

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006167.D
 Acq On : 26 Nov 2018 11:38
 Operator : JC/MD
 Sample : VX1126MBL01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126MBL01

Quant Time: Nov 27 02:25:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	344959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	512918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	464986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	212089	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	5.50	113	170677	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	8.71	98	612607	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.14	95	207441	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	

Target Compounds

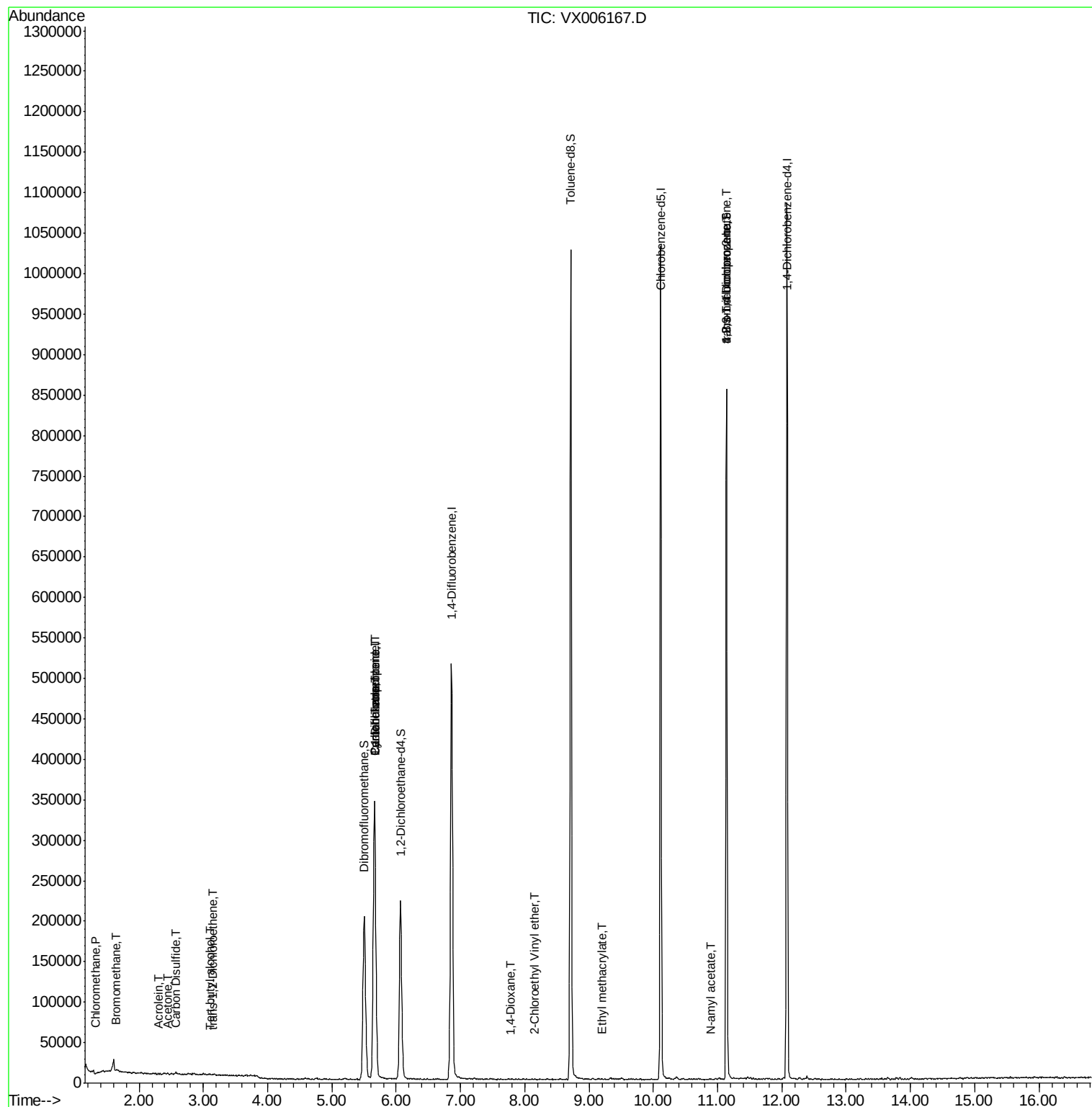
						Qvalue
3) Chloromethane	1.33	50	1215	0.375	ug/l	97
5) Bromomethane	1.65	94	1106	4.119	ug/l	83
6) Chloroethane	1.70	64	711	Below Cal	#	43
11) Tert butyl alcohol	3.10	59	184	0.216	ug/l #	1
13) Acrolein	2.29	56	244	0.480	ug/l #	75
16) Acetone	2.44	43	1193	0.673	ug/l #	71
17) Carbon Disulfide	2.57	76	3764	0.560	ug/l	99
20) Methylene Chloride	2.85	84	878	Below Cal	#	57
21) trans-1,2-Dichloroethene	3.15	96	530	0.203	ug/l #	29
31) Cyclohexane	5.66	56	7063	1.316	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	23778	5.096	ug/l #	51
38) Carbon Tetrachloride	5.66	117	31957	7.286	ug/l #	16
49) 1,4-Dioxane	7.77	88	166	1.591	ug/l #	13
56) Ethyl methacrylate	9.21	69	96	2.881	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.16	63	91	6.749	ug/l	92
74) N-amyl acetate	10.90	43	257	2.228	ug/l #	48
76) 1,2,3-Trichloropropane	11.14	75	104297	22.700	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	104297	76.775	ug/l #	7

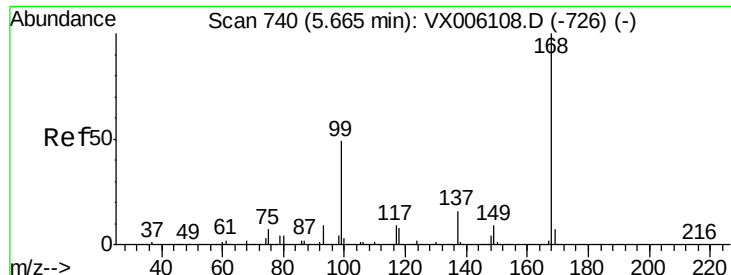
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

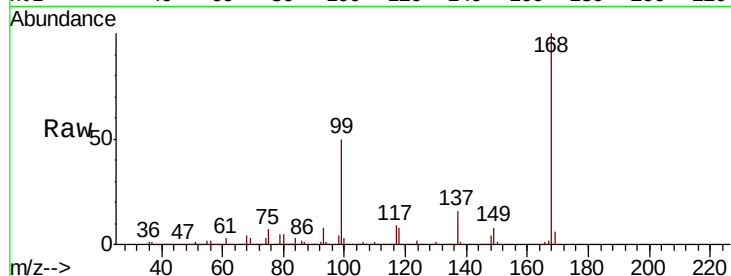
VX1126MBL01

Tot Ion:168 Resp: 344959

Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

100000

50000

0

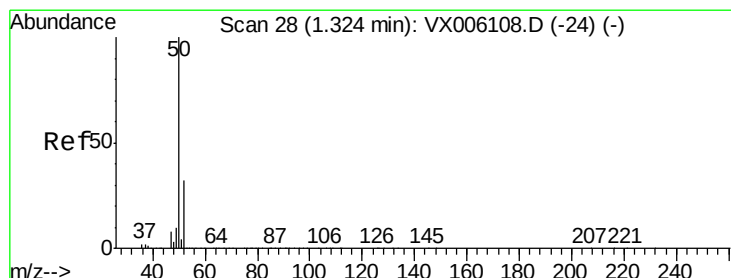
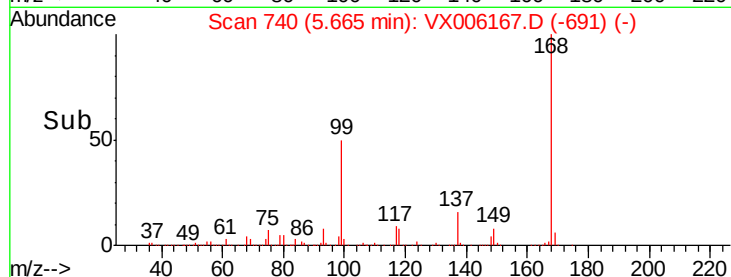
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.375 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006167.D

