

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003919.D
 Acq On : 08 Aug 2018 13:18
 Operator : JC/MD
 Sample : J4344-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0536

Quant Time: Aug 09 03:11:55 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	317126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	496062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	460655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236877	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	218596	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	5.51	113	185482	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	8.72	98	696940	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.14	95	246846	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	

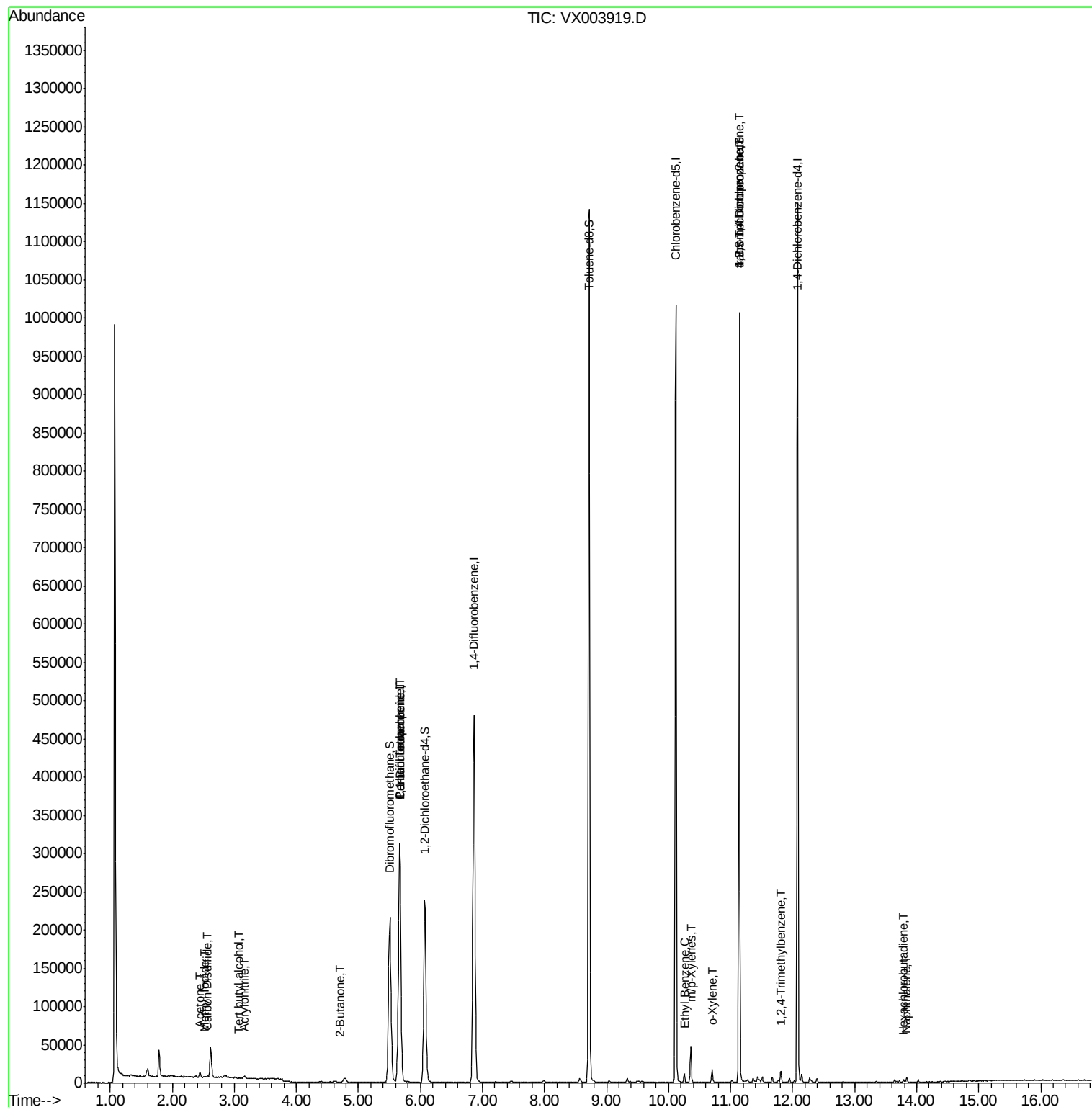
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	508	Below Cal	#	67
10) Methyl Iodide	2.51	142	1114	0.25	ug/l	# 88
11) Tert butyl alcohol	3.07	59	369	0.37	ug/l	# 56
13) Acrolein	2.29	56	495	Below Cal	#	62
15) Acrylonitrile	3.15	53	1009	0.42	ug/l	# 84
16) Acetone	2.45	43	6811	2.72	ug/l	100
17) Carbon Disulfide	2.57	76	3099	0.76	ug/l	# 83
20) Methylene Chloride	2.86	84	944	Below Cal	#	86
25) 2-Butanone	4.71	43	847	0.23	ug/l	# 88
36) 1,1-Dichloropropene	5.66	75	21196	3.82	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	27793	5.26	ug/l	# 15
67) Ethyl Benzene	10.26	91	6338	0.32	ug/l	96
68) m/p-Xylenes	10.36	106	10877	1.42	ug/l	90
69) o-Xylene	10.70	106	3814	0.53	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	117438	22.45	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	117438	60.57	ug/l	# 9
84) 1,2,4-Trimethylbenzene	11.81	105	6354	0.44	ug/l	97
88) 1,4-Dichlorobenzene	12.03	146	1068	Below Cal		94
94) Hexachlorobutadiene	13.79	225	682	0.68	ug/l	92
95) Naphthalene	13.84	128	4106	0.23	ug/l	98

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

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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: VX003919.D

Acq: 08 Aug 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

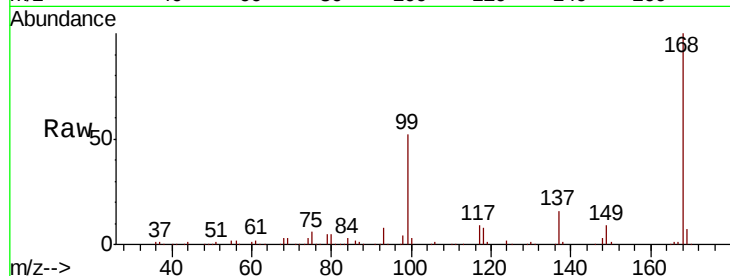
FL-0536

Tot Ion:168 Resp: 317126

Ion Ratio Lower Upper

168 100

99 51.6 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): VX003867.D (-819) (-)

Ion 98.90 (98.60 to 99.60): VX003867.D (-819) (-)

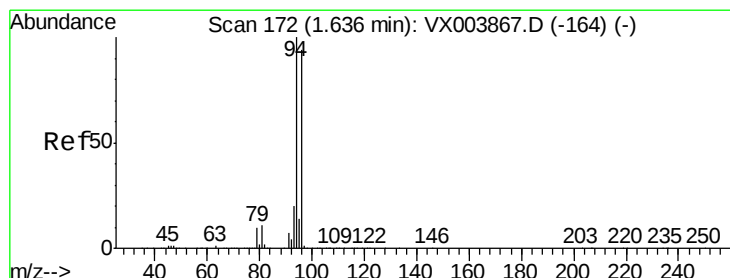
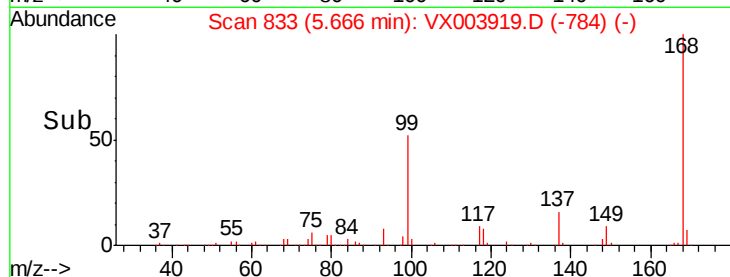
5.67

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003919.D

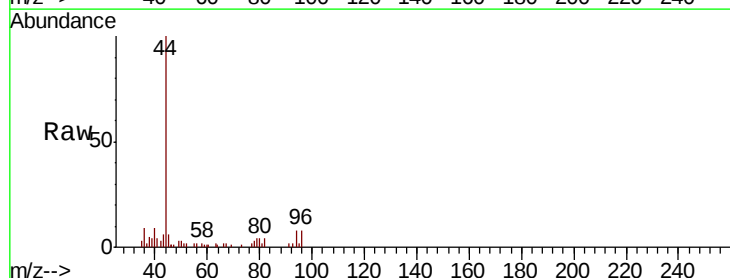
Acq: 08 Aug 2018 13:18

Tgt Ion: 94 Resp: 508

Ion Ratio Lower Upper

94 100

96 126.3 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX003867.D (-164) (-)

Ion 95.90 (95.60 to 96.60): VX003867.D (-164) (-)

