

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102518\
 Data File : VX005596.D
 Acq On : 25 Oct 2018 18:16
 Operator : JC/MD
 Sample : J5677-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0010

Quant Time: Oct 26 05:24:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	292475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125462	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	129433	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	5.51	113	101606	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	8.71	98	353998	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.14	95	115328	42.92	ug/l	0.00
Spiked Amount			Recovery	=	85.84%	

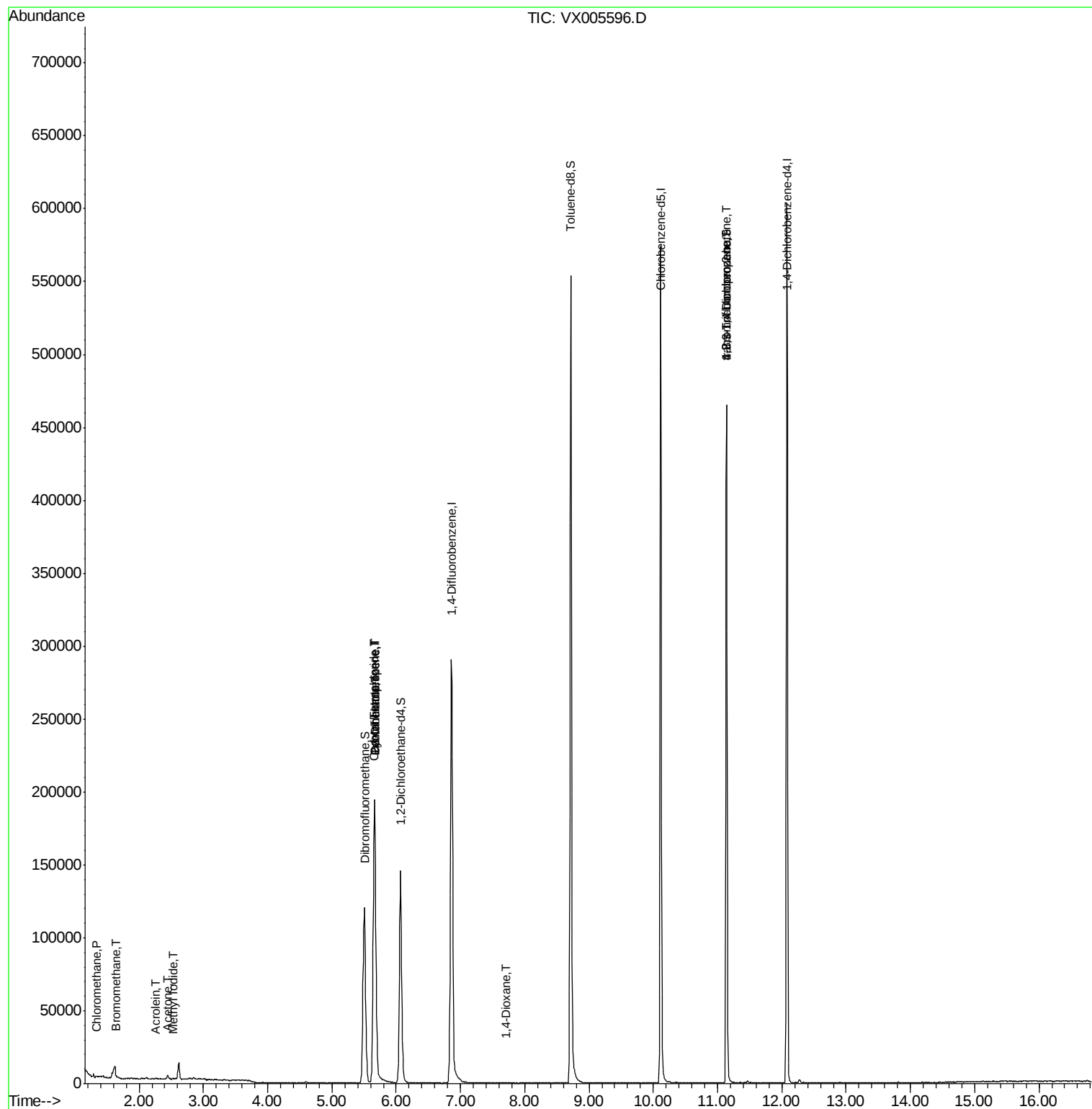
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	779	0.315	ug/l	94
5) Bromomethane	1.65	94	314	0.208	ug/l #	41
10) Methyl Iodide	2.52	142	144	2.793	ug/l #	39
13) Acrolein	2.25	56	73	0.222	ug/l #	14
16) Acetone	2.45	43	2996	2.363	ug/l #	85
18) Methyl Acetate	2.78	43	490	Below Cal	#	65
31) Cyclohexane	5.66	56	3832	1.185	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14017	4.938	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18878	6.315	ug/l #	15
49) 1,4-Dioxane	7.71	88	21	0.363	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	58553	22.027	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	58553	71.974	ug/l #	9

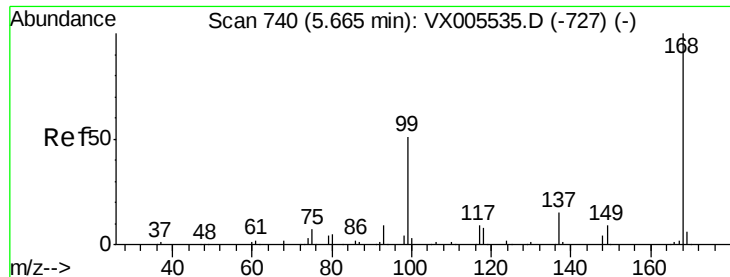
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

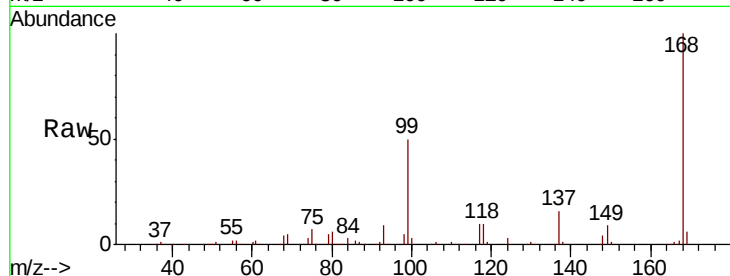
S37-0010

Tot Ion:168 Resp: 196567

Ion Ratio Lower Upper

168 100

99 50.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

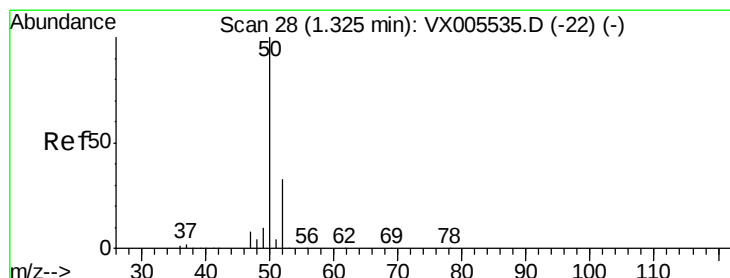
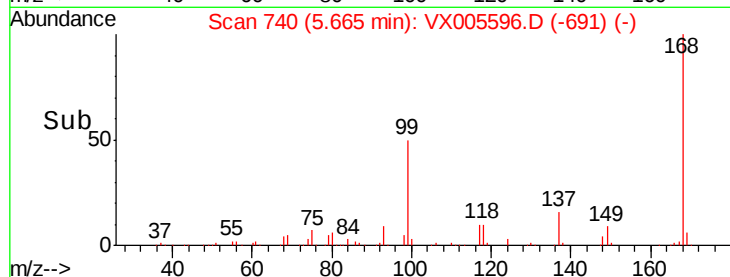
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.315 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005596.D

