

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006690.D
 Acq On : 20 Dec 2018 22:27
 Operator : JC/MD
 Sample : VX1220WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 21 03:36:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	638740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1001885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	914949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	440279	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	347906	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	5.51	113	298108	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
50) Toluene-d8	8.71	98	1183629	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	431886	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

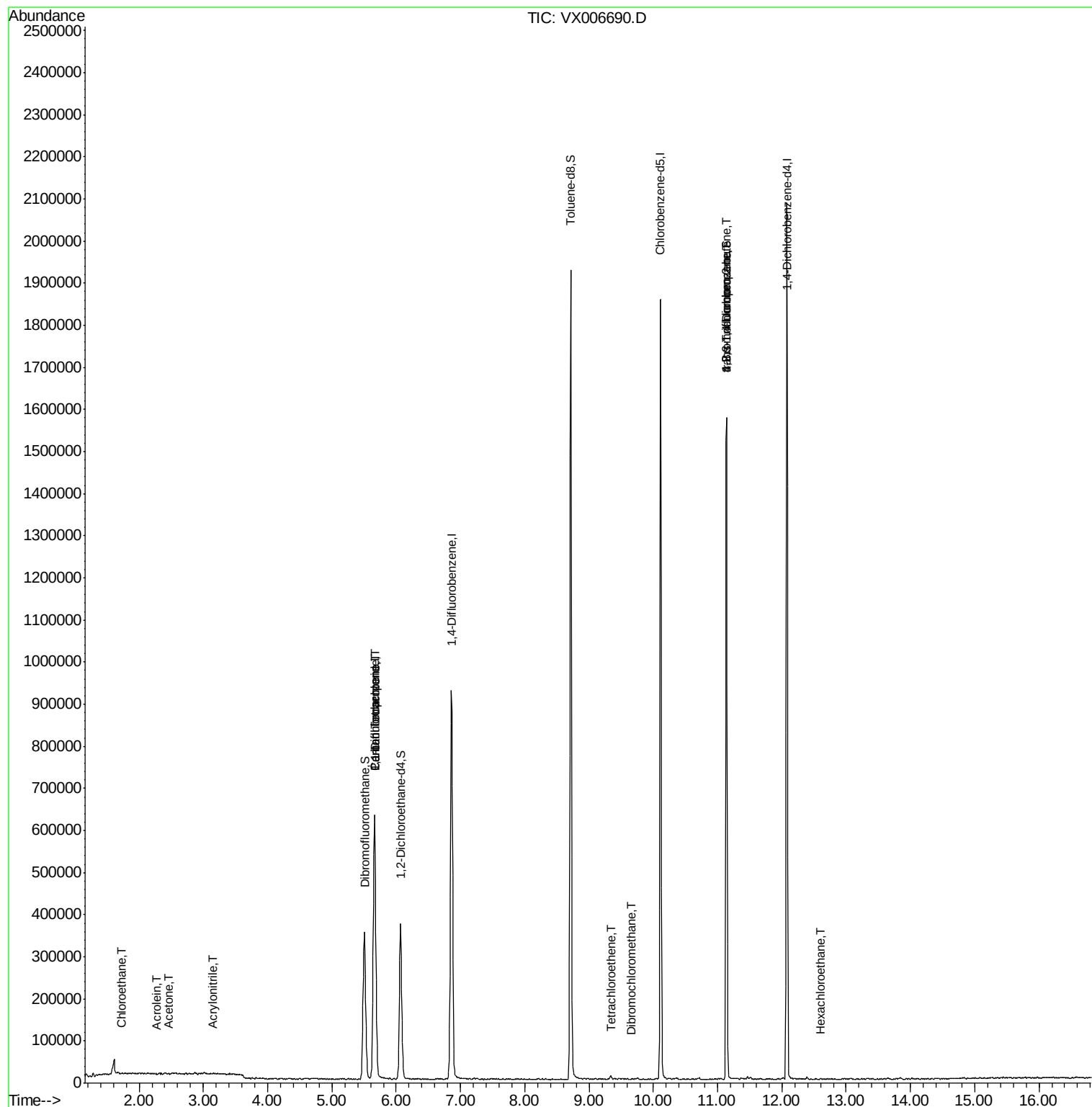
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	544	Below Cal		92
6) Chloroethane	1.73	64	1689	0.371	ug/l #	61
13) Acrolein	2.28	56	394	0.380	ug/l #	13
15) Acrylonitrile	3.16	53	692	0.203	ug/l #	85
16) Acetone	2.45	43	1236	0.391	ug/l	92
28) Bromochloromethane	5.02	49	244	Below Cal	#	3
36) 1,1-Dichloropropene	5.67	75	42356	5.104	ug/l #	48
38) Carbon Tetrachloride	5.67	117	59079	7.326	ug/l #	14
49) 1,4-Dioxane	7.74	88	85	Below Cal	#	1
60) Dibromochloromethane	9.65	129	113	2.340	ug/l	79
64) Tetrachloroethene	9.34	164	1813	0.250	ug/l #	80
76) 1,2,3-Trichloropropane	11.13	75	201600	24.639	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	201600	72.868	ug/l #	10
90) Hexachloroethane	12.60	117	64	3.307	ug/l	69

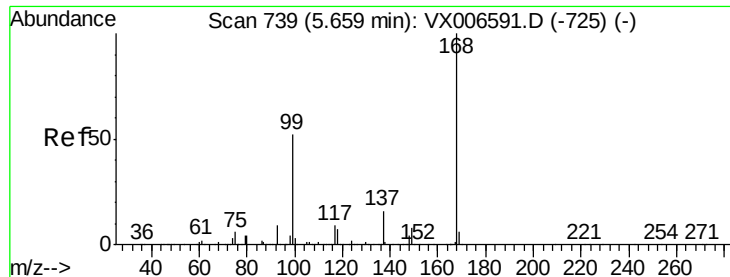
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006690.D
Acq On : 20 Dec 2018 22:27
Operator : JC/MD
Sample : VX1220WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 20 23:52:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Instrument :

MSVOA_X

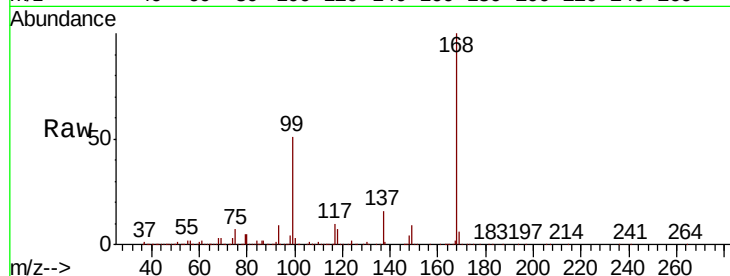
ClientSampled :

Tot Ion:168 Resp: 638740

Ion Ratio Lower Upper

168 100

99 51.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

100000

50000

0

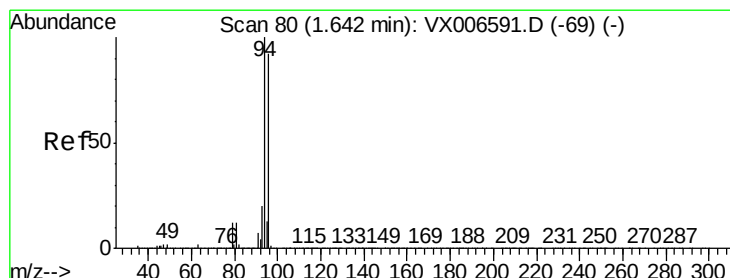
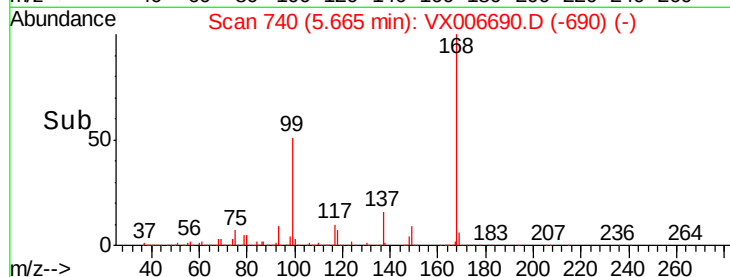
Time-->

