

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005773.D
 Acq On : 05 Nov 2018 12:57
 Operator : JC/MD
 Sample : VX1105WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:42:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	156506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	232930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	91610	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	115306	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
35) Dibromofluoromethane	5.50	113	89637	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	290531	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	
62) 4-Bromofluorobenzene	11.14	95	94269	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	

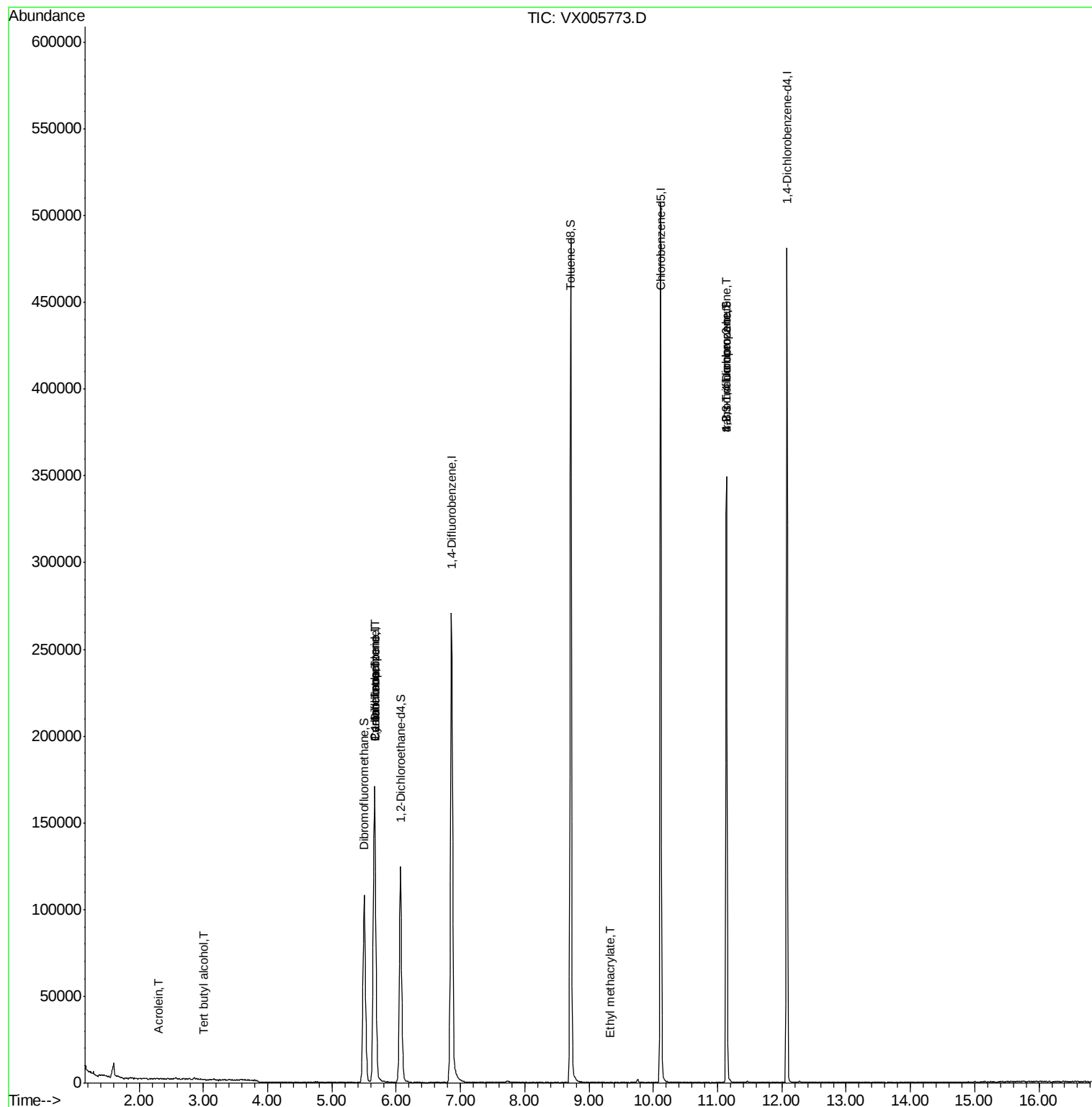
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	24	Below Cal	#	42
11) Tert butyl alcohol	3.01	59	224	0.360	ug/l #	72
13) Acrolein	2.29	56	68	12.328	ug/l #	47
16) Acetone	2.45	43	475	Below Cal	#	45
31) Cyclohexane	5.66	56	3793	1.241	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13570	4.766	ug/l #	48
38) Carbon Tetrachloride	5.66	117	15117	5.877	ug/l #	16
56) Ethyl methacrylate	9.33	69	23	2.477	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	47137	20.659	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	47137	66.748	ug/l #	9