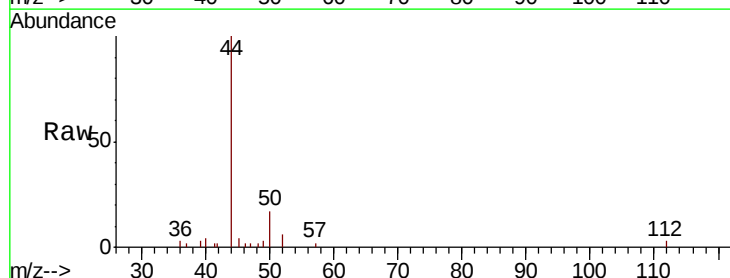
Acq: 25 Oct 2018 18:16

Tgt Ion: 50 Resp: 779

Ion Ratio Lower Upper

50 100

52 36.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

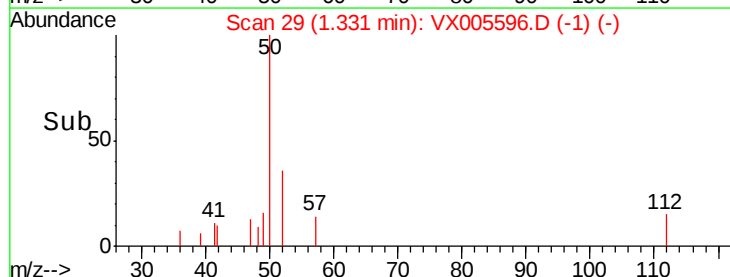
300

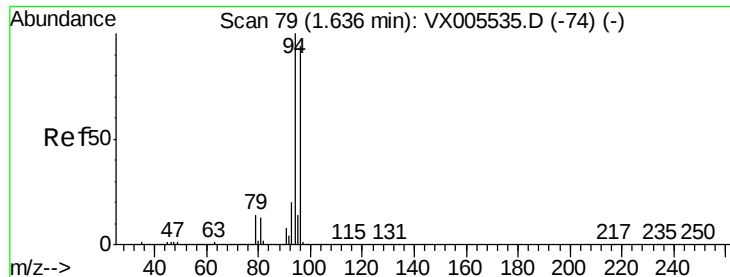
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

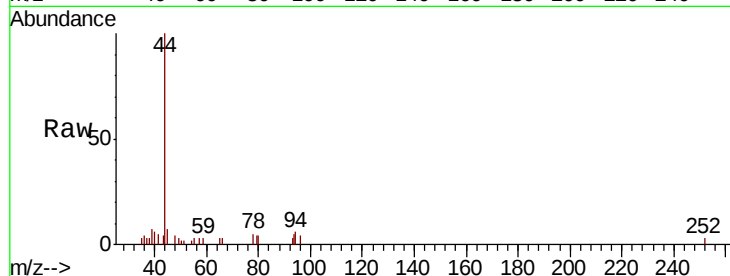
S37-0010

Tot Ion: 94 Resp: 314

Ion Ratio Lower Upper

94 100

96 37.1 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

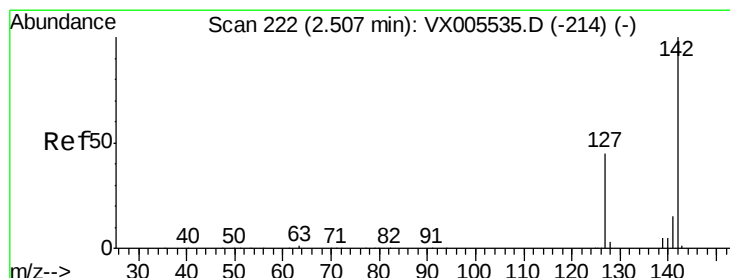
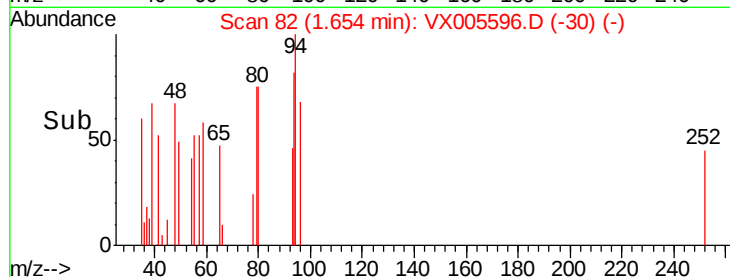
150

