

110 9.3 18.2 54.6#

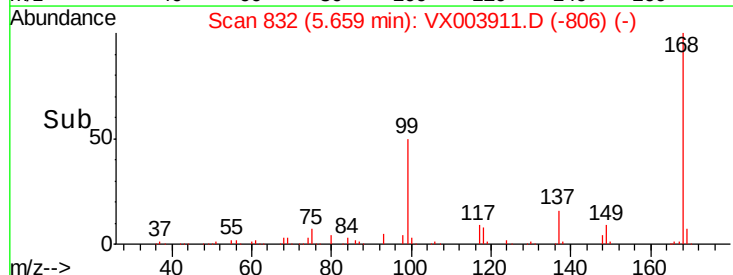
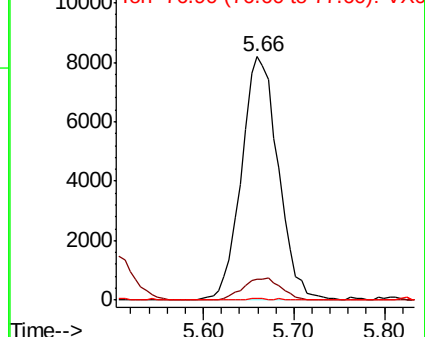
77 0.3 25.0 37.4#

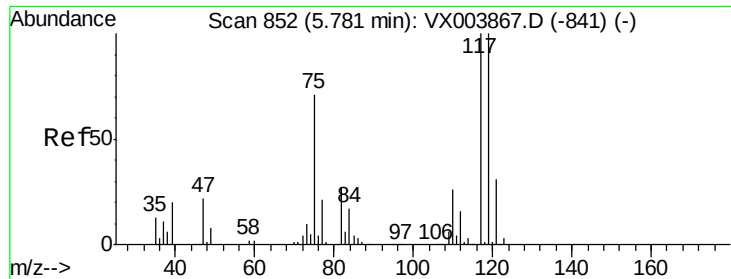


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

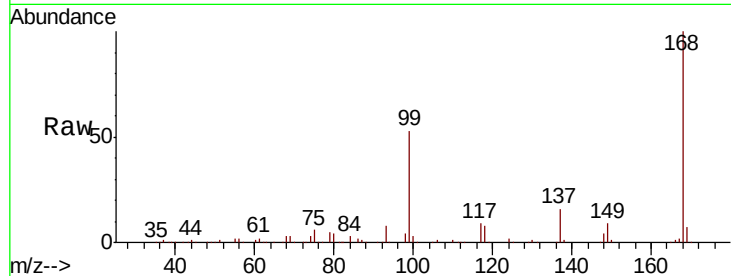




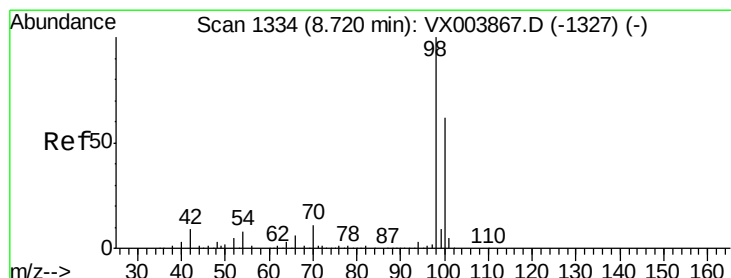
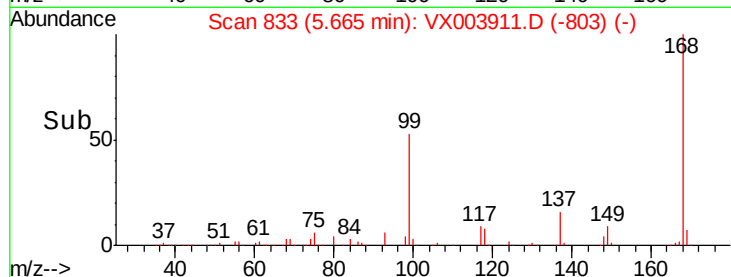
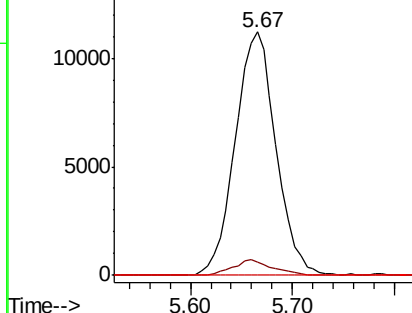
#38
Carbon Tetrachloride
Concen: 5.33 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003911.D
Acq: 08 Aug 2018 06:17