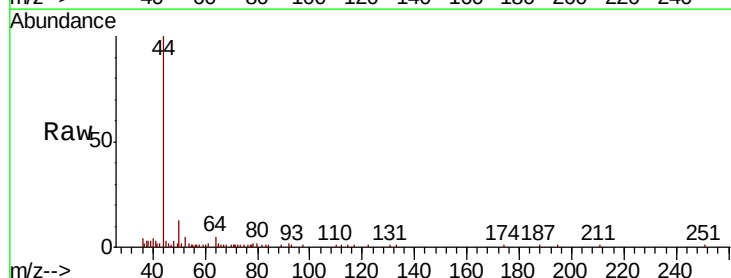
Acq: 26 Nov 2018 11:38

Tgt Ion: 50 Resp: 1215

Ion Ratio Lower Upper

50 100

52 30.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

600

400

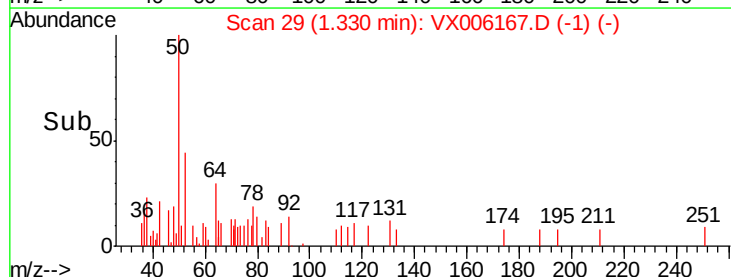
200

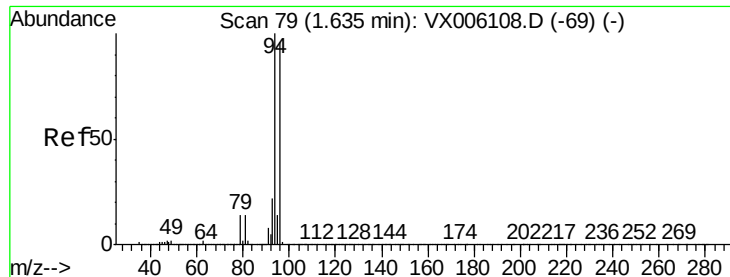
0

Time-->

1.30

1.35





#5

Bromomethane

Concen: 4.119 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampled :

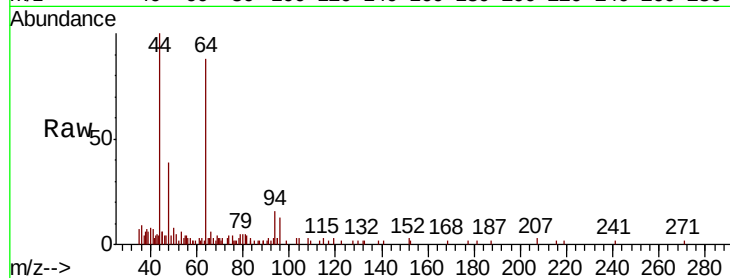
VX1126MBL01

Tot Ion: 94 Resp: 1106

Ion Ratio Lower Upper

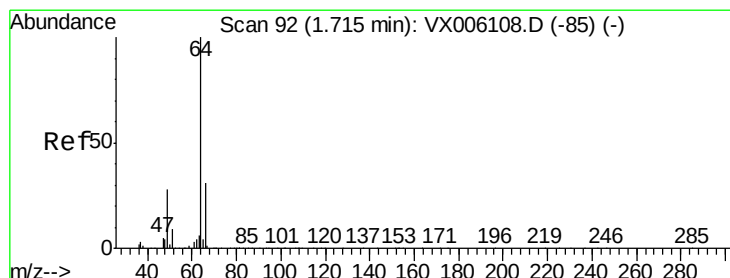
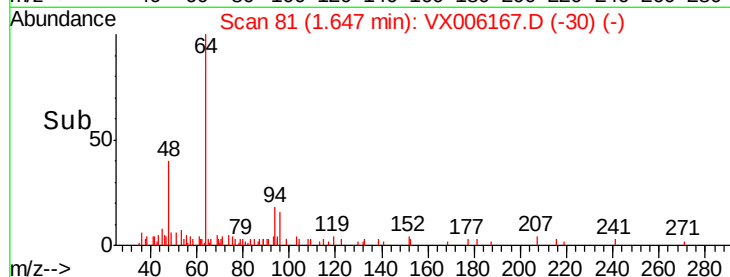
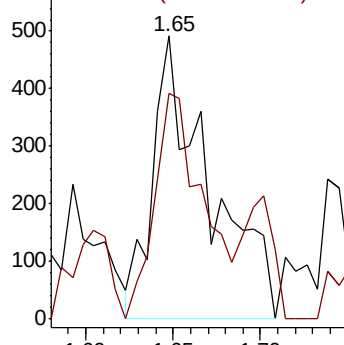
94 100

96 79.5 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX006167.D

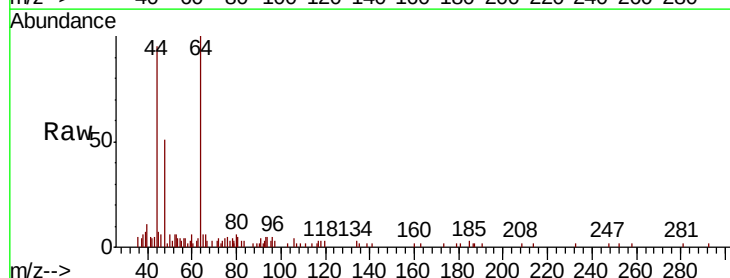
Acq: 26 Nov 2018 11:38

Tgt Ion: 64 Resp: 711

Ion Ratio Lower Upper

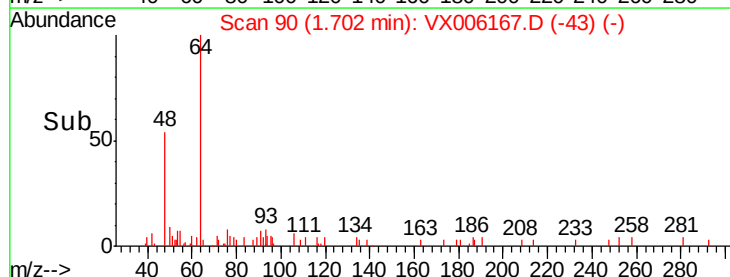
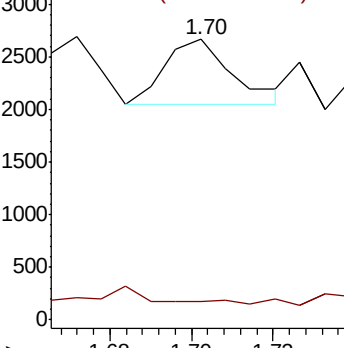
64 100

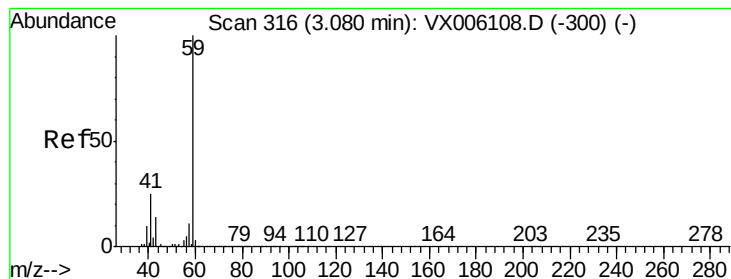
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.216 ug/l

RT: 3.10 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampled :

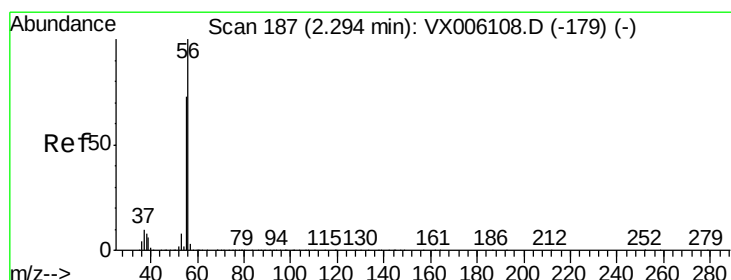
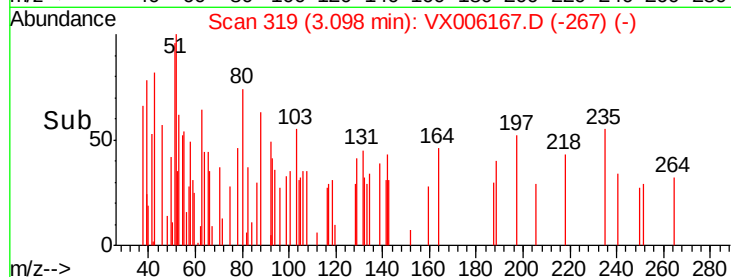
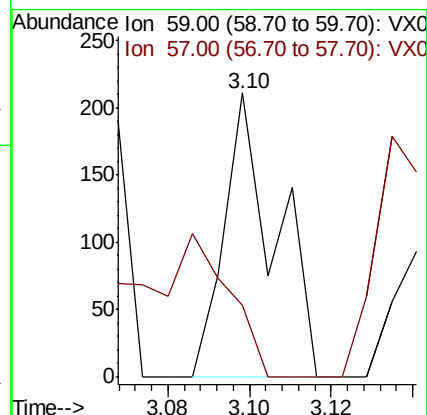
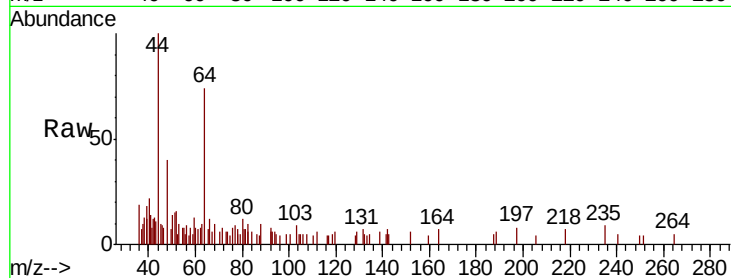
VX1126MBL01