100

50

0

Time--> 1.60 1.65



#10

Methyl Iodide

Concen: 2.793 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

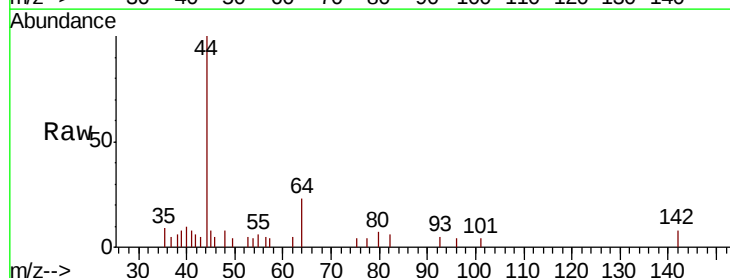
Tgt Ion: 142 Resp: 144

Ion Ratio Lower Upper

142 100

127 0.0 36.0 54.0#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

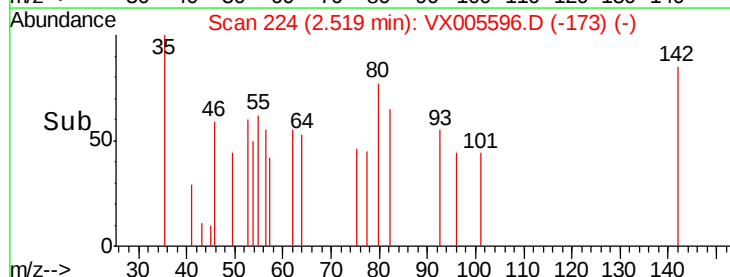
Ion 140.80 (140.50 to 141.50): V

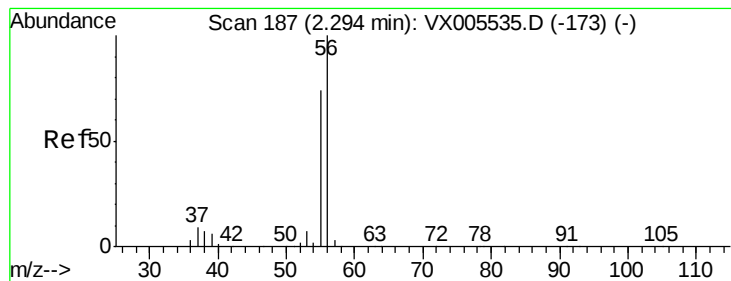
100

50

0

Time--> 2.50 2.55





#13

Acrolein

Concen: 0.222 ug/l

RT: 2.25 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

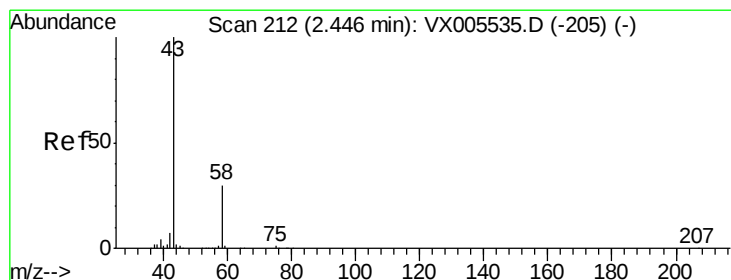
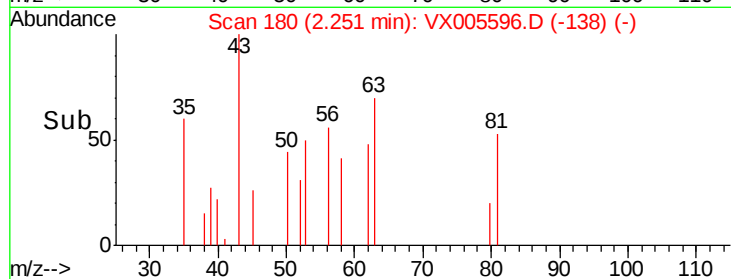
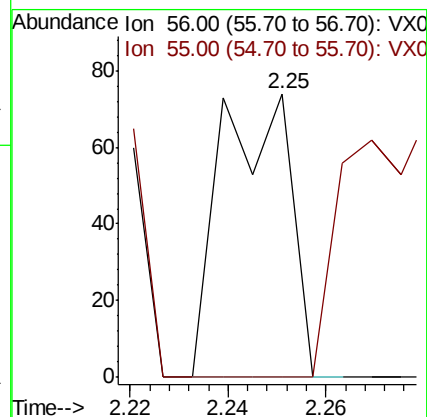
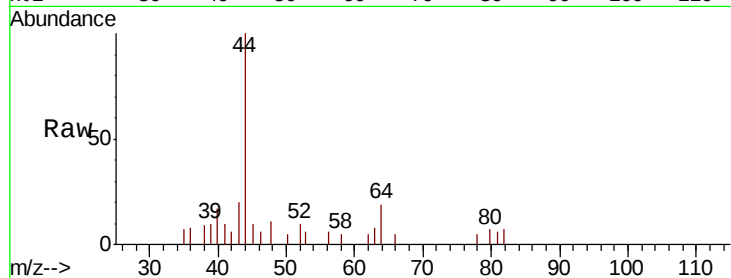
S37-0010

Tot Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 0.0 57.3 85.9#



#16

Acetone

Concen: 2.363 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005596.D

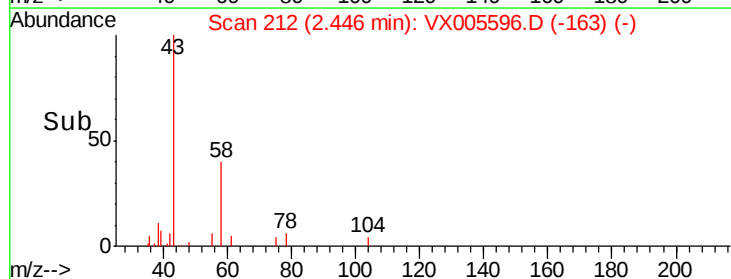
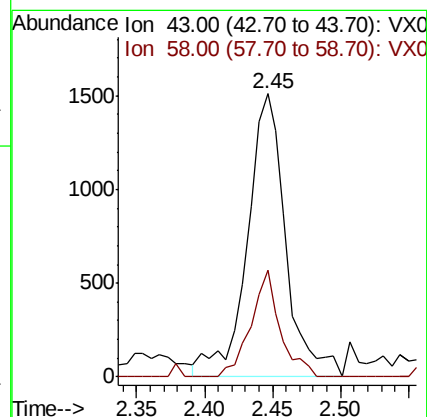
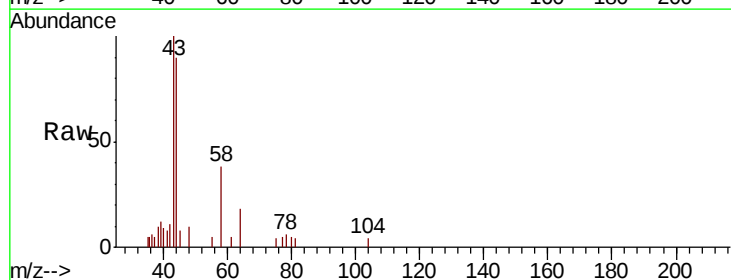
Acq: 25 Oct 2018 18:16

