

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006206.D
 Acq On : 27 Nov 2018 05:51
 Operator : JC/MD
 Sample : J6059-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 08:03:27 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	5.67	168	277359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186399	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	178082	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	
35) Dibromofluoromethane	5.50	113	142236	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
50) Toluene-d8	8.71	98	505989	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	168877	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	

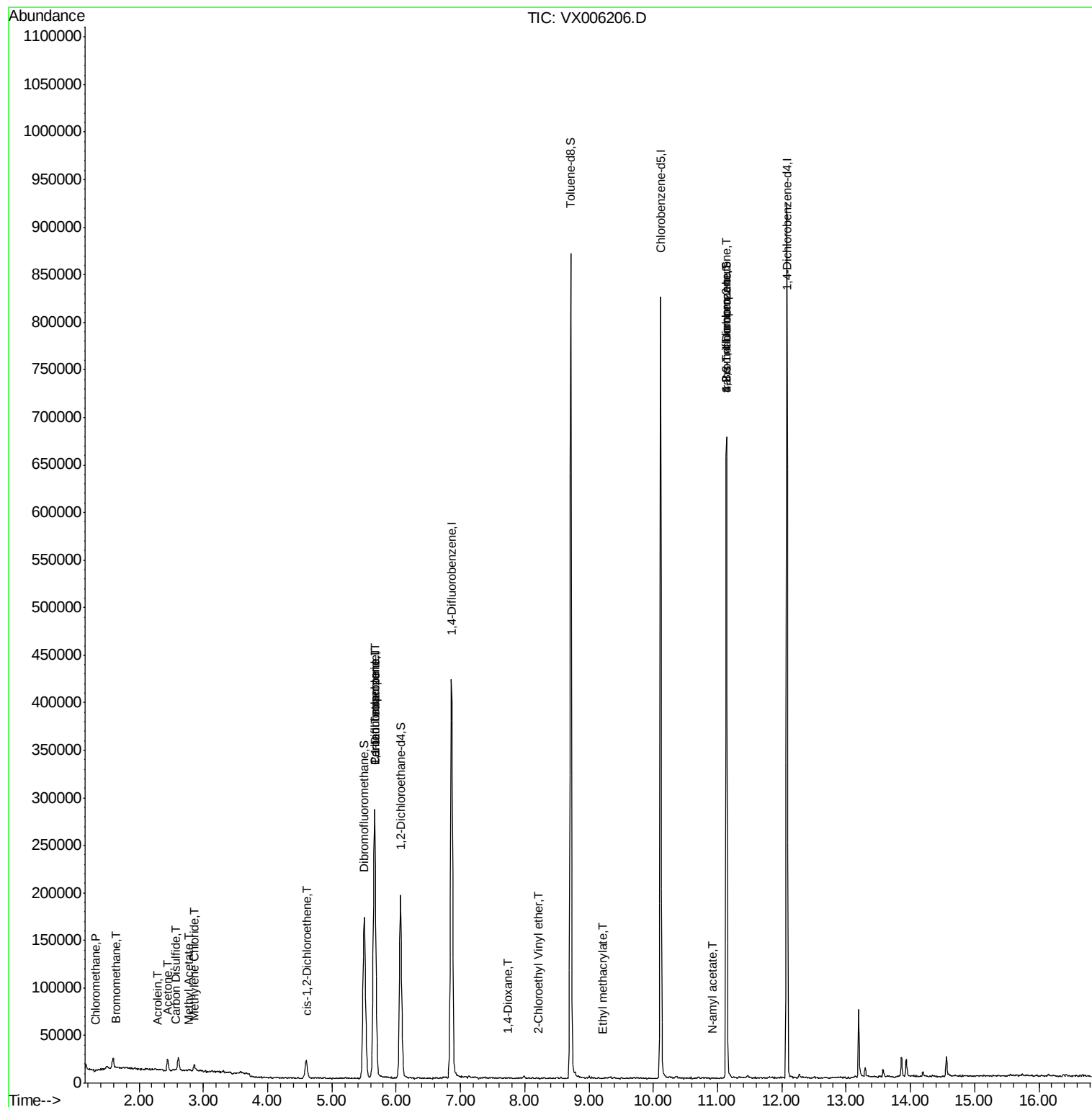
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1042	0.400	ug/l #	84
5) Bromomethane	1.64	94	45	3.735	ug/l #	71
6) Chloroethane	1.72	64	1028	Below Cal	#	57
13) Acrolein	2.28	56	214	0.523	ug/l #	1
16) Acetone	2.44	43	13079	9.171	ug/l	96
17) Carbon Disulfide	2.57	76	1771	0.327	ug/l #	73
18) Methyl Acetate	2.78	43	2194	0.600	ug/l #	54
20) Methylene Chloride	2.86	84	3073	1.083	ug/l #	81
27) cis-1,2-Dichloroethene	4.60	96	11721	4.002	ug/l	90
36) 1,1-Dichloropropene	5.66	75	20416	5.401	ug/l #	51
38) Carbon Tetrachloride	5.67	117	25940	7.301	ug/l #	17
49) 1,4-Dioxane	7.74	88	28	0.331	ug/l #	1
56) Ethyl methacrylate	9.21	69	145	2.895	ug/l #	65
58) 2-Chloroethyl Vinyl ether	8.21	63	205	6.799	ug/l	92
74) N-amyl acetate	10.91	43	595	2.291	ug/l #	74
76) 1,2,3-Trichloropropane	11.13	75	88029	22.939	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	88029	77.584	ug/l #	8

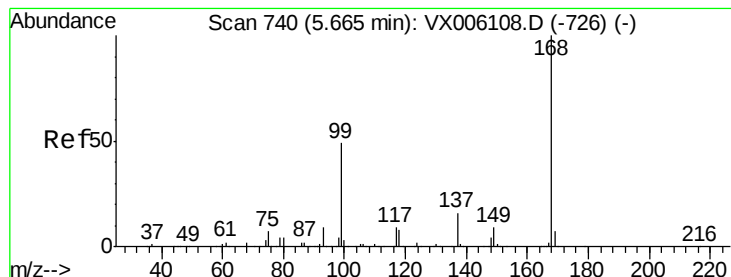
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112618\
Data File : VX006206.D
Acq On : 27 Nov 2018 05:51
Operator : JC/MD
Sample : J6059-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Nov 27 08:03:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 08:15:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

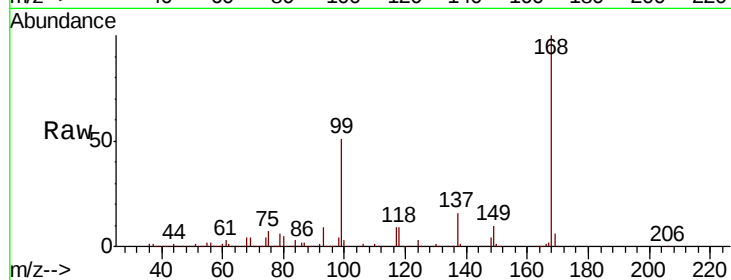
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 277359

Ion Ratio Lower Upper

168 100

99 51.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

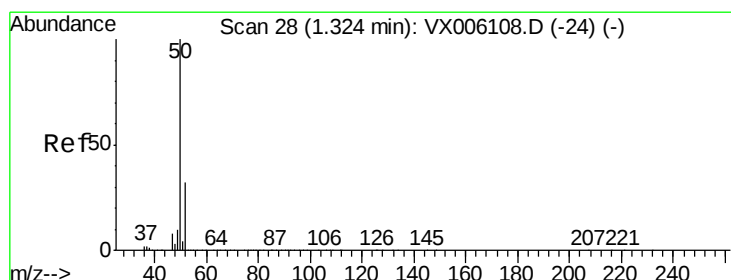
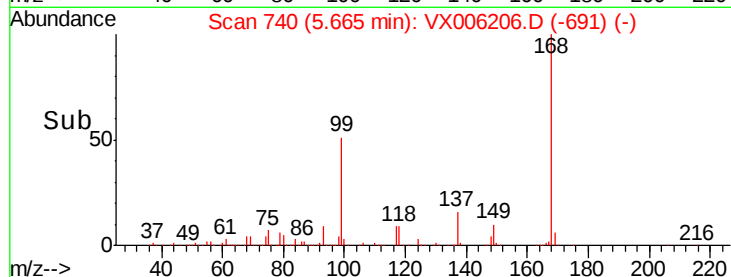
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.400 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006206.D