Tot Ion: 59 Resp: 184

Ion Ratio Lower Upper

59 100

57 127.2 8.7 13.1#



#13

Acrolein

Concen: 0.480 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006167.D

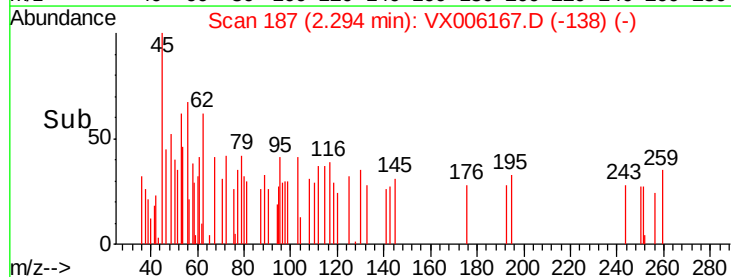
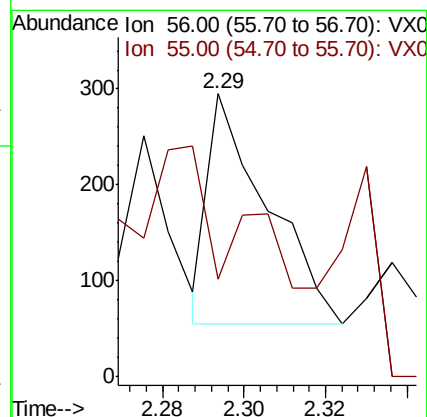
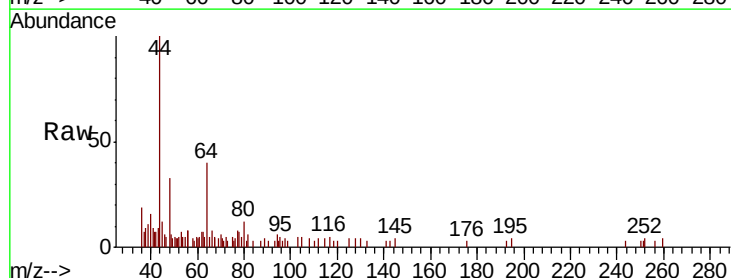
Acq: 26 Nov 2018 11:38

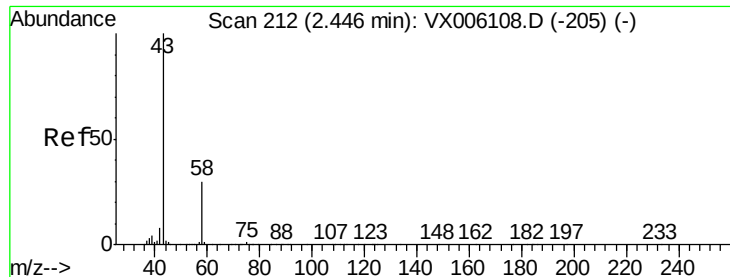
Tgt Ion: 56 Resp: 244

Ion Ratio Lower Upper

56 100

55 93.0 57.8 86.6#





#16

Acetone

Concen: 0.673 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

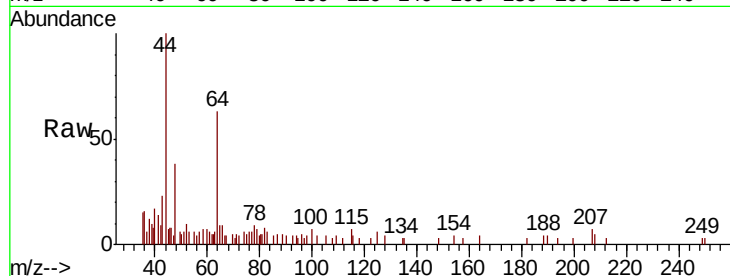
VX1126MBL01

Tot Ion: 43 Resp: 1193

Ion Ratio Lower Upper

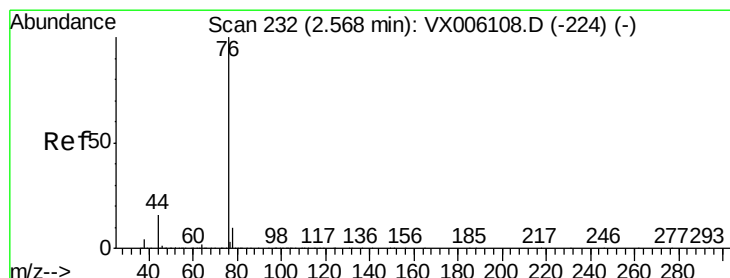
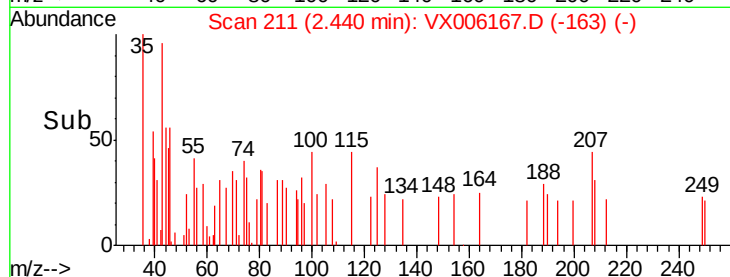
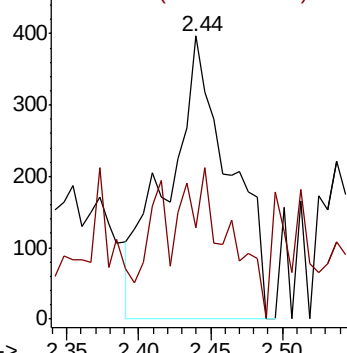
43 100

58 14.4 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.560 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006167.D

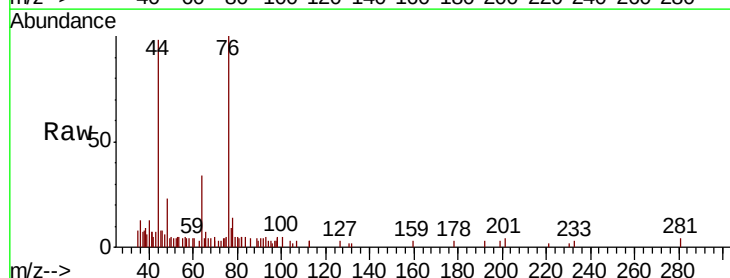
Acq: 26 Nov 2018 11:38

Tgt Ion: 76 Resp: 3764

Ion Ratio Lower Upper

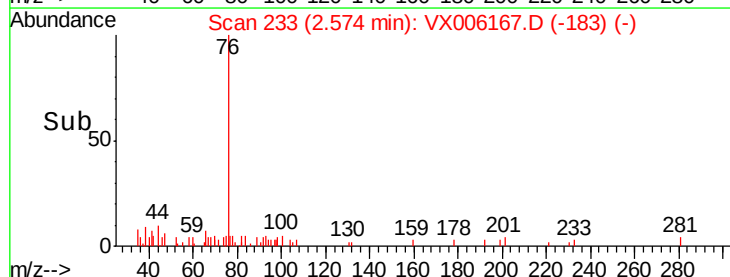
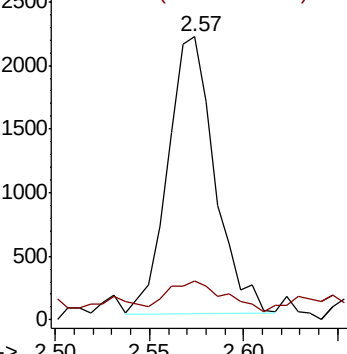
76 100

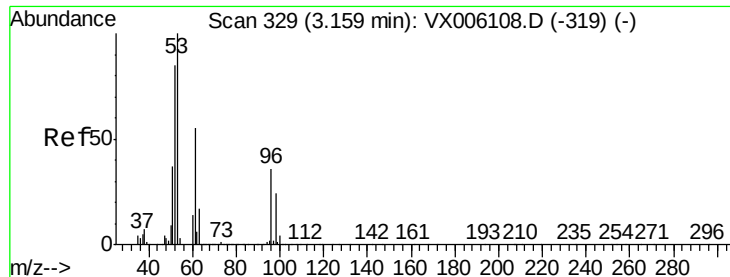
78 9.1 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.203 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampled :

