

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
 Data File : VX005573.D
 Acq On : 25 Oct 2018 06:17
 Operator : JC/MD
 Sample : J5655-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0009

Quant Time: Oct 25 08:06:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	203606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131145	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	131917	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
35) Dibromofluoromethane	5.50	113	103219	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
50) Toluene-d8	8.71	98	369568	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.14	95	120300	43.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.76%	

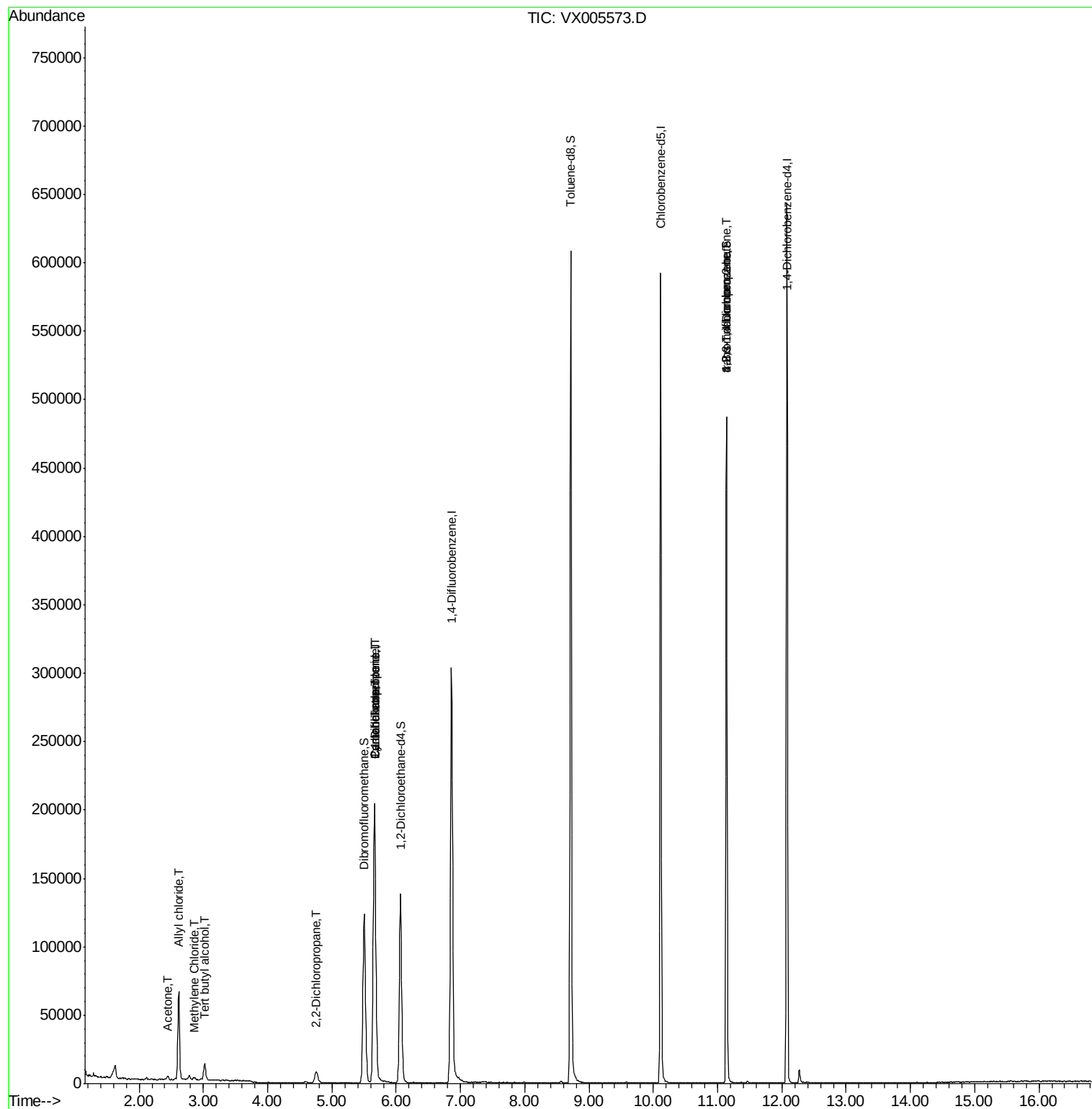
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	7402	11.067	ug/l #	74
14) Allyl chloride	2.61	41	6536	1.532	ug/l #	52
16) Acetone	2.44	43	3836	2.921	ug/l	96
18) Methyl Acetate	2.78	43	3162	Below Cal		99
20) Methylene Chloride	2.86	84	641	0.291	ug/l #	82
26) 2,2-Dichloropropane	4.76	77	846	0.271	ug/l #	52
31) Cyclohexane	5.67	56	3864	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14712	5.080	ug/l #	49
38) Carbon Tetrachloride	5.67	117	19065	6.251	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	61078	22.865	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	61078	71.824	ug/l #	10

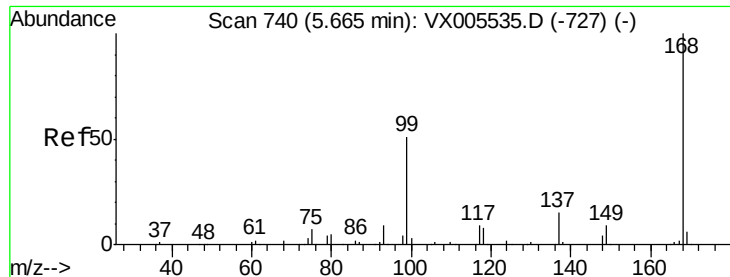
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005573.D

Acq: 25 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

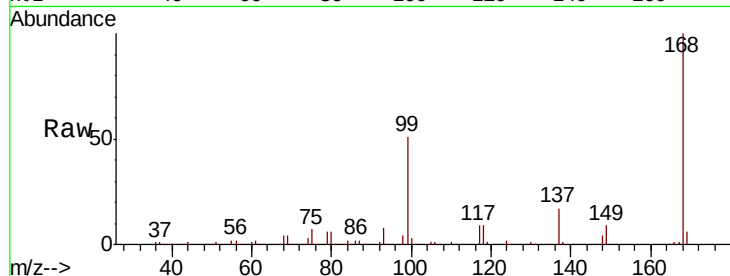
S37-0009

Tot Ion:168 Resp: 203606

Ion Ratio Lower Upper

168 100

99 50.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

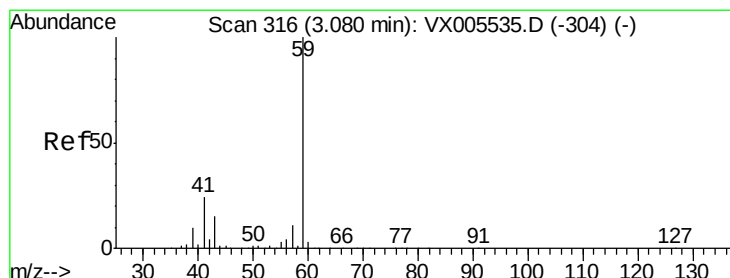
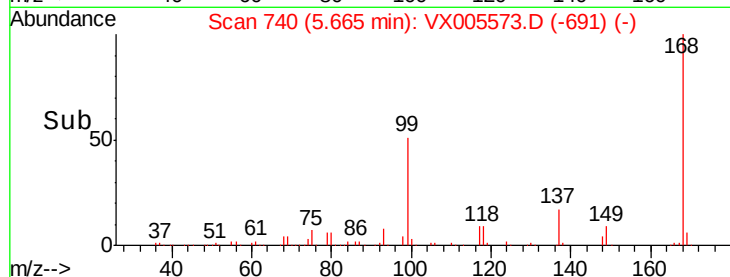
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 11.067 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005573.D