5.50

5.60

5.70

5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006690.D

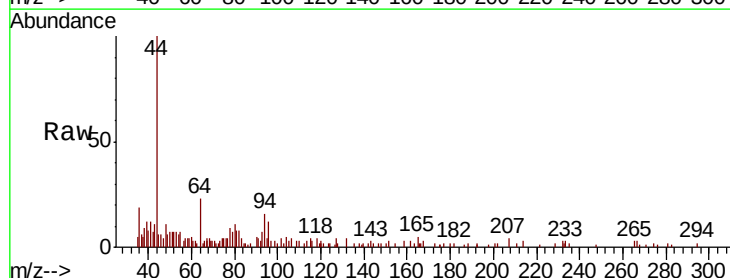
Acq: 20 Dec 2018 22:27

Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

94 100

96 84.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

400

200

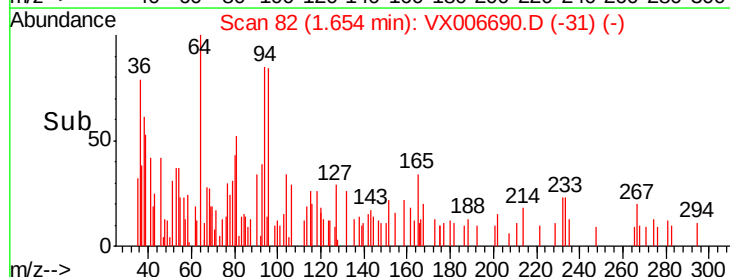
0

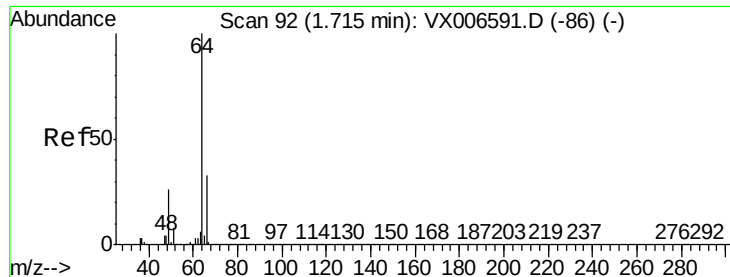
Time-->

1.62

1.64

1.66





#6

Chloroethane

Concen: 0.371 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Instrument :

MSVOA_X

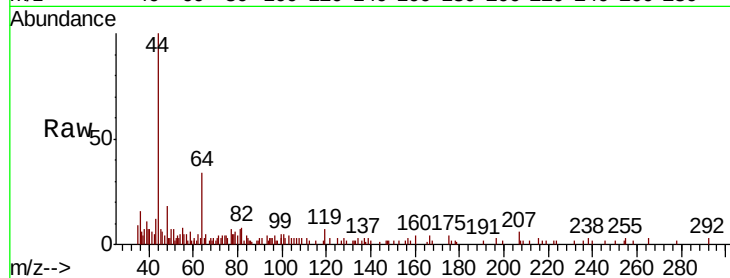
ClientSampled :

Tot Ion: 64 Resp: 1689

Ion Ratio Lower Upper

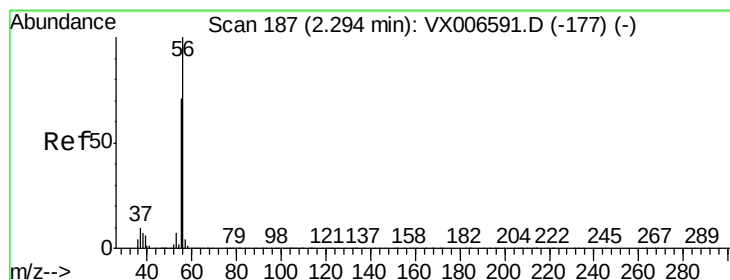
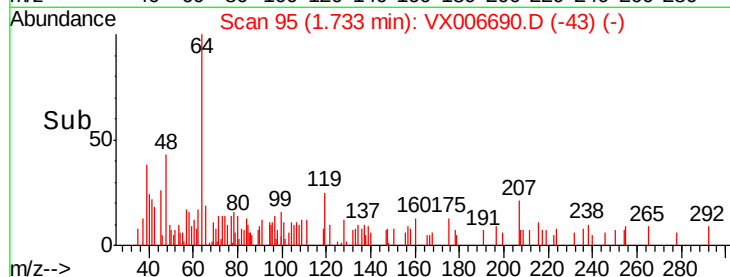
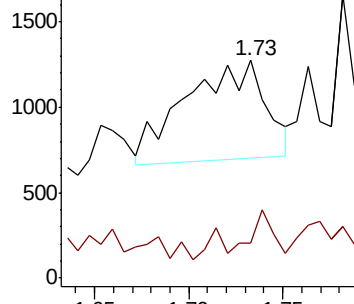
64 100

66 10.9 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 0.380 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX006690.D

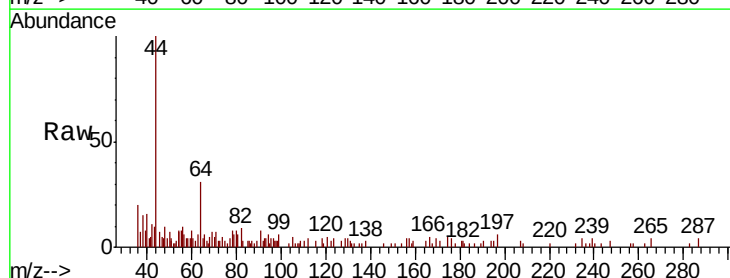
Acq: 20 Dec 2018 22:27

Tgt Ion: 56 Resp: 394

Ion Ratio Lower Upper

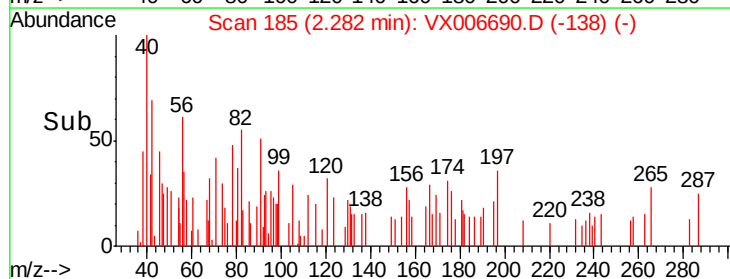
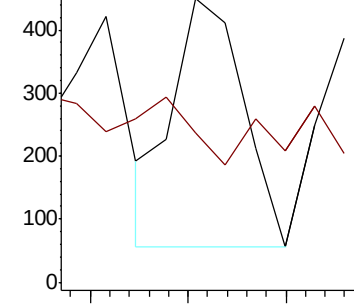
56 100

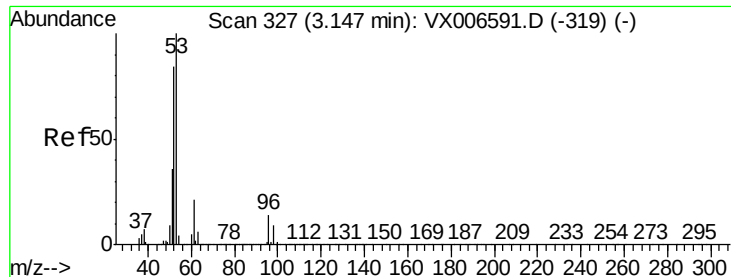
55 0.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.203 ug/l