VX1126MBL01

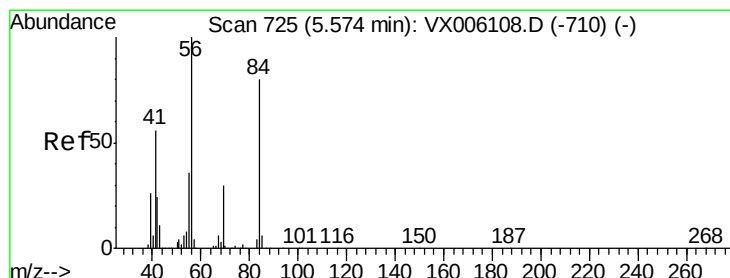
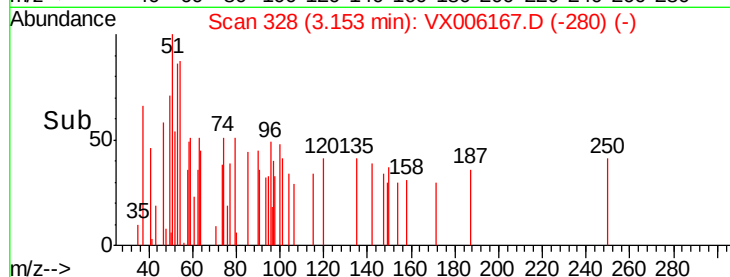
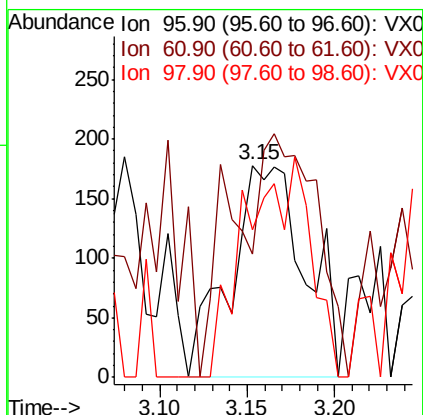
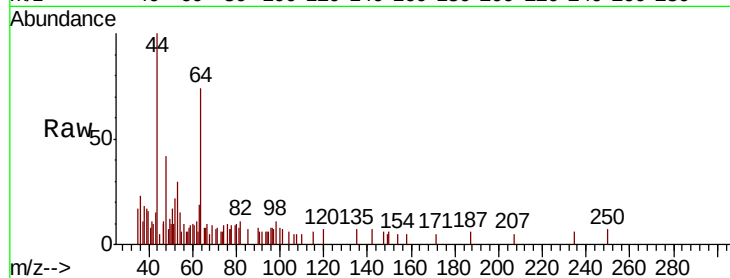
Tot Ion: 96 Resp: 530

Ion Ratio Lower Upper

96 100

61 24.7 122.0 183.0#

98 69.7 52.7 79.1



#31

Cyclohexane

Concen: 1.316 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

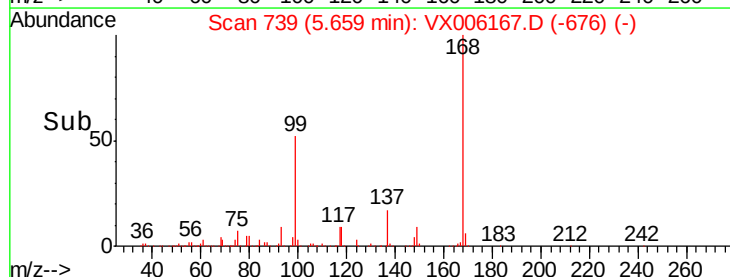
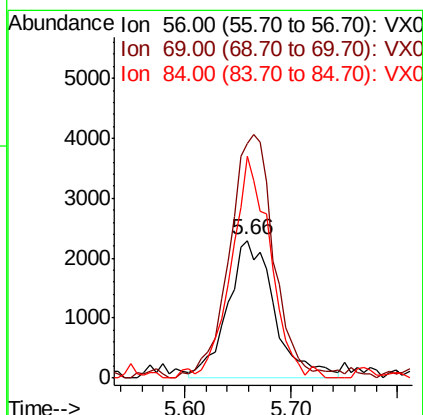
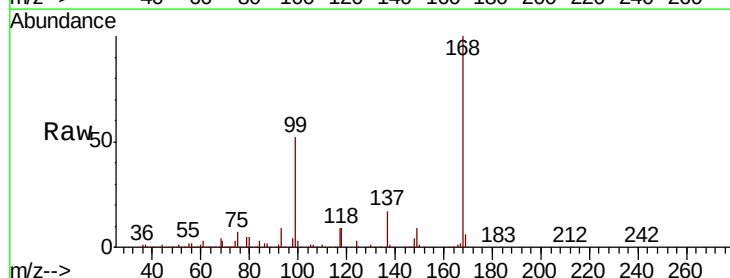
Tgt Ion: 56 Resp: 7063

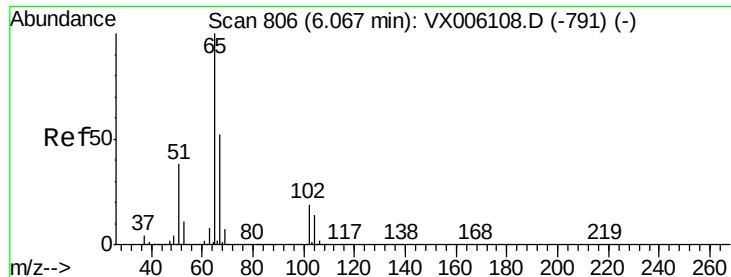
Ion Ratio Lower Upper

56 100

69 174.1 23.9 35.9#

84 168.1 63.6 95.4#

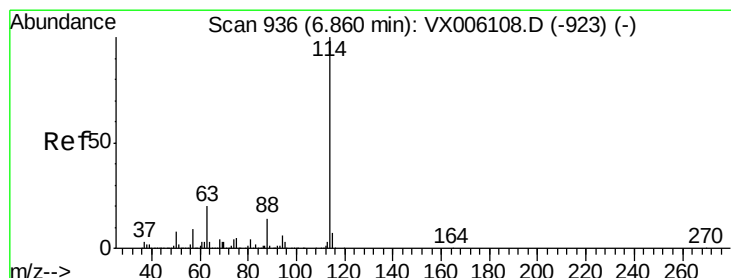
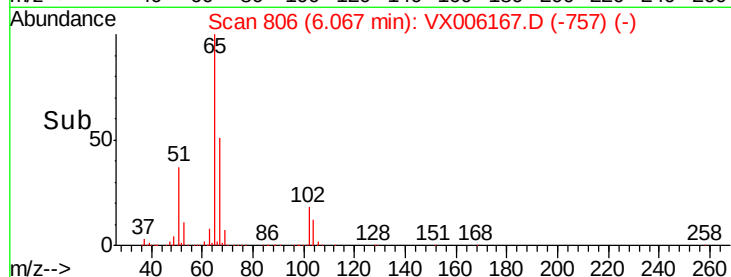
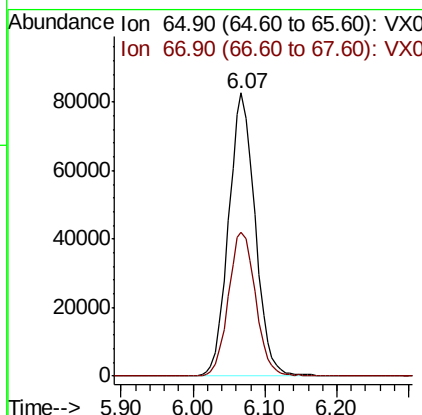
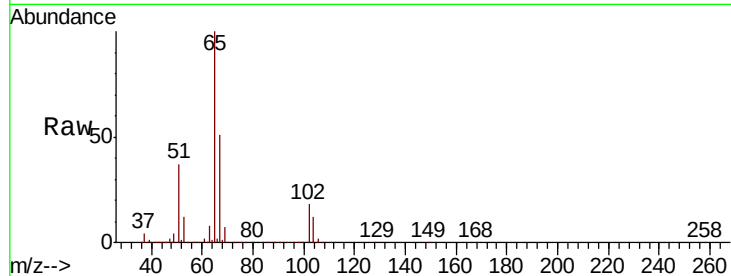




#33
 1,2-Dichloroethane-d4
 Concen: 53.059 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006167.D
 Acq: 26 Nov 2018 11:38