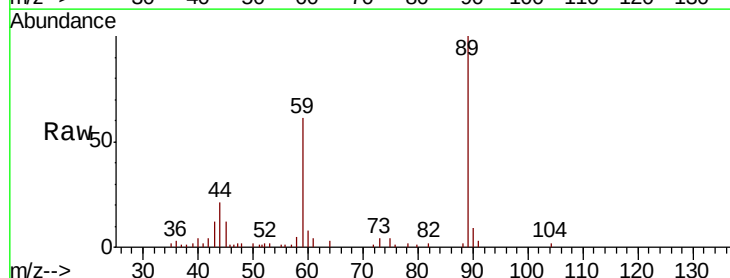
Acq: 25 Oct 2018 06:17

Tgt Ion: 59 Resp: 7402

Ion Ratio Lower Upper

59 100

57 0.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

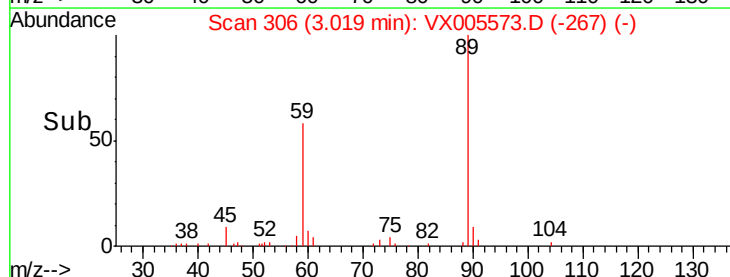
3000

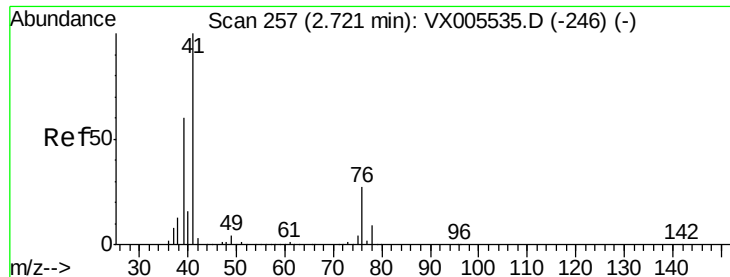
2000

1000

0

Time--> 2.90 3.00 3.10

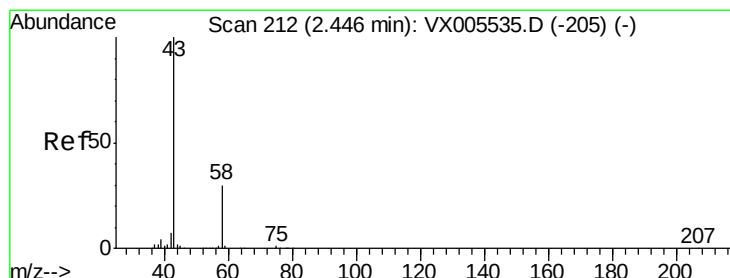
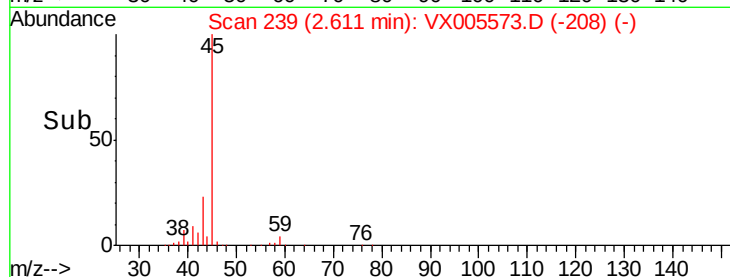
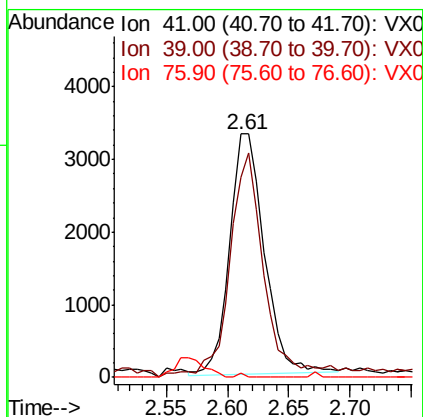
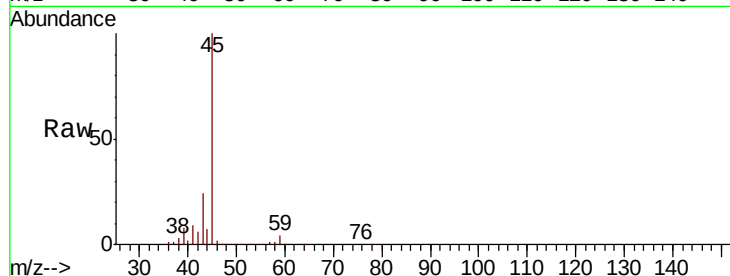




#14
 Allvl chloride
 Concen: 1.532 ug/l
 RT: 2.61 min Scan# 239
 Delta R.T. -0.11 min
 Lab File: VX005573.D
 Acq: 25 Oct 2018 06:17