Instrument :
MSVOA_X
ClientSampleId :
FL-0539

Tot Ion:117 Resp: 30943
Ion Ratio Lower Upper
117 100
119 5.4 79.5 119.3#
121 0.0 25.0 37.4#

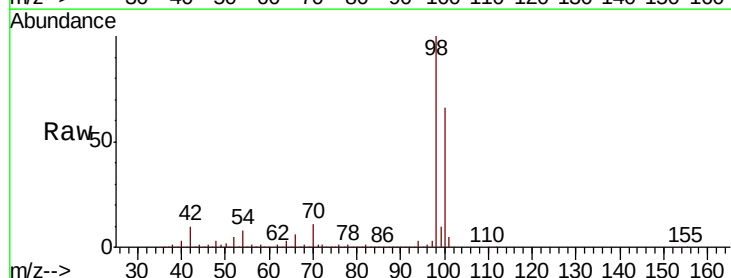


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

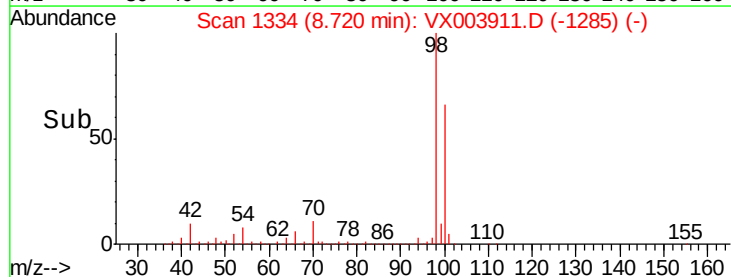
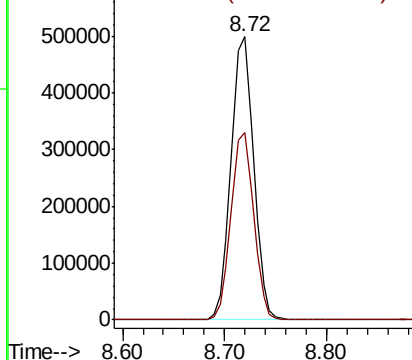


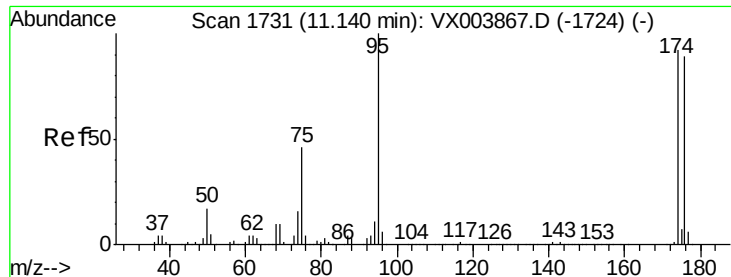
#50
Toluene-d8
Concen: 47.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003911.D
Acq: 08 Aug 2018 06:17