RT: 3.16 min Scan# 329

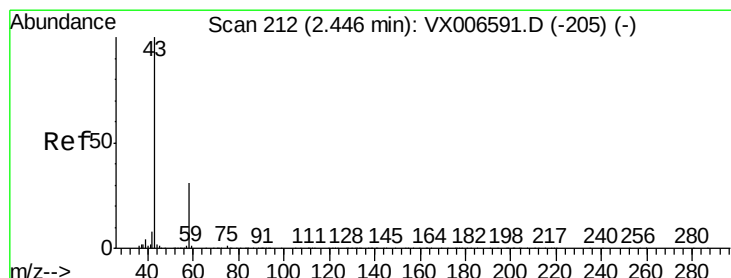
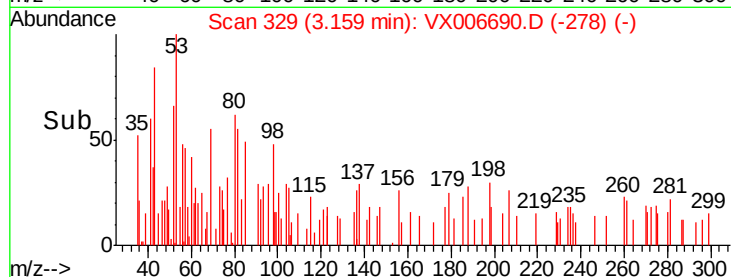
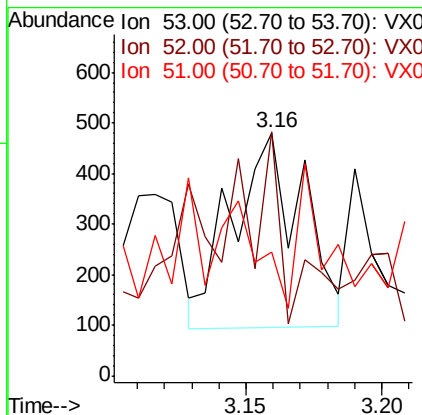
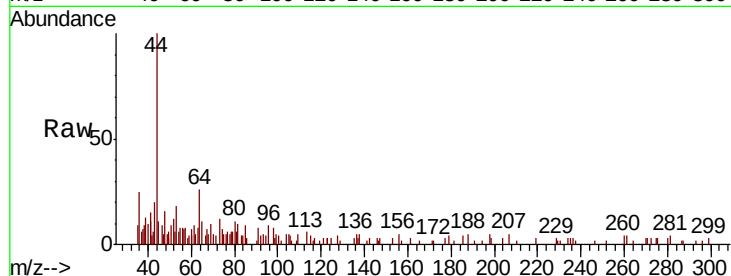
Delta R.T. 0.01 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	53	Resp:	692
Ion	Ratio	Lower	Upper
53	100		
52	68.6	66.0	99.0
51	28.3	28.6	42.8#



#16

Acetone

Concen: 0.391 ug/l

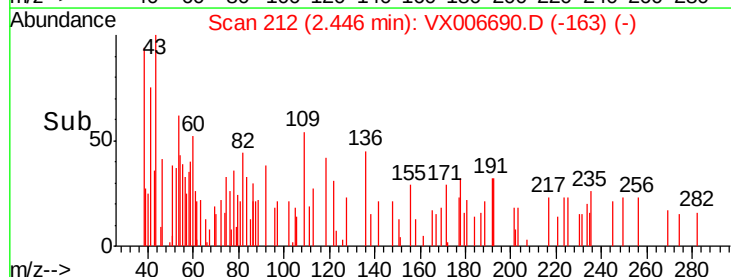
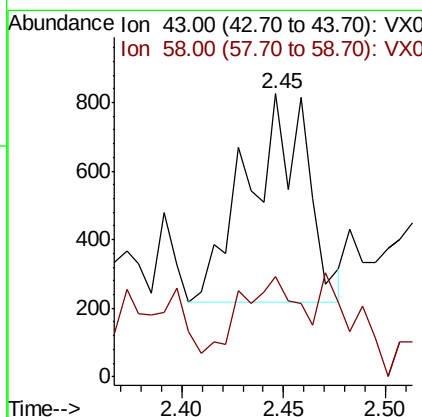
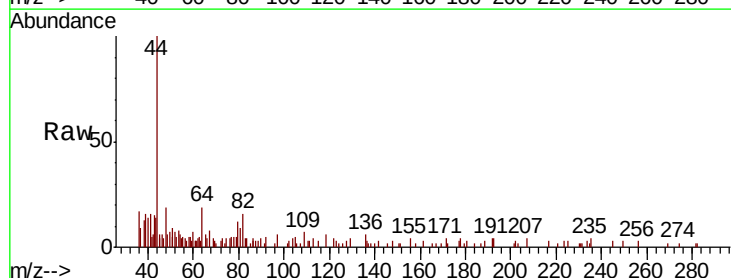
RT: 2.45 min Scan# 212

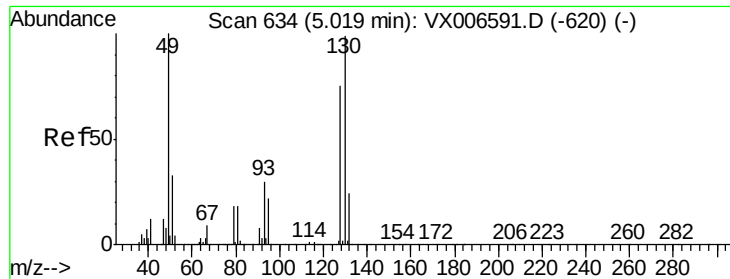
Delta R.T. -0.00 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Tgt Ion:	43	Resp:	1236
Ion	Ratio	Lower	Upper
43	100		
58	26.9	25.0	37.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

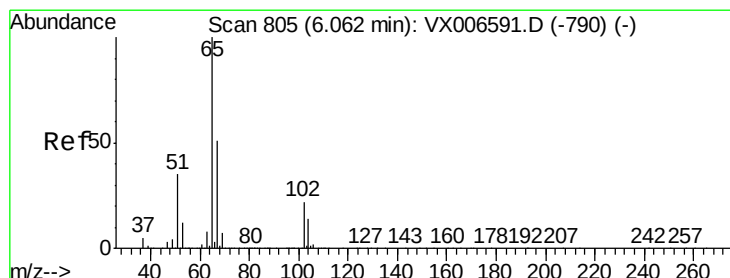
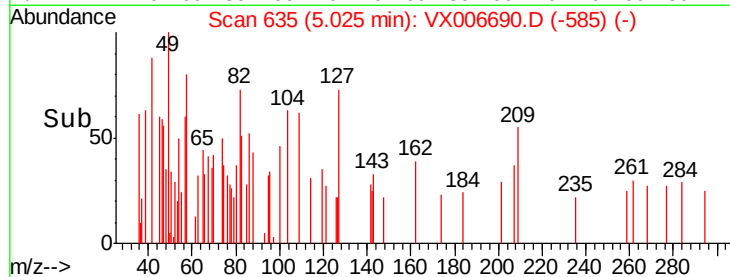
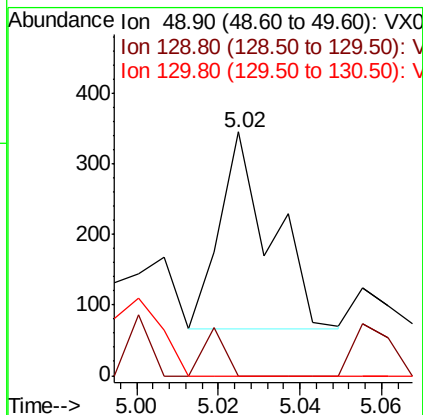
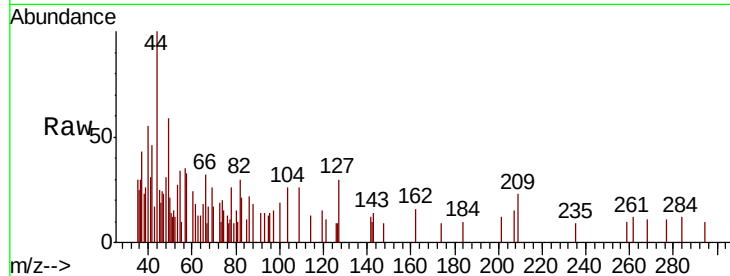
Delta R.T. 0.01 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 244
Ion Ratio Lower Upper
49 100
129 10.2 0.0 5.4#
130 0.0 77.7 116.5#