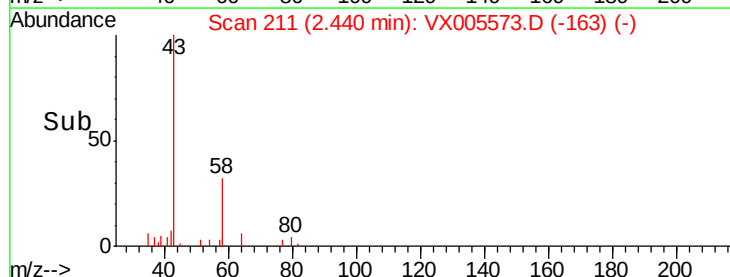
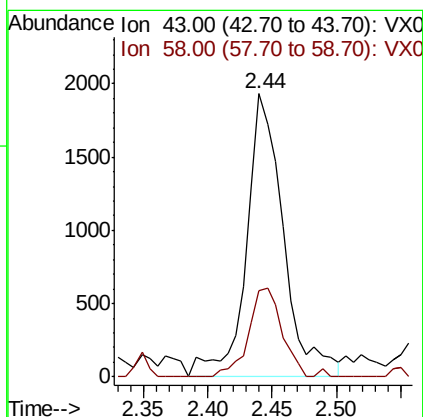
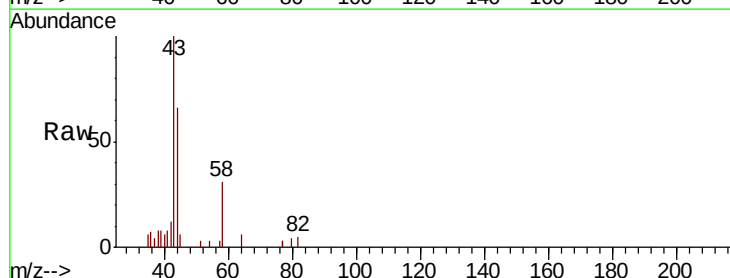
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0009

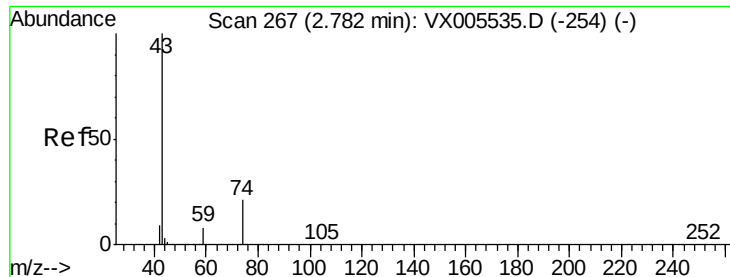
Tot Ion: 41 Resp: 6536
 Ion Ratio Lower Upper
 41 100
 39 94.1 48.9 73.3#
 76 0.3 26.7 40.1#



#16
 Acetone
 Concen: 2.921 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005573.D
 Acq: 25 Oct 2018 06:17

Tgt Ion: 43 Resp: 3836
 Ion Ratio Lower Upper
 43 100
 58 30.6 26.2 39.4

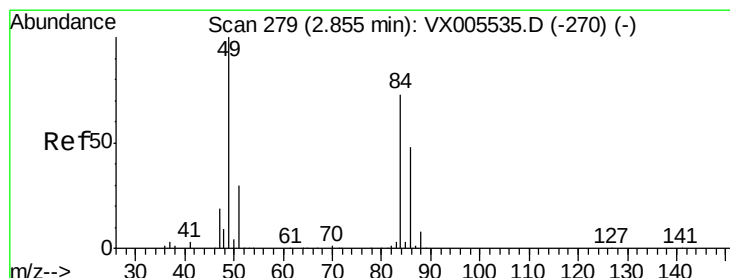
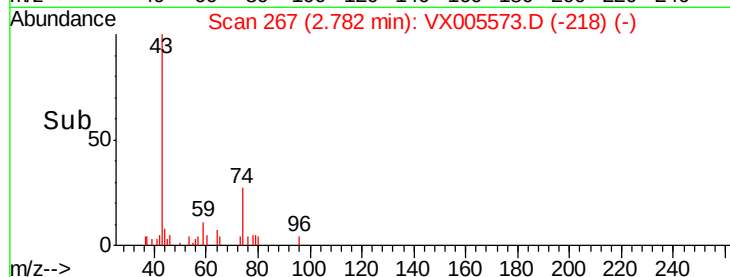
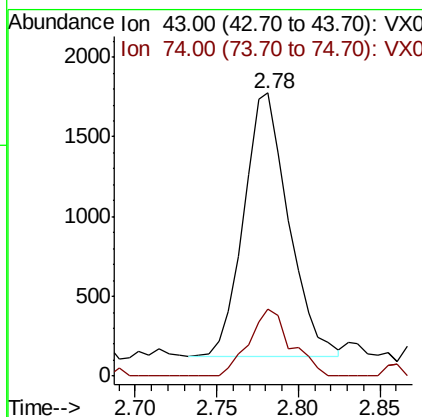
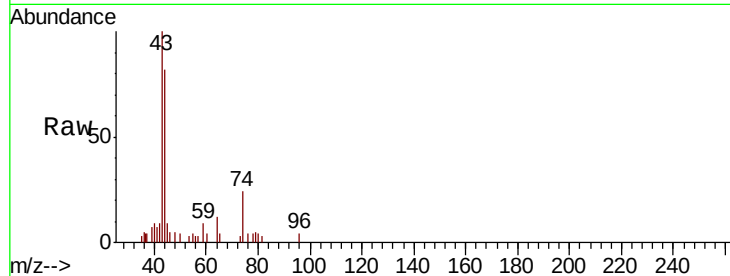




#18
Methvl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005573.D
Acq: 25 Oct 2018 06:17

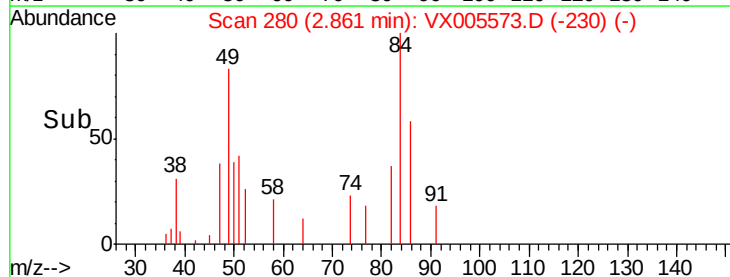
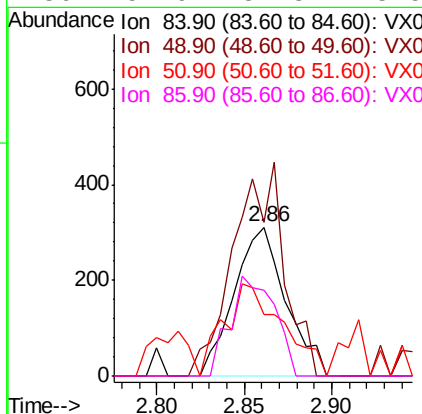
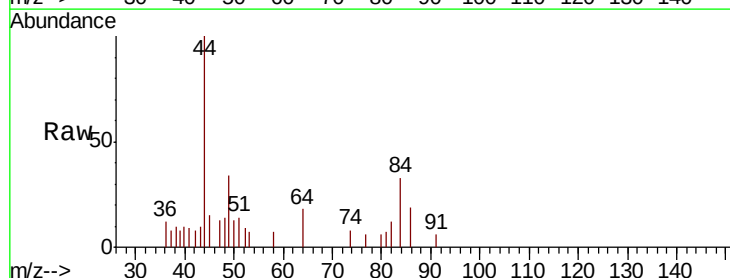
Instrument :
MSVOA_X
ClientSampleId :
S37-0009