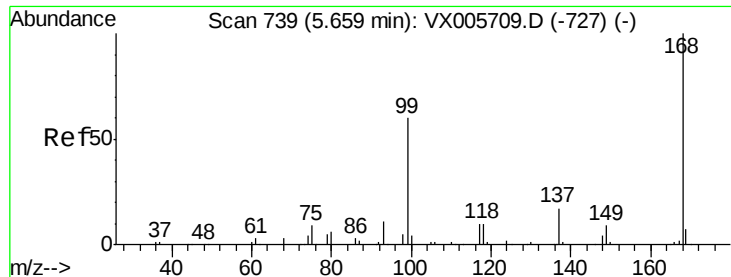
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110518\
Data File : VX005773.D
Acq On : 05 Nov 2018 12:57
Operator : JC/MD
Sample : VX1105WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 06 00:42:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 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: VX005773.D

Acq: 05 Nov 2018 12:57

Instrument :

MSVOA_X

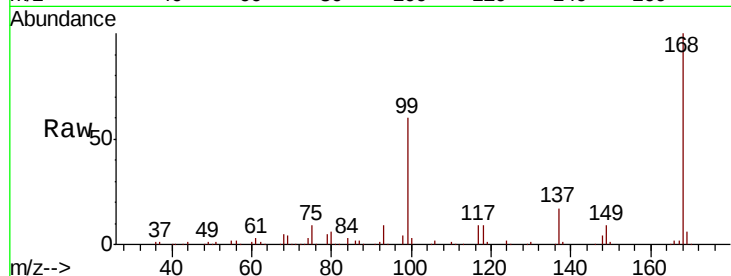
ClientSampleId :

Tot Ion:168 Resp: 156506

Ion Ratio Lower Upper

168 100

99 60.3 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

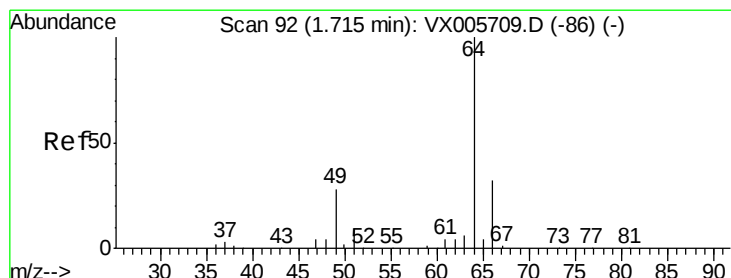
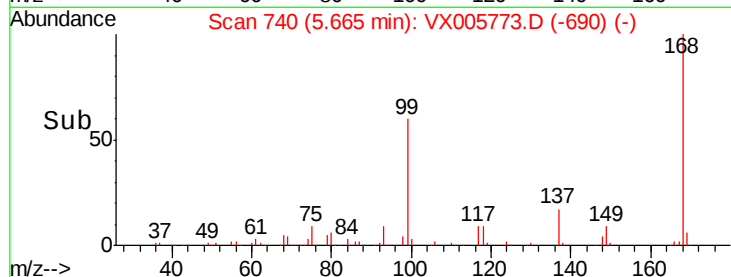
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005773.D