Tgt Ion: 98 Resp: 764885
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

FL-0539

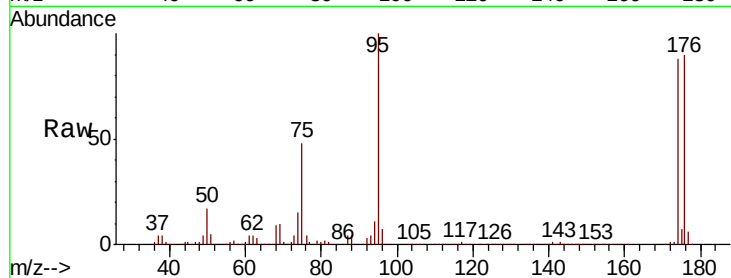
Tot Ion: 95 Resp: 277241

Ion Ratio Lower Upper

95 100

174 89.8 0.0 182.8

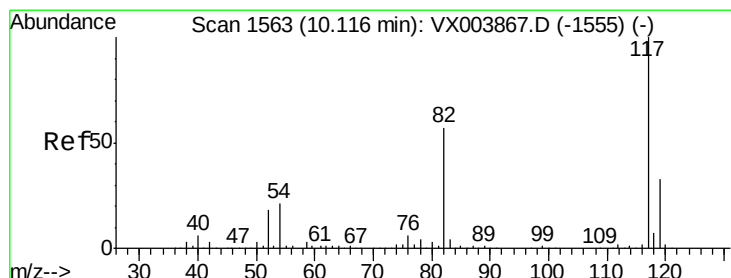
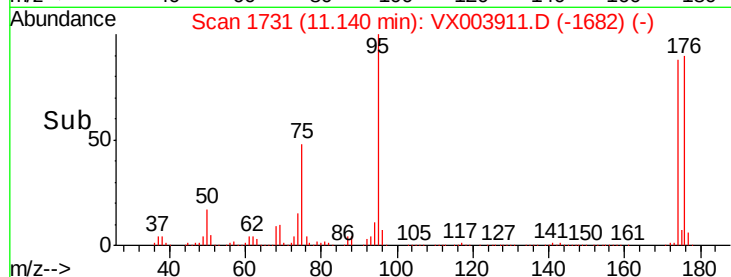
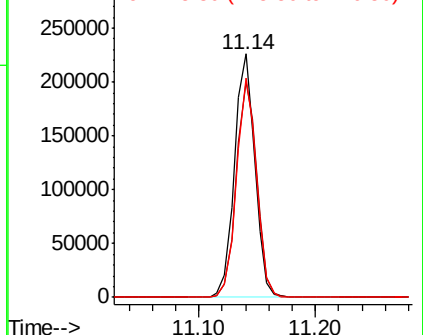
176 88.3 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

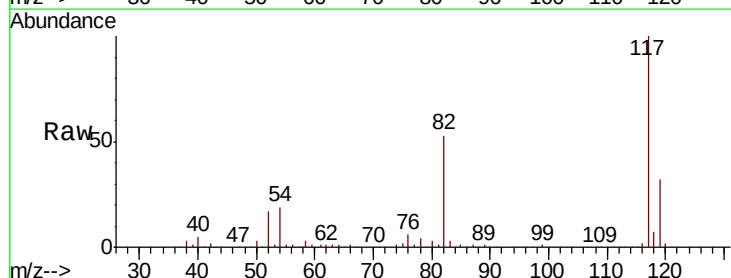
Tgt Ion: 117 Resp: 510506

Ion Ratio Lower Upper

117 100

82 53.4 45.4 68.0

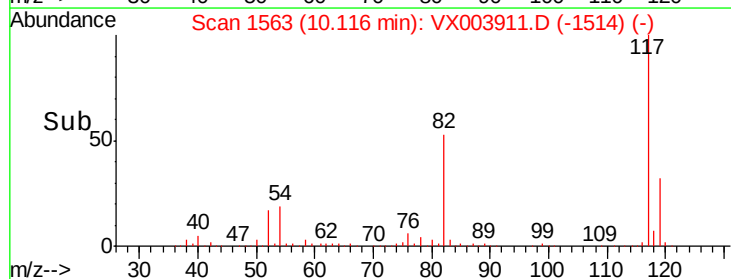
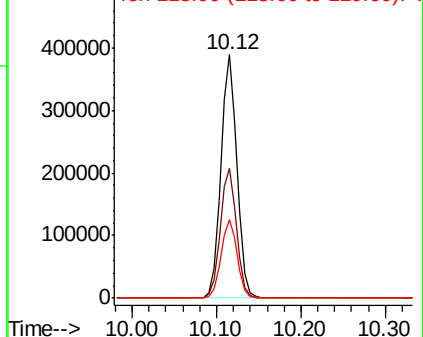
119 32.1 26.6 40.0