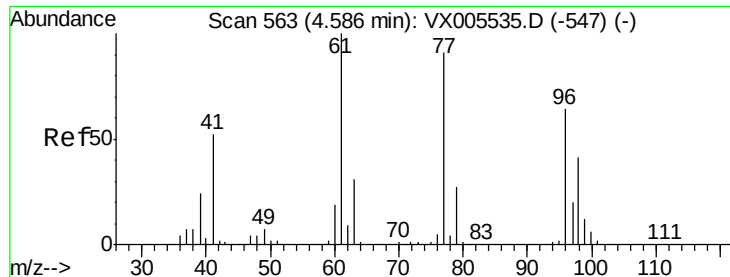
Tot Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005573.D
Acq: 25 Oct 2018 06:17

Tgt Ion: 84 Resp: 641
Ion Ratio Lower Upper
84 100
49 103.5 101.2 151.8
51 20.9 29.5 44.3#
86 57.9 52.3 78.5





#26

2,2-Dichloropropane

Concen: 0.271 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.17 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampled :

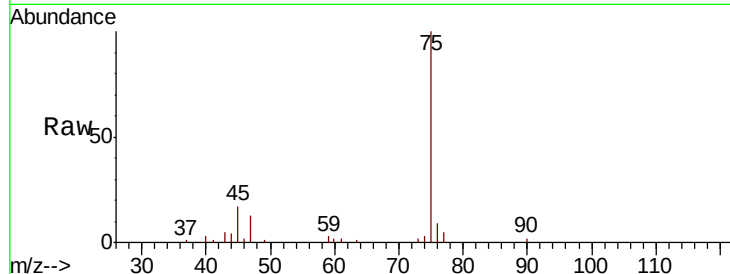
S37-0009

Tot Ion: 77 Resp: 846

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.76

250

200

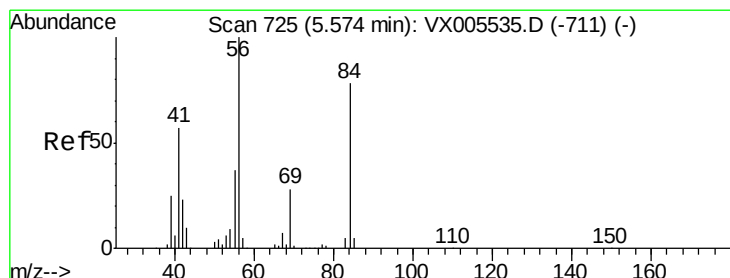
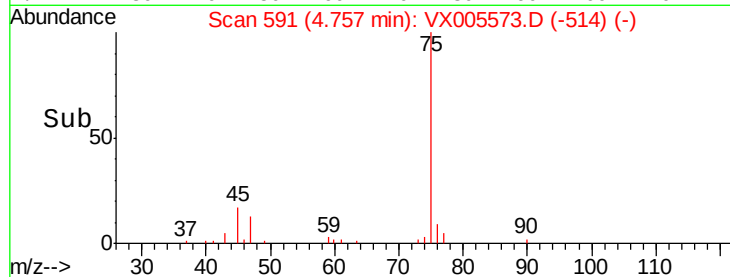
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