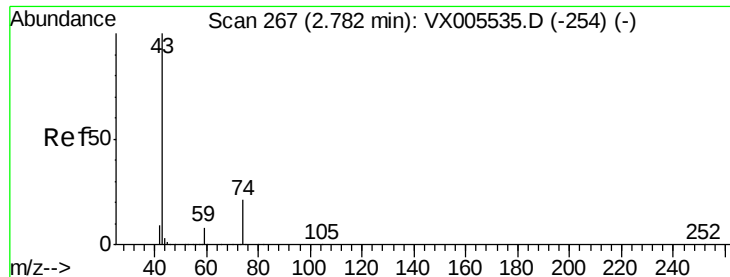
Tgt Ion: 43 Resp: 2996

Ion Ratio Lower Upper

43 100

58 37.5 23.8 35.6#

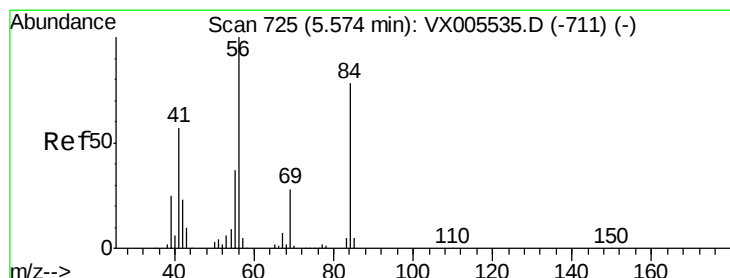
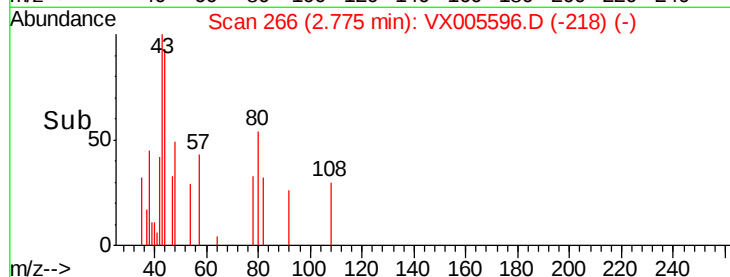
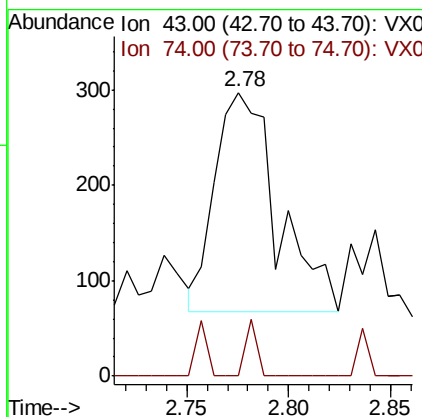
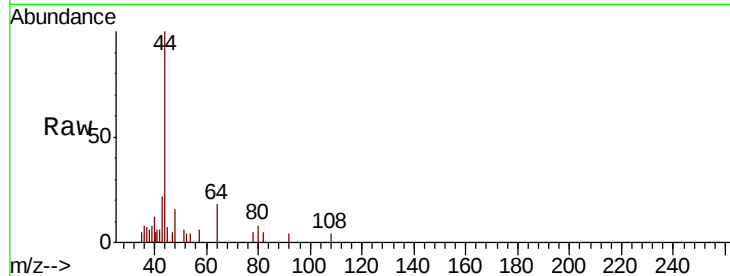




#18
Methvl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005596.D
Acq: 25 Oct 2018 18:16

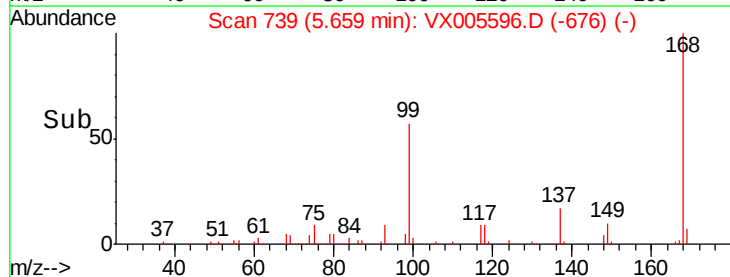
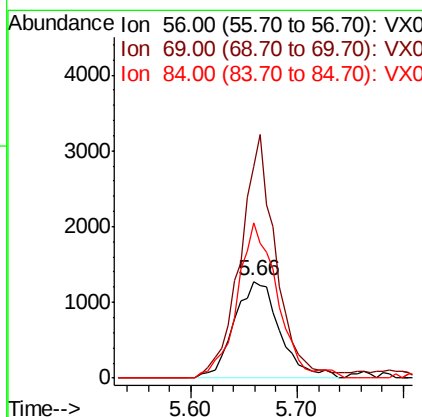
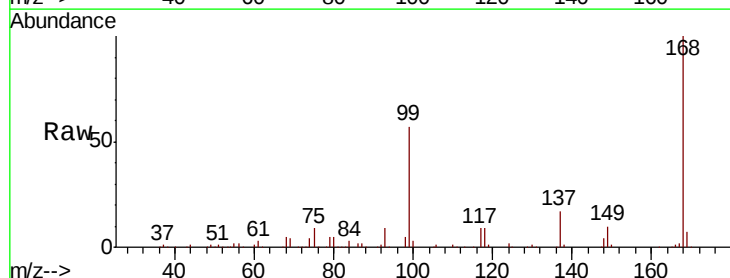
Instrument :
MSVOA_X
ClientSampleId :
S37-0010

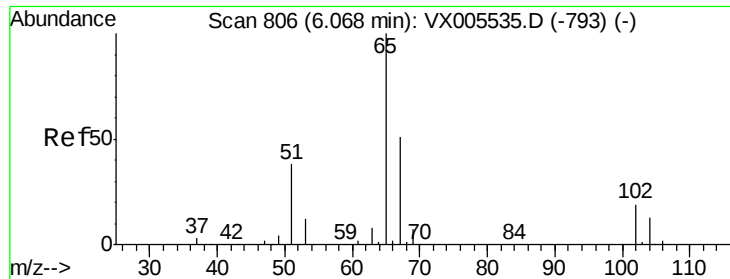
Tot Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
74 4.5 16.8 25.2#



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005596.D
Acq: 25 Oct 2018 18:16

Tgt Ion: 56 Resp: 3832
Ion Ratio Lower Upper
56 100
69 218.1 22.6 34.0#
84 159.7 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 53.942 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

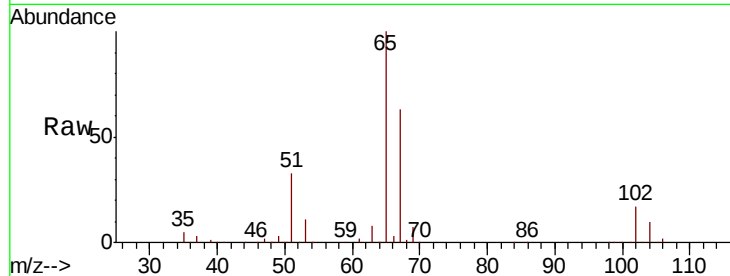
S37-0010

Tot Ion: 65 Resp: 129433

Ion Ratio Lower Upper

65 100

67 55.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

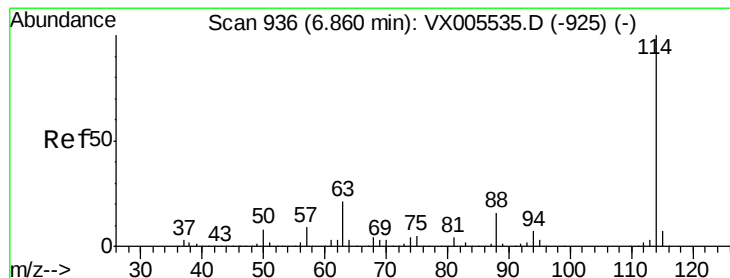
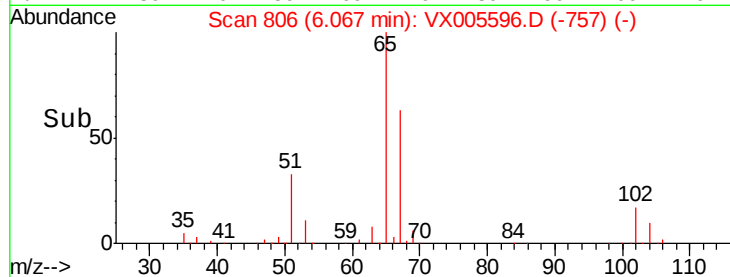
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