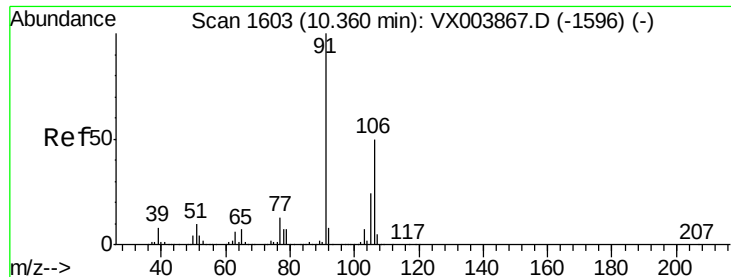


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xvlenes

Concen: 0.49 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

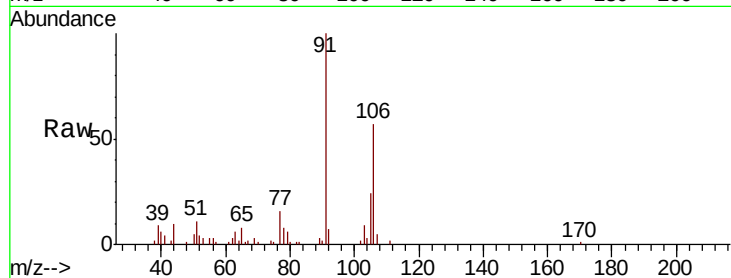
FL-0539

Tot Ion:106 Resp: 4145

Ion Ratio Lower Upper

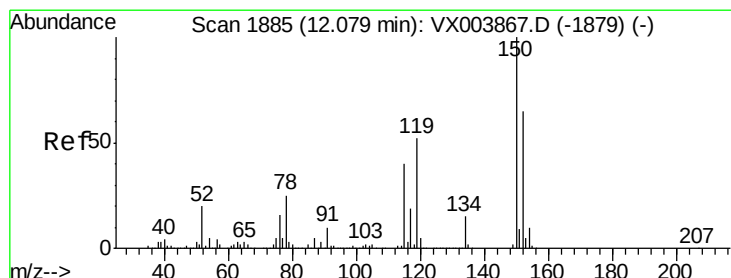
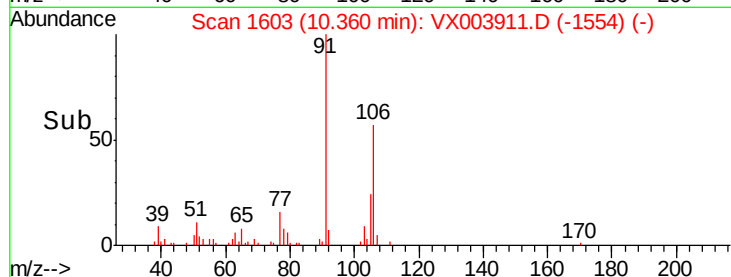
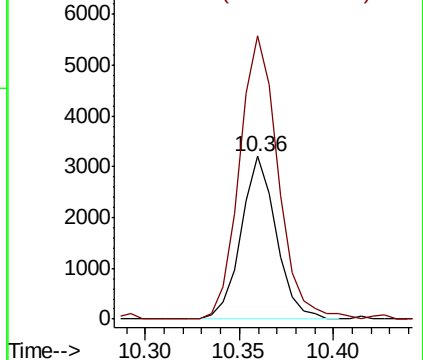
106 100

91 191.0 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

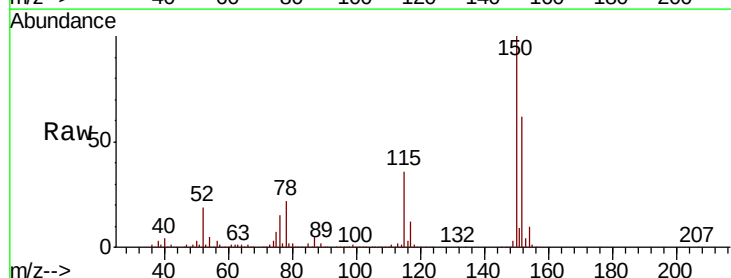
Tgt Ion:152 Resp: 286447

Ion Ratio Lower Upper

152 100

115 56.6 39.1 117.3

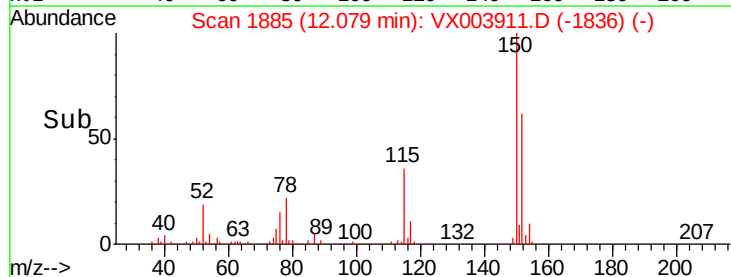
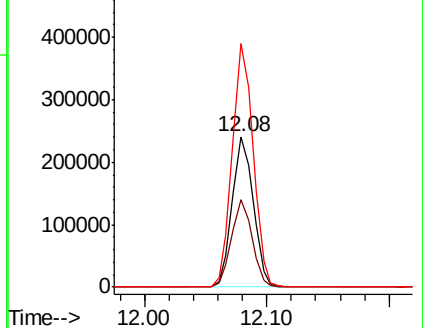
150 160.5 0.0 349.2