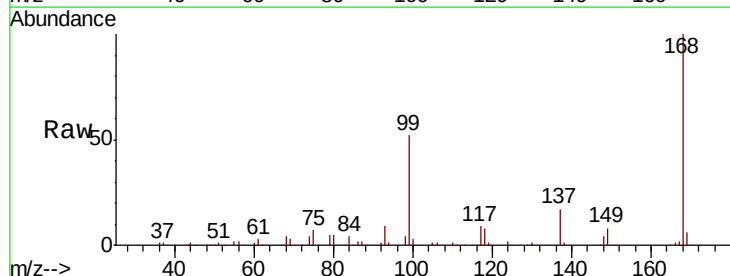
Tgt Ion: 56 Resp: 3864

Ion Ratio Lower Upper

56 100

69 155.2 25.4 38.2#

84 179.8 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

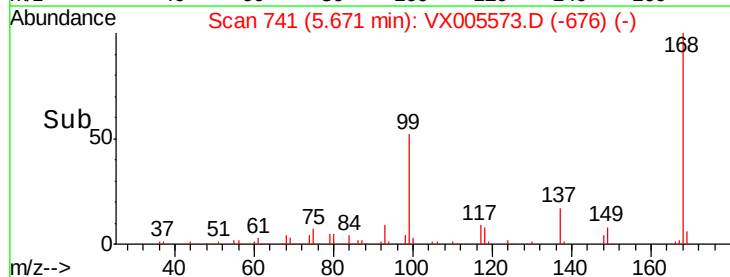
3000

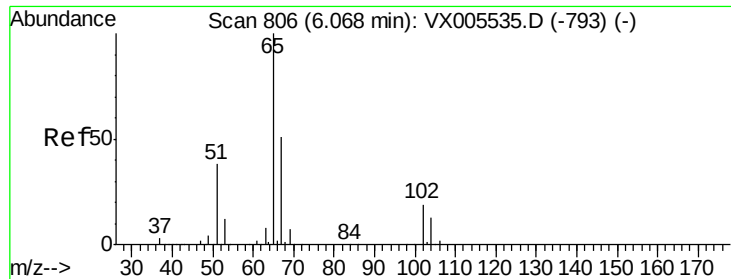
2000

1000

0

Time-->

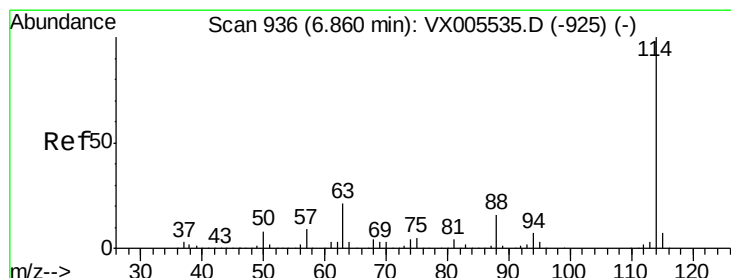
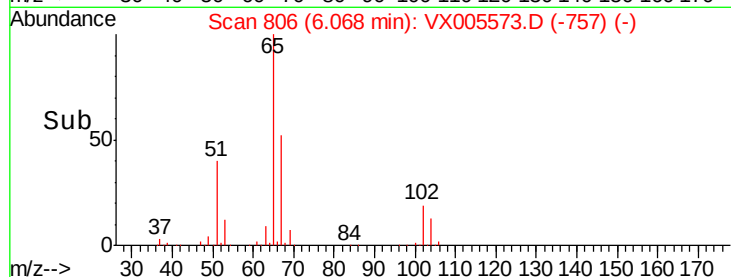
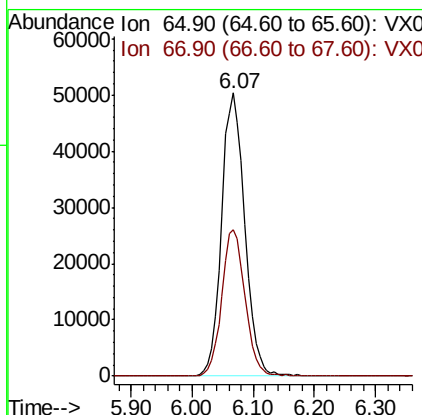
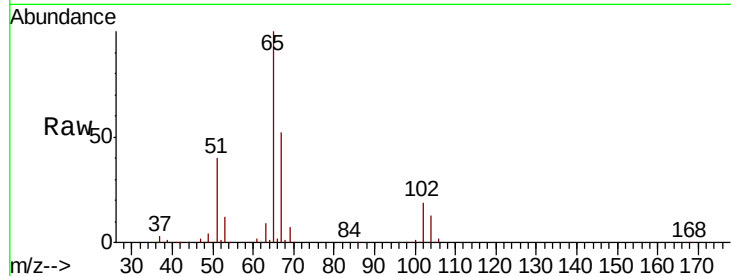




#33
 1,2-Dichloroethane-d4
 Concen: 53.077 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005573.D
 Acq: 25 Oct 2018 06:17

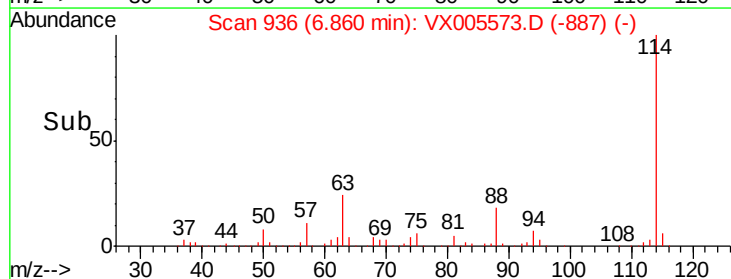
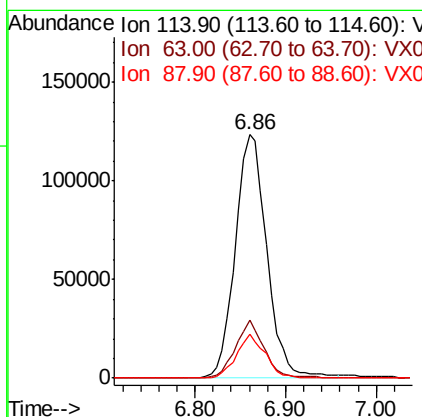
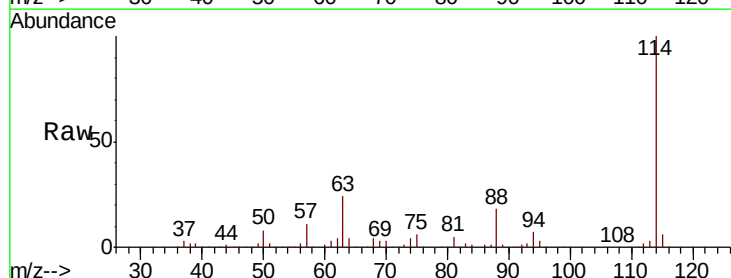
Instrument :
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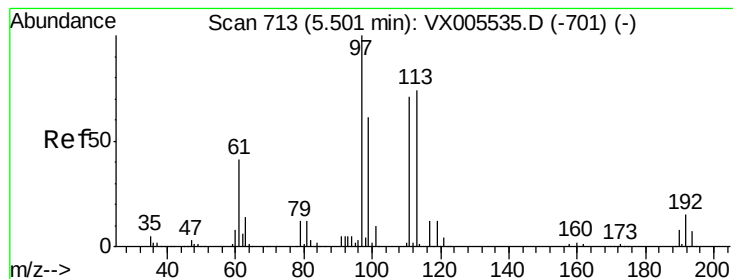
Tot Ion: 65 Resp: 131917
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005573.D
 Acq: 25 Oct 2018 06:17

Tgt Ion: 114 Resp: 298398
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 39.0
 88 18.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.086 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

S37-0009

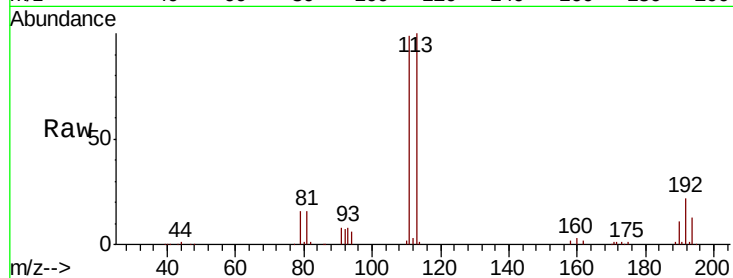
Tot Ion:113 Resp: 103219

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

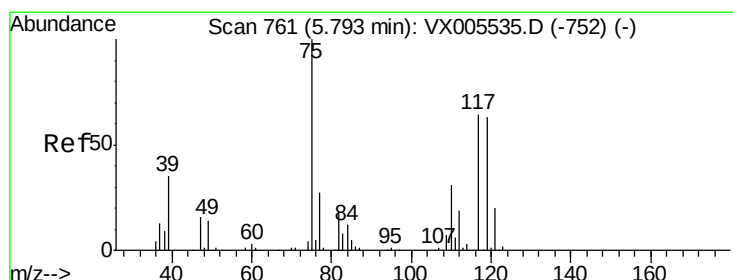
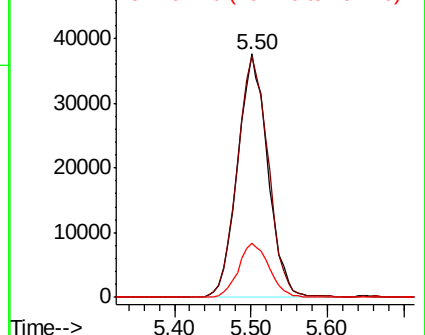
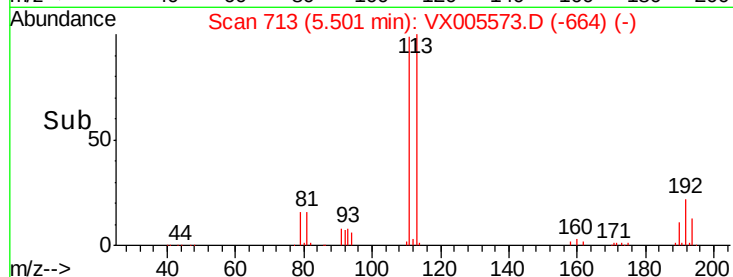
192 22.6 19.4 29.2