#33

1,2-Dichloroethane-d4

Concen: 50.538 ug/l

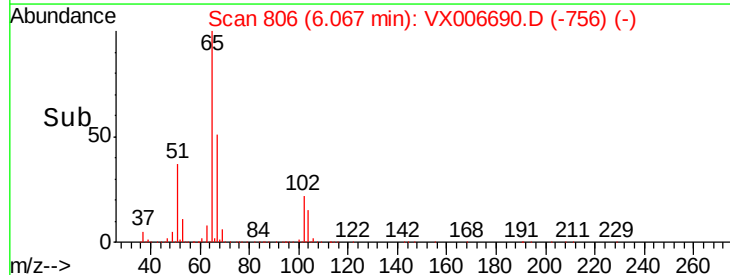
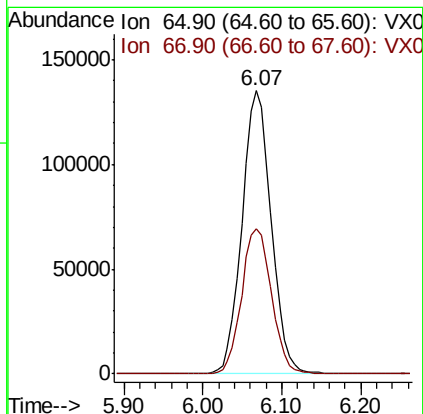
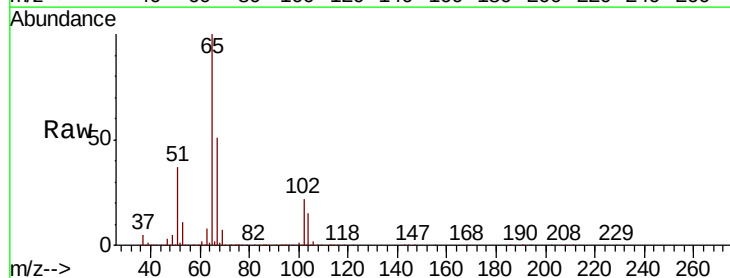
RT: 6.07 min Scan# 806

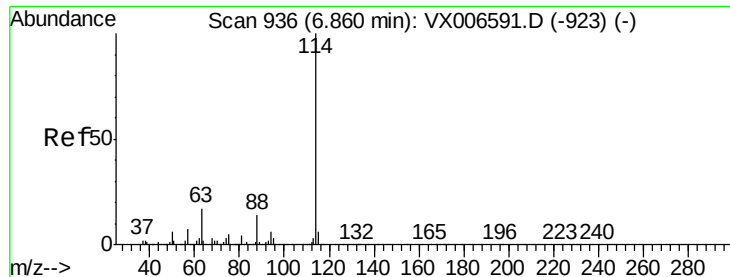
Delta R.T. 0.01 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Tgt Ion: 65 Resp: 347906
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

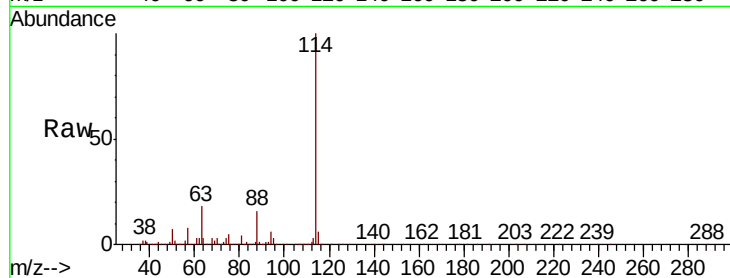
Tot Ion:114 Resp: 1001885

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

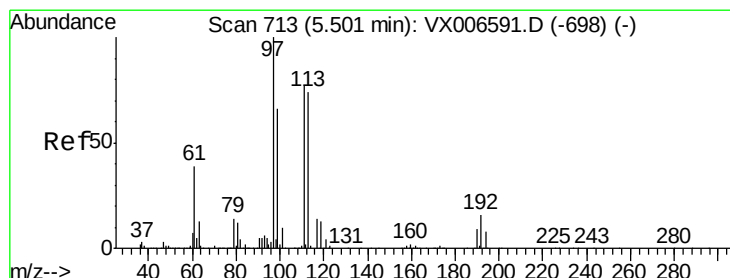
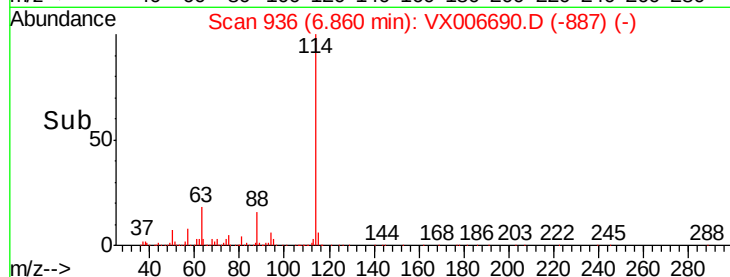
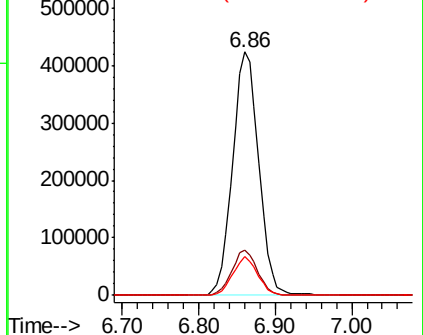
88 15.7 0.0 28.8



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: 47.052 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

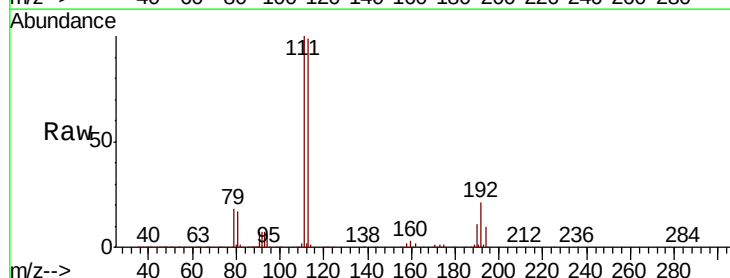
Tgt Ion:113 Resp: 298108

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

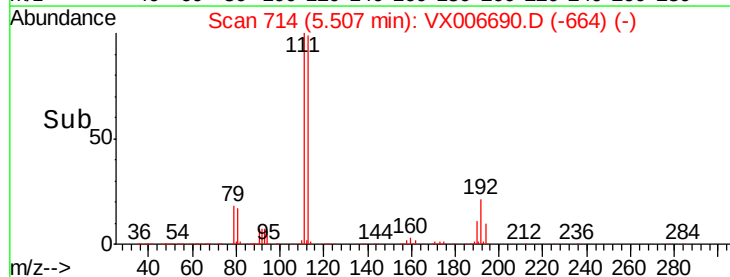
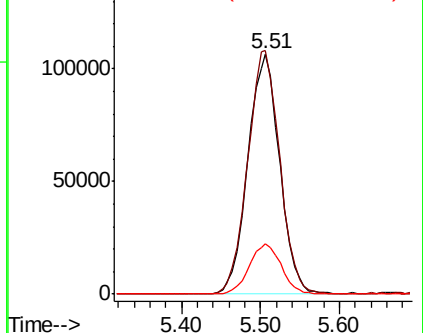
192 21.0 16.7 25.1