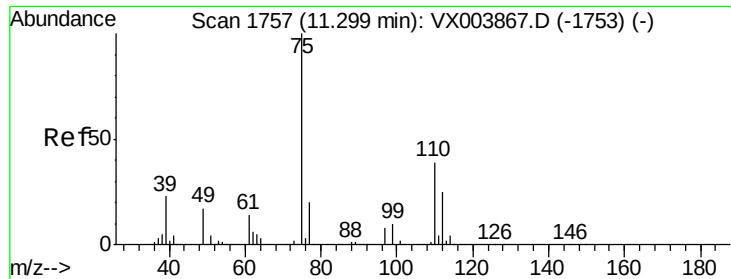


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

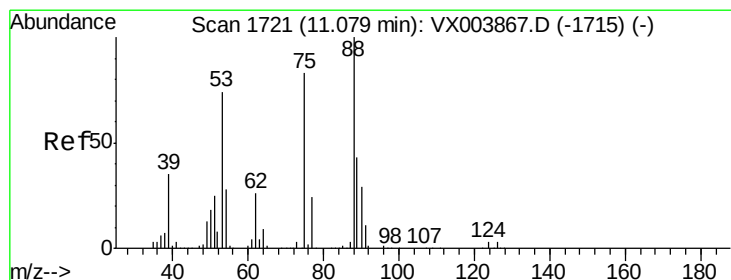
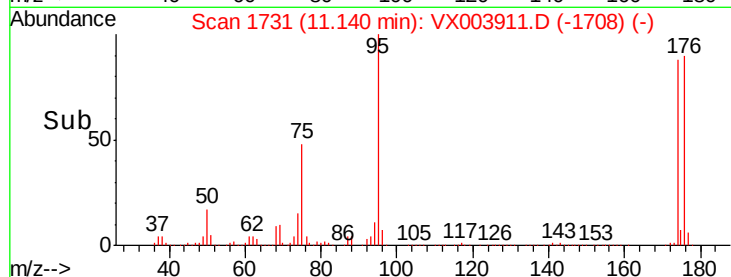
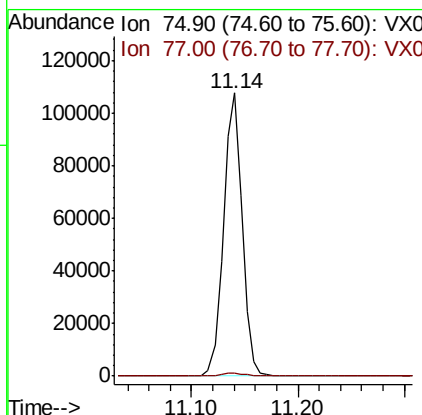
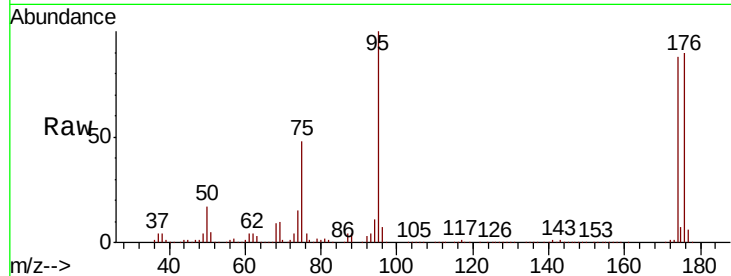




#76
 1,2,3-Trichloropropane
 Concen: 20.74 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