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: 5.080 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

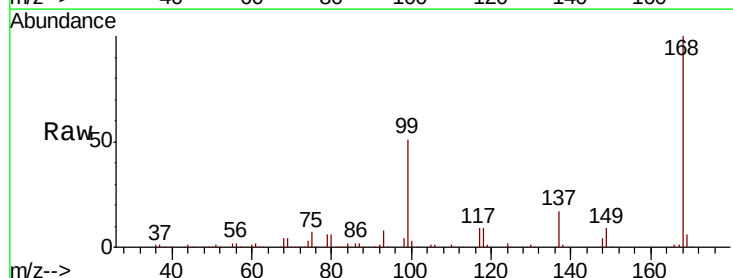
Tgt Ion: 75 Resp: 14712

Ion Ratio Lower Upper

75 100

110 8.8 18.0 54.0#

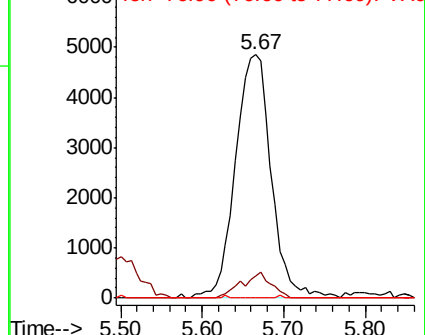
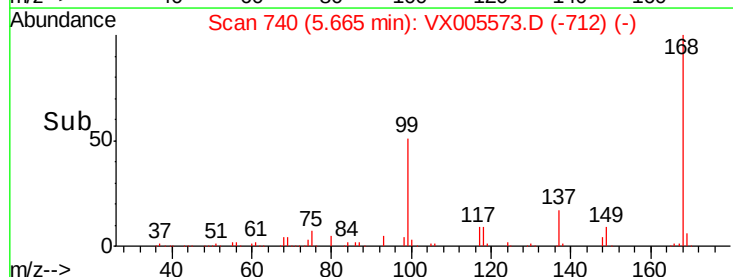
77 0.0 24.6 36.8#

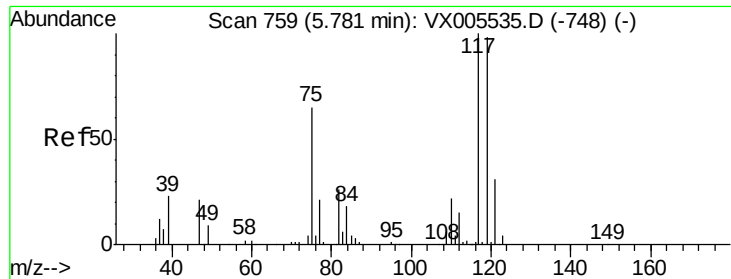


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.251 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

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S37-0009

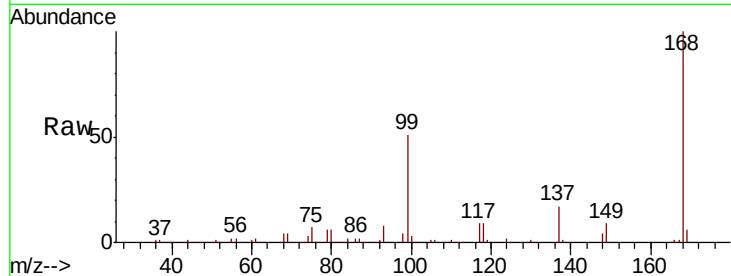
Tot Ion:117 Resp: 19065

Ion Ratio Lower Upper

117 100

119 7.9 78.8 118.2#

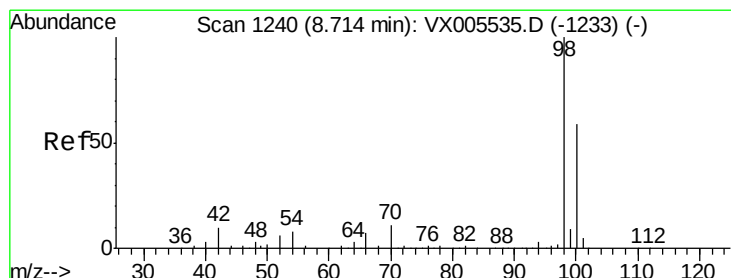
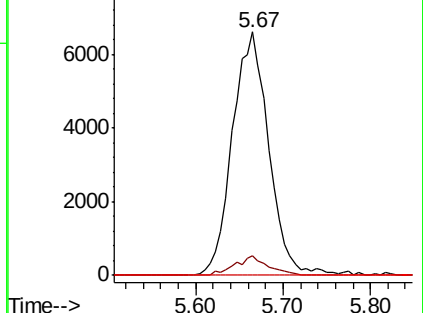
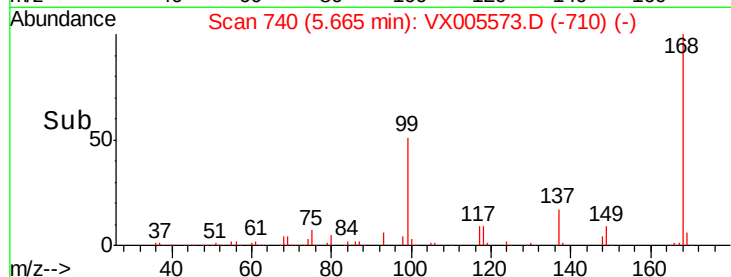
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.904 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005573.D

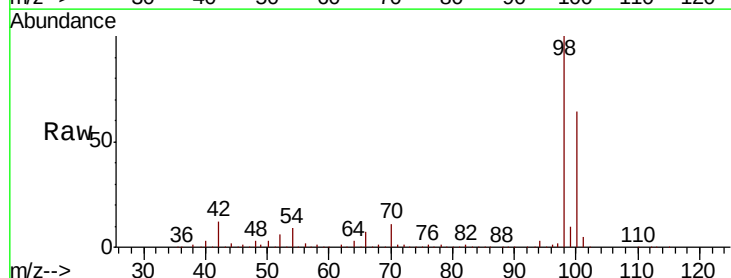
Acq: 25 Oct 2018 06:17

Tgt Ion: 98 Resp: 369568

Ion Ratio Lower Upper

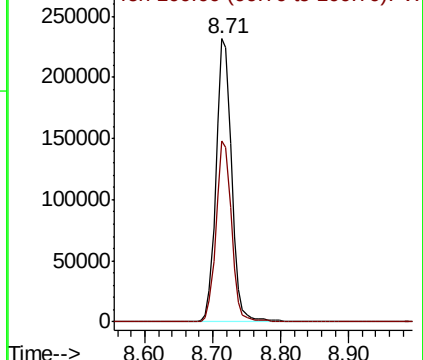
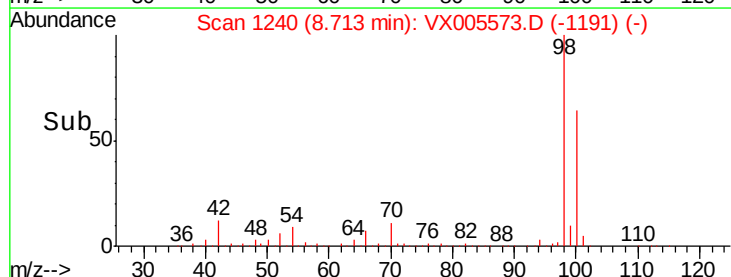
98 100