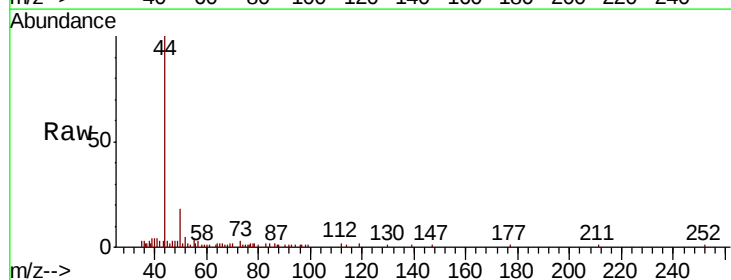
Acq: 27 Nov 2018 05:51

Tgt Ion: 50 Resp: 1042

Ion Ratio Lower Upper

50 100

52 22.9 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

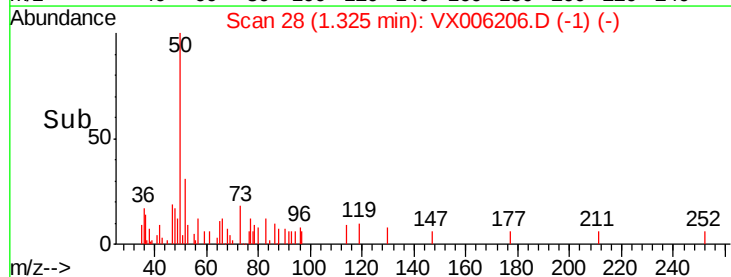
600

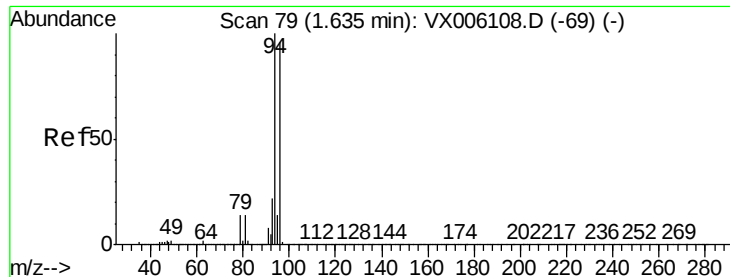
400

200

0

Time-->





#5

Bromomethane

Concen: 3.735 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

Instrument :

MSVOA_X

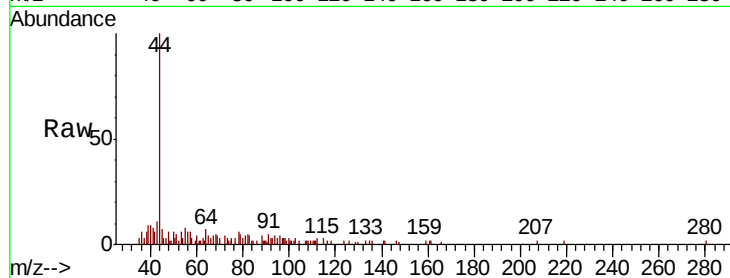
ClientSampleId :

Tot Ion: 94 Resp: 45

Ion Ratio Lower Upper

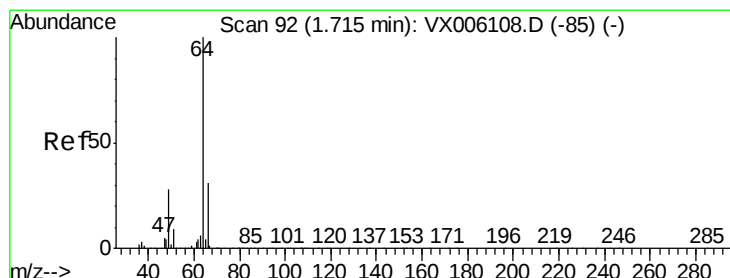
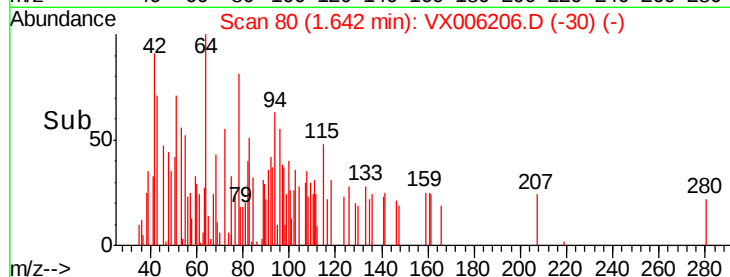
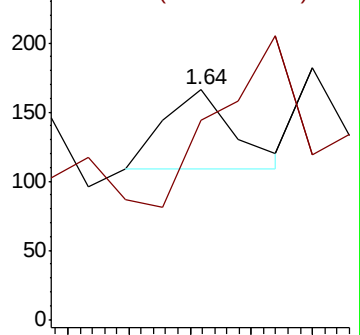
94 100

96 123.9 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: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006206.D

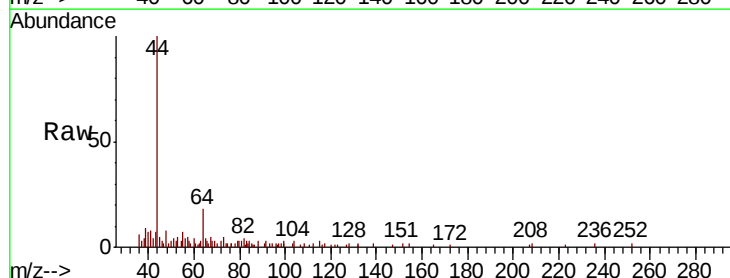
Acq: 27 Nov 2018 05:51

Tgt Ion: 64 Resp: 1028

Ion Ratio Lower Upper

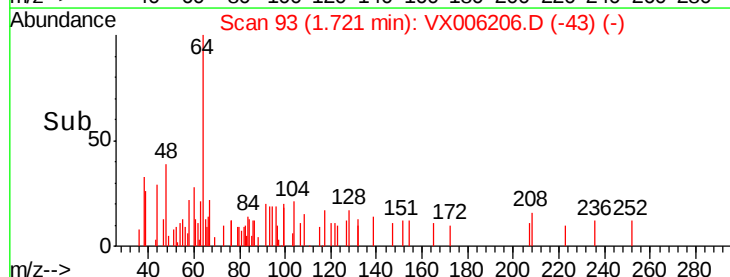
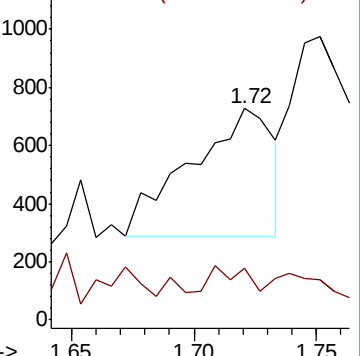
64 100

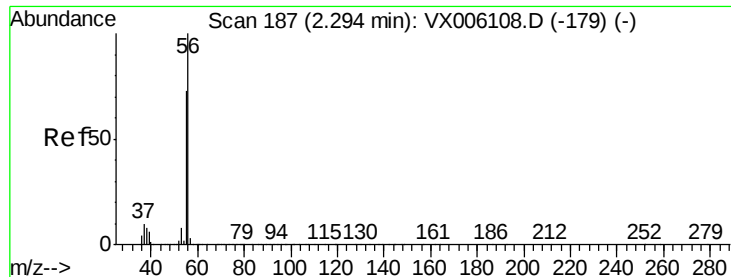
66 7.7 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 0.523 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

Instrument :