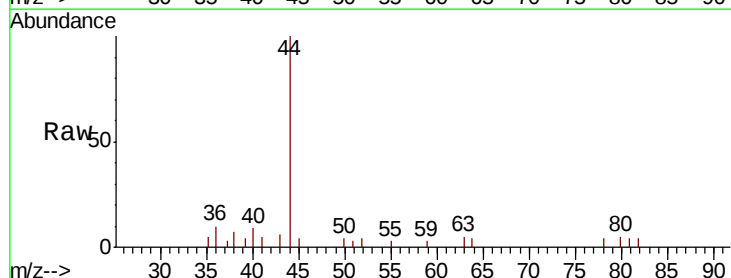
Acq: 05 Nov 2018 12:57

Tgt Ion: 64 Resp: 24

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

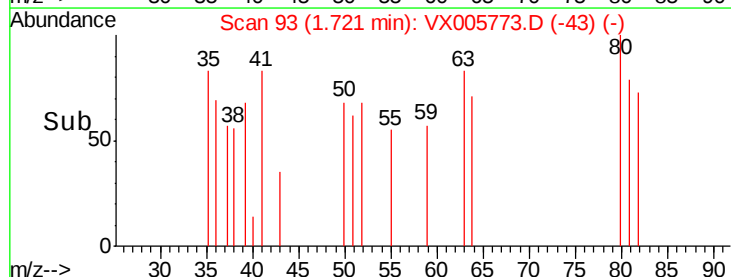
60

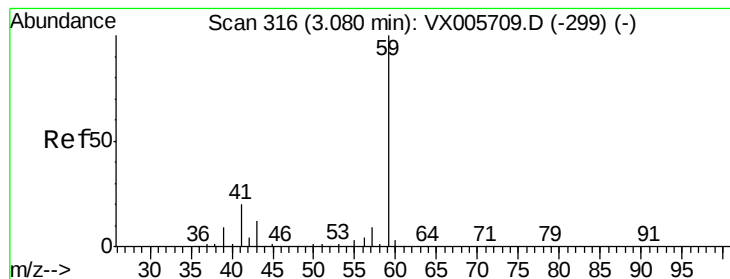
40

20

0

Time--> 1.71 1.72 1.73



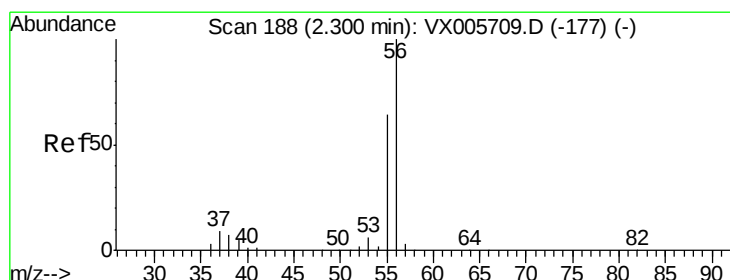
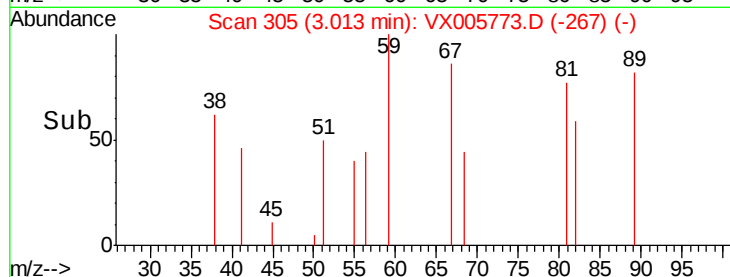
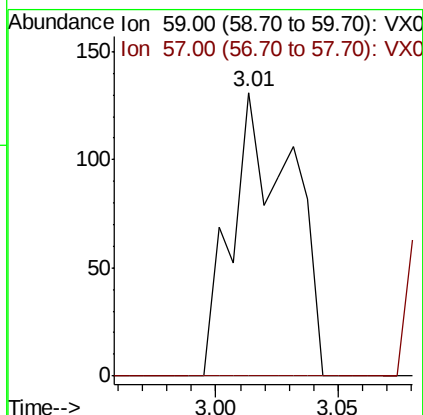
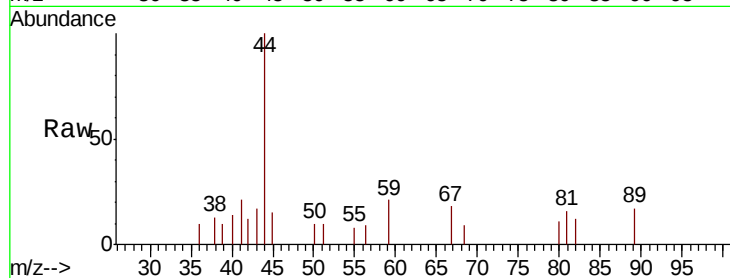


#11

Tert butyl alcohol
 Concen: 0.360 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX005773.D
 Acq: 05 Nov 2018 12:57

Instrument :
 MSVOA_X
 ClientSampled :

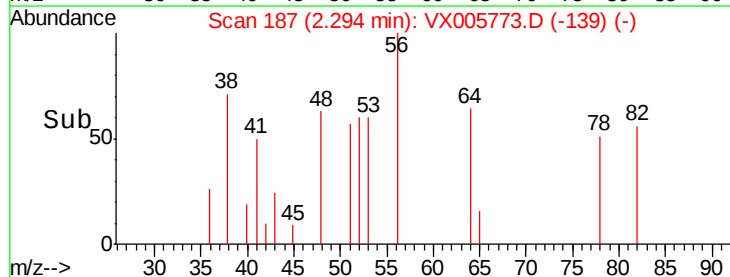
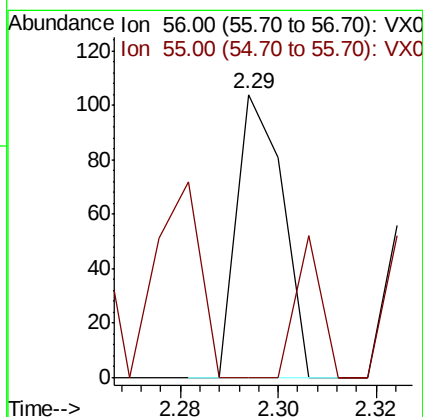
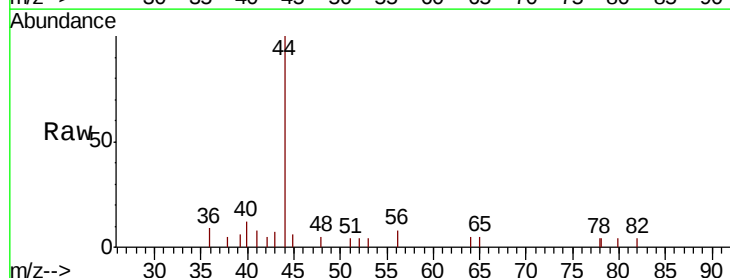
Tot Ion: 59 Resp: 224
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