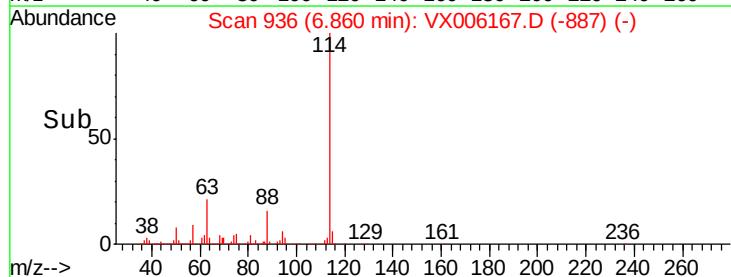
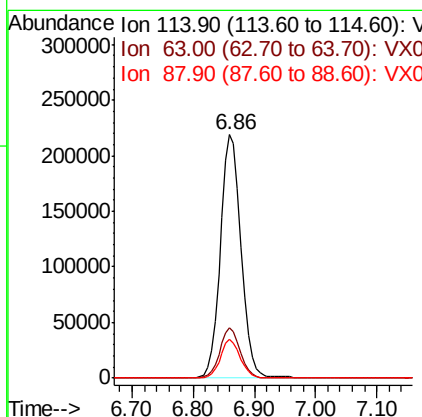
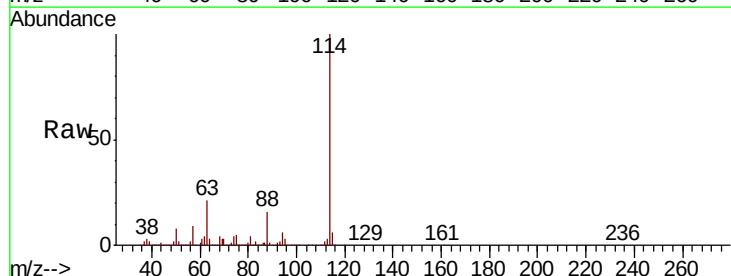
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126MBL01

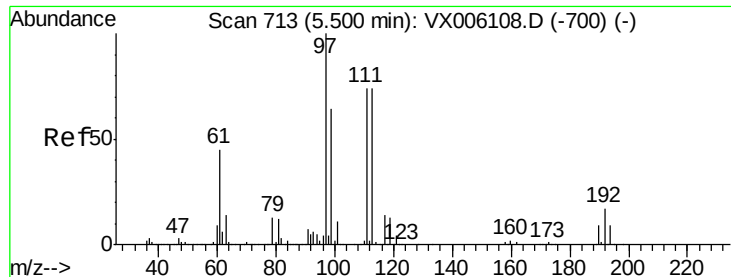
Tot Ion: 65 Resp: 212089
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006167.D
 Acq: 26 Nov 2018 11:38

Tgt Ion: 114 Resp: 512918
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.2
 88 15.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 51.838 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX1126MBL01

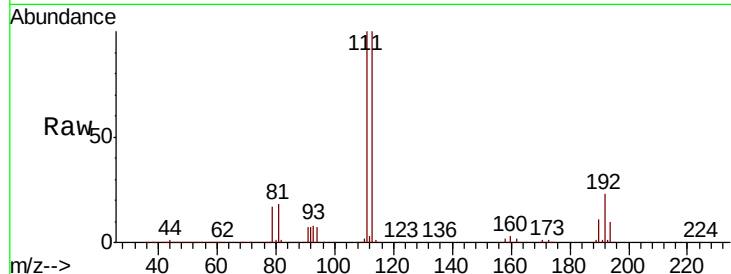
Tot Ion:113 Resp: 170677

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

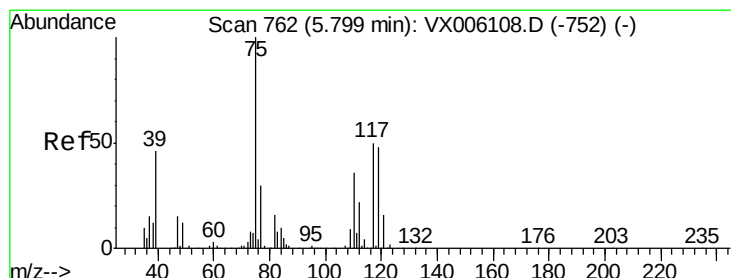
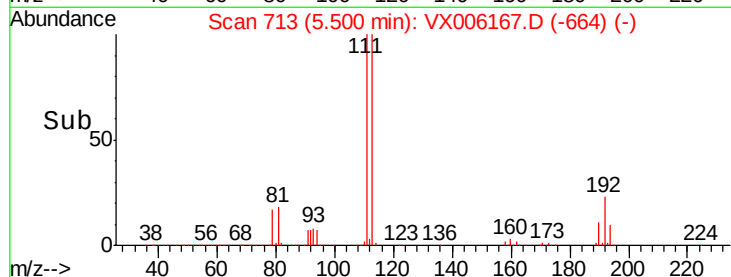
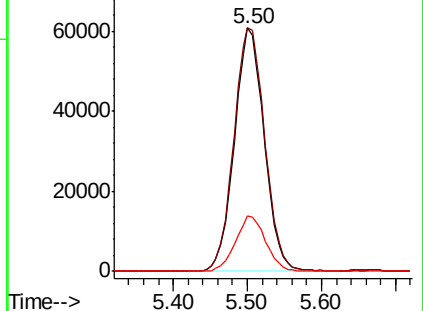
192 22.9 18.6 28.0



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: 5.096 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

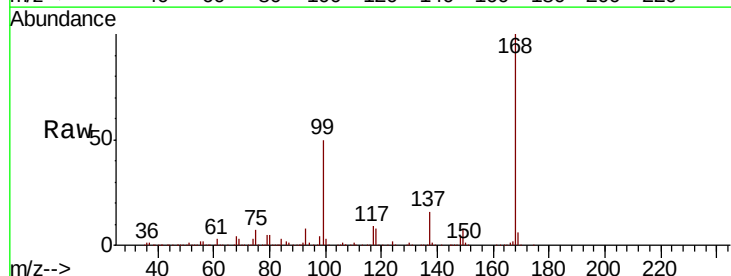
Tgt Ion: 75 Resp: 23778

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

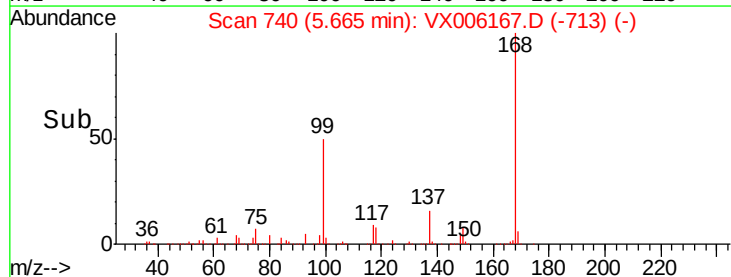
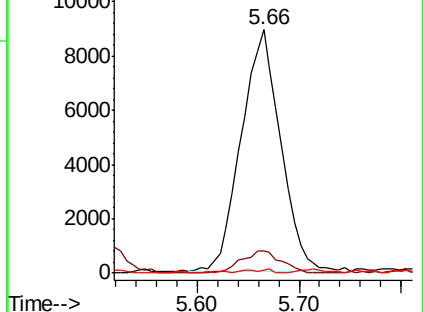
77 0.5 24.5 36.7#

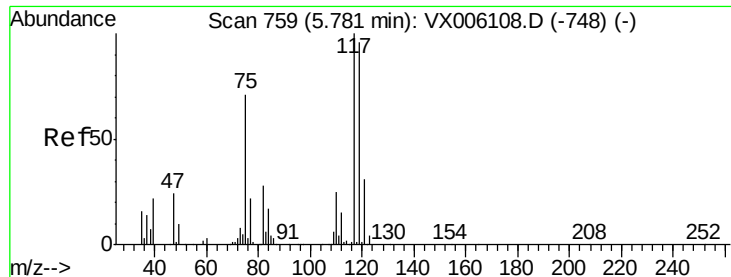


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.286 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX1126MBL01