MSVOA_X

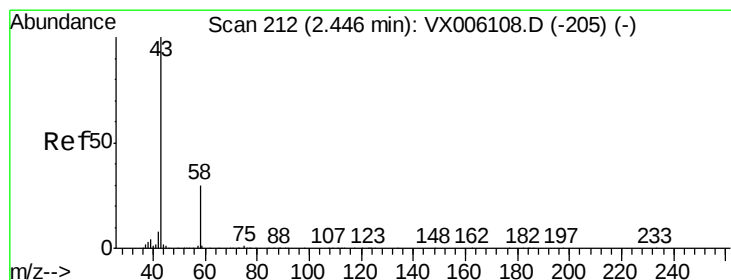
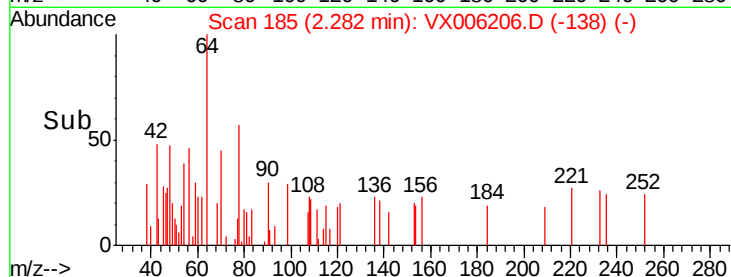
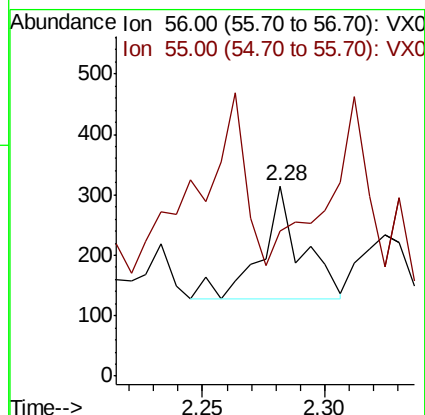
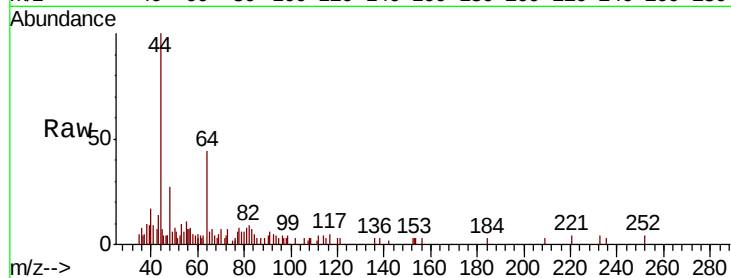
ClientSampled :

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 188.8 57.8 86.6#



#16

Acetone

Concen: 9.171 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006206.D

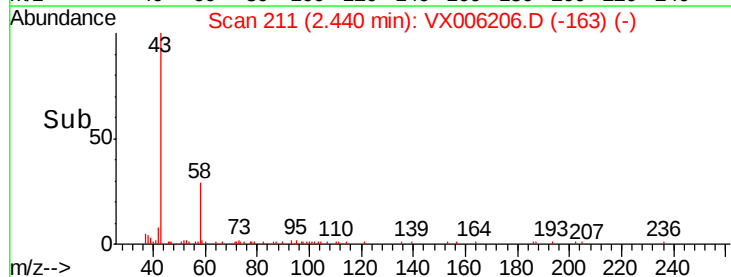
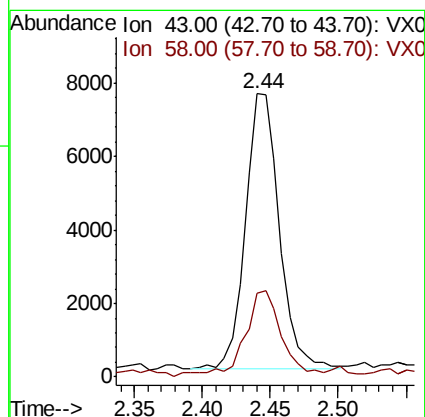
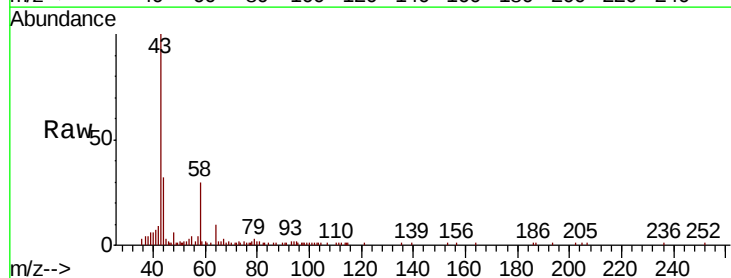
Acq: 27 Nov 2018 05:51

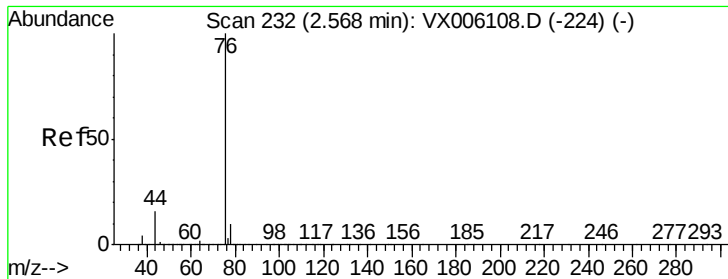
Tgt Ion: 43 Resp: 13079

Ion Ratio Lower Upper

43 100

58 27.7 23.8 35.8





#17

Carbon Disulfide

Concen: 0.327 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

Instrument :

MSVOA_X

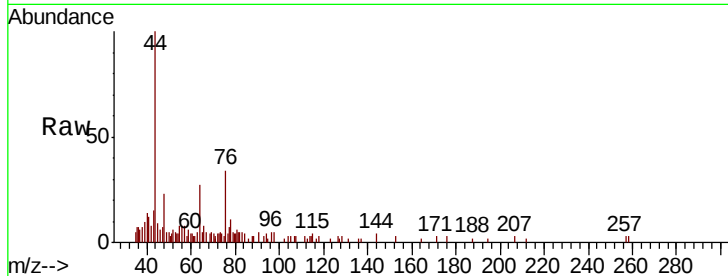
ClientSampleId :

Tot Ion: 76 Resp: 1771

Ion Ratio Lower Upper

76 100

78 19.7 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

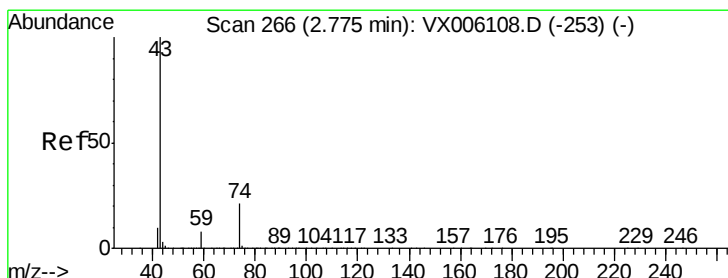
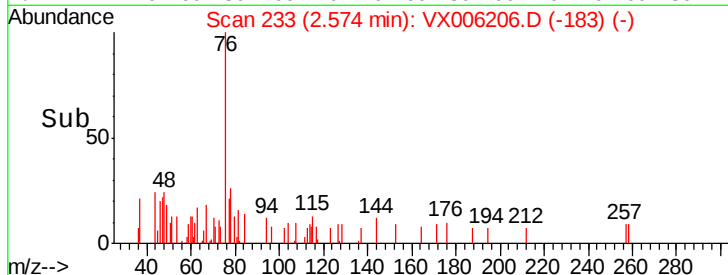
400

200

0

2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 0.600 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006206.D