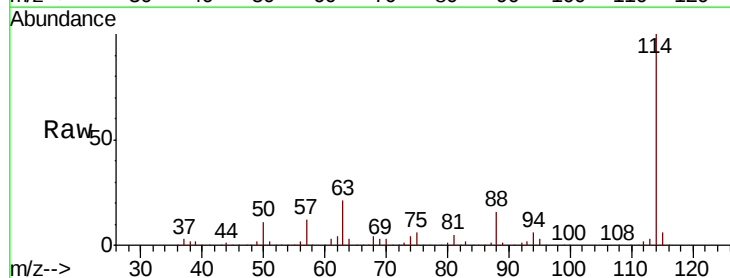
Tgt Ion: 114 Resp: 292475

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 16.0 0.0 31.2



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

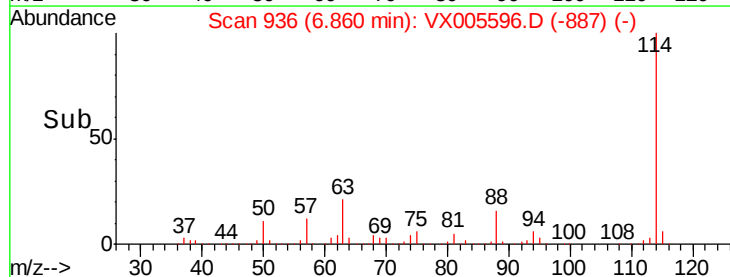
150000

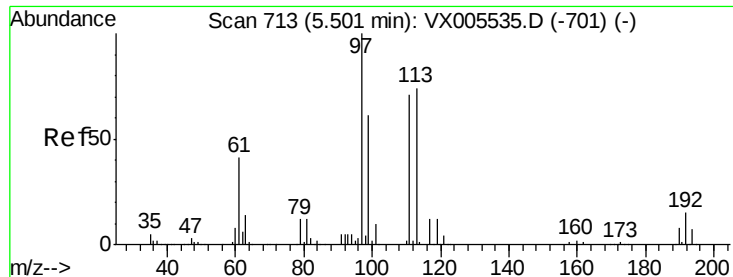
100000

50000

0

Time--> 6.80 7.00





#35

Dibromofluoromethane

Concen: 51.306 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

S37-0010

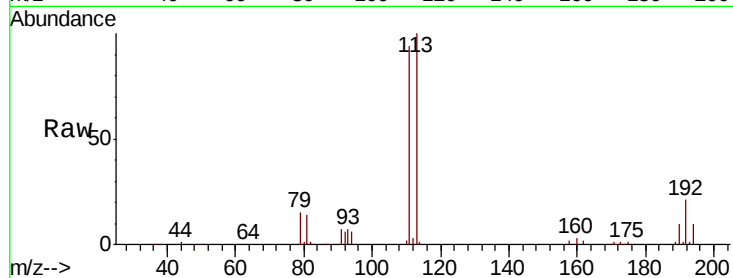
Tot Ion:113 Resp: 101606

Ion Ratio Lower Upper

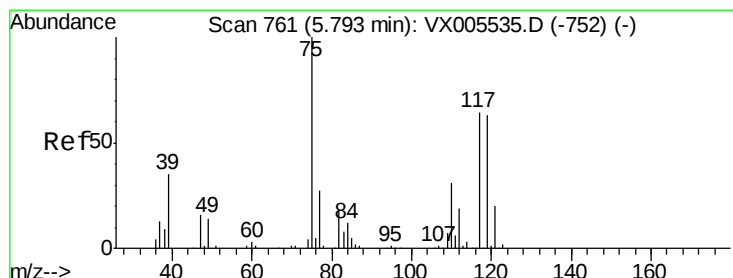
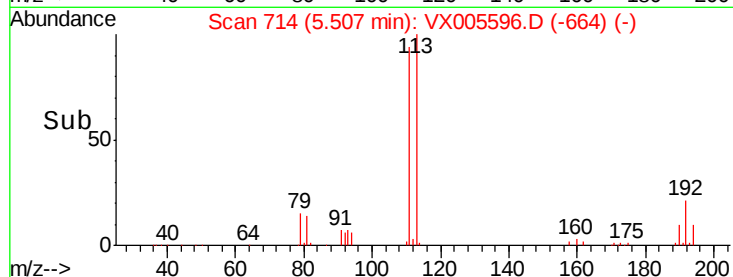
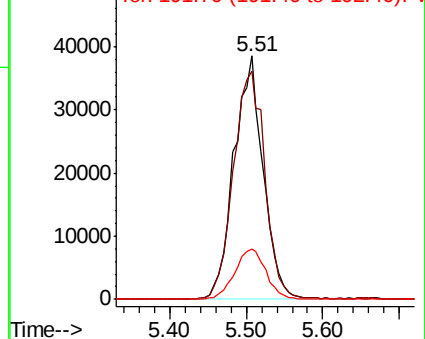
113 100

111 101.2 82.3 123.5

192 22.3 17.9 26.9



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: 4.938 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

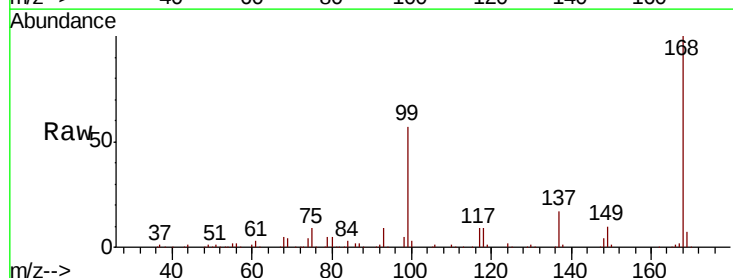
Tgt Ion: 75 Resp: 14017

Ion Ratio Lower Upper

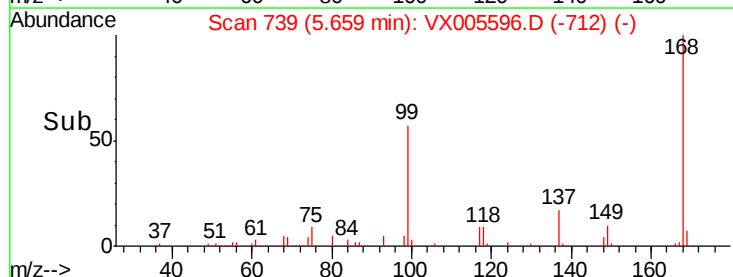
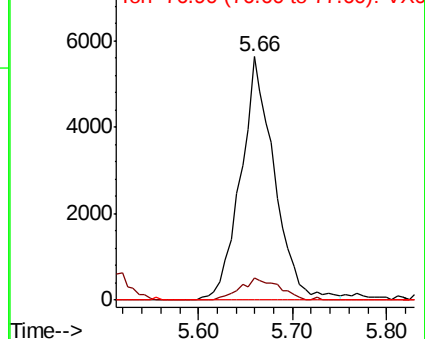
75 100