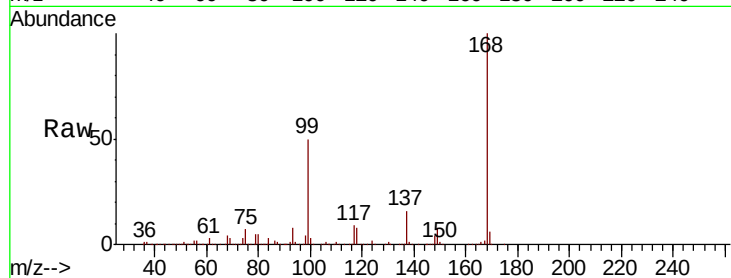
Tot Ion:117 Resp: 31957

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

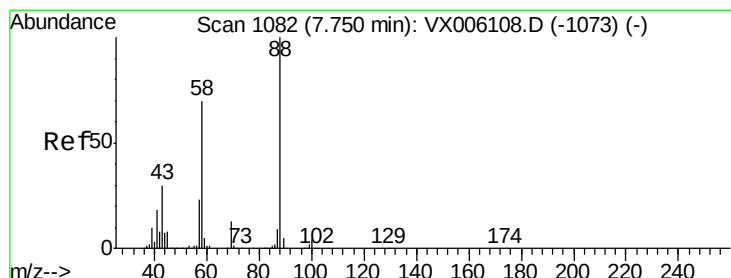
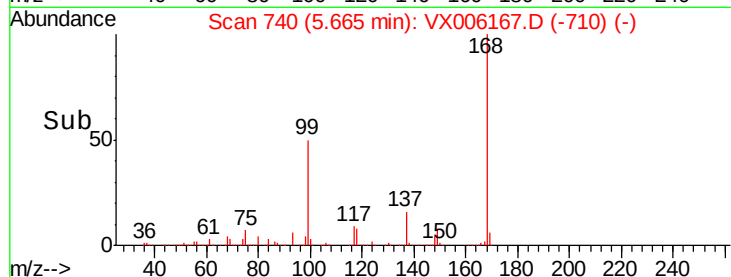
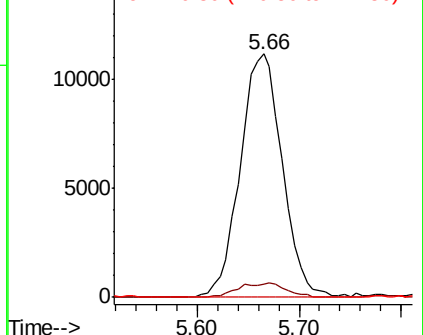
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.591 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

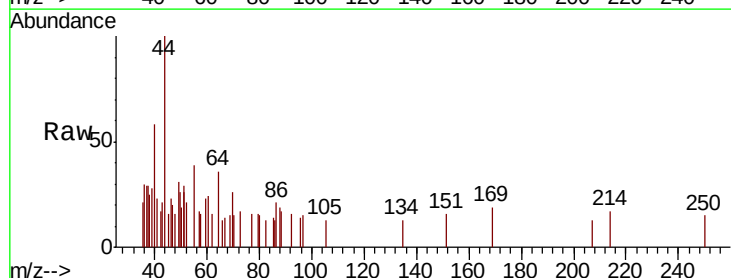
Tgt Ion: 88 Resp: 166

Ion Ratio Lower Upper

88 100

43 50.0 26.7 40.1#

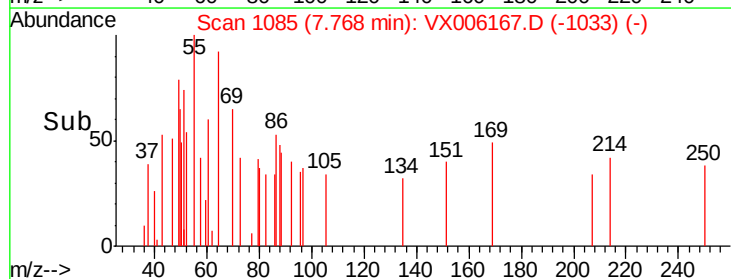
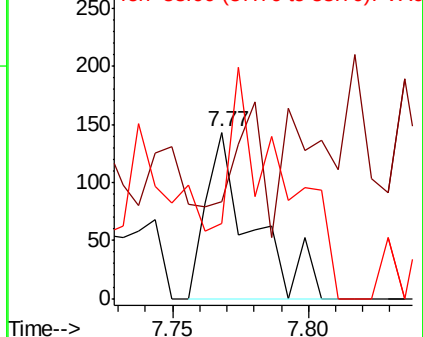
58 168.7 58.5 87.7#

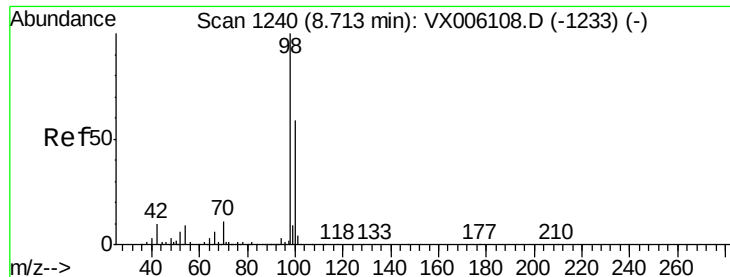


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.781 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

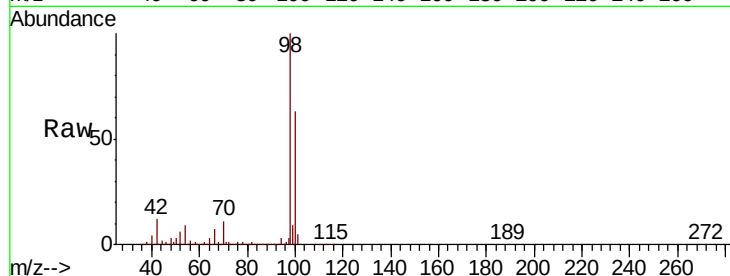
VX1126MBL01

Tot Ion: 98 Resp: 612607

Ion Ratio Lower Upper

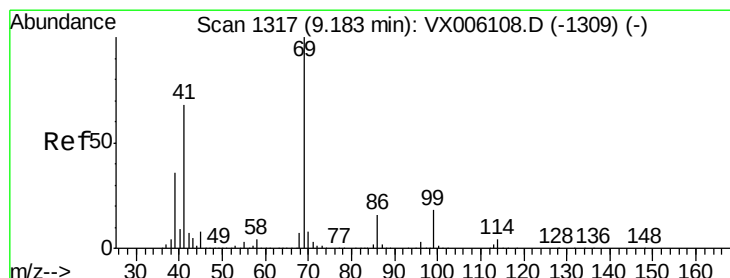
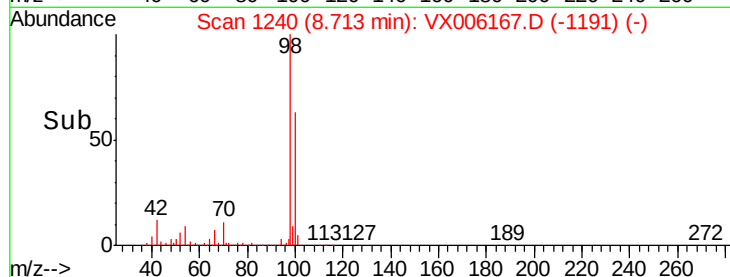
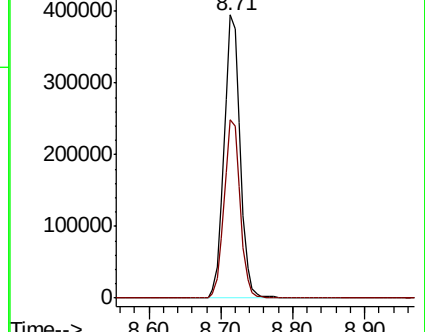
98 100

100 62.9 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#56

Ethyl methacrylate

Concen: 2.881 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. 0.02 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

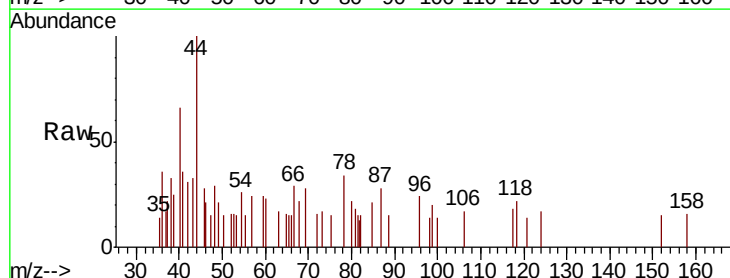
Tgt Ion: 69 Resp: 96

Ion Ratio Lower Upper

69 100

41 297.9 56.2 84.4#

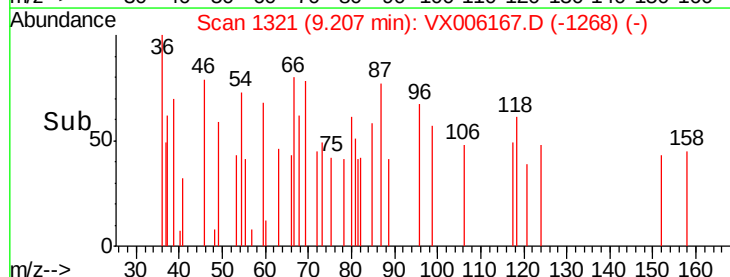
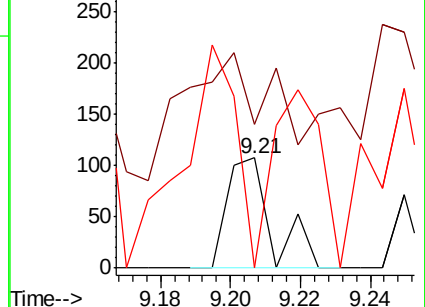
39 217.7 29.4 44.0#