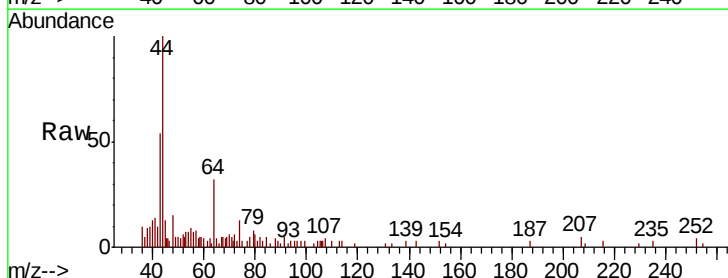
Acq: 27 Nov 2018 05:51

Tgt Ion: 43 Resp: 2194

Ion Ratio Lower Upper

43 100

74 43.2 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

1500

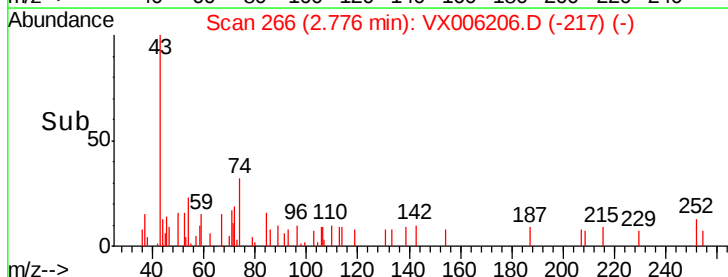
1000

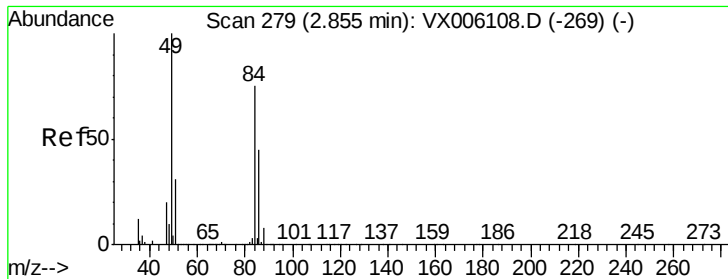
500

0

2.70 2.75 2.80 2.85

Time-->

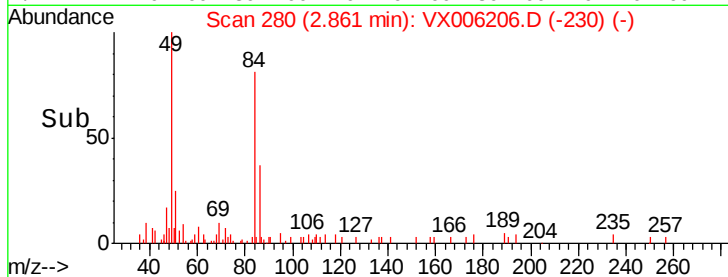
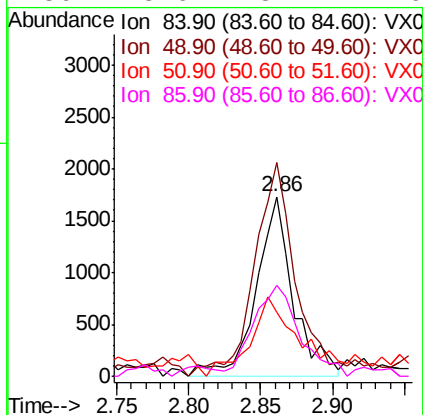
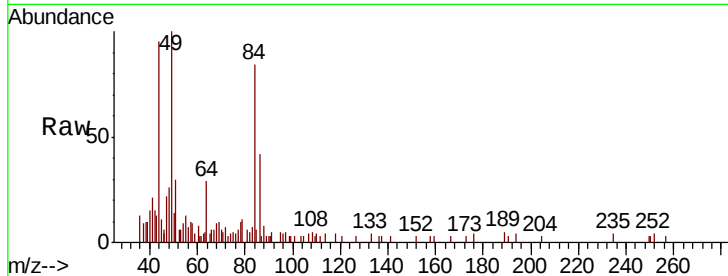




#20
Methvlene Chloride
Concen: 1.083 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006206.D
Acq: 27 Nov 2018 05:51

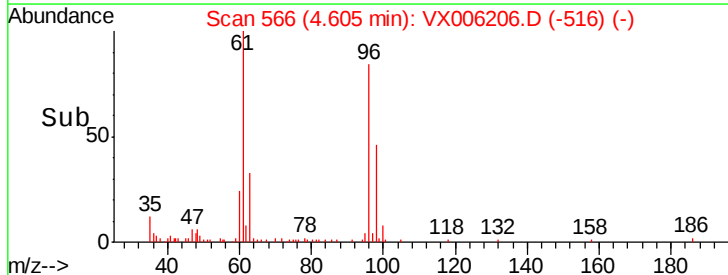
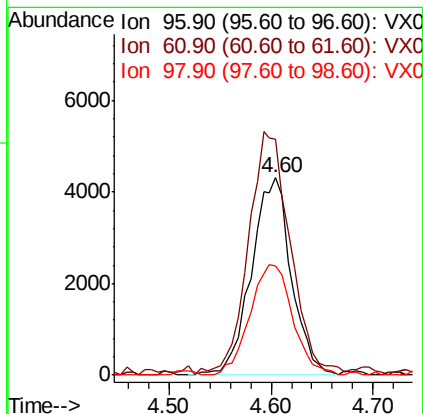
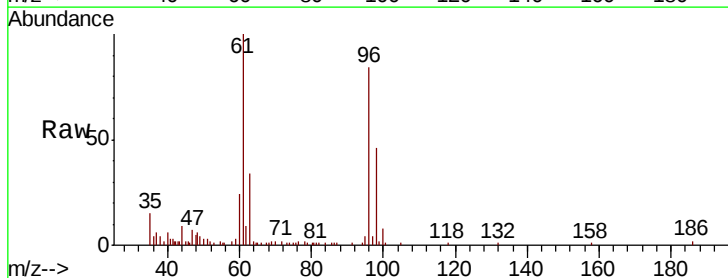
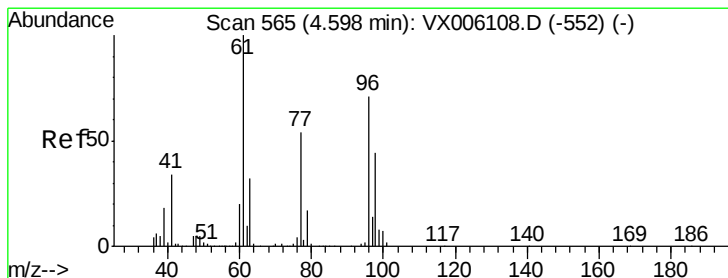
Instrument :
MSVOA_X
ClientSampleId :

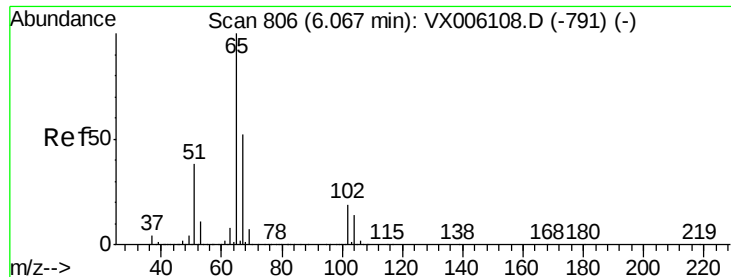
Tot Ion: 84 Resp: 3073
Ion Ratio Lower Upper
84 100
49 112.7 106.6 159.8
51 26.8 32.6 49.0#
86 45.6 48.4 72.6#



#27
cis-1,2-Dichloroethene
Concen: 4.002 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006206.D
Acq: 27 Nov 2018 05:51

Tgt Ion: 96 Resp: 11721
Ion Ratio Lower Upper
96 100
61 130.2 0.0 291.6
98 59.9 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 55.410 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

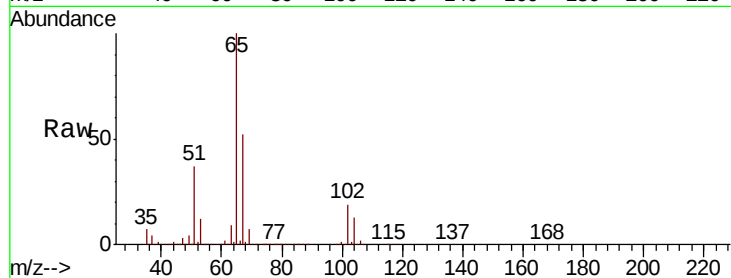
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 178082

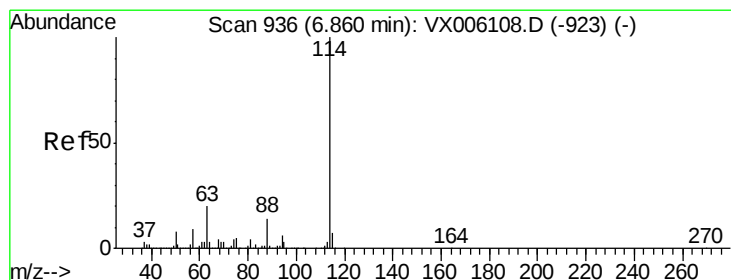
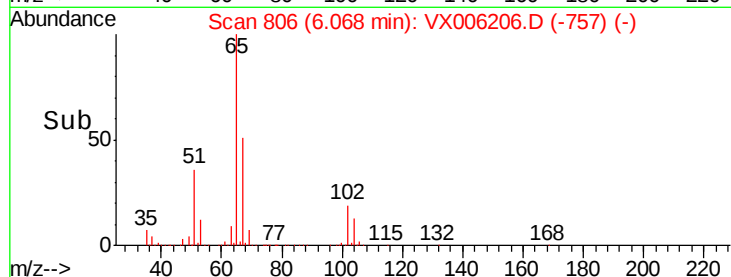
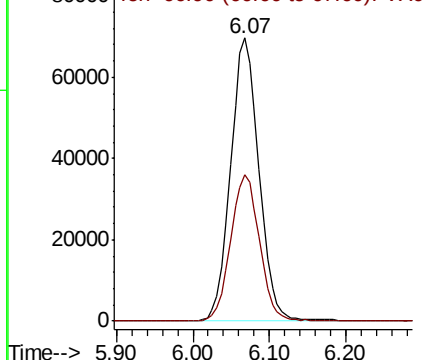
Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