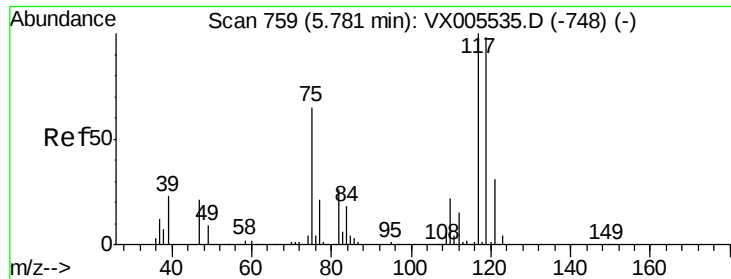
110 10.3 17.4 52.2#

77 0.0 25.8 38.6#



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

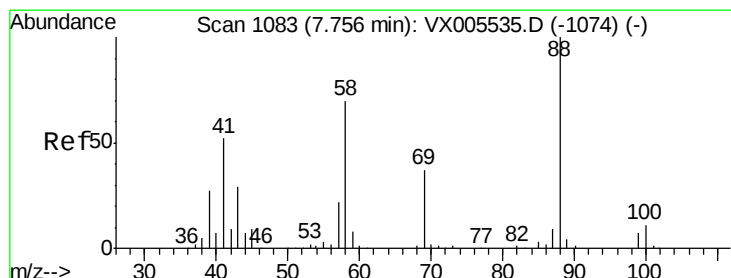
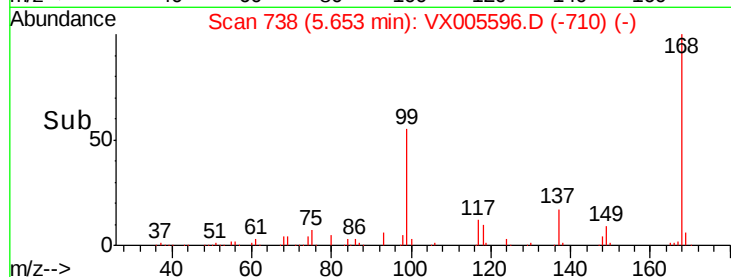
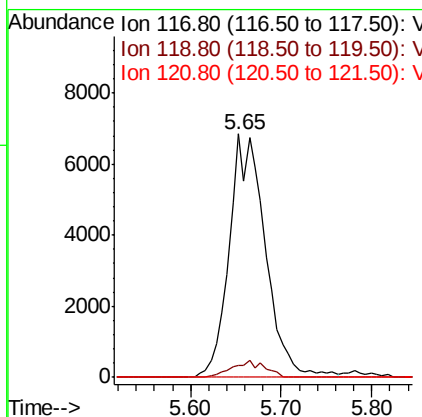
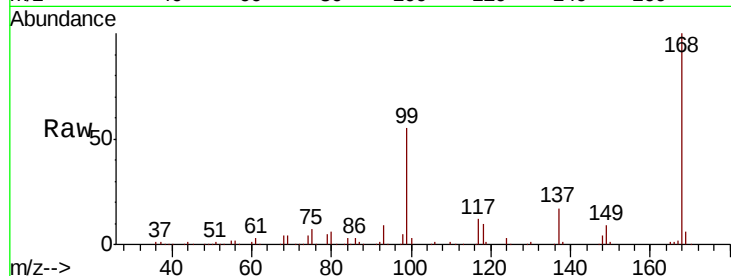




#38
 Carbon Tetrachloride
 Concen: 6.315 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX005596.D
 Acq: 25 Oct 2018 18:16

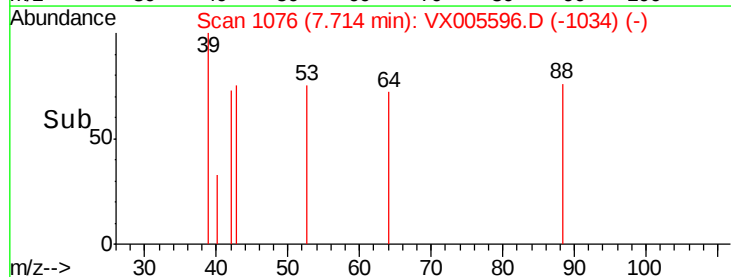
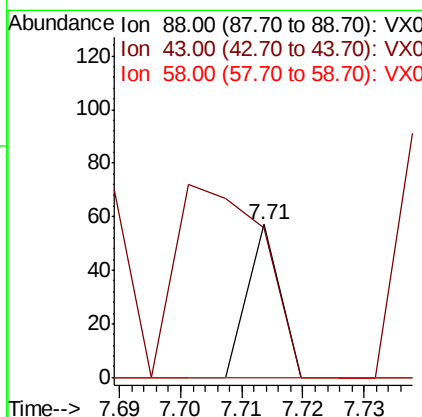
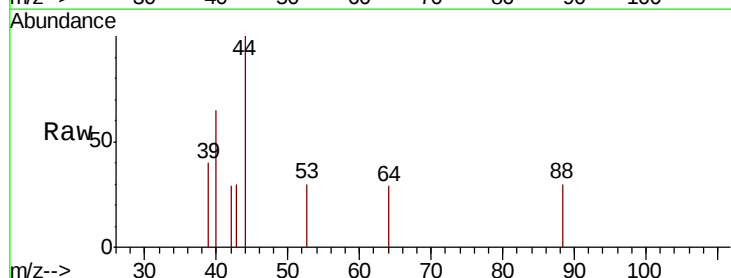
Instrument :
 MSVOA_X
 ClientSampled :
 S37-0010

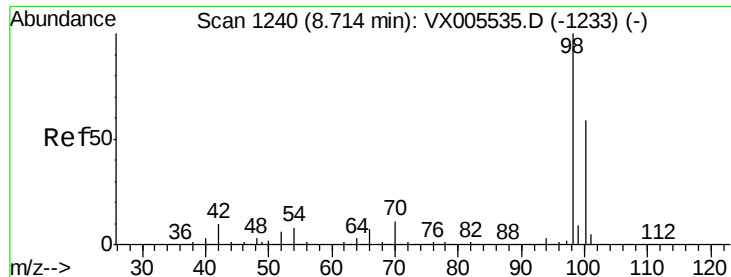
Tot Ion: 117 Resp: 18878
 Ion Ratio Lower Upper
 117 100
 119 4.9 78.1 117.1#
 121 0.0 24.6 36.8#