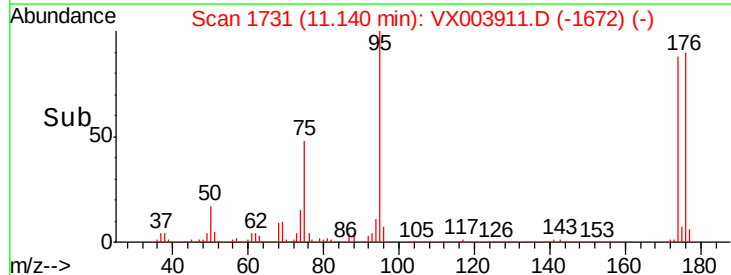
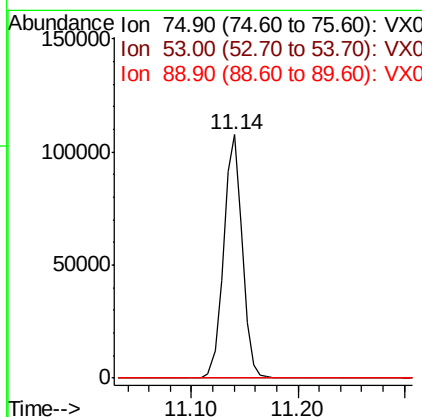
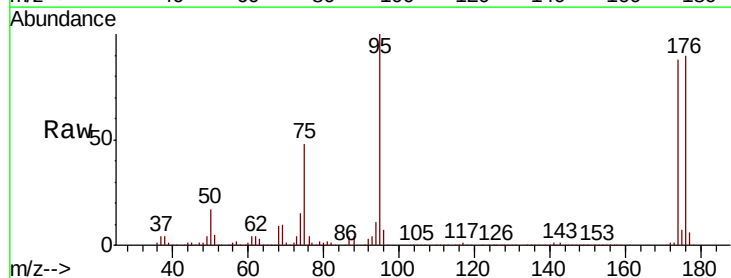
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0539

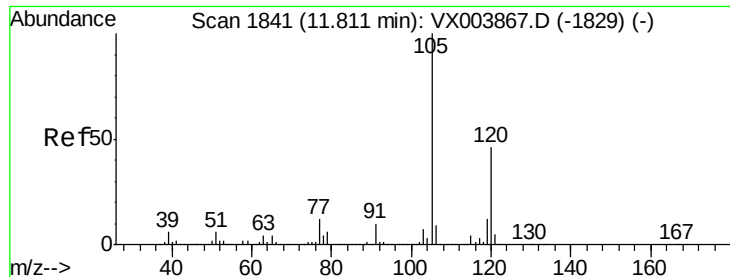
Tot Ion: 75 Resp: 131233
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.14 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

Tgt Ion: 75 Resp: 131233
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.3 120.5#
 89 0.0 37.8 56.8#

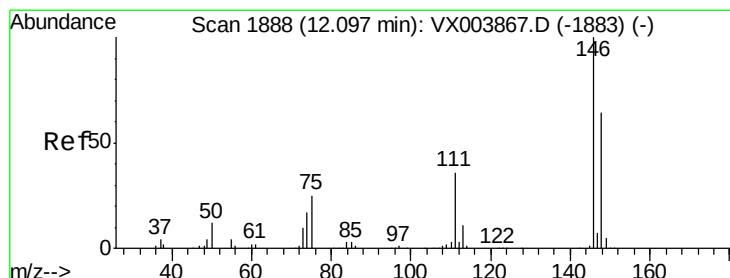
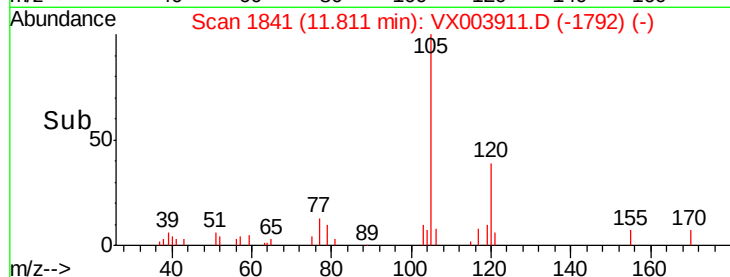
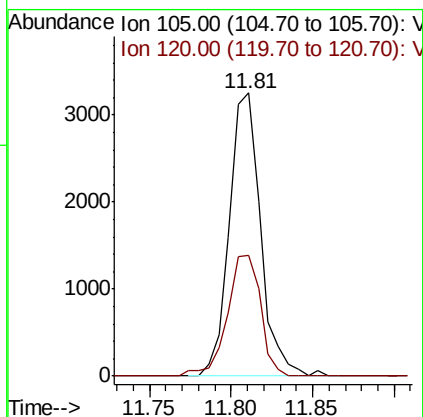
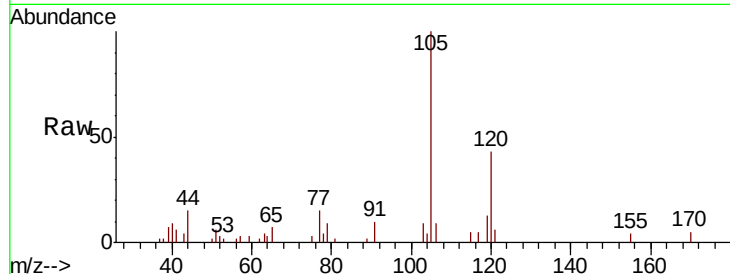