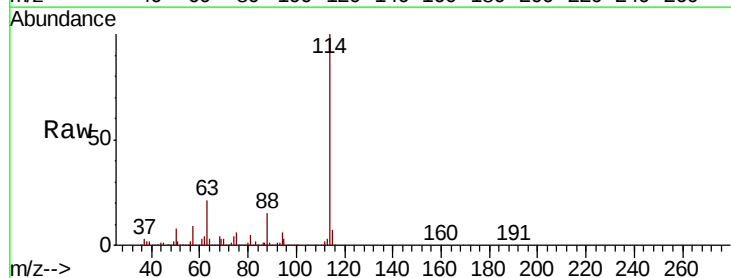
Tgt Ion: 114 Resp: 415489

Ion Ratio Lower Upper

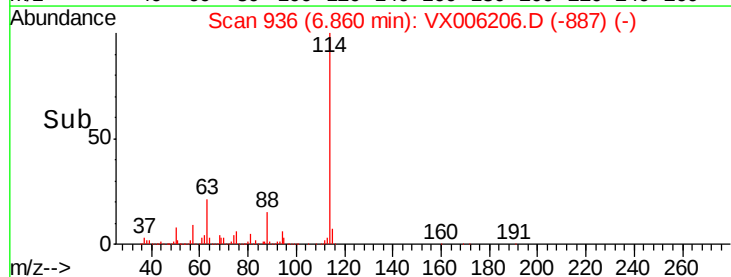
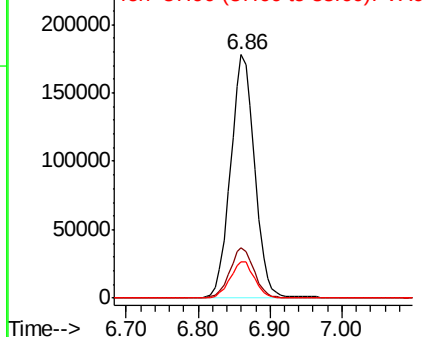
114 100

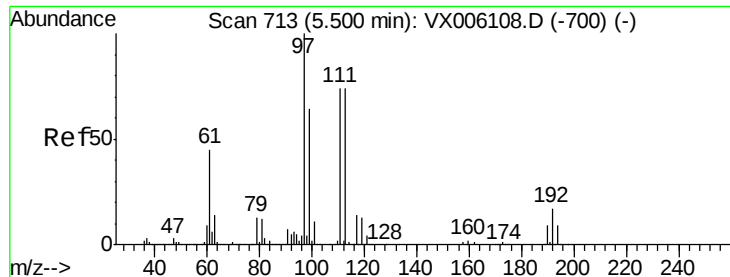
63 20.7 0.0 39.2

88 14.8 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.330 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

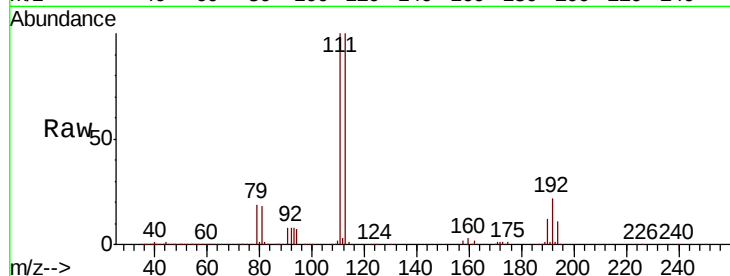
Tot Ion:113 Resp: 142236

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

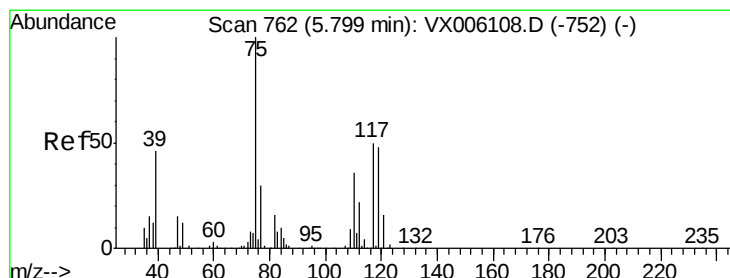
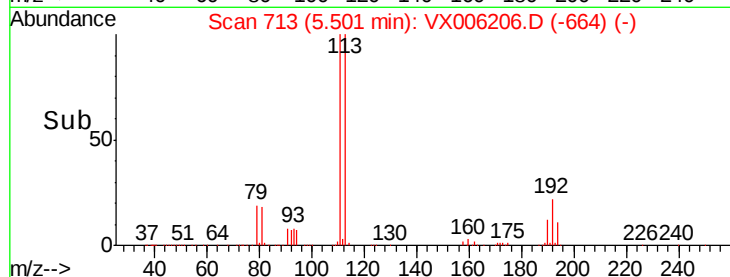
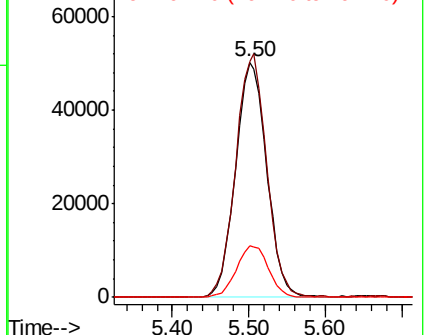
192 22.5 18.6 28.0



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: 5.401 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

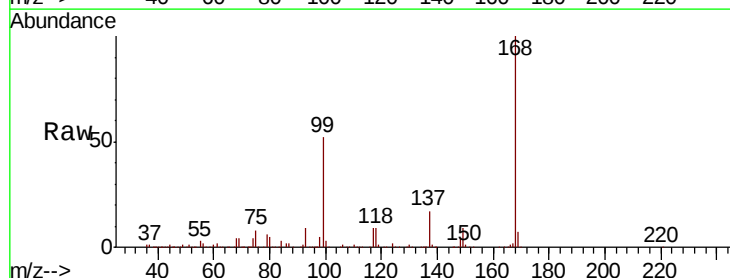
Tgt Ion: 75 Resp: 20416

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.3#

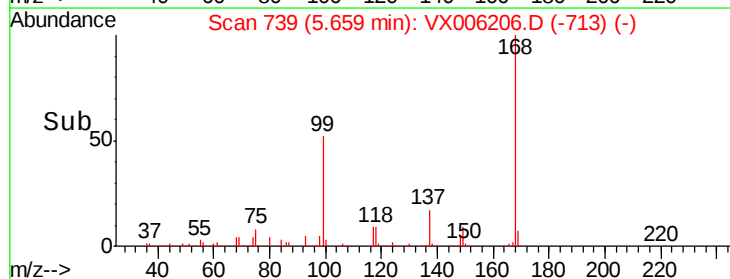
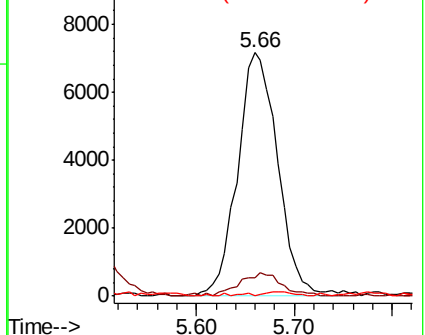
77 0.4 24.5 36.7#

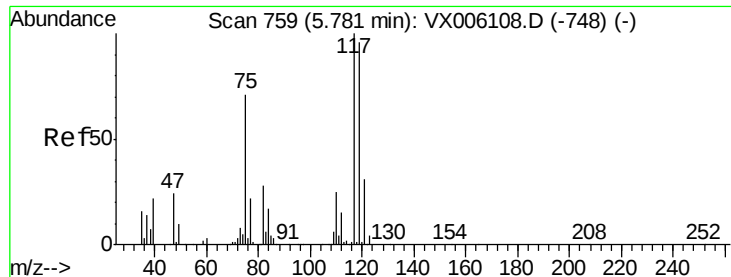


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.301 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