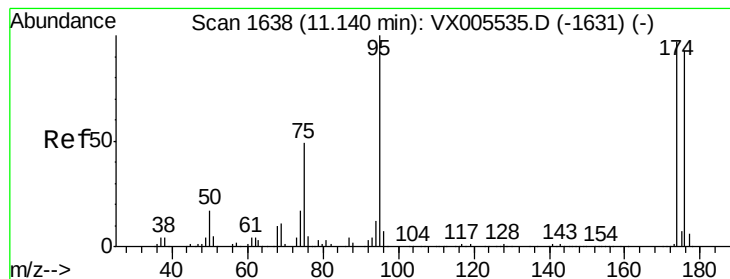
100 63.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.877 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

Instrument :

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ClientSampleId :

S37-0009

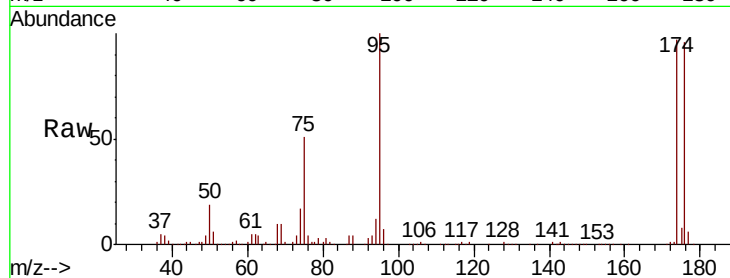
Tot Ion: 95 Resp: 120300

Ion Ratio Lower Upper

95 100

174 93.9 0.0 185.2

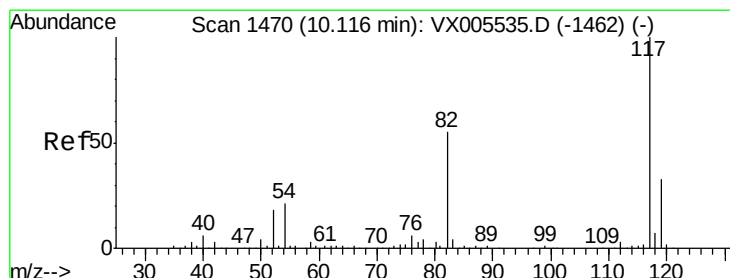
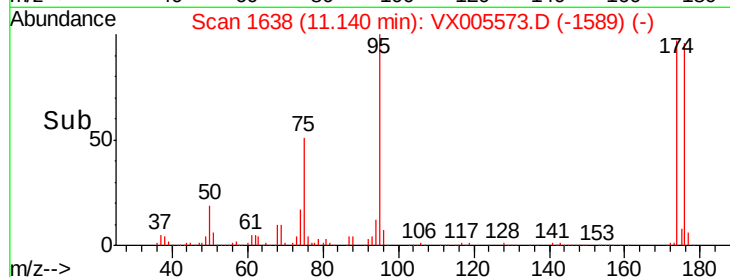
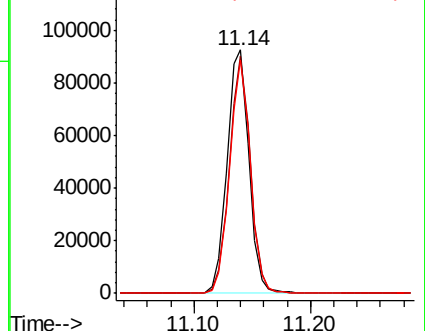
176 91.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005535.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005535.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005535.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

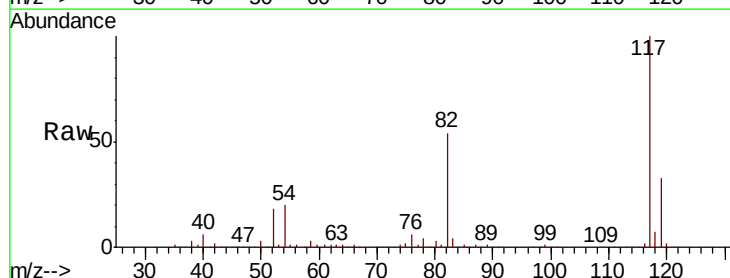
Tgt Ion: 117 Resp: 275532

Ion Ratio Lower Upper

117 100

82 53.8 47.8 71.6

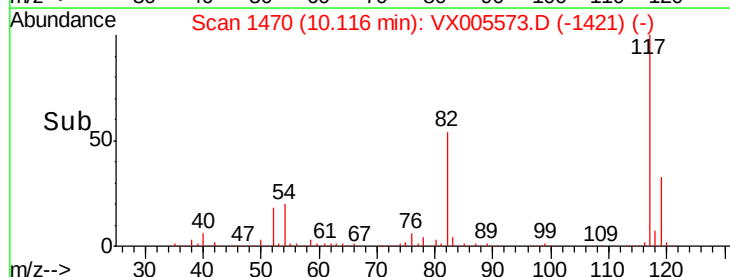
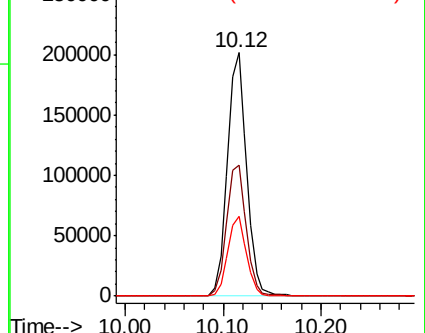
119 32.6 29.3 43.9

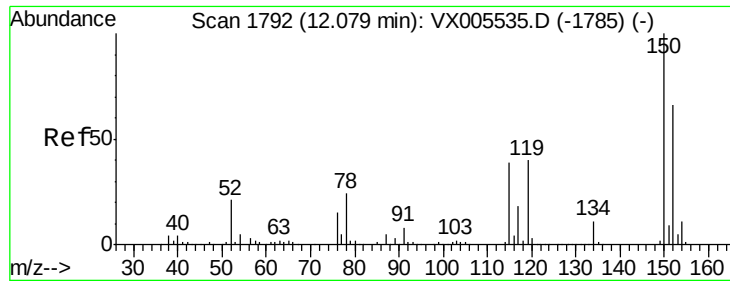


Abundance Ion 116.90 (116.60 to 117.60): VX005535.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005535.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005535.D (-1462) (-)