#84
 1,2,4-Trimethylbenzene
 Concen: 0.25 ua/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

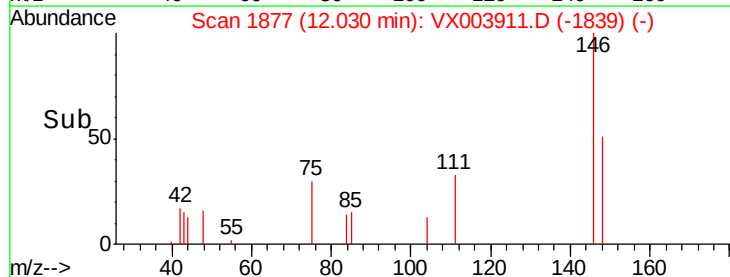
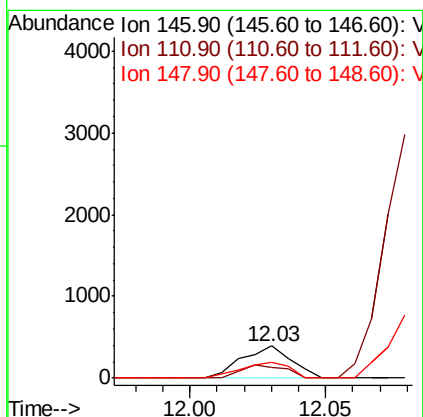
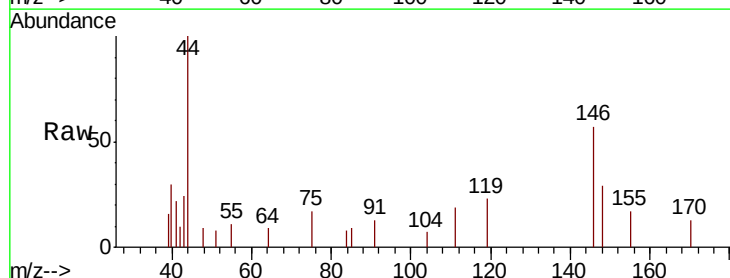
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0539

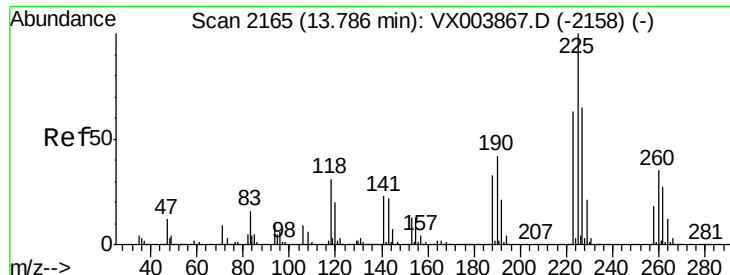
Tot Ion:105 Resp: 4323
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.2



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX003911.D
 Acq: 08 Aug 2018 06:17

Tgt Ion:146 Resp: 491
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.0
 148 48.5 32.3 96.8





#94

Hexachlorobutadiene

Concen: 0.49 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VX003911.D

Acq: 08 Aug 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

FL-0539

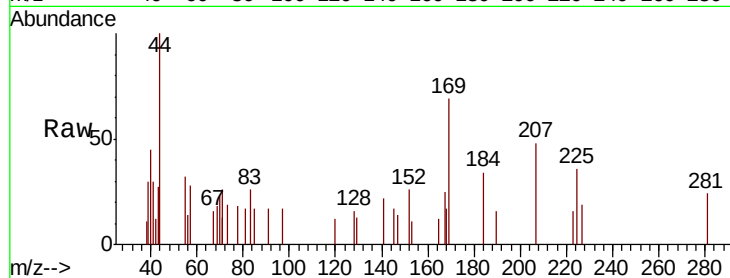
Tot Ion: 225 Resp: 210

Ion Ratio Lower Upper

225 100

223 53.8 31.4 94.0

227 53.8 32.1 96.5



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