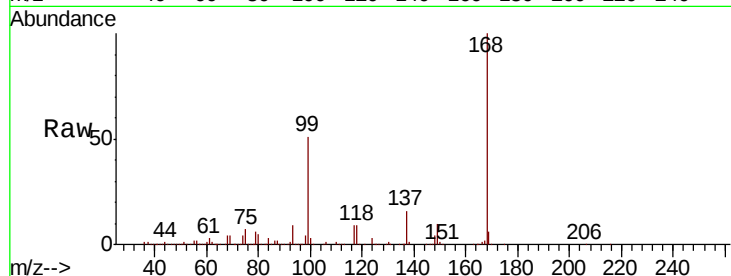
Tot Ion:117 Resp: 25940

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

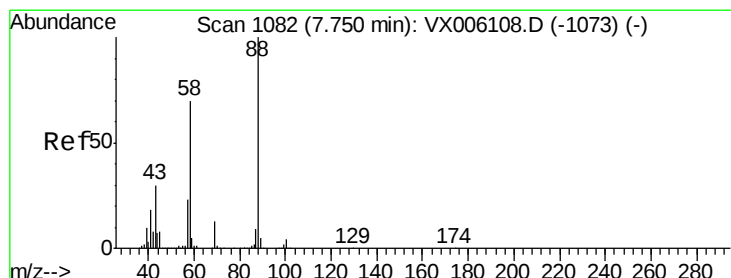
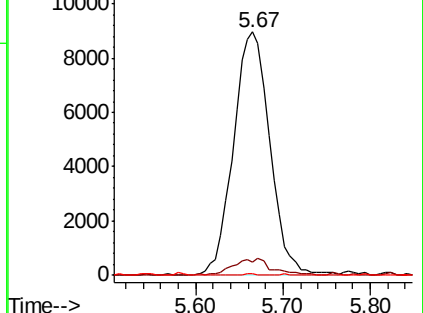
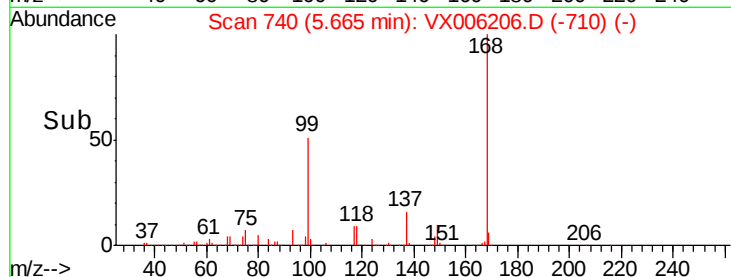
121 0.9 24.7 37.1#



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: 0.331 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

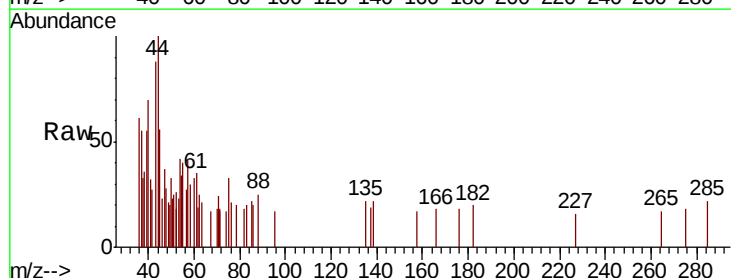
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 3596.4 26.7 40.1#

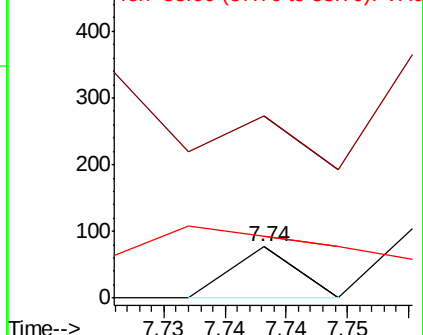
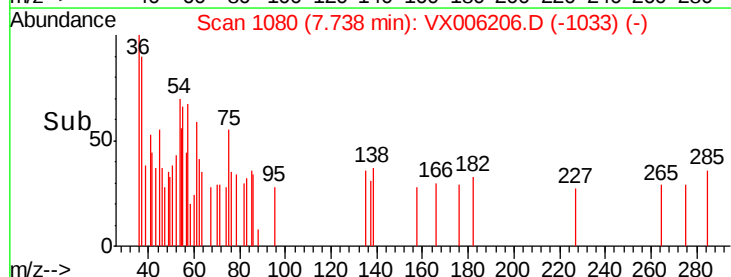
58 132.1 58.5 87.7#

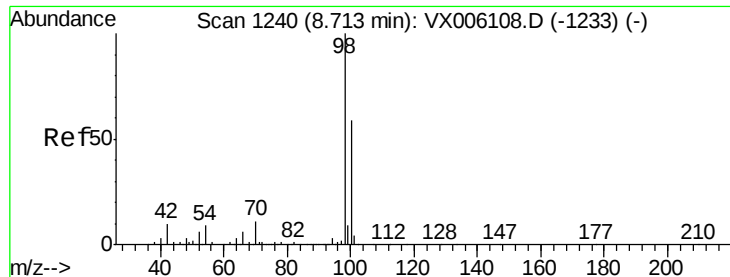


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.740 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

Instrument :

MSVOA_X

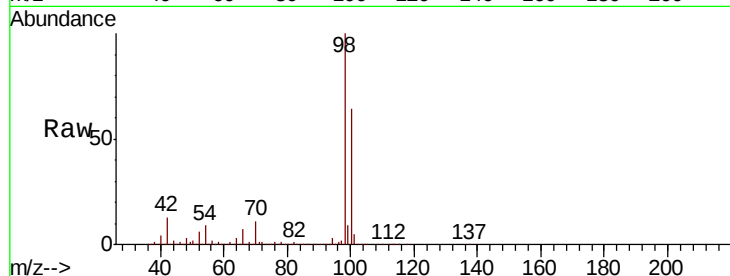
ClientSampled :

Tot Ion: 98 Resp: 505989

Ion Ratio Lower Upper

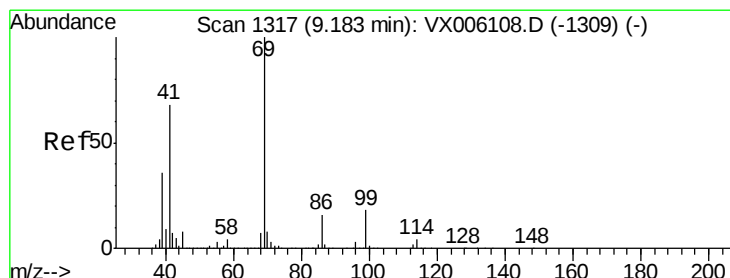
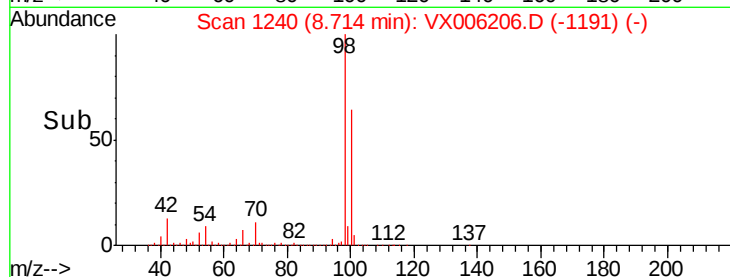
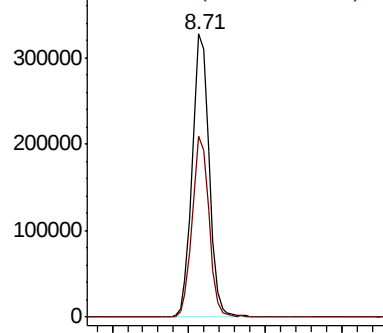
98 100

100 63.2 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: 2.895 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. 0.03 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

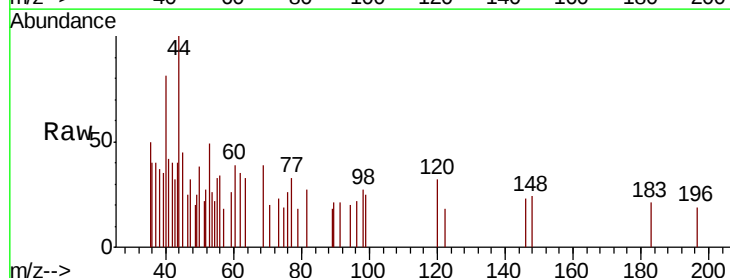
Tgt Ion: 69 Resp: 145

Ion Ratio Lower Upper

69 100

41 53.1 56.2 84.4#

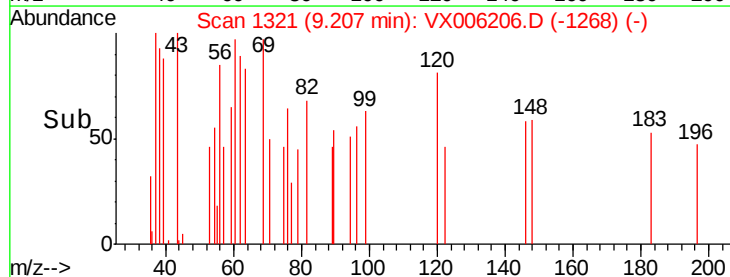
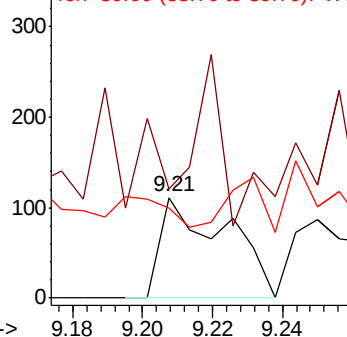
39 0.0 29.4 44.0#