1.65

400

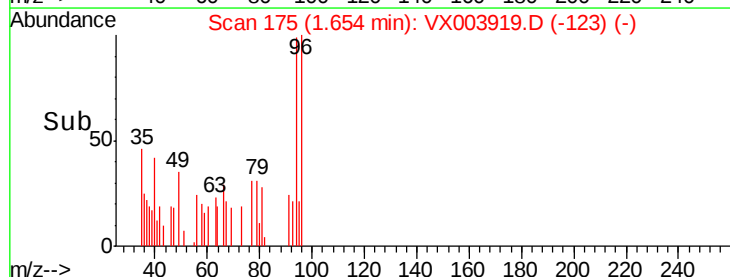
300

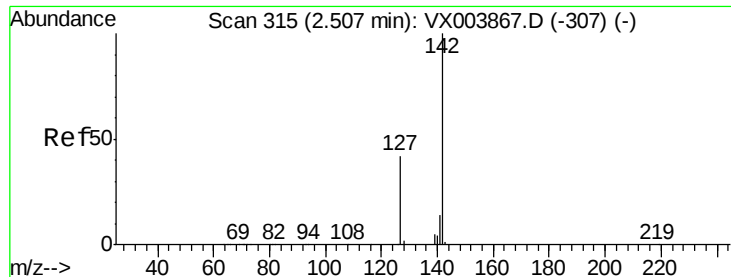
200

100

0

Time-->

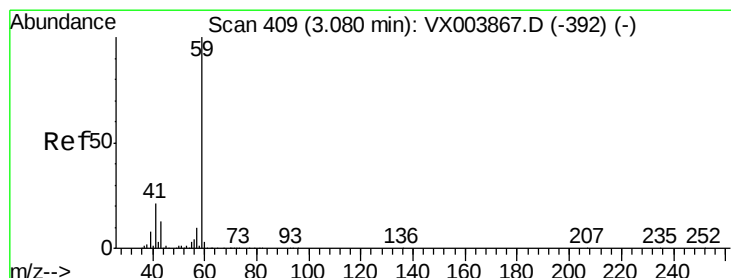
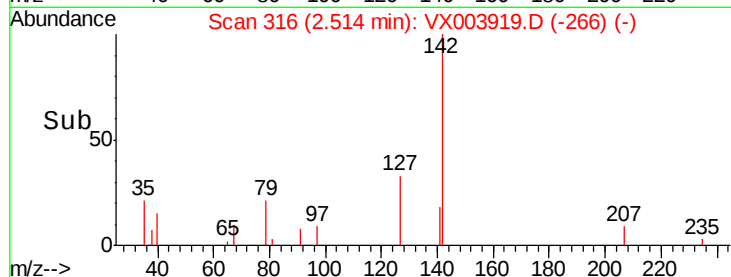
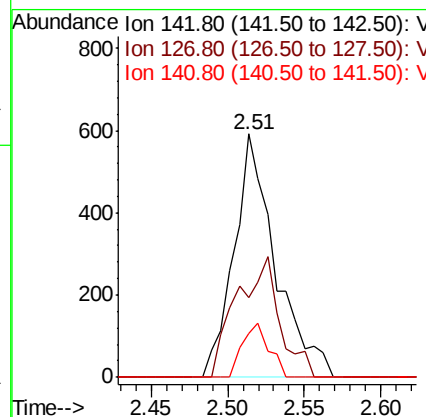
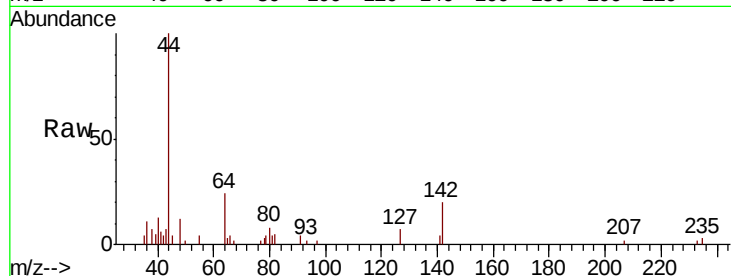




#10
Methvl Iodide
Concen: 0.25 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

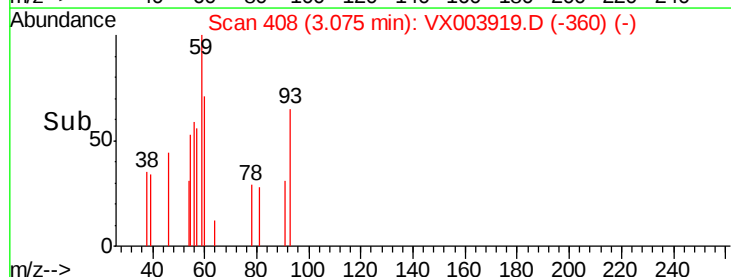
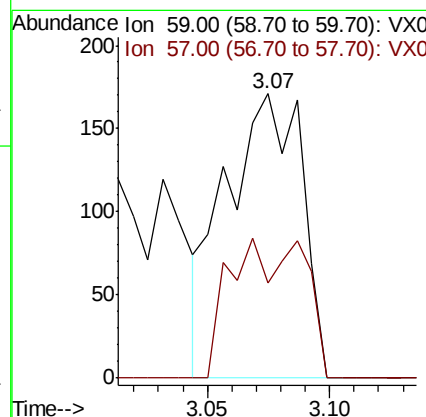
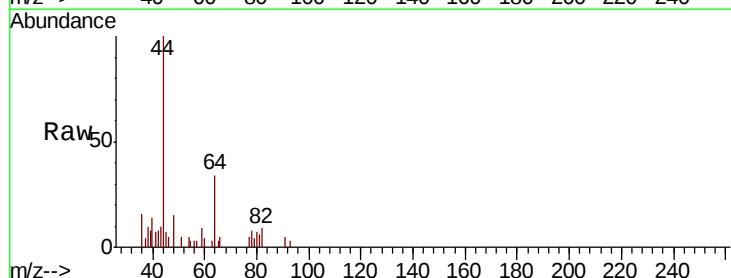
Instrument :
MSVOA_X
ClientSampleId :
FL-0536

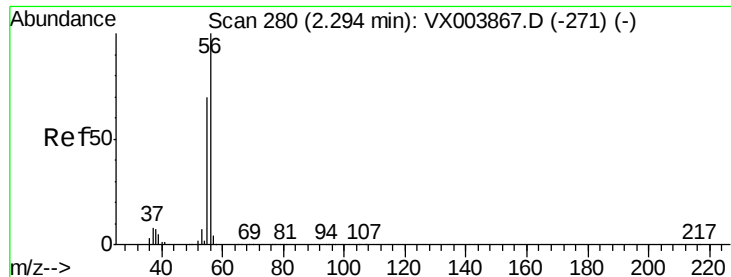
Tot Ion:142 Resp: 1114
Ion Ratio Lower Upper
142 100
127 51.2 33.1 49.7#
141 14.2 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 26.6 8.1 12.1#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

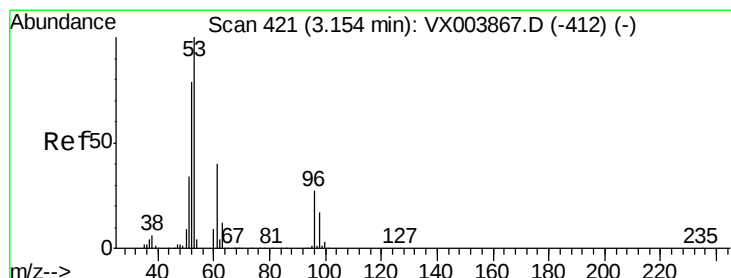
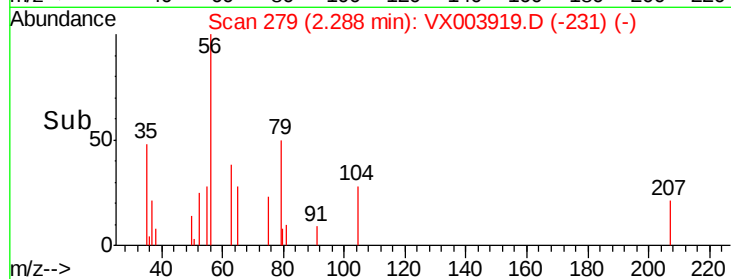
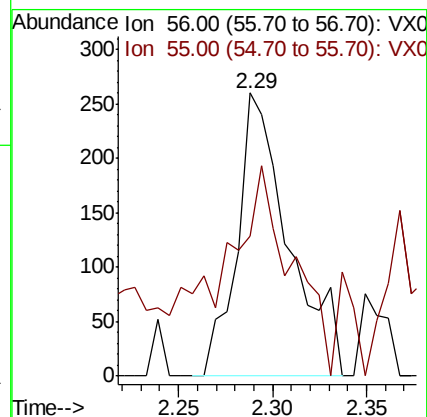
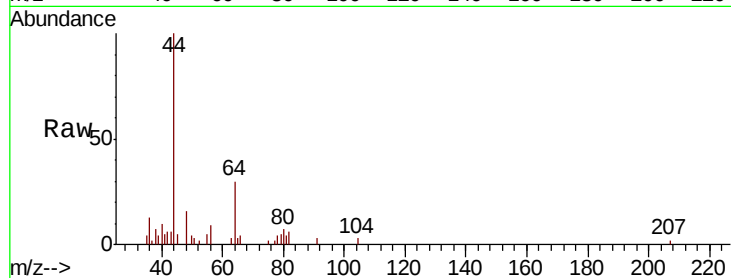
FL-0536