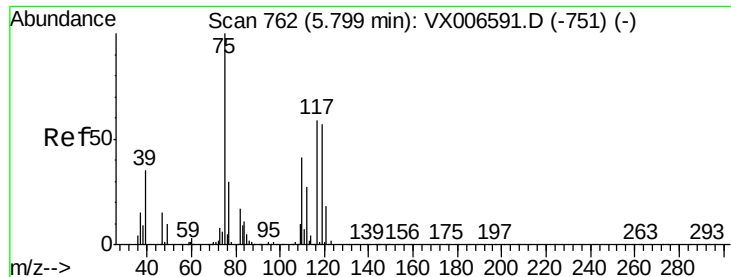


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

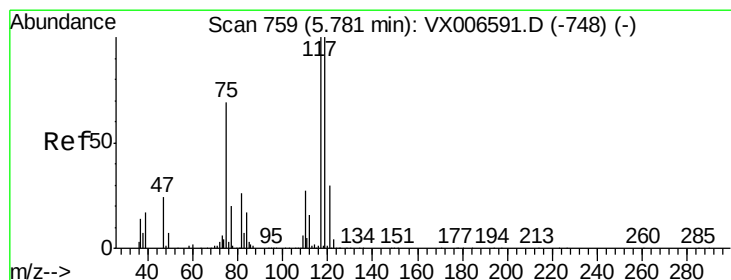
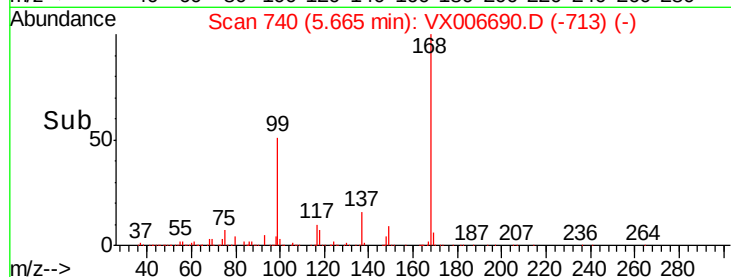
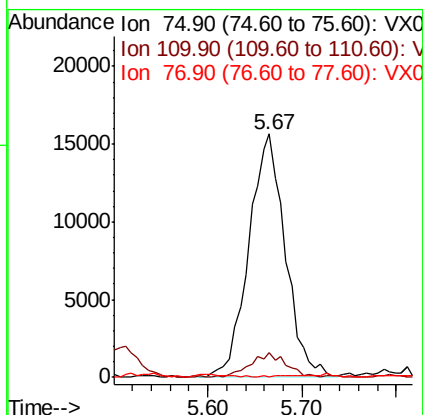
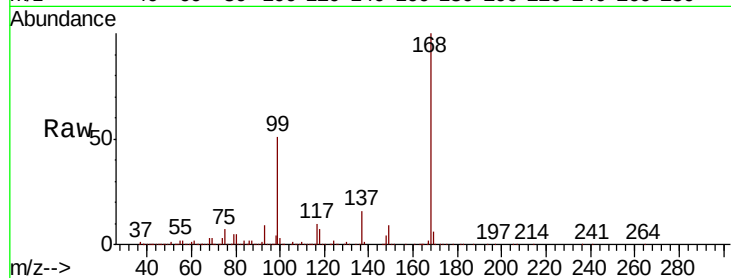




#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006690.D
 Acq: 20 Dec 2018 22:27

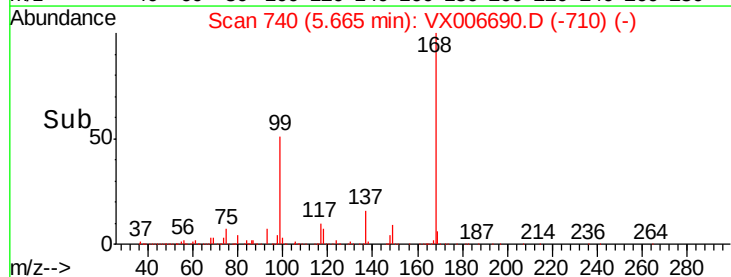
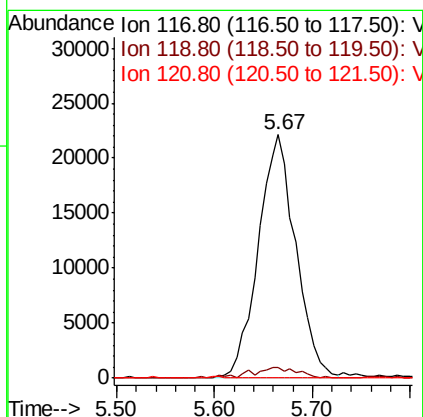
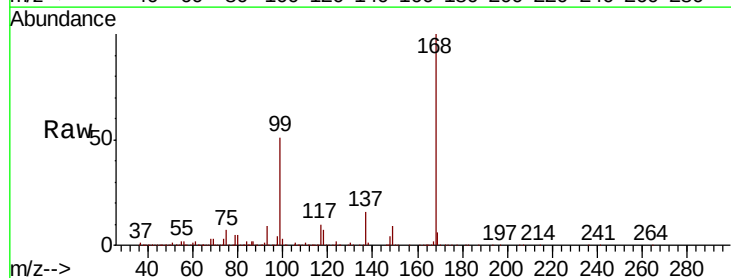
Instrument :
 MSVOA_X
 ClientSampleId :

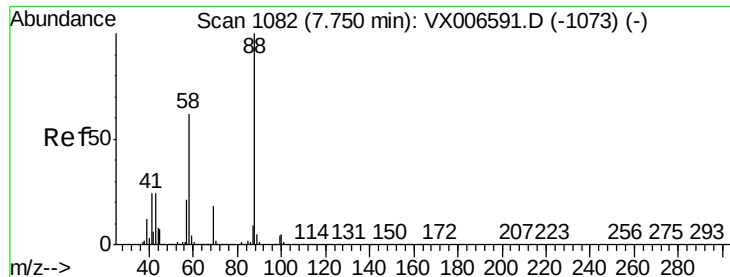
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	20.2	60.5#
77	0.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.326 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006690.D
 Acq: 20 Dec 2018 22:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	79.4	119.2#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

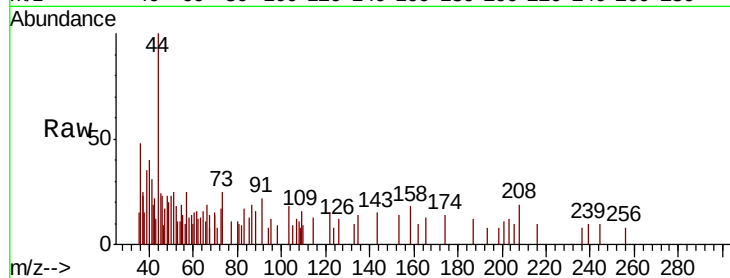
Tot Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 432.9 51.0 76.4#