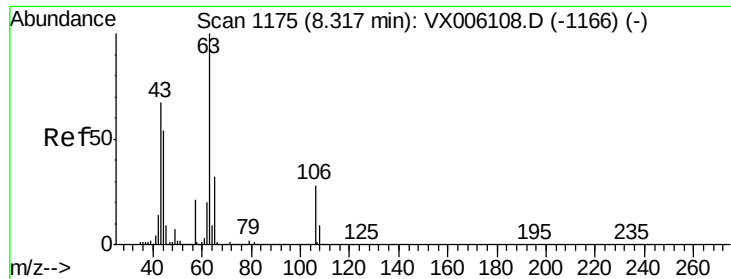


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

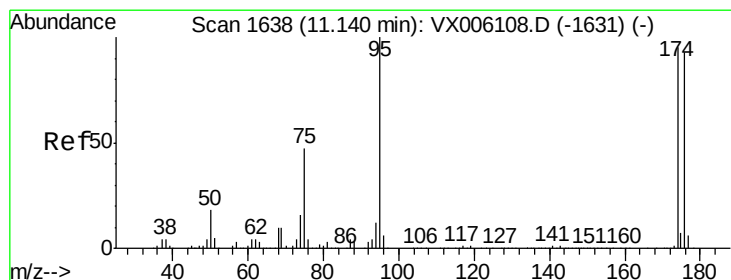
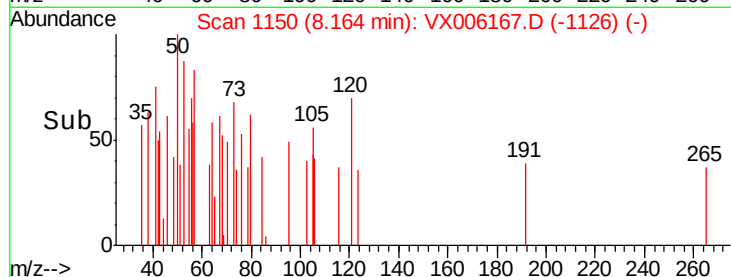
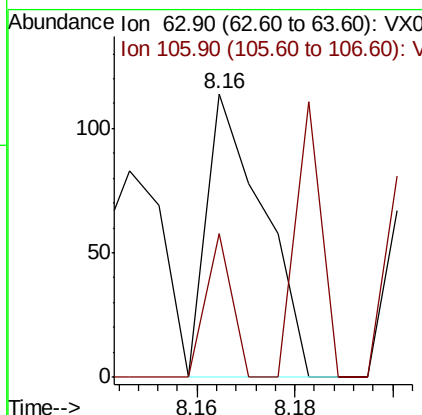
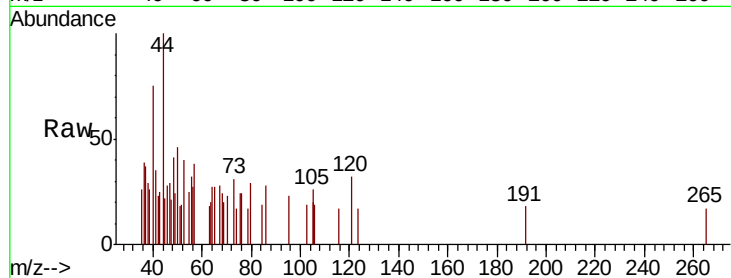




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.749 ug/l
 RT: 8.16 min Scan# 1150
 Delta R.T. -0.15 min
 Lab File: VX006167.D
 Acq: 26 Nov 2018 11:38

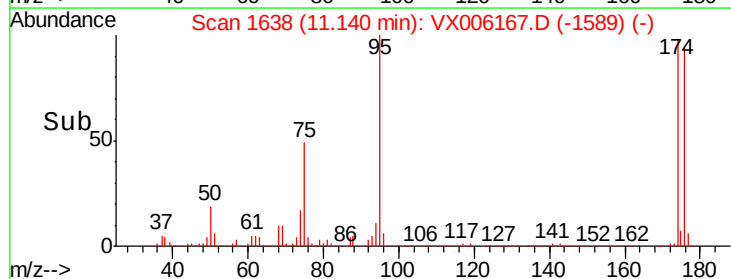
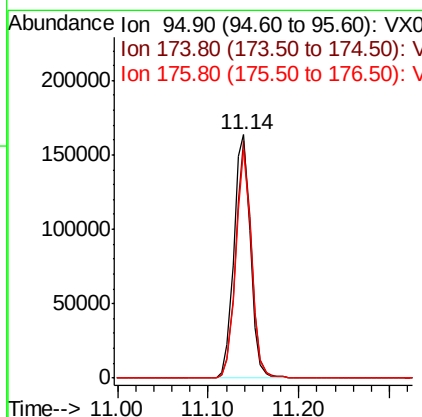
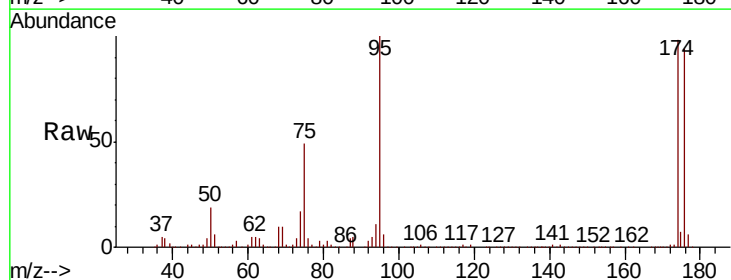
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126MBL01

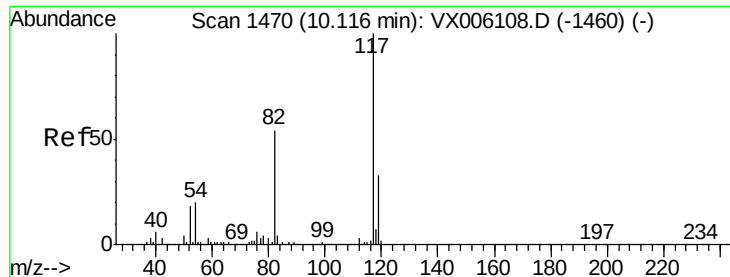
Tot Ion: 63 Resp: 91
 Ion Ratio Lower Upper
 63 100
 106 23.1 21.7 32.5



#62
 4-Bromofluorobenzene
 Concen: 44.025 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX006167.D
 Acq: 26 Nov 2018 11:38

Tgt Ion: 95 Resp: 207441
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 184.4
 176 88.4 0.0 179.0

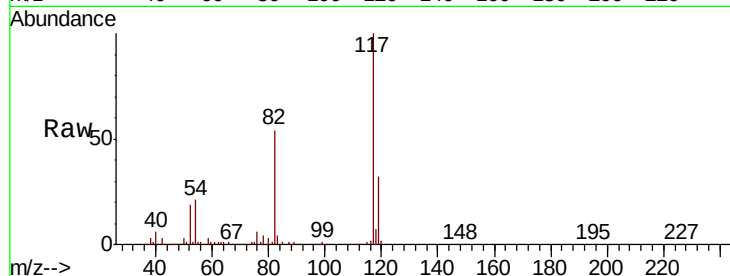




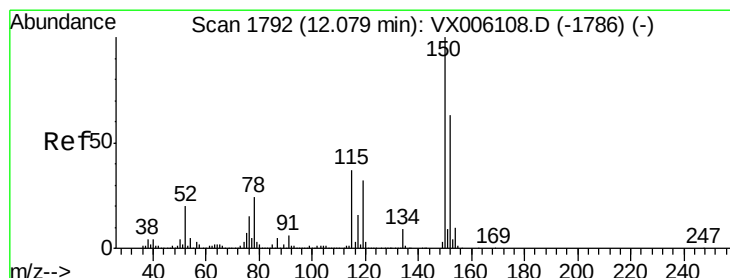
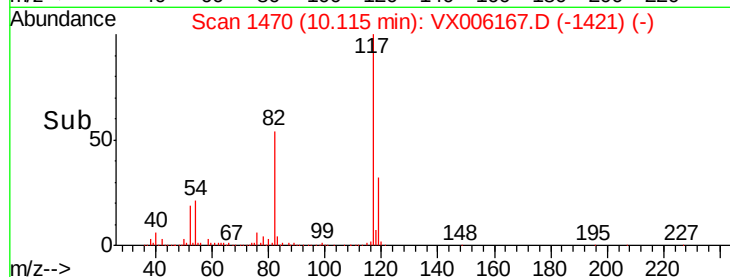
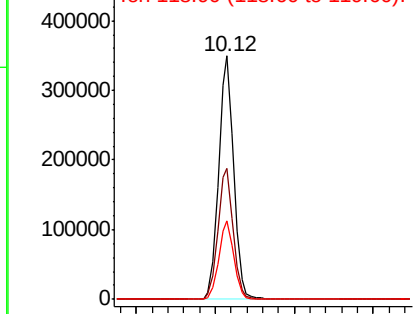
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006167.D
Acq: 26 Nov 2018 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX1126MBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.0	64.4
119	32.1	26.1	39.1