Tot Ion: 56 Resp: 495

Ion Ratio Lower Upper

56 100

55 101.2 56.1 84.1#



#15

Acrylonitrile

Concen: 0.42 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

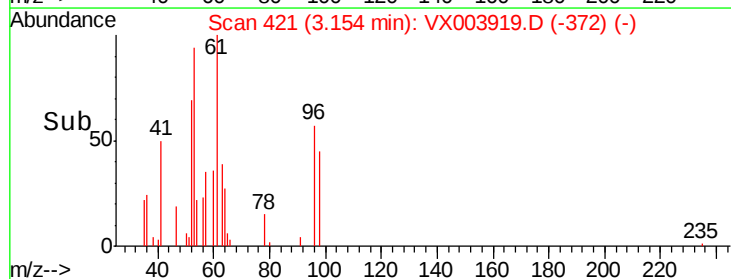
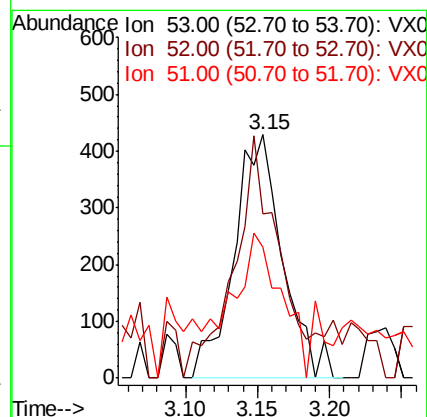
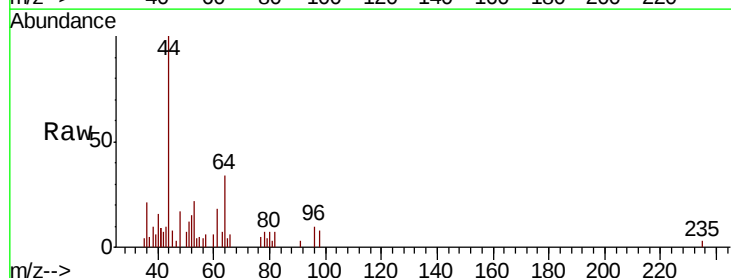
Tgt Ion: 53 Resp: 1009

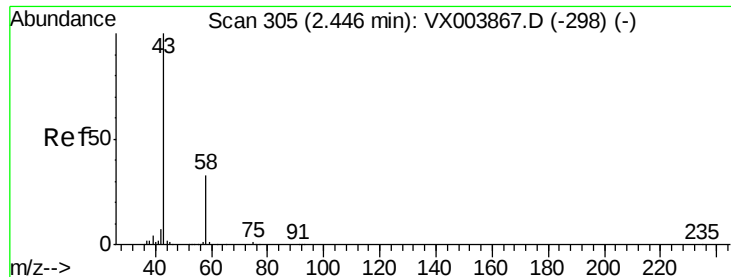
Ion Ratio Lower Upper

53 100

52 89.5 65.3 97.9

51 53.7 27.9 41.9#





#16

Acetone

Concen: 2.72 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

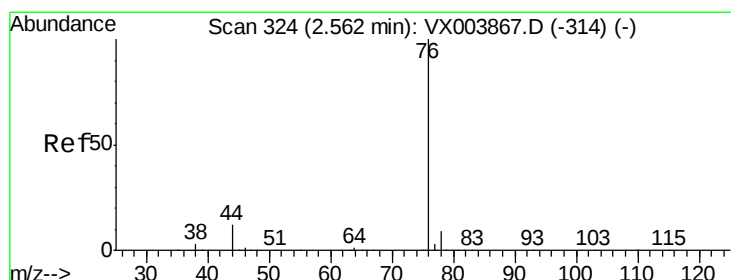
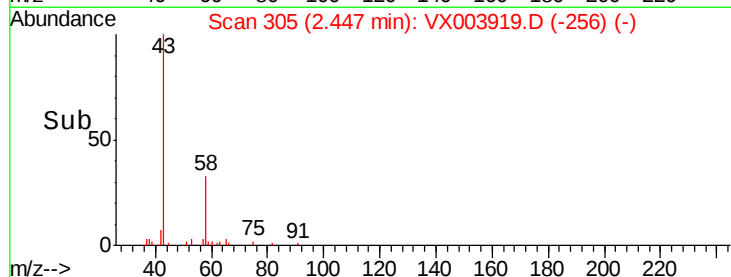
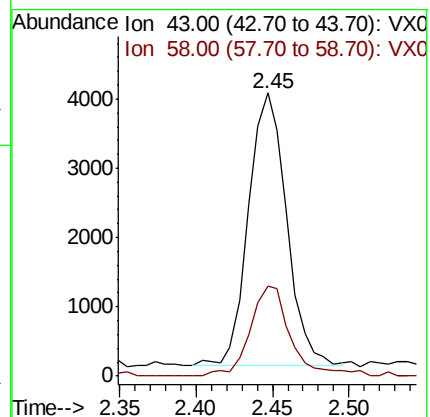
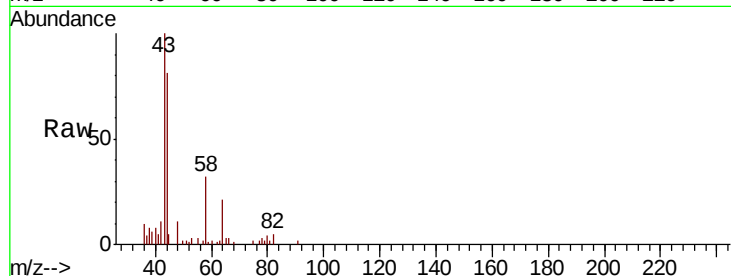
FL-0536

Tot Ion: 43 Resp: 6811

Ion Ratio Lower Upper

43 100

58 33.0 26.4 39.6



#17

Carbon Disulfide

Concen: 0.76 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003919.D

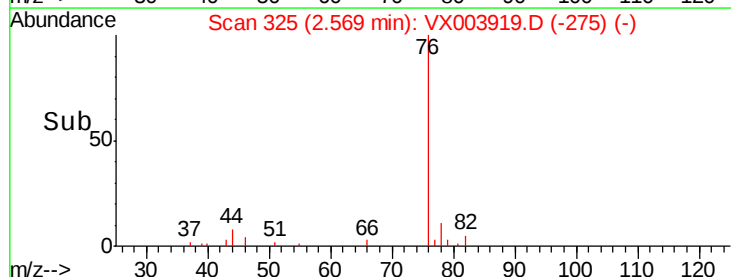
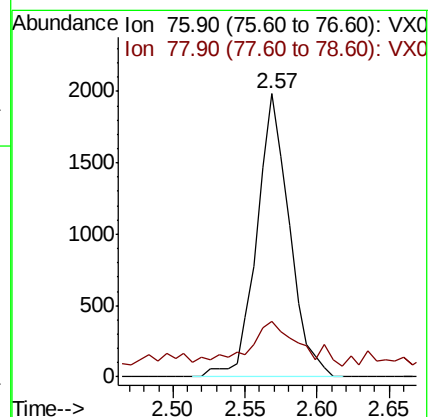
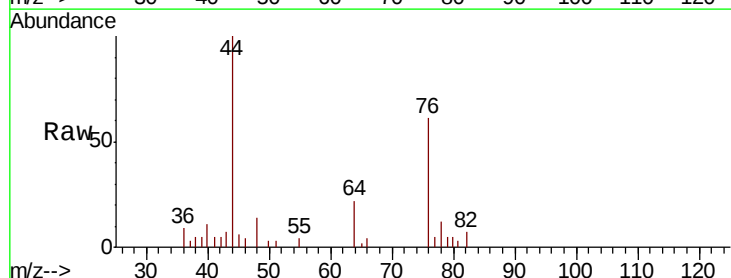
Acq: 08 Aug 2018 13:18

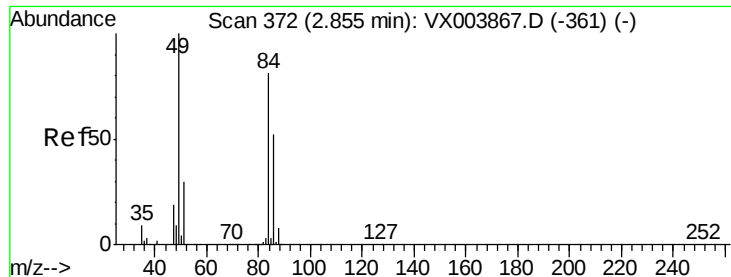
Tgt Ion: 76 Resp: 3099

Ion Ratio Lower Upper

76 100

78 15.6 7.5 11.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

FL-0536

Tot Ion: 84 Resp: 944

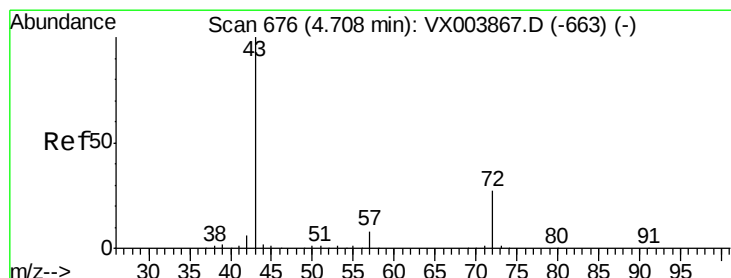
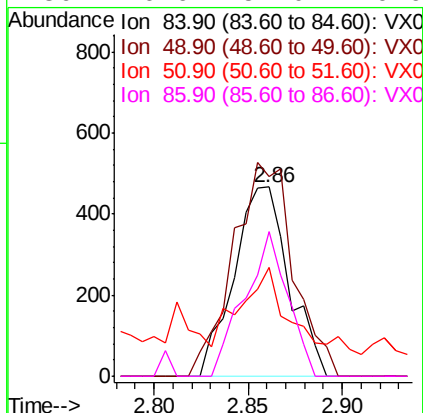
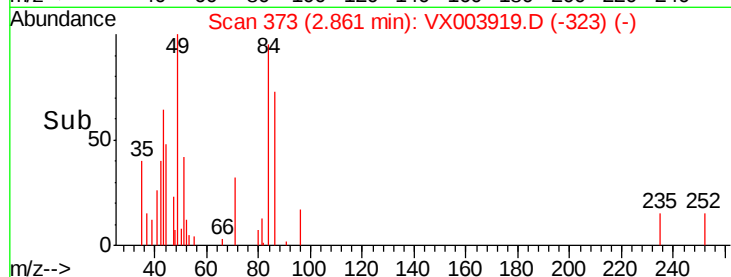
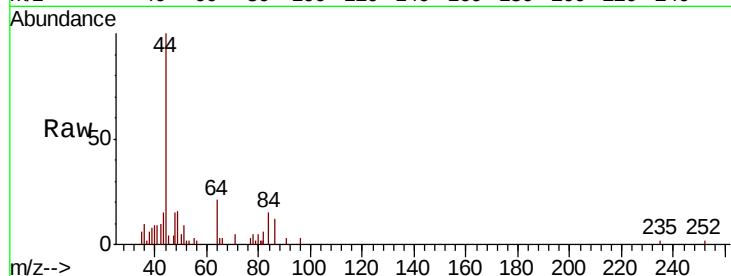
Ion Ratio Lower Upper