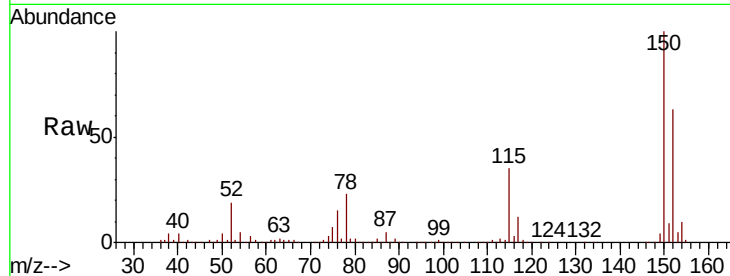


#72

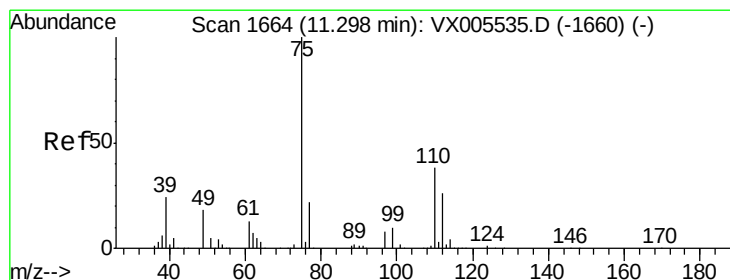
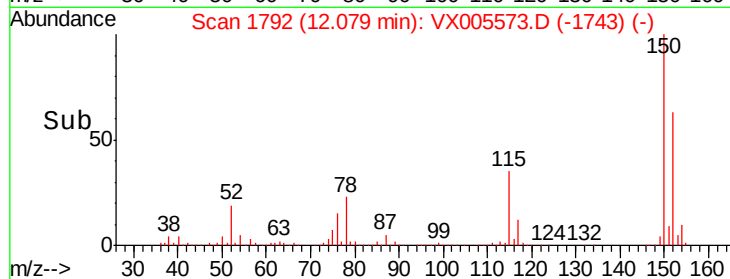
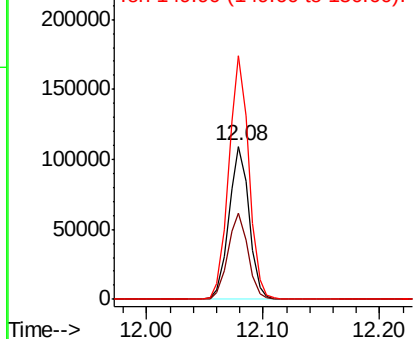
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005573.D
Acq: 25 Oct 2018 06:17

Instrument :
MSVOA_X
ClientSampleId :
S37-0009

Tot Ion:152 Resp: 131145
Ion Ratio Lower Upper
152 100
115 56.2 39.0 117.0
150 158.4 0.0 351.0



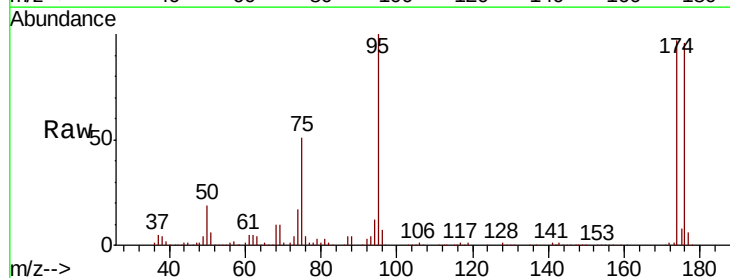
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



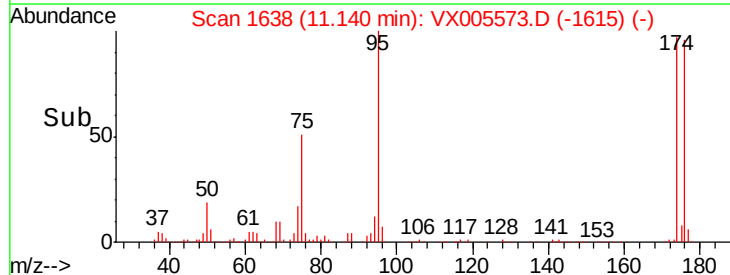
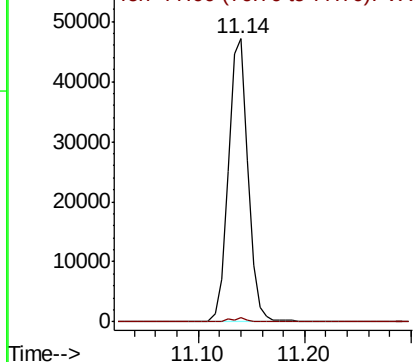
#76

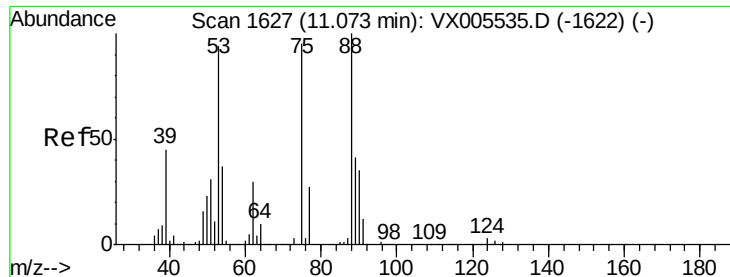
1,2,3-Trichloropropane
Concen: 22.865 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005573.D
Acq: 25 Oct 2018 06:17

Tgt Ion: 75 Resp: 61078
Ion Ratio Lower Upper
75 100
77 1.3 20.2 60.6#



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: 71.824 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005573.D

Acq: 25 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

S37-0009

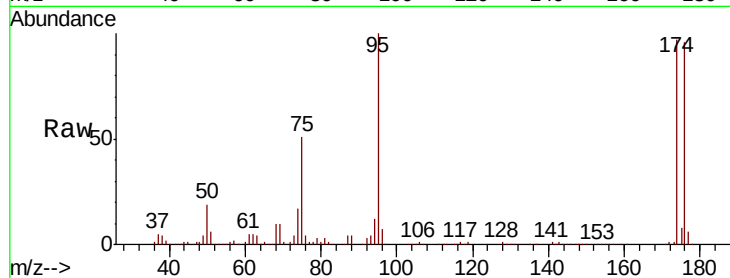
Tot Ion: 75 Resp: 61078

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