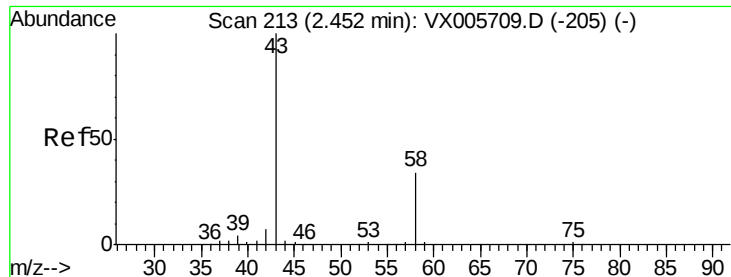


#13

Acrolein
 Concen: 12.328 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX005773.D
 Acq: 05 Nov 2018 12:57

Tgt Ion: 56 Resp: 68
 Ion Ratio Lower Upper
 56 100
 55 27.9 57.3 85.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

Instrument :

MSVOA_X

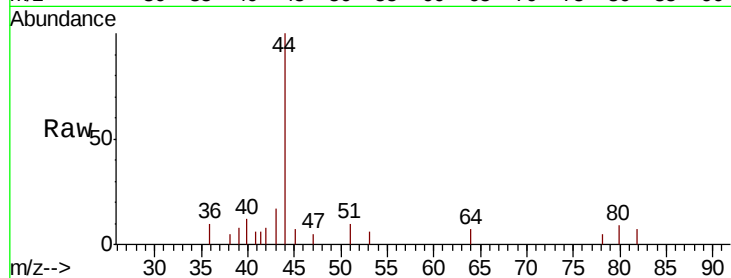
ClientSampleId :

Tot Ion: 43 Resp: 475

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

200

150

100

50

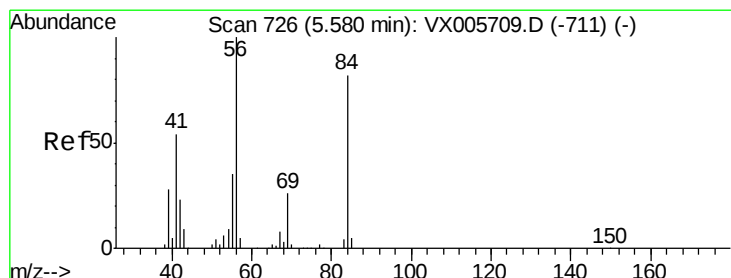
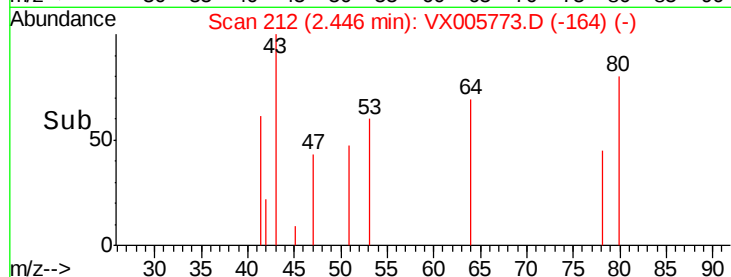
0