84 100

49 105.6 98.9 148.3

51 36.9 29.9 44.9

86 76.6 51.0 76.6#



#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003919.D

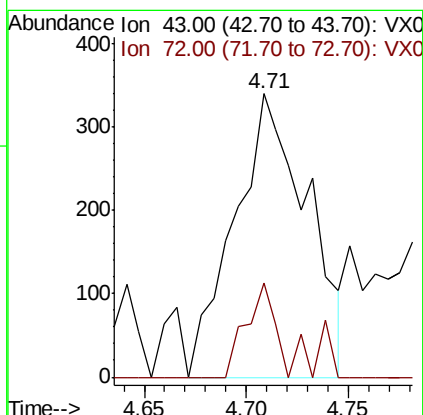
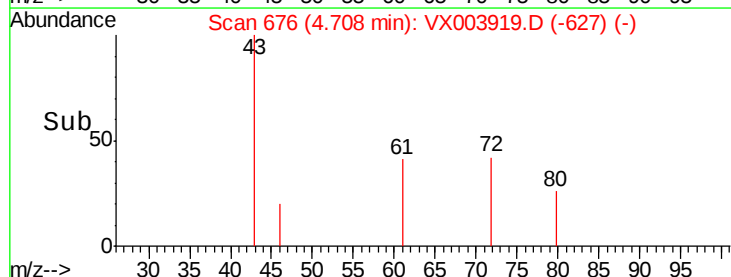
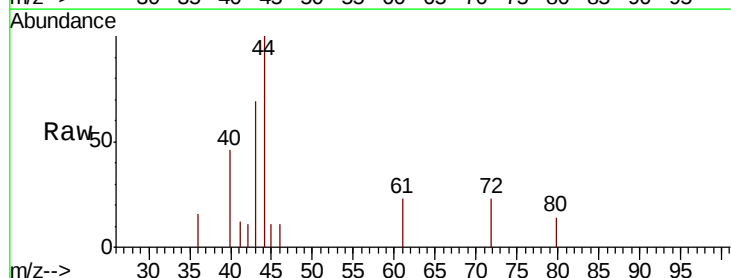
Acq: 08 Aug 2018 13:18

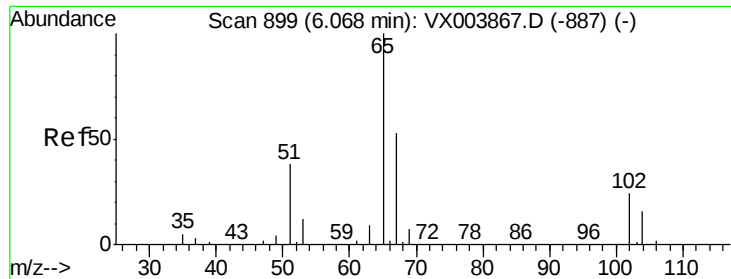
Tgt Ion: 43 Resp: 847

Ion Ratio Lower Upper

43 100

72 33.0 21.4 32.0#

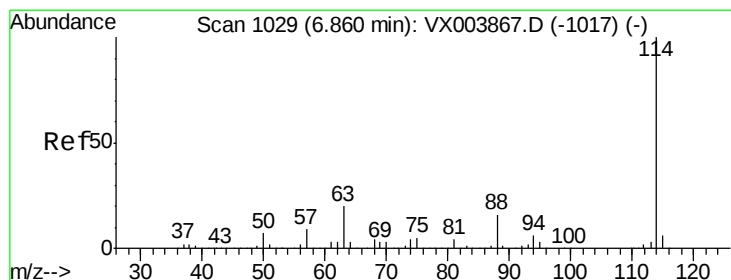
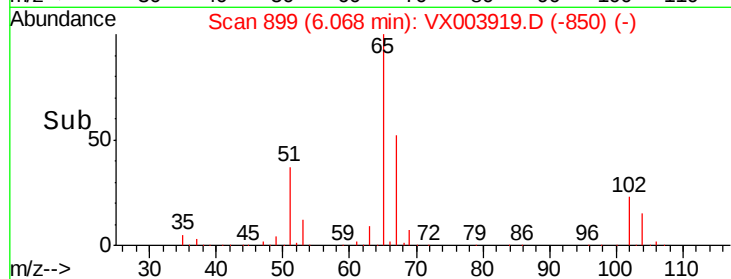
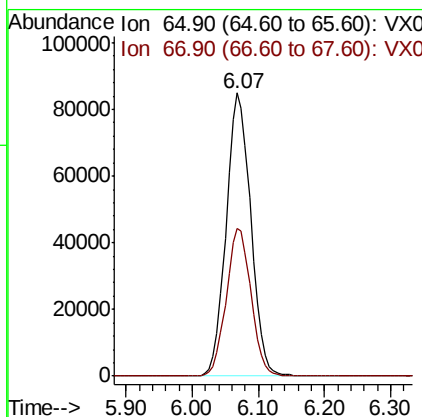
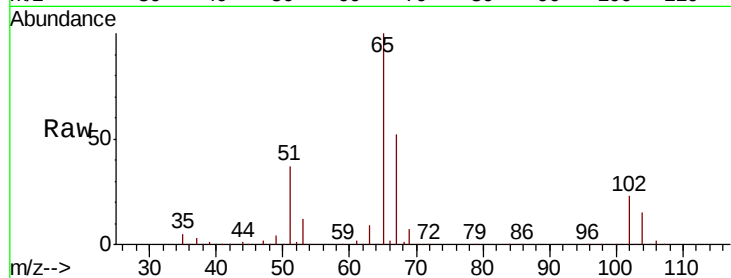




#33
 1,2-Dichloroethane-d4
 Concen: 52.00 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003919.D
 Acq: 08 Aug 2018 13:18

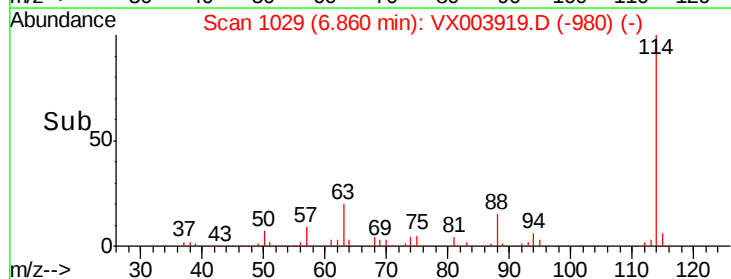
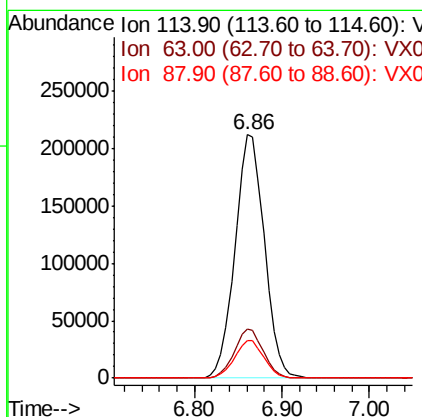
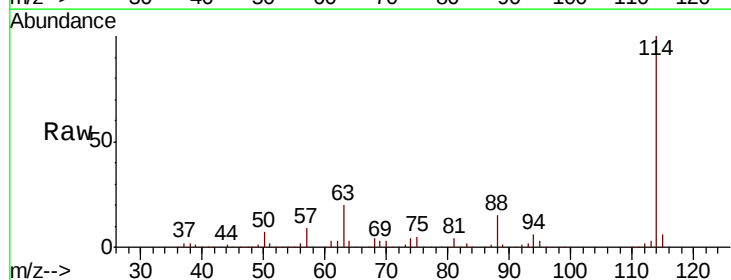
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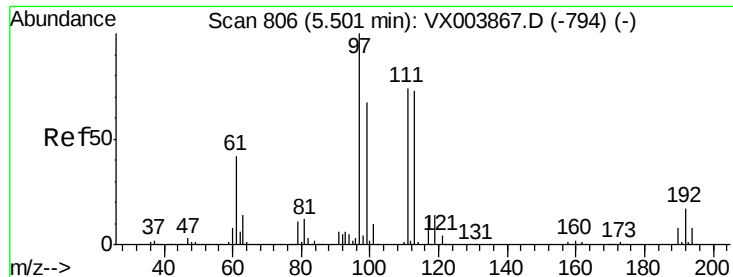
Tot Ion: 65 Resp: 218596
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003919.D
 Acq: 08 Aug 2018 13:18

Tgt Ion: 114 Resp: 496062
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.36 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