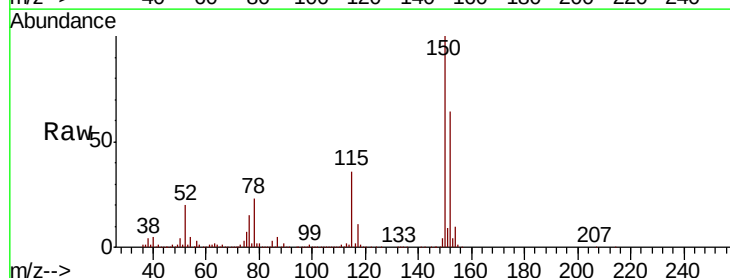


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

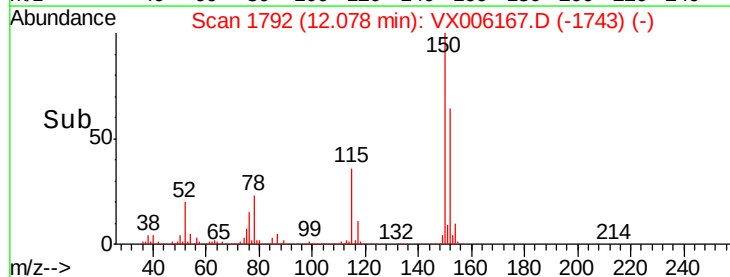
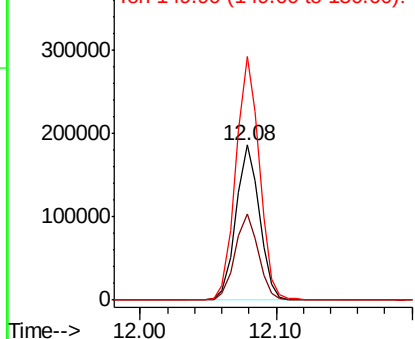


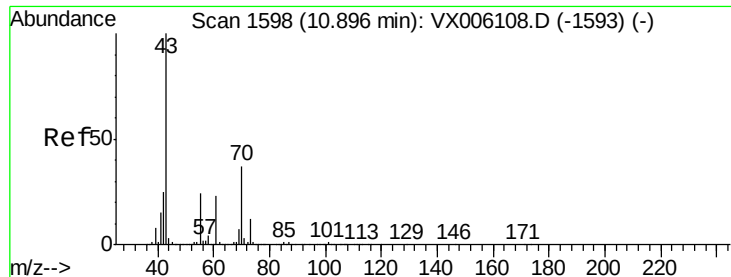
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006167.D
Acq: 26 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.0	116.9
150	157.1	0.0	346.6



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





#74

N-amvl acetate

Concen: 2.228 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampled :

VX1126MBL01

Tot Ion: 43 Resp: 257

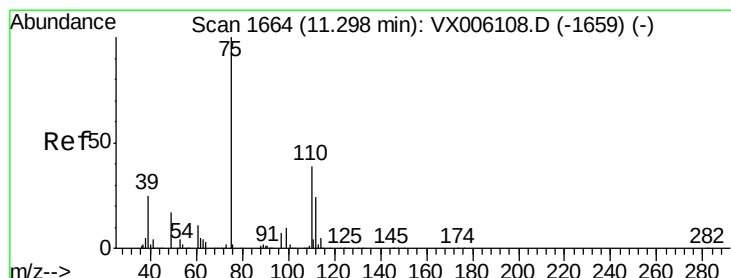
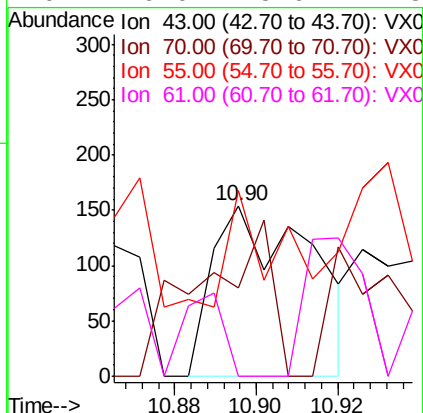
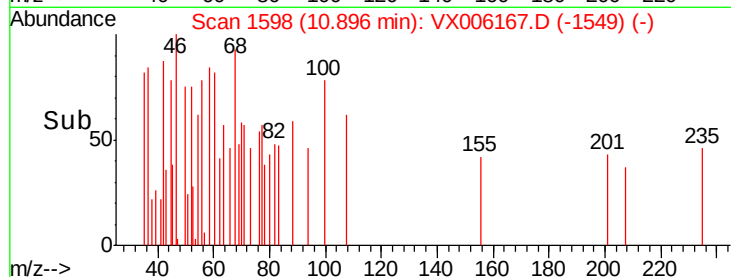
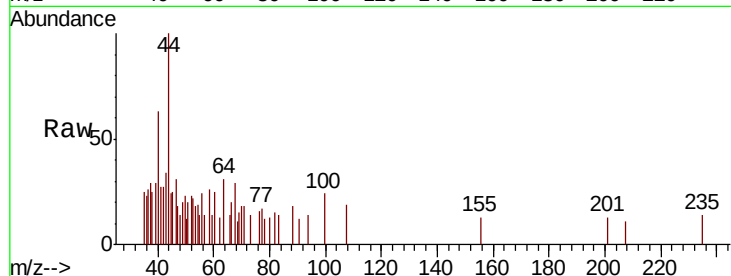
Ion Ratio Lower Upper

43 100

70 67.7 31.8 47.6#

55 56.8 19.5 29.3#

61 0.0 18.6 27.8#



#76

1,2,3-Trichloropropane

Concen: 22.700 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006167.D

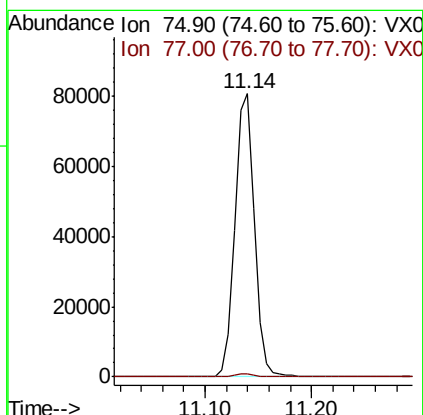
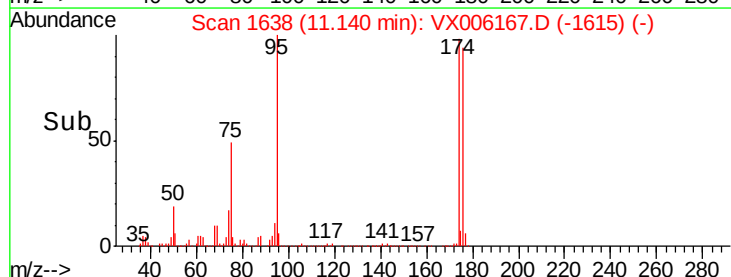
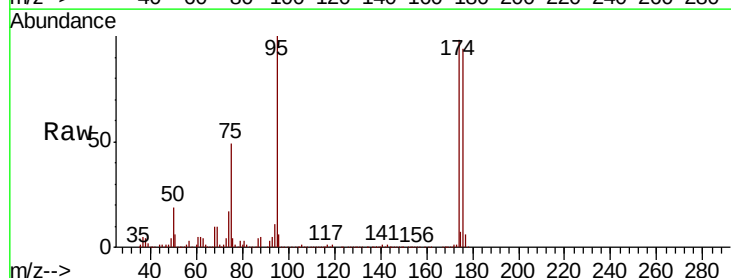
Acq: 26 Nov 2018 11:38

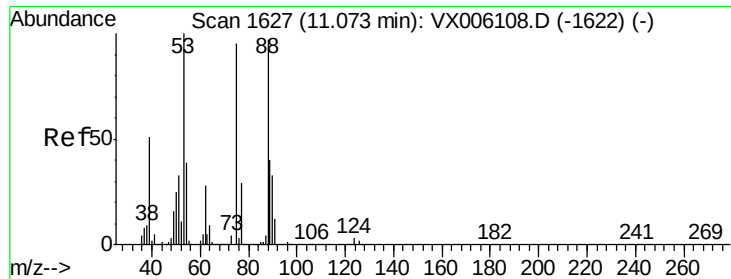
Tgt Ion: 75 Resp: 104297

Ion Ratio Lower Upper

75 100

77 1.4 19.6 58.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 76.775 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006167.D

Acq: 26 Nov 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX1126MBL01

Tot Ion: 75 Resp: 104297

Ion Ratio Lower Upper

75 100

53 0.4 85.3 127.9#

89 0.0 37.2 55.8#