2.40

2.45

2.50

Time-->



#31

Cyclohexane

Concen: 1.241 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

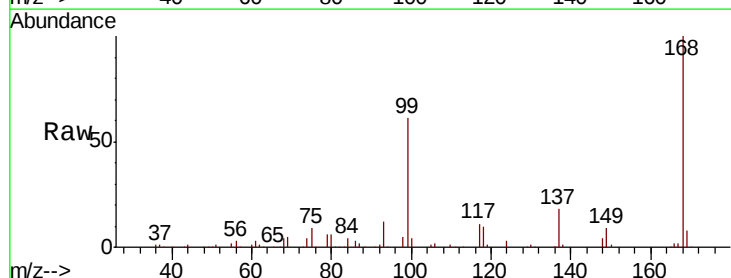
Tgt Ion: 56 Resp: 3793

Ion Ratio Lower Upper

56 100

69 186.2 22.6 34.0#

84 145.0 62.7 94.1#



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

5.55

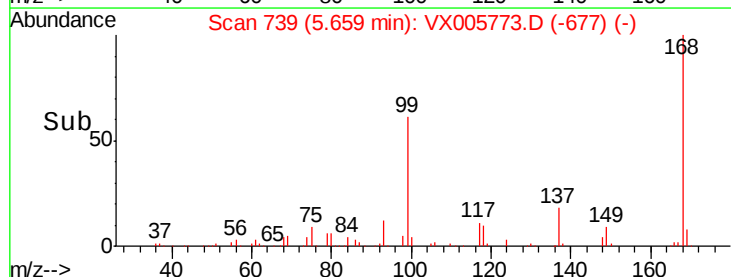
5.60

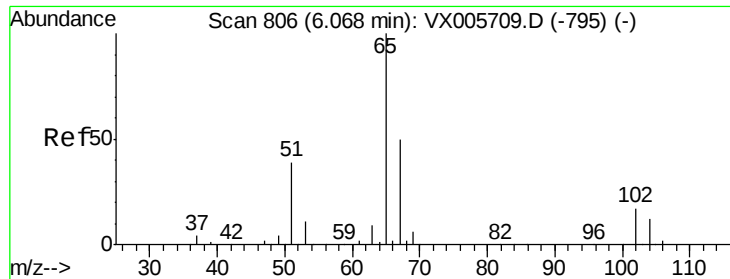
5.65

5.70

5.75

Time-->

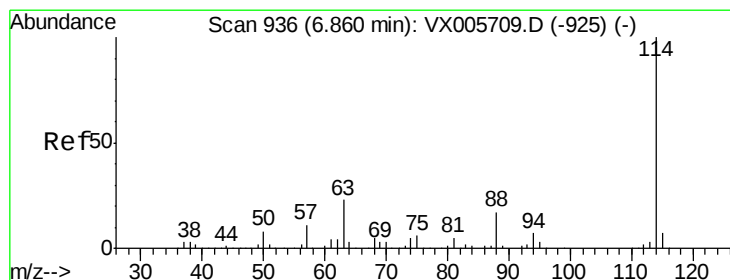
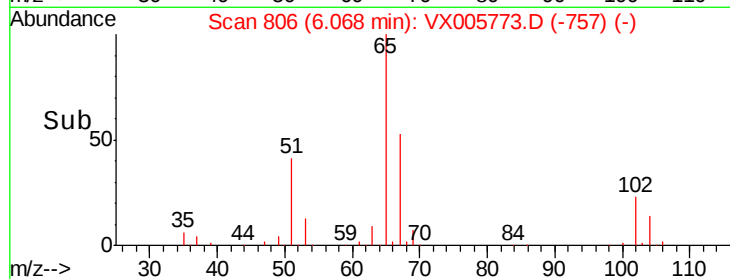
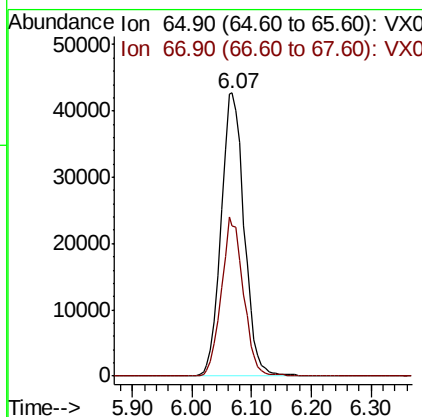
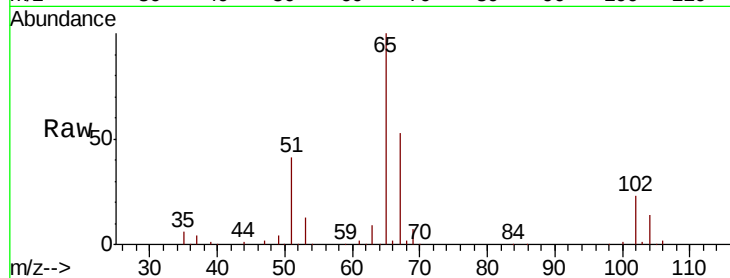




#33
 1,2-Dichloroethane-d4
 Concen: 50.393 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005773.D
 Acq: 05 Nov 2018 12:57