#49
 1,4-Dioxane
 Concen: 0.363 ug/l
 RT: 7.71 min Scan# 1076
 Delta R.T. -0.04 min
 Lab File: VX005596.D
 Acq: 25 Oct 2018 18:16

Tgt Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 338.1 27.4 41.0#
 58 0.0 59.4 89.2#





#50

Toluene-d8

Concen: 49.747 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

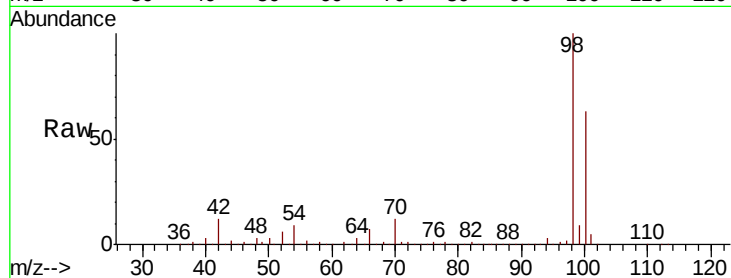
S37-0010

Tot Ion: 98 Resp: 353998

Ion Ratio Lower Upper

98 100

100 62.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

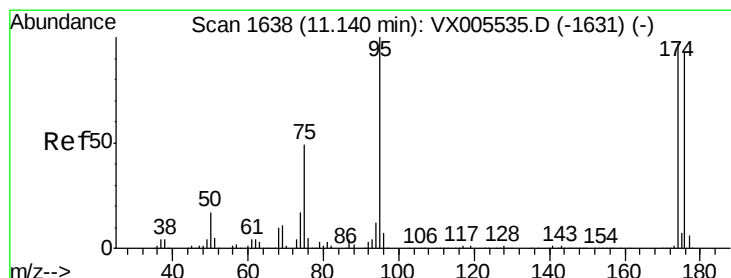
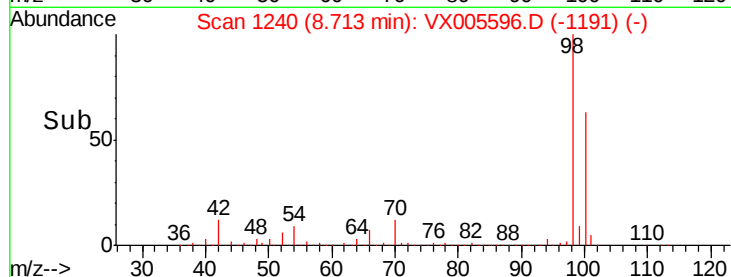
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 42.916 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

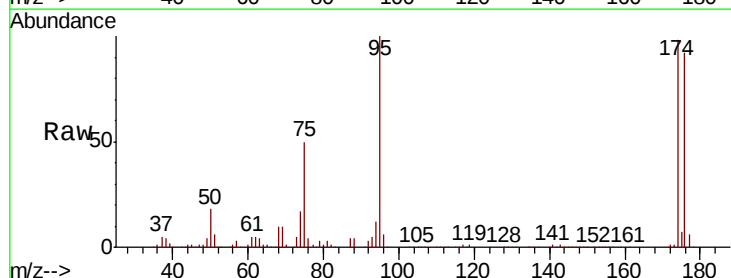
Tgt Ion: 95 Resp: 115328

Ion Ratio Lower Upper

95 100

174 94.2 0.0 184.4

176 90.0 0.0 177.4



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

120000

100000

80000

60000

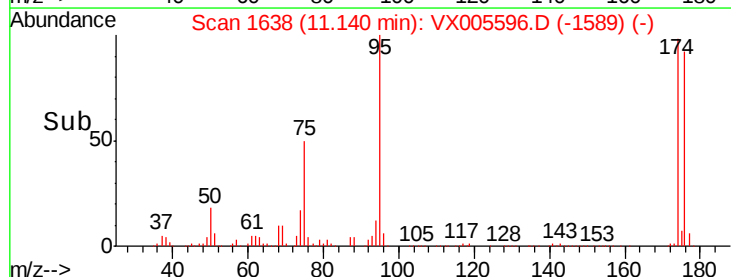
40000

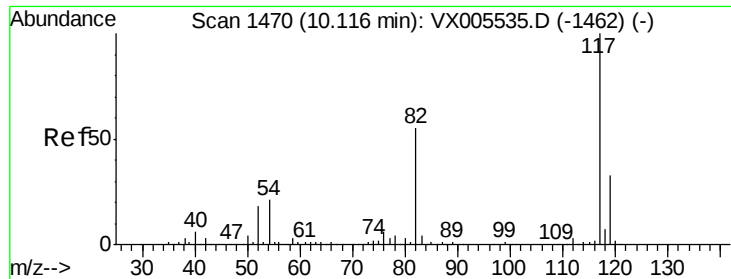
20000

0

Time-->

11.10 11.20

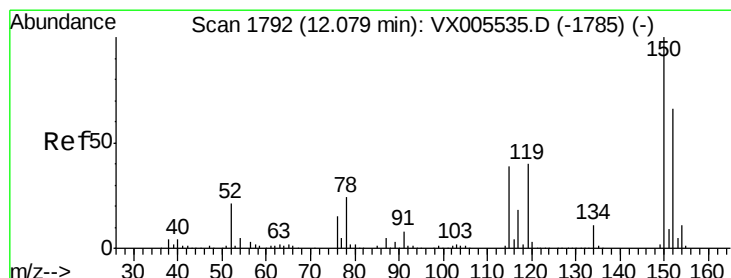
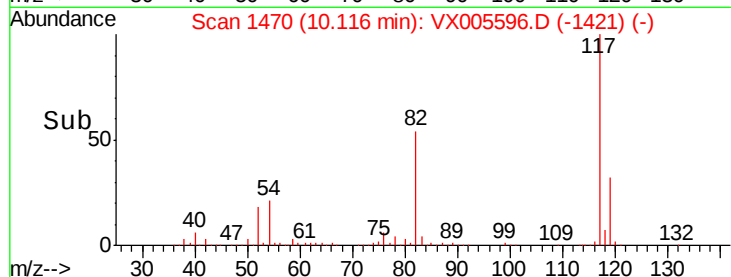
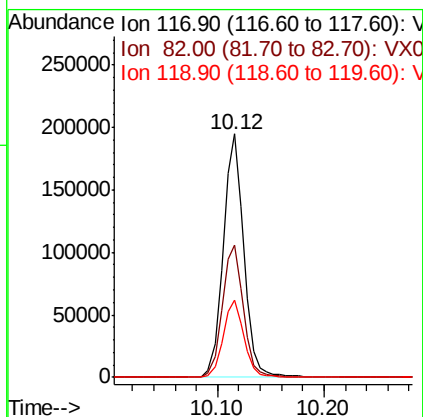
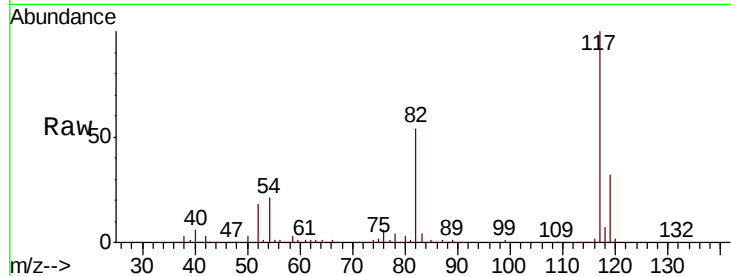