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

400

300

200

100

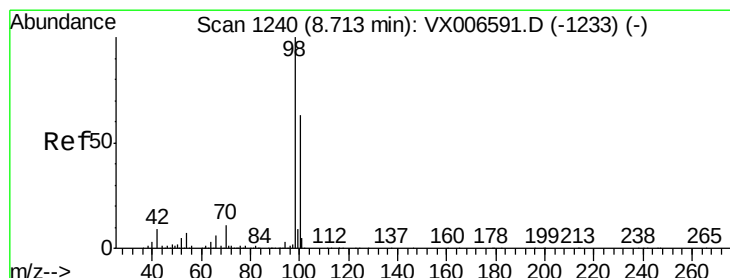
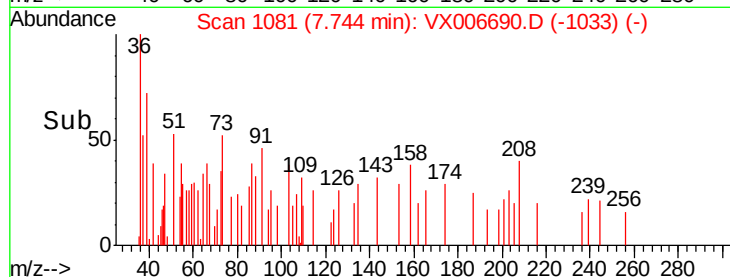
0

7.72

7.74

7.76

Time-->



#50

Toluene-d8

Concen: 49.553 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006690.D

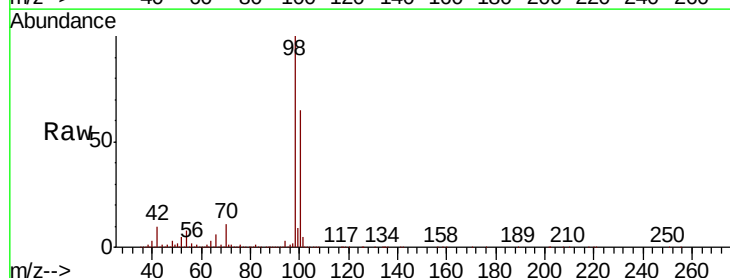
Acq: 20 Dec 2018 22:27

Tgt Ion: 98 Resp: 1183629

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

800000

600000

400000

200000

0

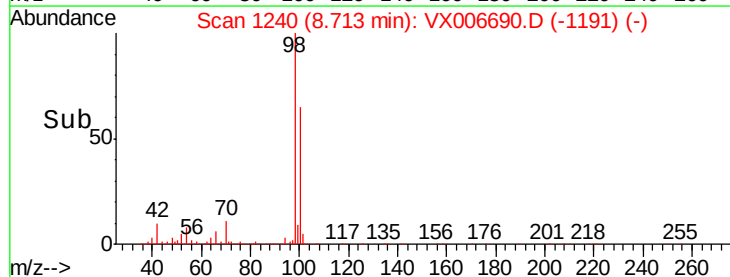
8.60

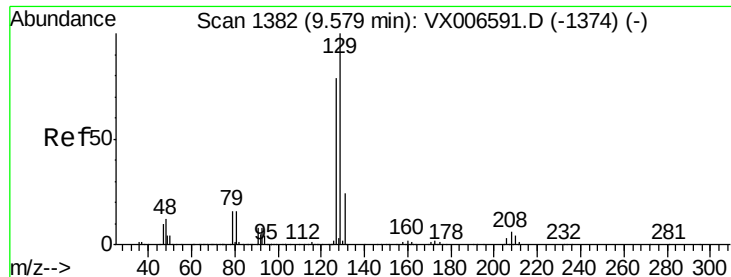
8.70

8.80

8.90

Time-->





#60

Dibromochloromethane

Concen: 2.340 ug/l

RT: 9.65 min Scan# 1394

Delta R.T. 0.07 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

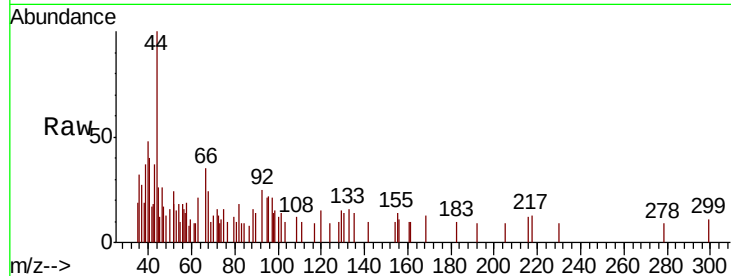
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 113

Ion Ratio Lower Upper

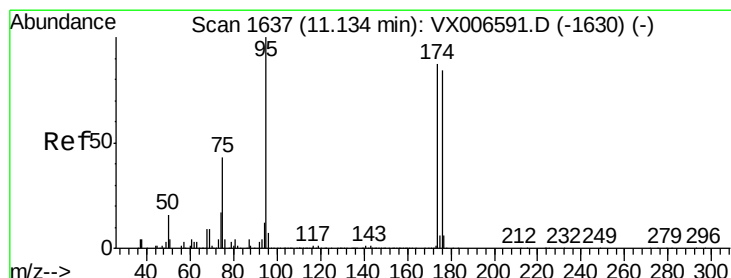
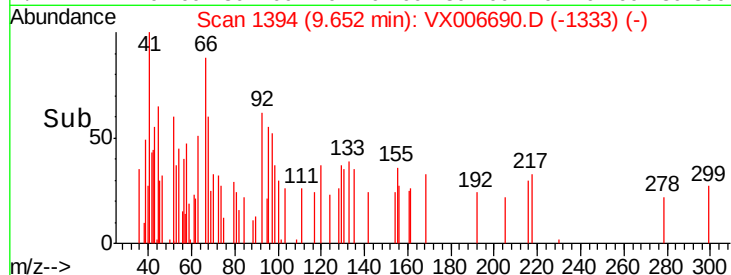
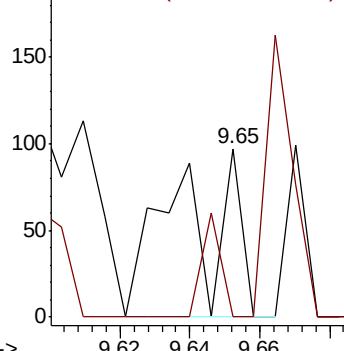
129 100

127 96.5 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.370 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

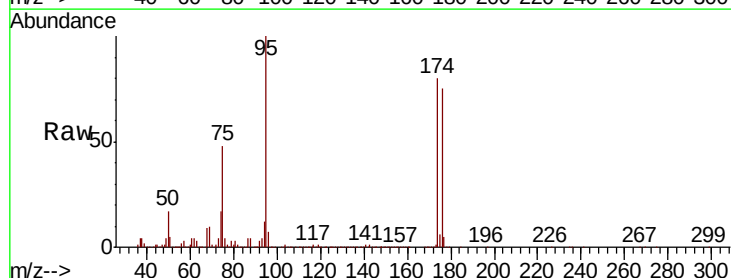
Tgt Ion: 95 Resp: 431886

Ion Ratio Lower Upper

95 100

174 86.0 0.0 182.2

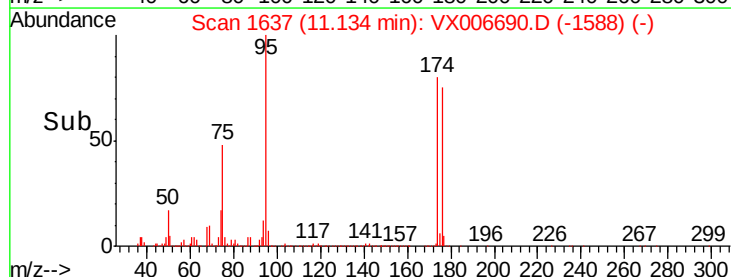
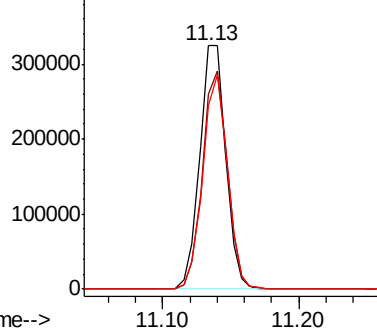
176 83.7 0.0 178.8