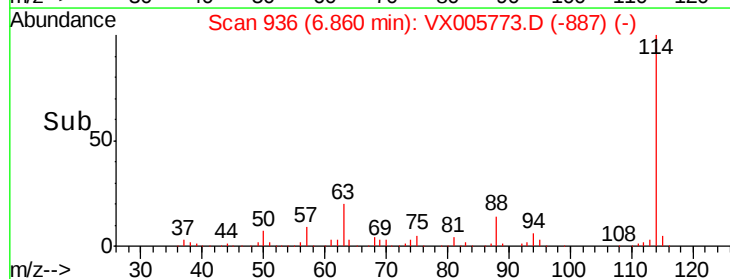
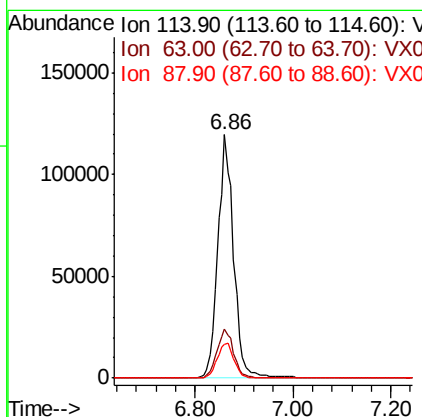
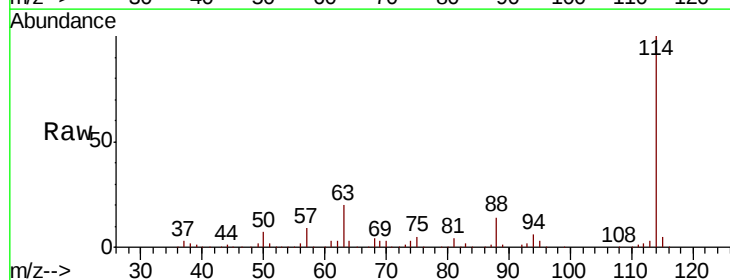
Instrument :
 MSVOA_X
 ClientSampleId :

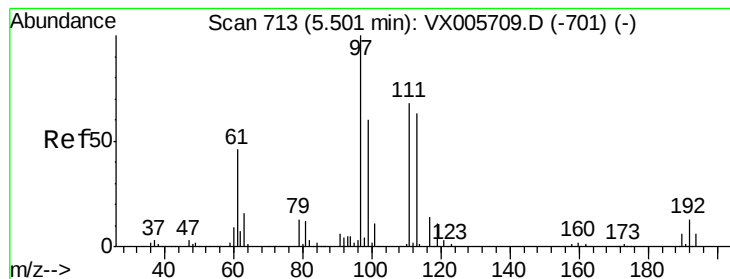
Tot Ion: 65 Resp: 115306
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005773.D
 Acq: 05 Nov 2018 12:57

Tgt Ion: 114 Resp: 267222
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.8
 88 13.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.445 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

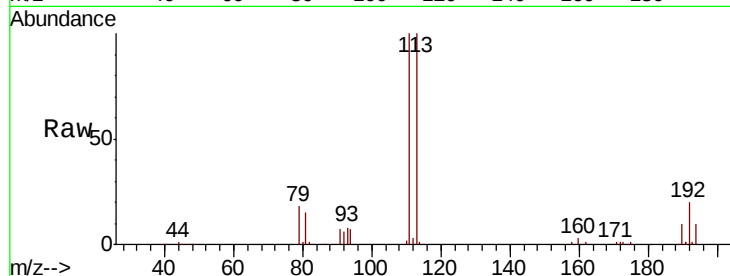
Tot Ion:113 Resp: 89637

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

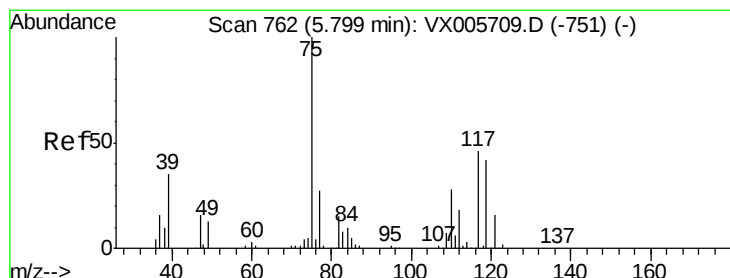
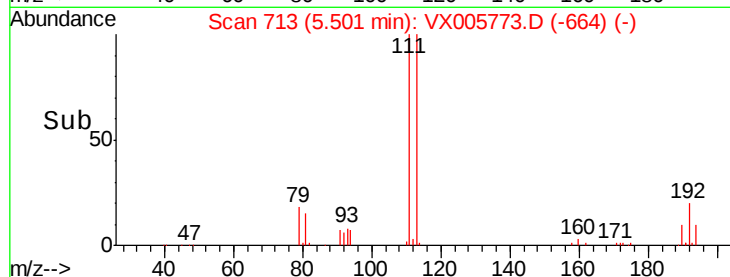
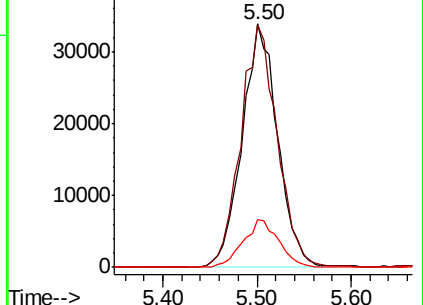
192 19.4 17.9 26.9