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005596.D
Acq: 25 Oct 2018 18:16

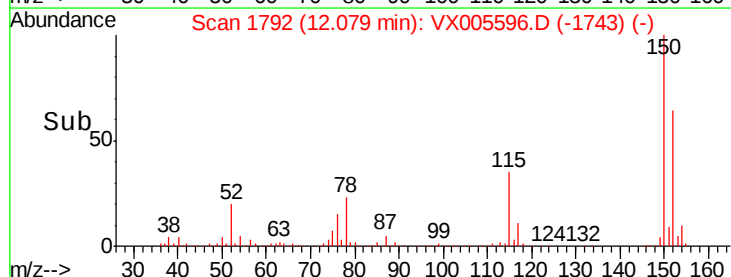
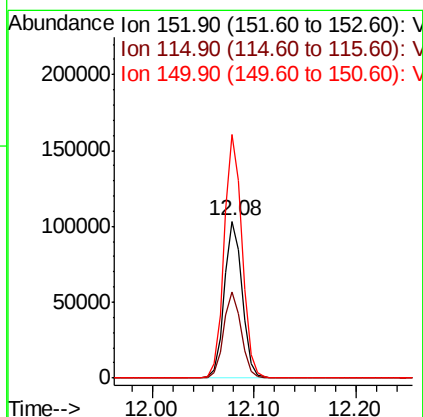
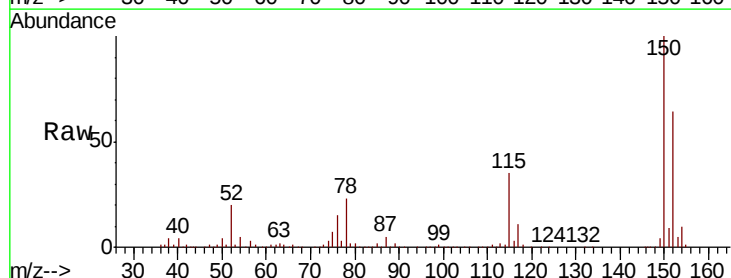
Instrument :
MSVOA_X
ClientSampled :
S37-0010

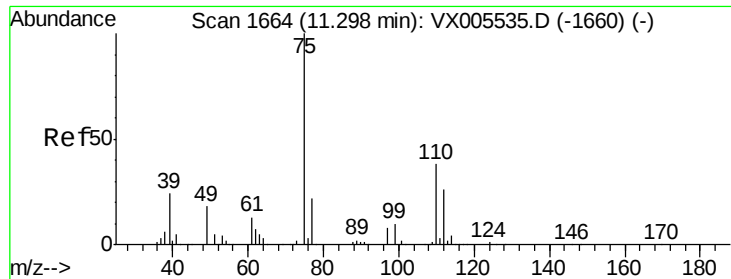
Tot Ion:117 Resp: 263927
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005596.D
Acq: 25 Oct 2018 18:16

Tgt Ion:152 Resp: 125462
Ion Ratio Lower Upper
152 100
115 54.5 39.4 118.1
150 155.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.027 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

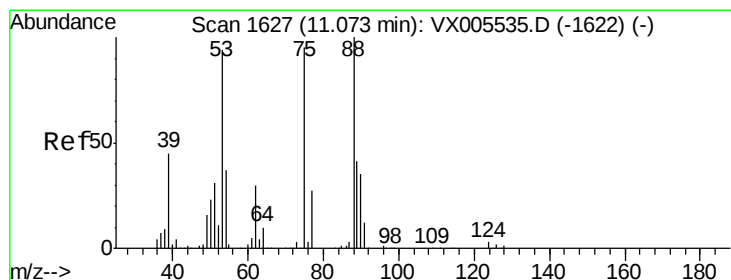
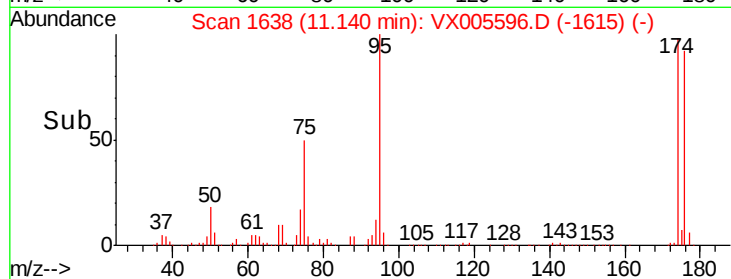
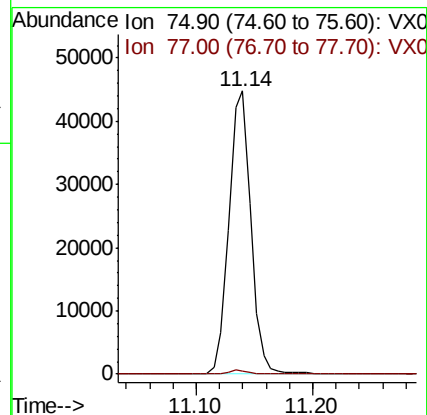
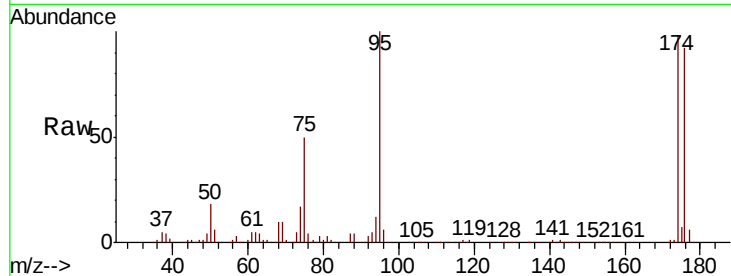
S37-0010

Tot Ion: 75 Resp: 58553

Ion Ratio Lower Upper

75 100

77 1.5 20.5 61.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.974 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005596.D

Acq: 25 Oct 2018 18:16

Tgt Ion: 75 Resp: 58553

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