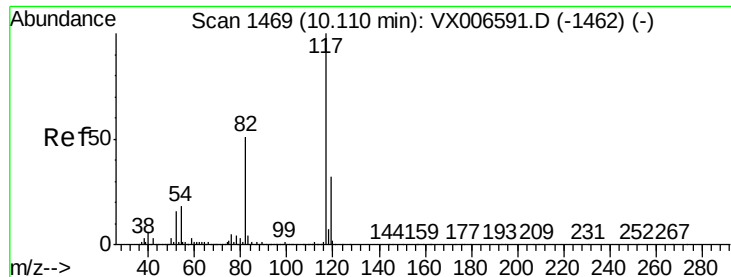


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

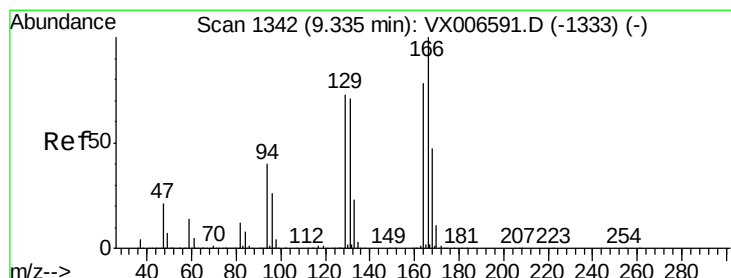
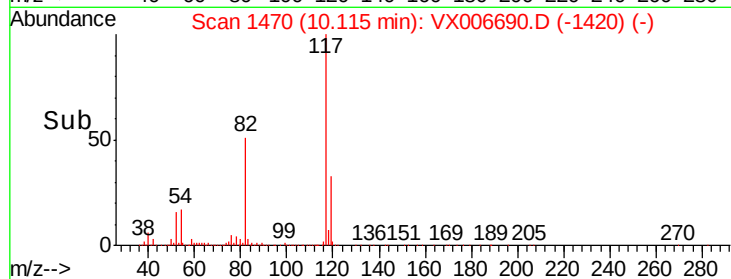
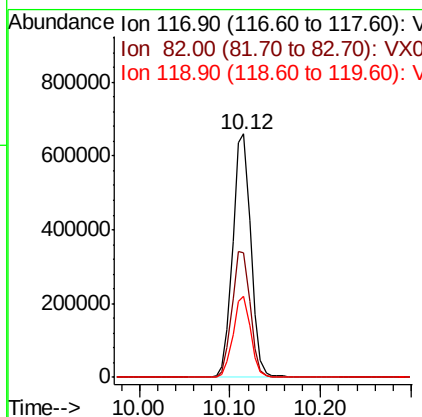
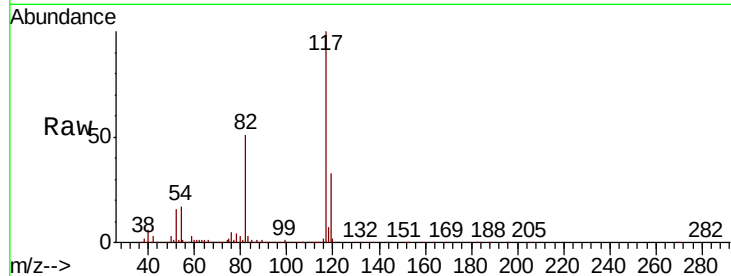




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006690.D
Acq: 20 Dec 2018 22:27

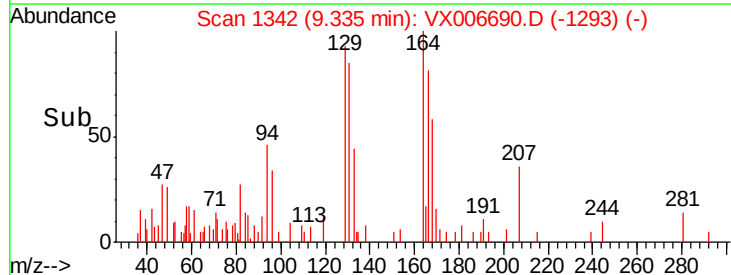
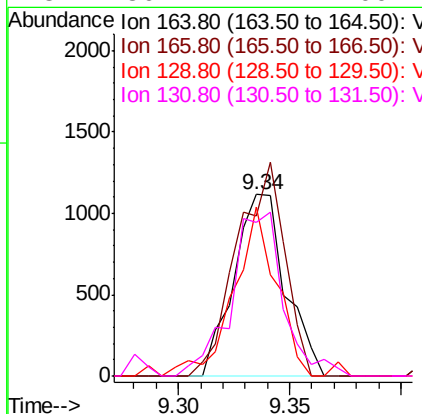
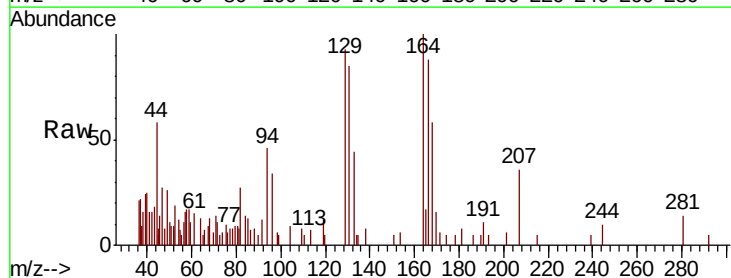
Instrument :
MSVOA_X
ClientSampled :

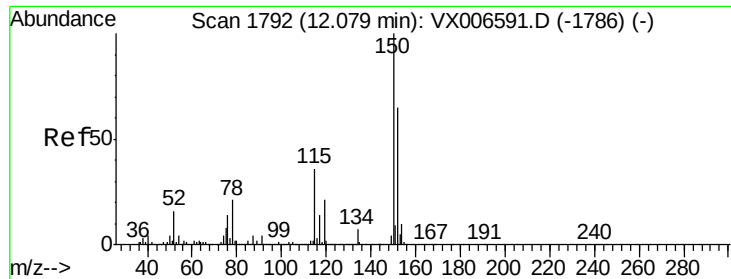
Tot Ion:117 Resp: 914949
Ion Ratio Lower Upper
117 100
82 50.9 41.0 61.6
119 33.1 25.4 38.0



#64
Tetrachloroethene
Concen: 0.250 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006690.D
Acq: 20 Dec 2018 22:27

Tgt Ion:164 Resp: 1813
Ion Ratio Lower Upper
164 100
166 88.3 102.5 153.7#
129 85.5 75.1 112.7
131 80.1 72.7 109.1