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: 4.766 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

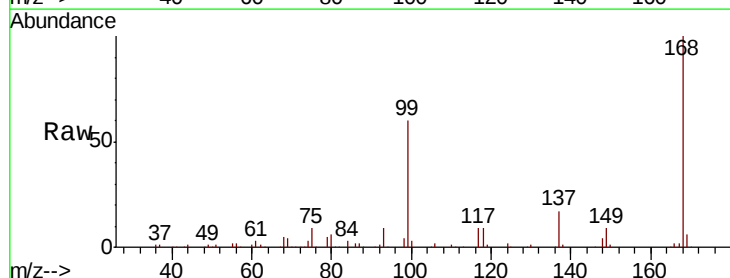
Tgt Ion: 75 Resp: 13570

Ion Ratio Lower Upper

75 100

110 7.7 17.4 52.2#

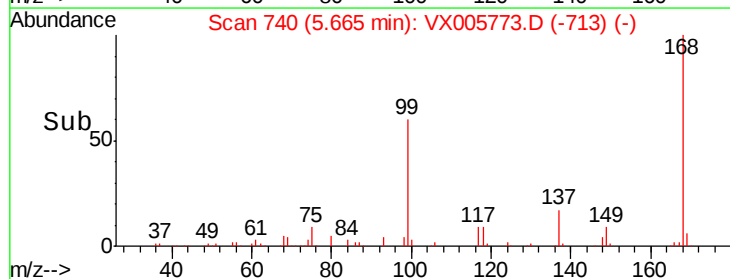
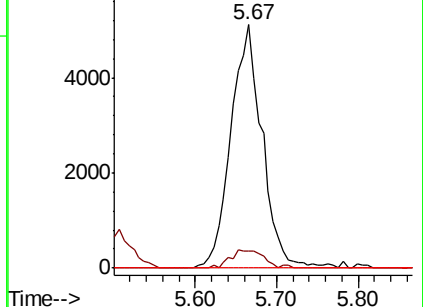
77 0.0 25.8 38.6#

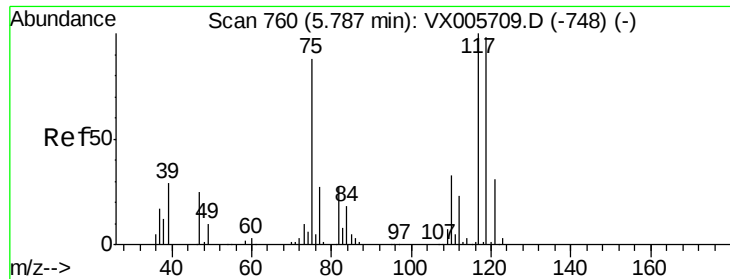


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.877 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