FL-0536

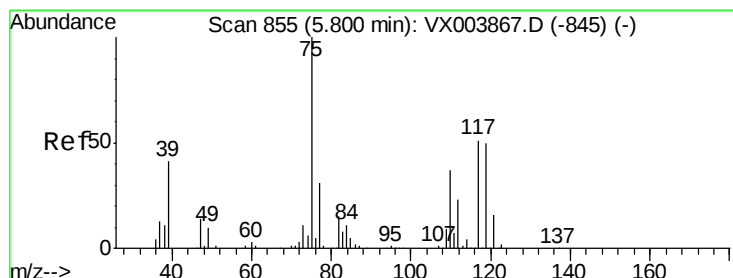
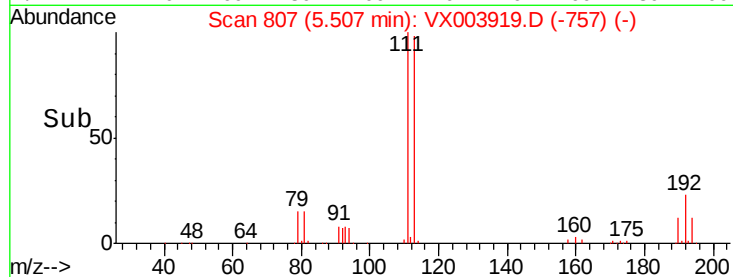
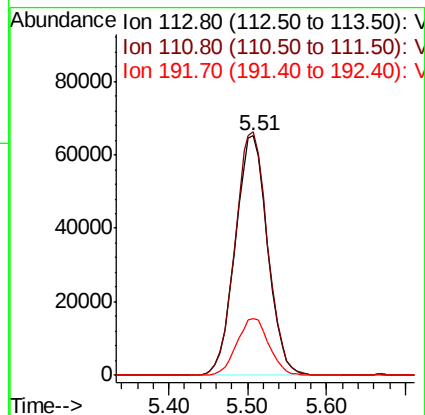
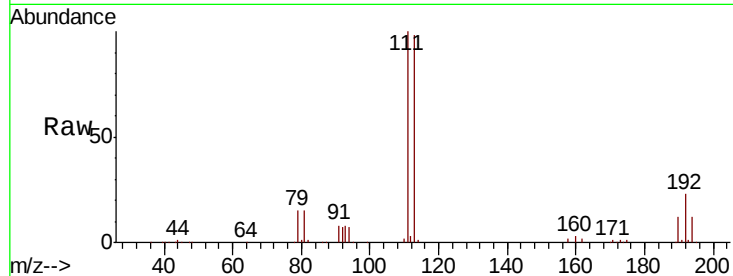
Tot Ion:113 Resp: 185482

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 23.7 19.0 28.4



#36

1,1-Dichloropropene

Concen: 3.82 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

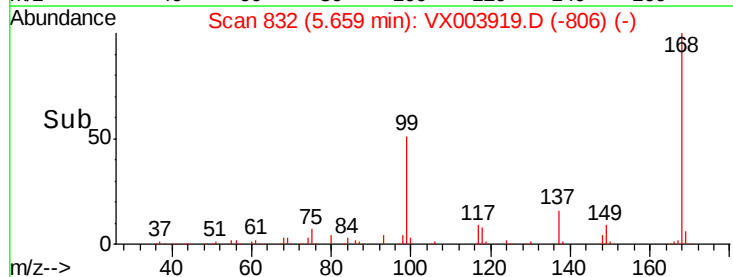
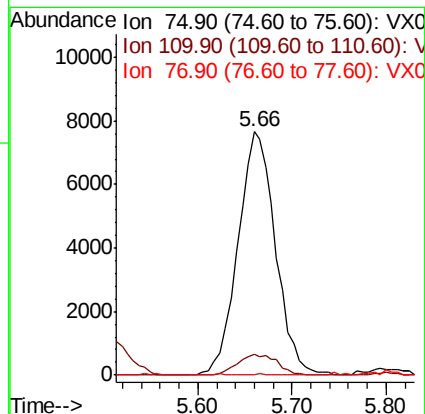
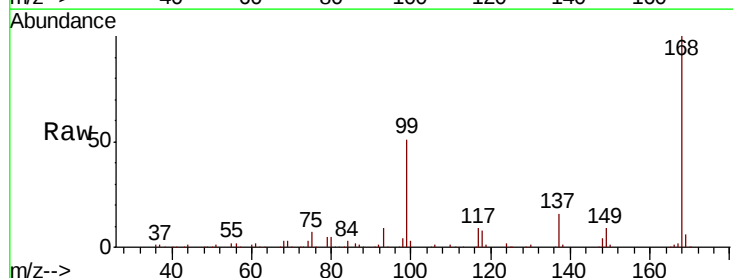
Tgt Ion: 75 Resp: 21196

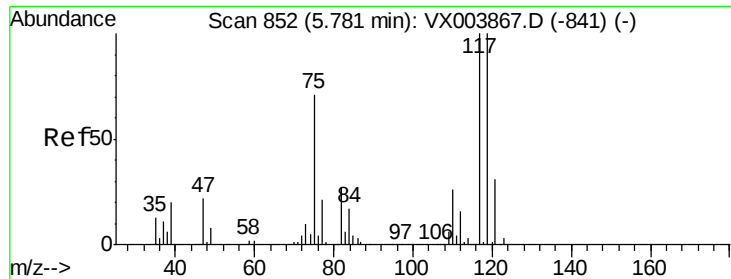
Ion Ratio Lower Upper

75 100

110 8.9 18.2 54.6#

77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.26 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

Instrument :

MSVOA_X

ClientSampled :

FL-0536

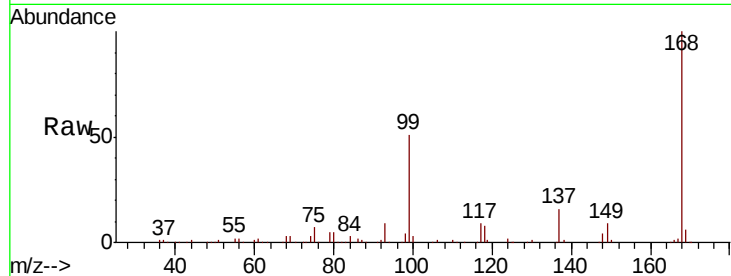
Tot Ion:117 Resp: 27793

Ion Ratio Lower Upper

117 100

119 6.2 79.5 119.3#

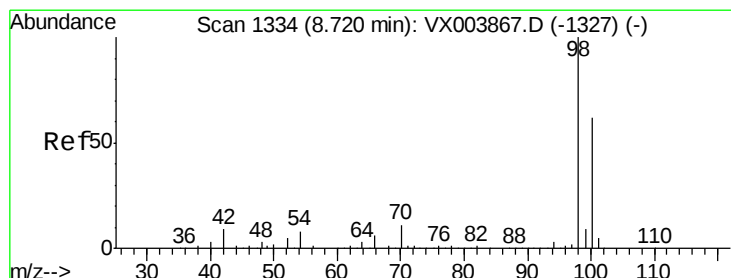
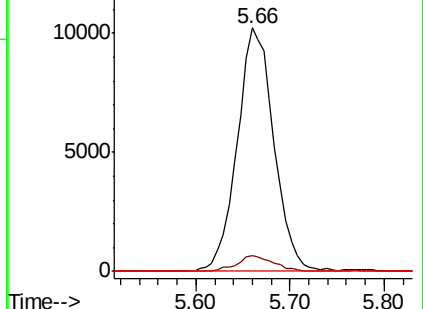
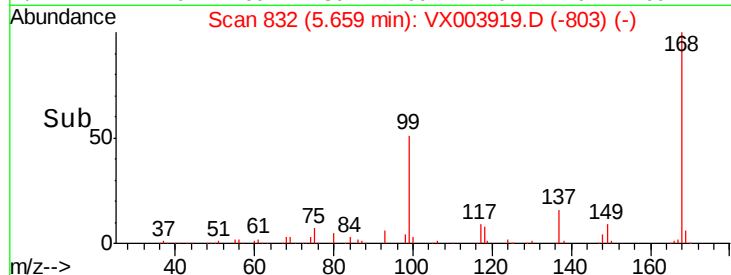
121 0.0 25.0 37.4#



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: 47.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003919.D

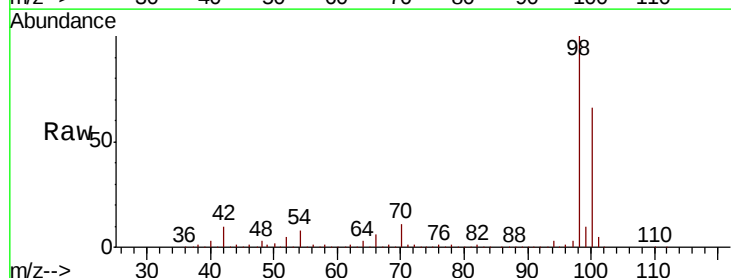
Acq: 08 Aug 2018 13:18

Tgt Ion: 98 Resp: 696940

Ion Ratio Lower Upper

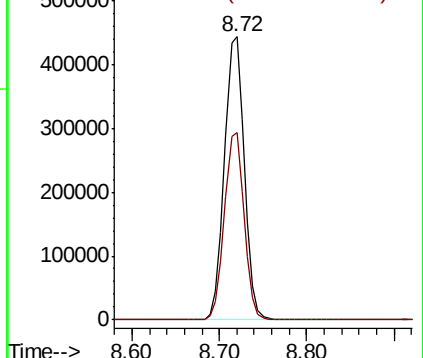
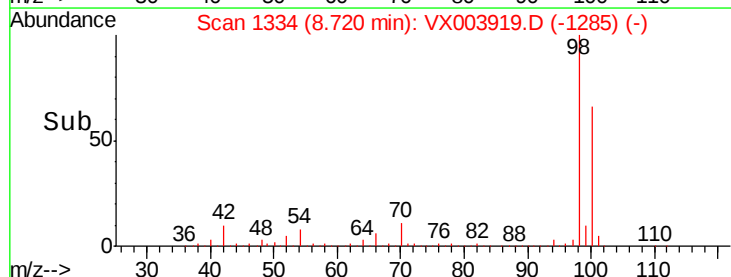
98 100