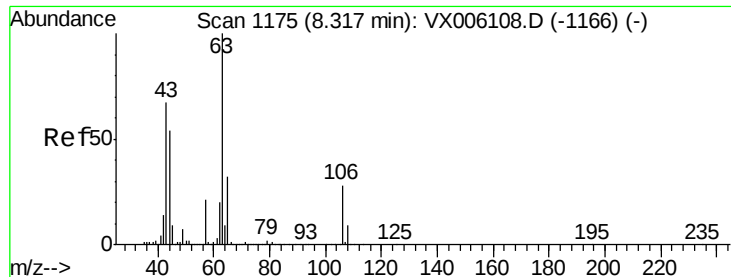


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#58

2-Chloroethyl Vinyl ether

Concen: 6.799 ug/l

RT: 8.21 min Scan# 1158

Delta R.T. -0.10 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

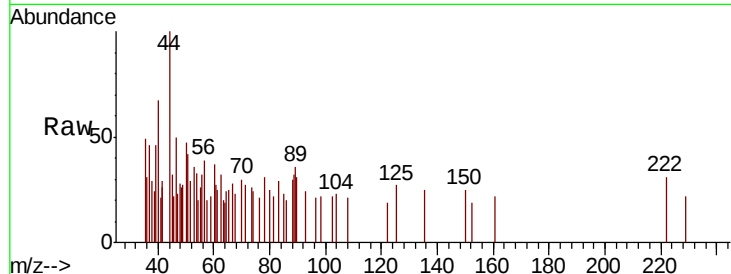
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 63 Resp: 205

Ion Ratio Lower Upper

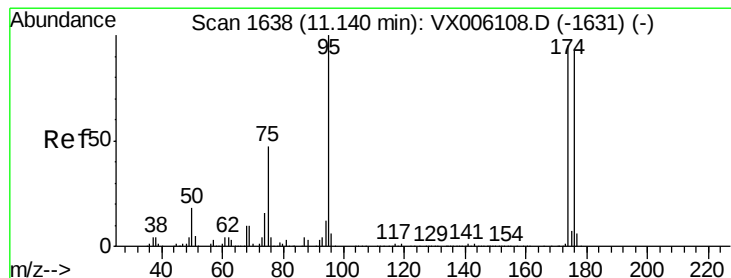
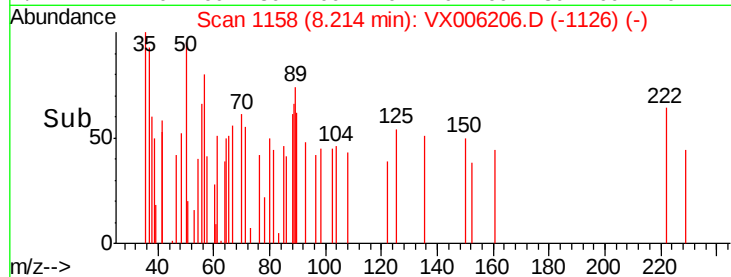
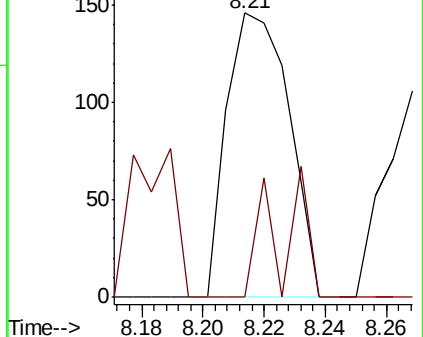
63 100

106 22.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#62

4-Bromofluorobenzene

Concen: 44.245 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

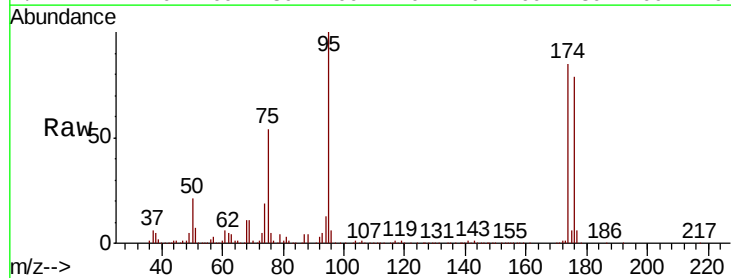
Tgt Ion: 95 Resp: 168877

Ion Ratio Lower Upper

95 100

174 94.4 0.0 184.4

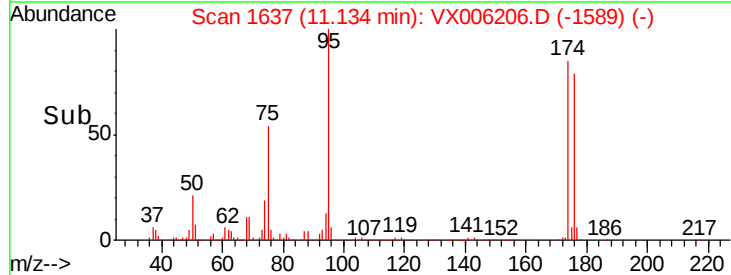
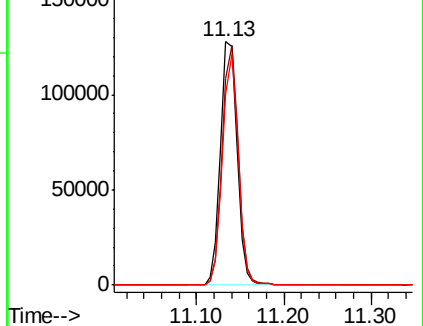
176 89.8 0.0 179.0

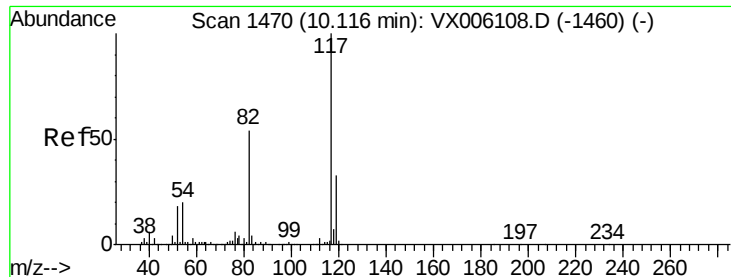


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

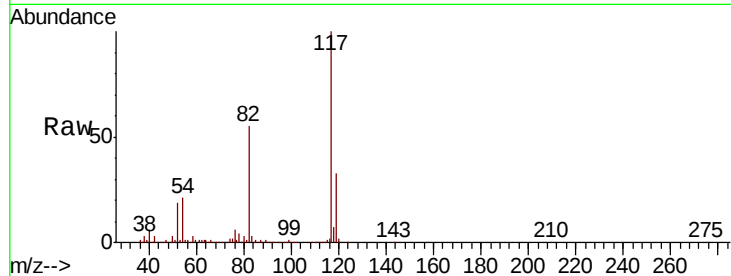




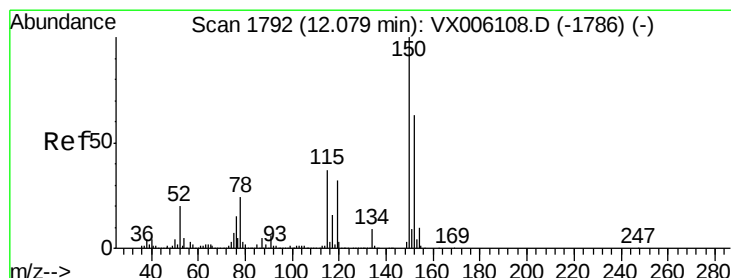
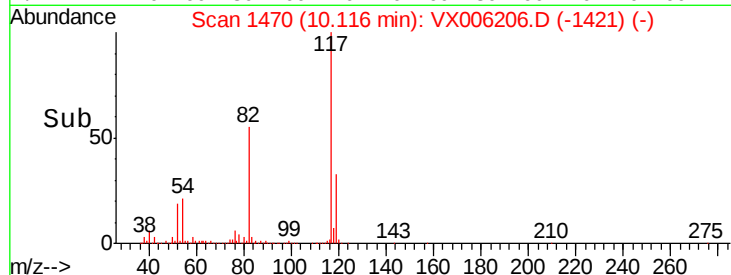
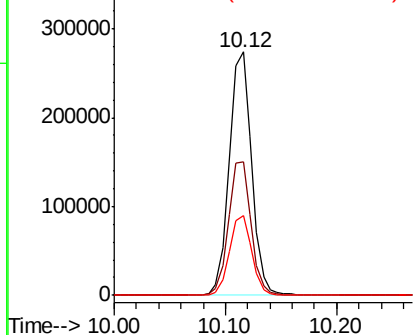
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006206.D
Acq: 27 Nov 2018 05:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 381242
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.5 26.1 39.1