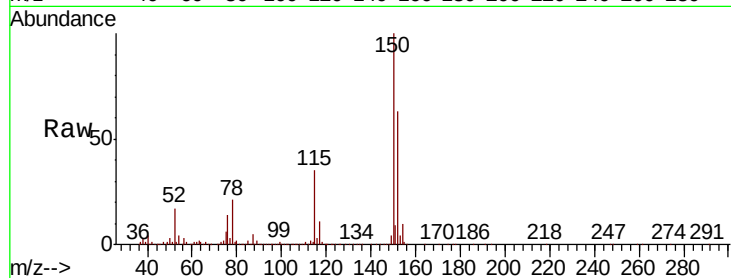




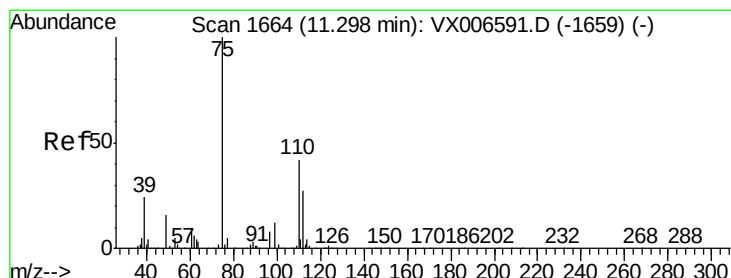
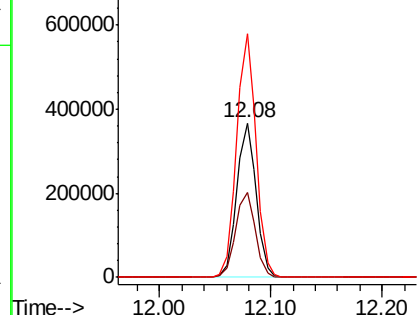
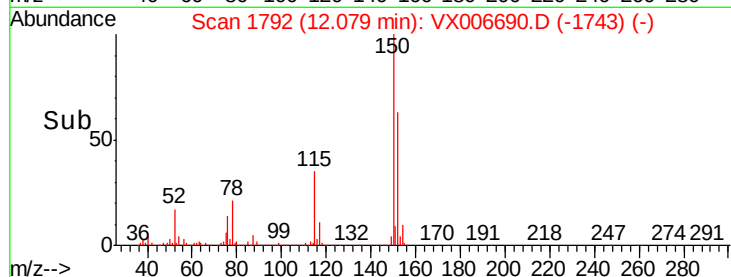
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX006690.D
 Acq: 20 Dec 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	39.1	117.2
150	158.0	0.0	344.8

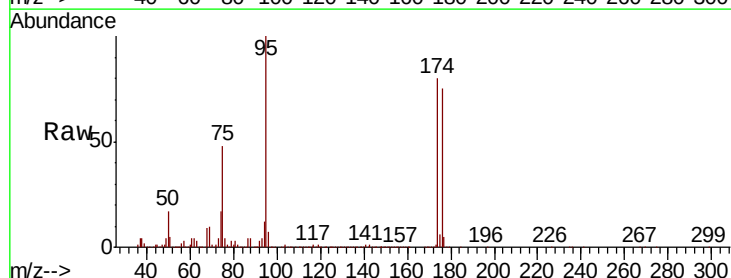


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

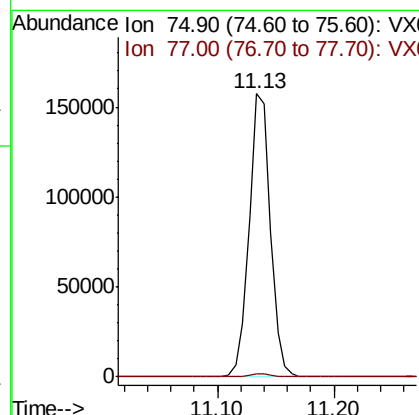
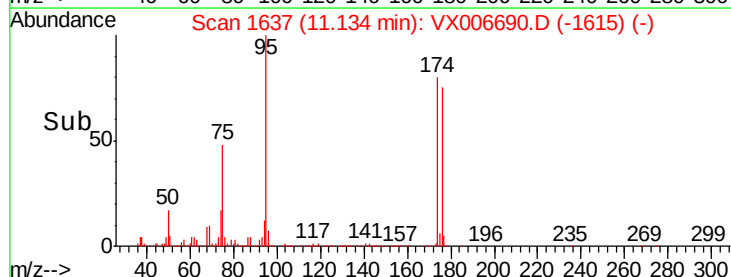


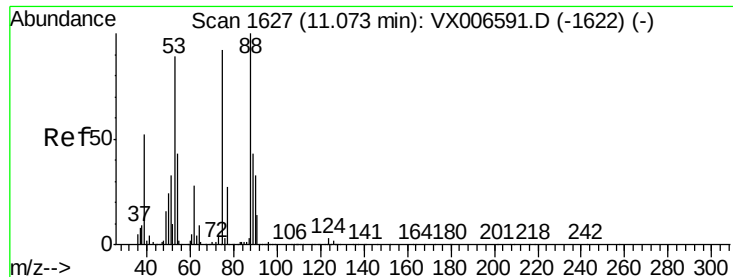
#76
 1,2,3-Trichloropropane
 Concen: 24.639 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006690.D
 Acq: 20 Dec 2018 22:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.5	55.5#



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: 72.868 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006690.D

Acq: 20 Dec 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

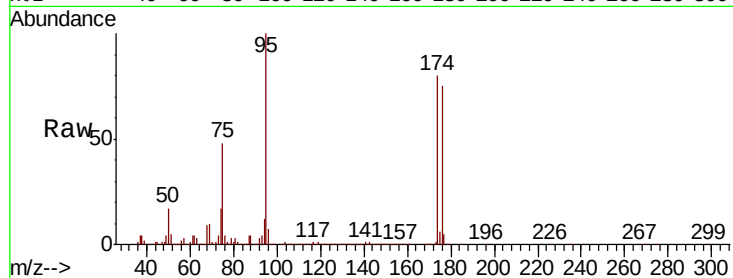
Tot Ion: 75 Resp: 201600

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#



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

11.13

200000

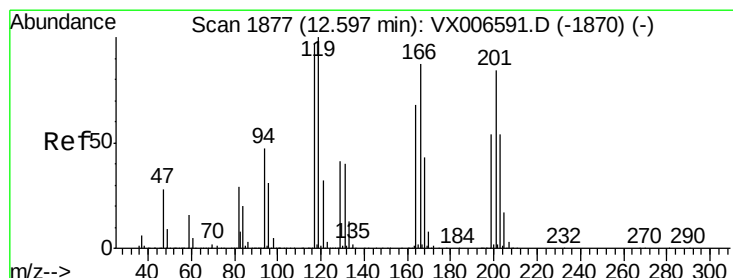
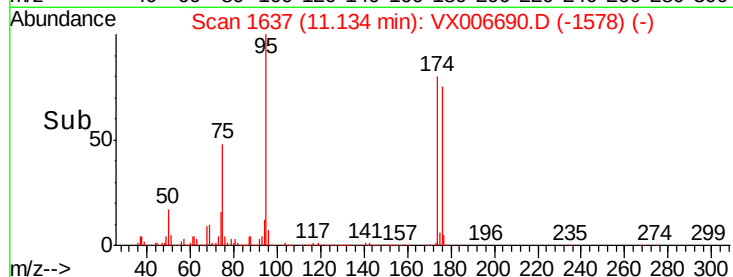
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 3.307 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006690.D

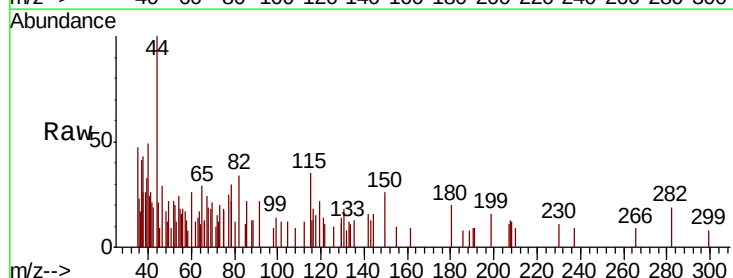
Acq: 20 Dec 2018 22:27

Tgt Ion: 117 Resp: 64

Ion Ratio Lower Upper

117 100

201 114.1 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

12.60

120

100

80

60

40

20

0

Time-->