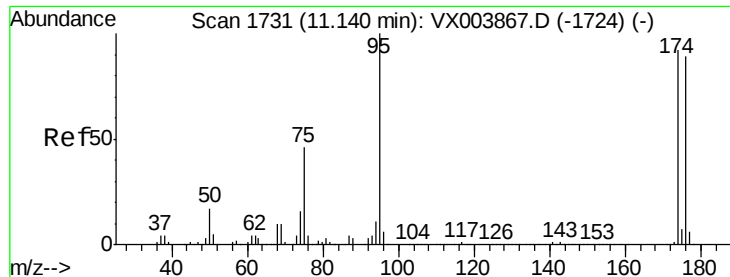
100 65.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

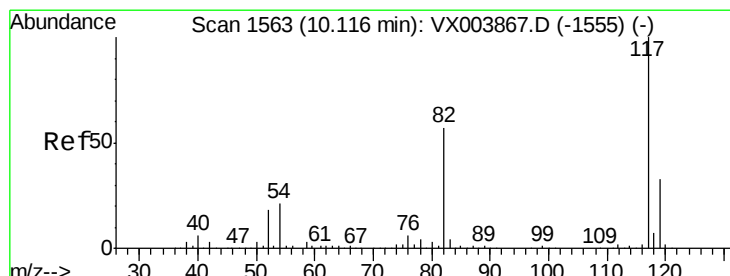
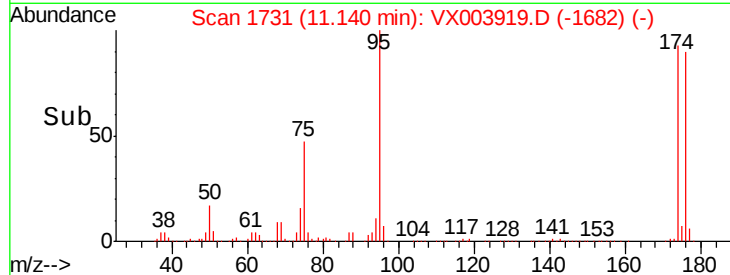
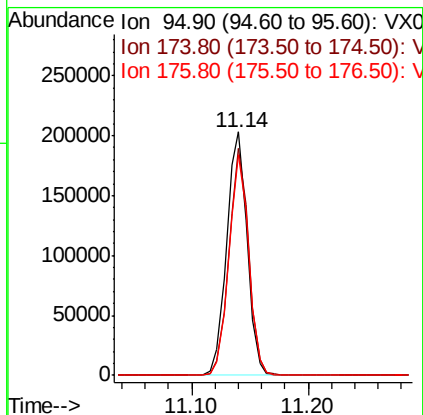
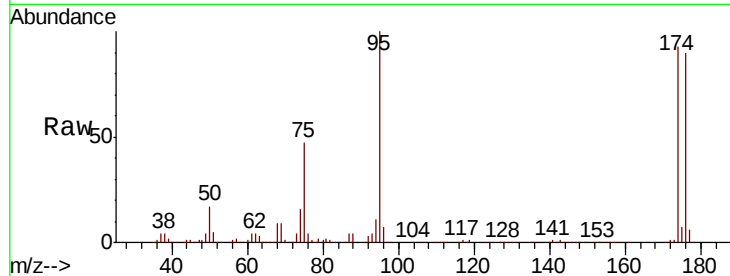




#62
4-Bromofluorobenzene
Concen: 52.20 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

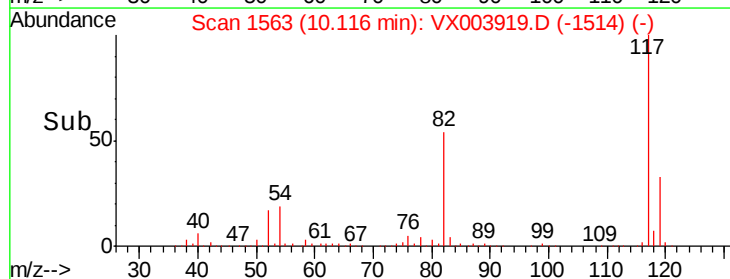
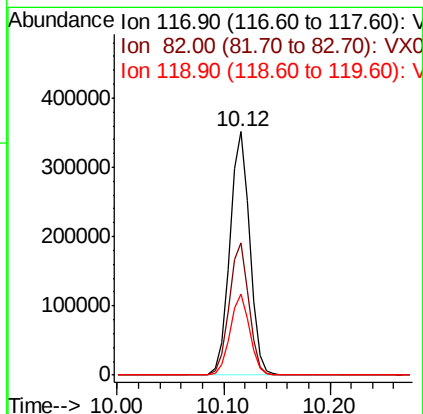
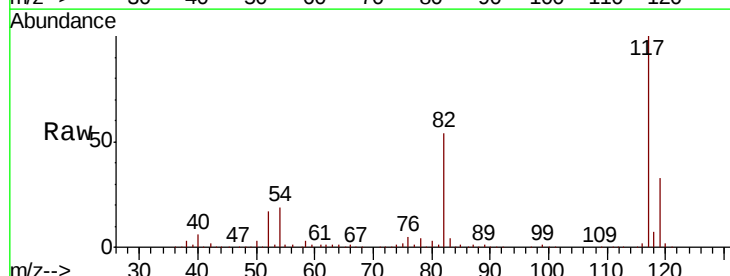
Instrument :
MSVOA_X
ClientSampled :
FL-0536

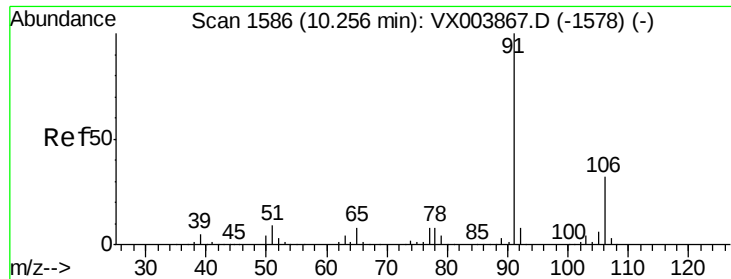
Tot Ion: 95 Resp: 246846
Ion Ratio Lower Upper
95 100
174 90.2 0.0 182.8
176 88.1 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

Tgt Ion: 117 Resp: 460655
Ion Ratio Lower Upper
117 100
82 54.3 45.4 68.0
119 33.2 26.6 40.0

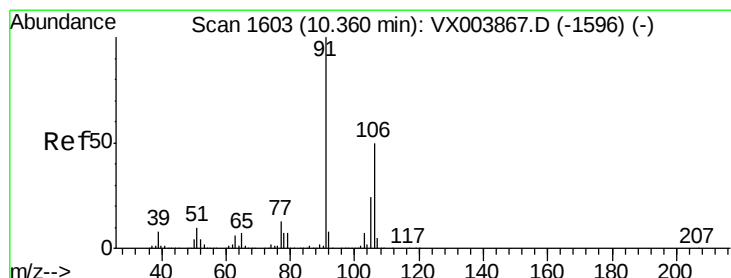
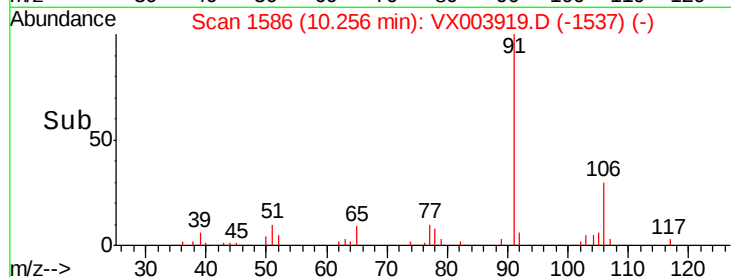
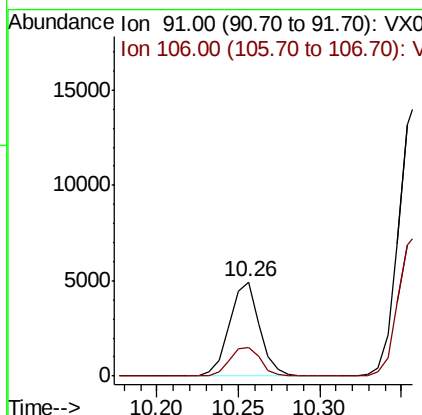
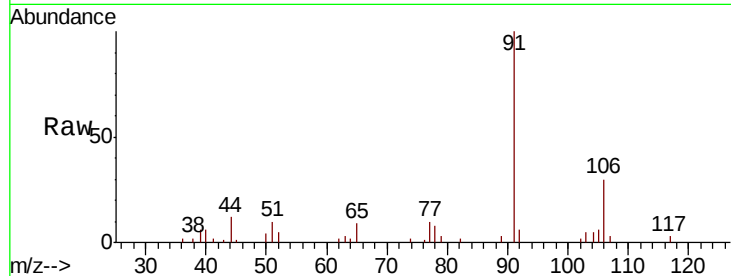




#67
Ethyl Benzene
Concen: 0.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