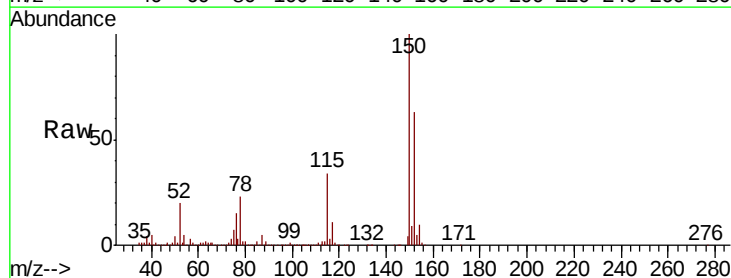


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

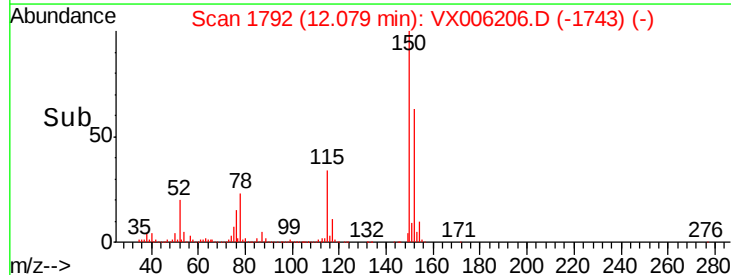
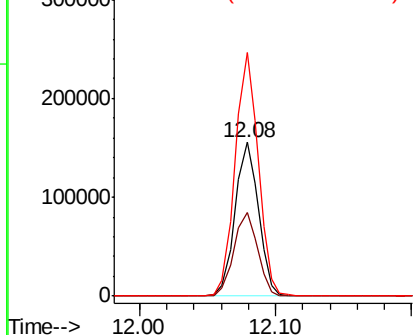


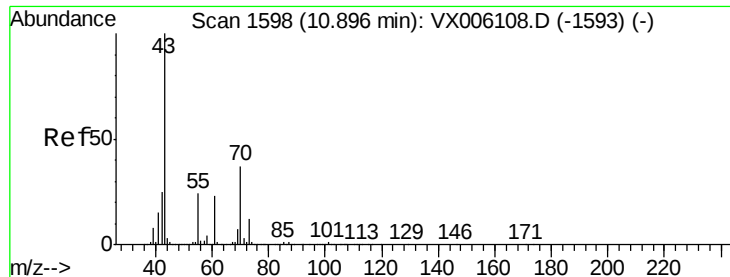
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006206.D
Acq: 27 Nov 2018 05:51

Tgt Ion:152 Resp: 186399
Ion Ratio Lower Upper
152 100
115 55.2 39.0 116.9
150 156.5 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: 2.291 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX006206.D

Acq: 27 Nov 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 595

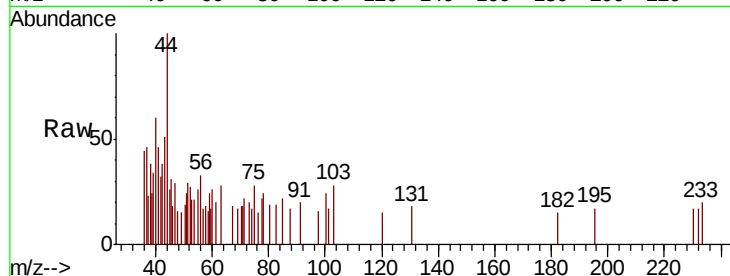
Ion Ratio Lower Upper

43 100

70 33.4 31.8 47.6

55 40.7 19.5 29.3#

61 0.0 18.6 27.8#

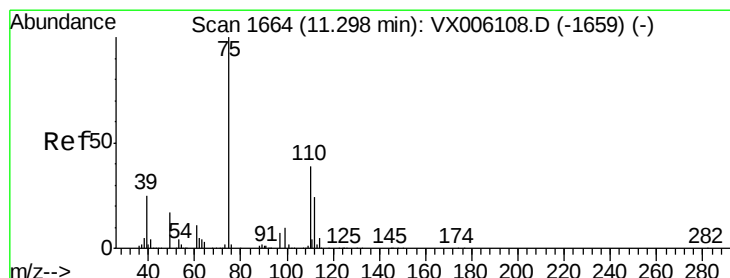
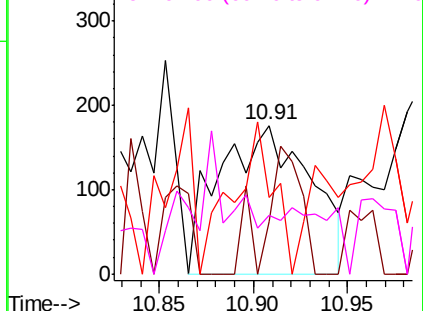
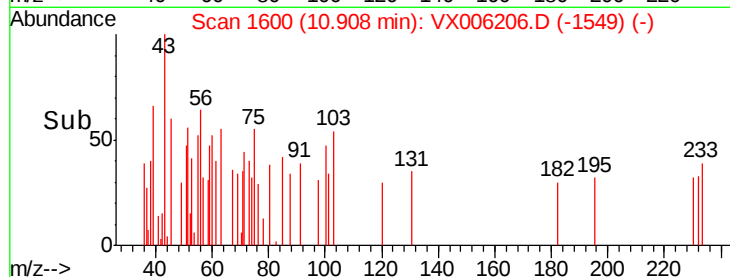


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.939 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006206.D

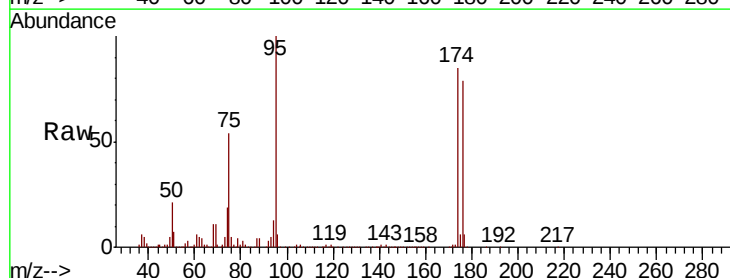
Acq: 27 Nov 2018 05:51

Tgt Ion: 75 Resp: 88029

Ion Ratio Lower Upper

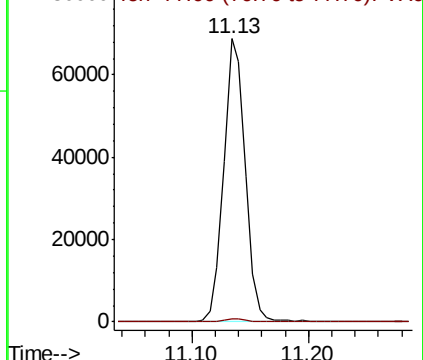
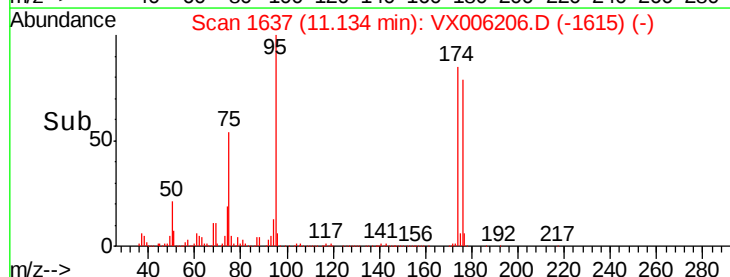
75 100

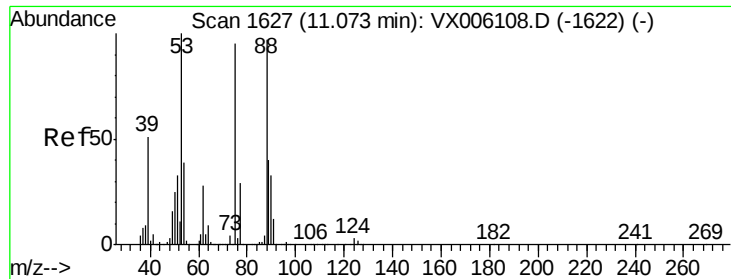
77 1.4 19.6 58.7#



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: 77.584 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006206.D
 Acq: 27 Nov 2018 05:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 88029
 Ion Ratio Lower Upper
 75 100
 53 0.5 85.3 127.9#
 89 0.2 37.2 55.8#