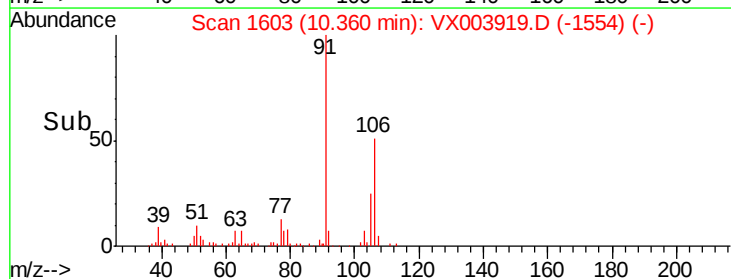
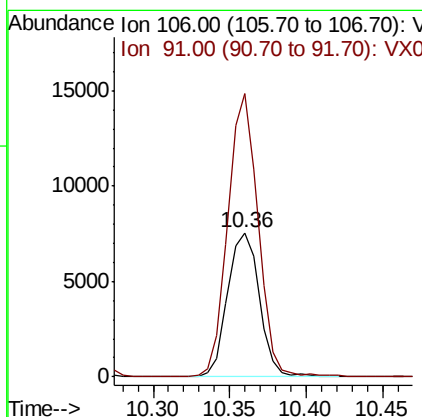
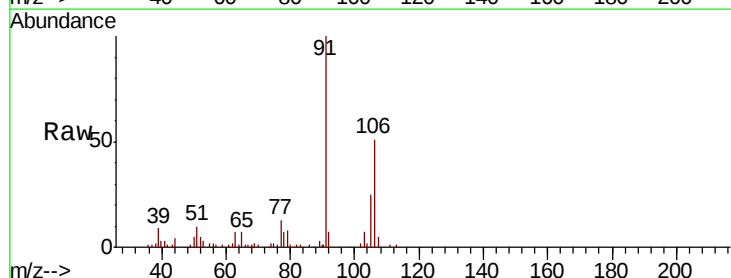
Instrument :
MSVOA_X
ClientSampled :
FL-0536

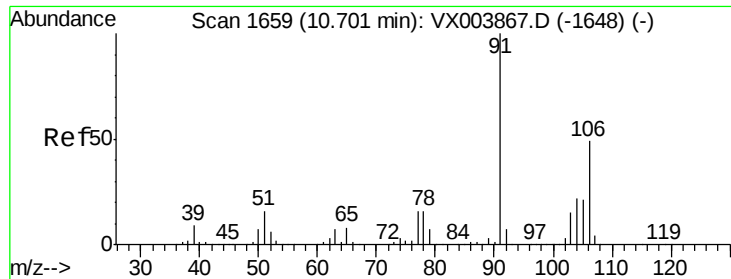
Tot Ion: 91 Resp: 6338
Ion Ratio Lower Upper
91 100
106 30.2 25.9 38.9



#68
m/p-Xylenes
Concen: 1.42 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

Tgt Ion: 106 Resp: 10877
Ion Ratio Lower Upper
106 100
91 188.2 162.3 243.5

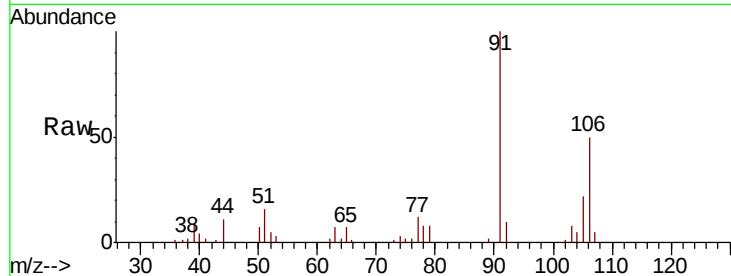




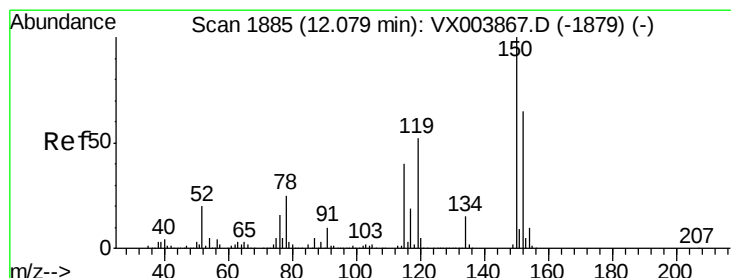
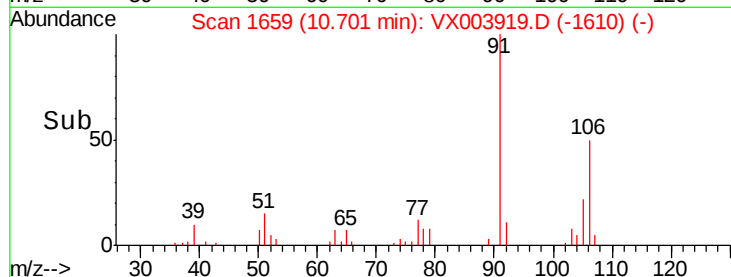
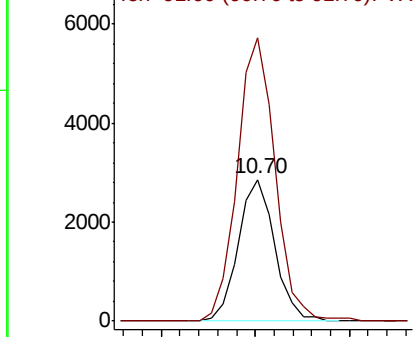
#69
o-Xylene
Concen: 0.53 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
FL-0536

Tot Ion:106 Resp: 3814
Ion Ratio Lower Upper
106 100
91 208.4 101.9 305.7

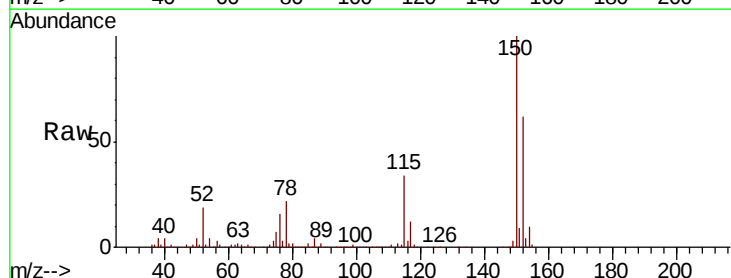


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

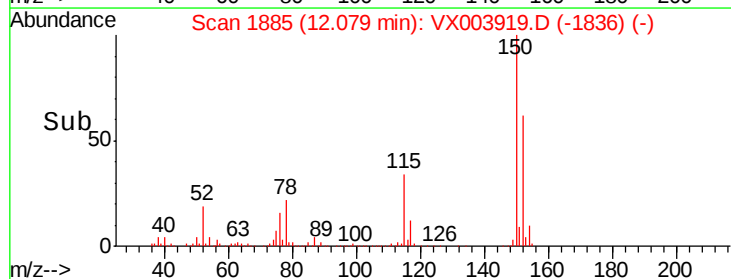
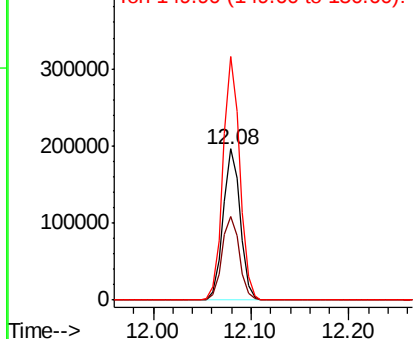


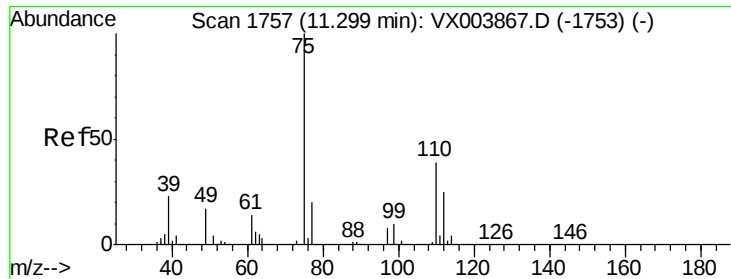
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

Tgt Ion:152 Resp: 236877
Ion Ratio Lower Upper
152 100
115 56.1 39.1 117.3
150 158.7 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: 22.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

Instrument :

MSVOA_X

ClientSampled :

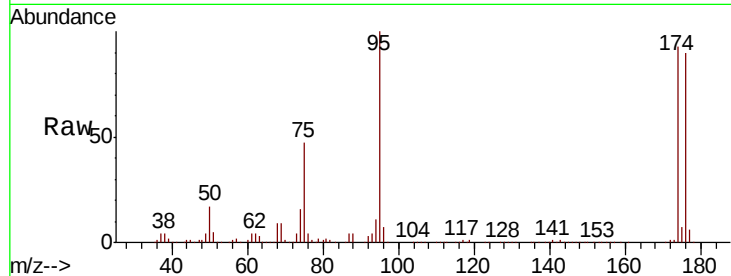
FL-0536

Tot Ion: 75 Resp: 117438

Ion Ratio Lower Upper

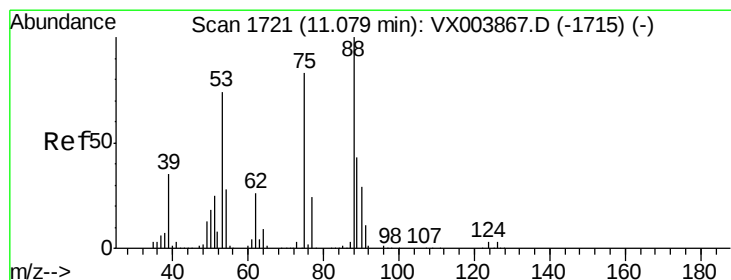
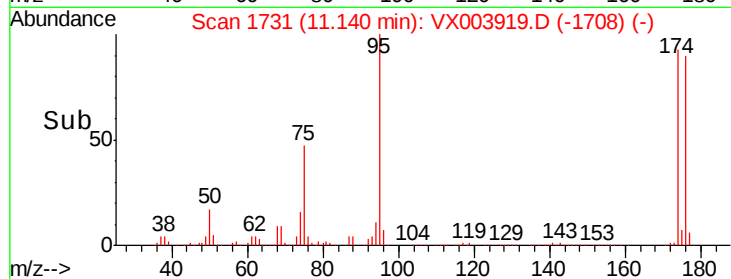
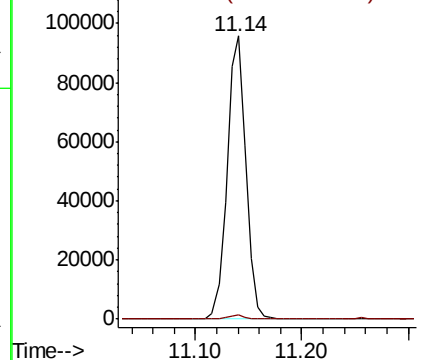
75 100

77 1.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 60.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003919.D

Acq: 08 Aug 2018 13:18

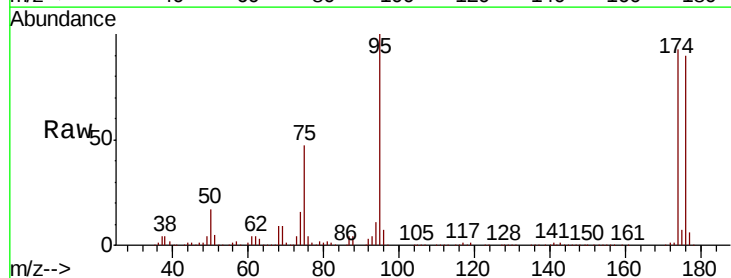
Tgt Ion: 75 Resp: 117438

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

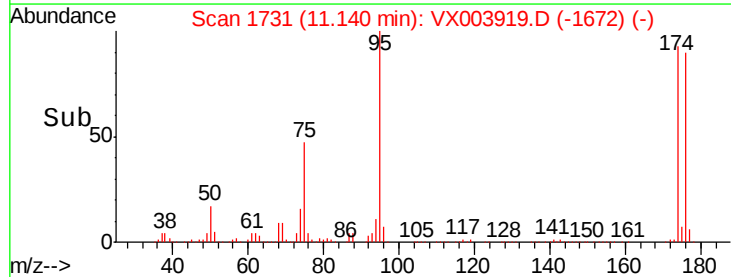
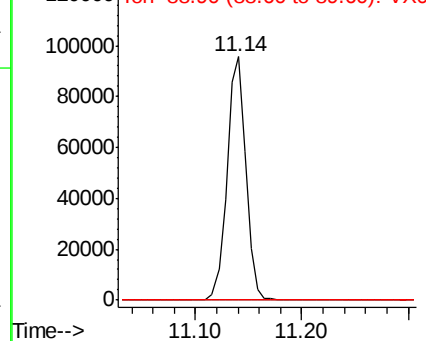
89 0.0 37.8 56.8#

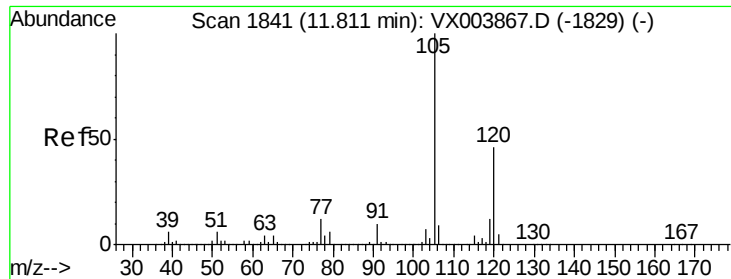


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

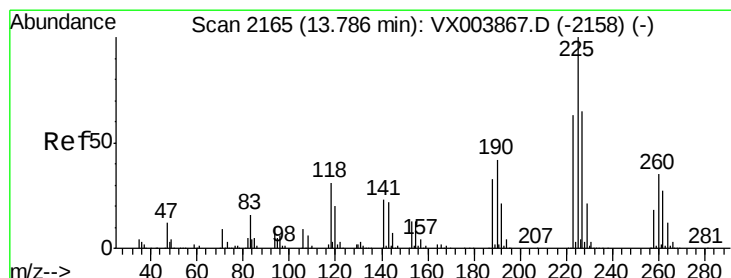
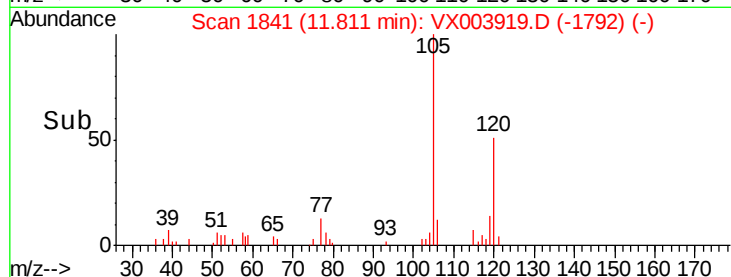
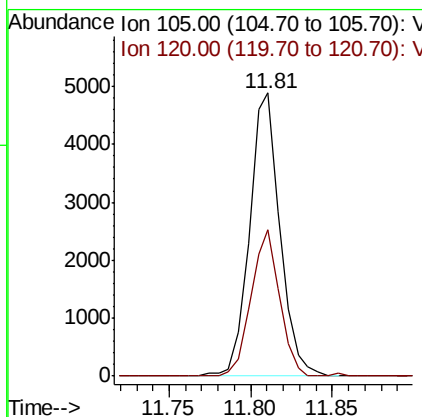
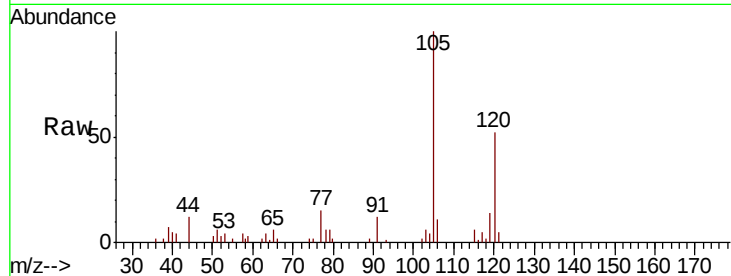




#84
 1,2,4-Trimethylbenzene
 Concen: 0.44 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003919.D
 Acq: 08 Aug 2018 13:18

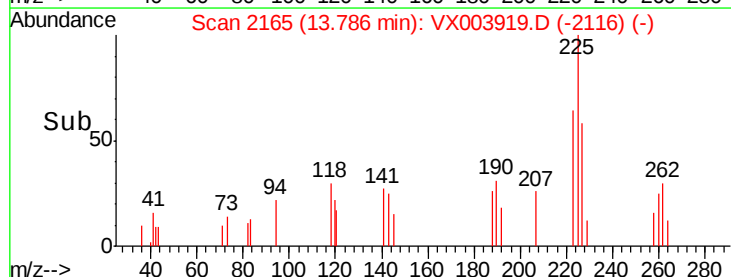
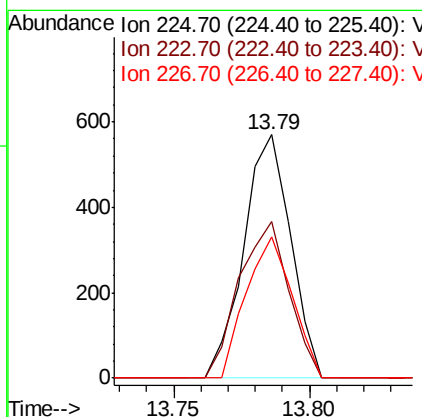
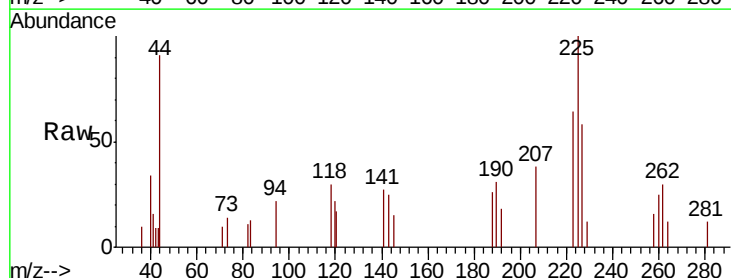
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0536

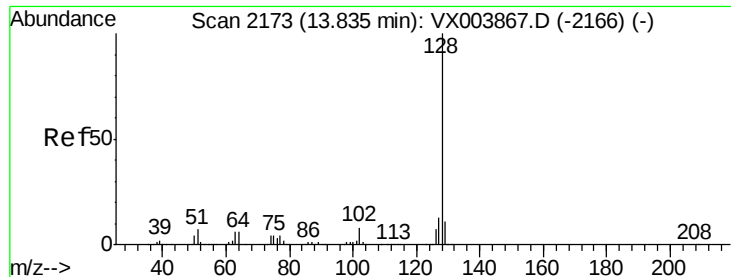
Tot Ion:105 Resp: 6354
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.1 69.2



#94
 Hexachlorobutadiene
 Concen: 0.68 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003919.D
 Acq: 08 Aug 2018 13:18

Tgt Ion:225 Resp: 682
 Ion Ratio Lower Upper
 225 100
 223 68.3 31.4 94.0
 227 56.9 32.1 96.5

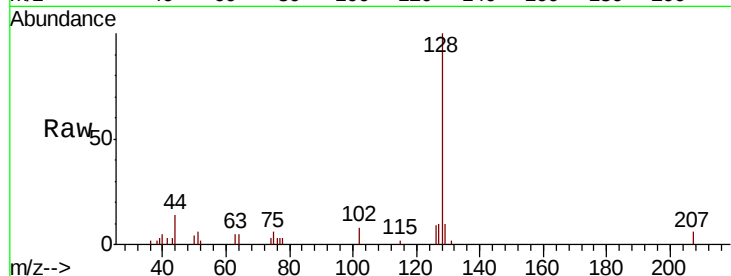




#95
Naphthalene
Concen: 0.23 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003919.D
Acq: 08 Aug 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
FL-0536

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	12.6	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