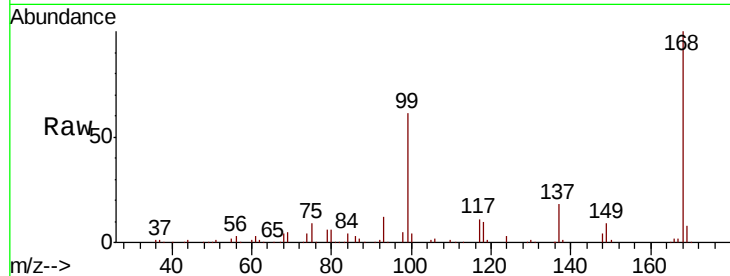
Tot Ion:117 Resp: 15117

Ion Ratio Lower Upper

117 100

119 6.2 78.1 117.1#

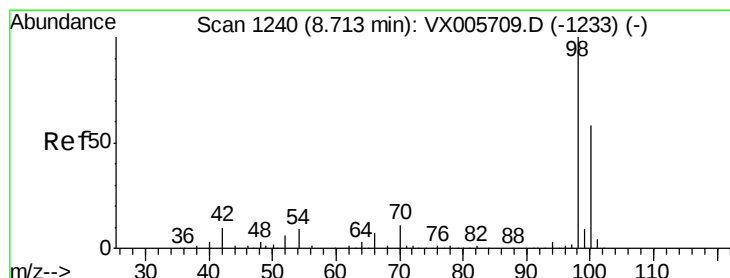
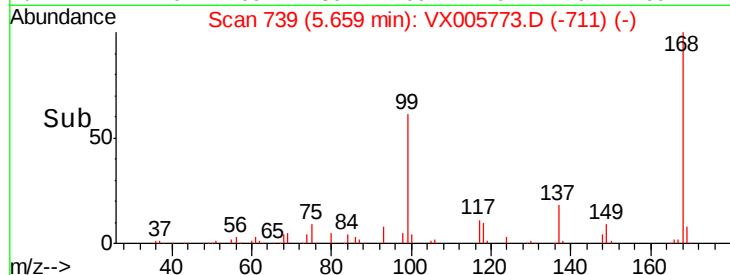
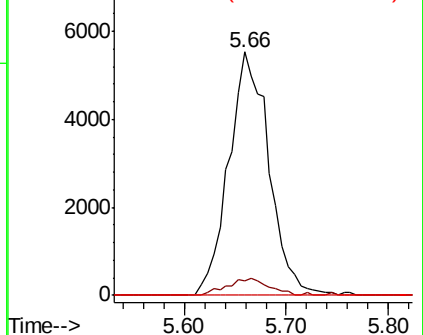
121 0.0 24.6 36.8#



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: 44.770 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005773.D

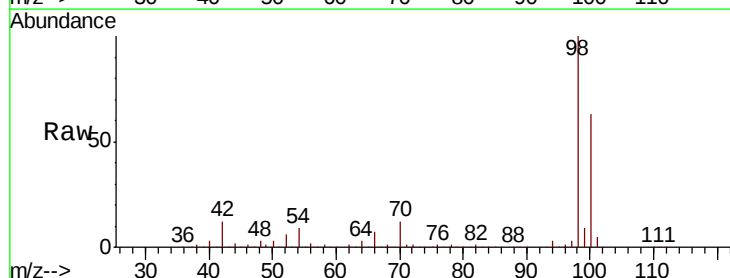
Acq: 05 Nov 2018 12:57

Tgt Ion: 98 Resp: 290531

Ion Ratio Lower Upper

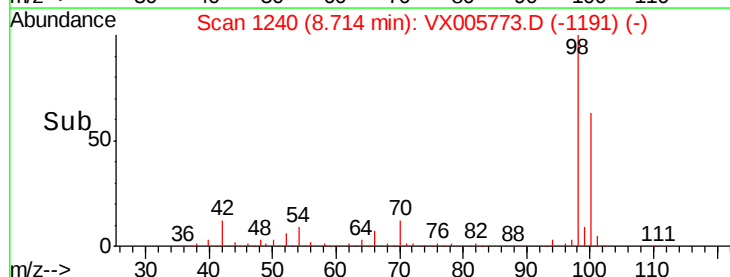
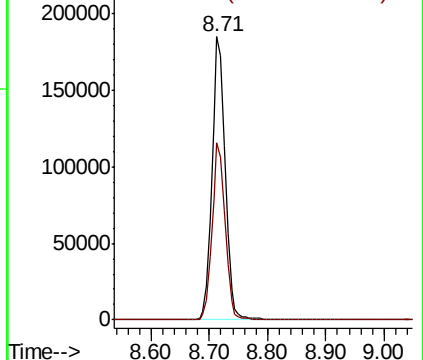
98 100

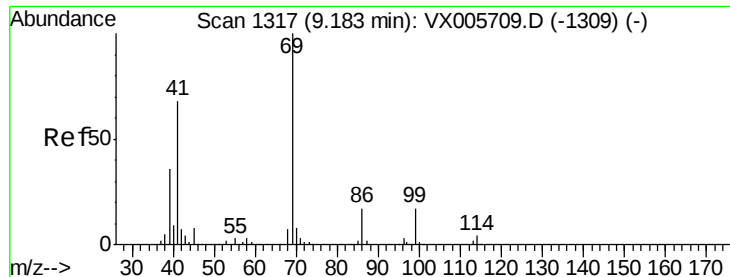
100 61.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.477 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. 0.15 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :

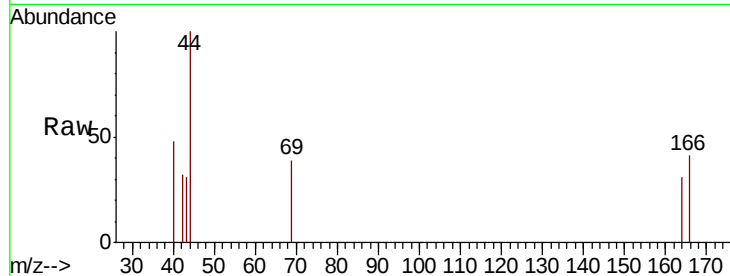
Tot Ion: 69 Resp: 23

Ion Ratio Lower Upper

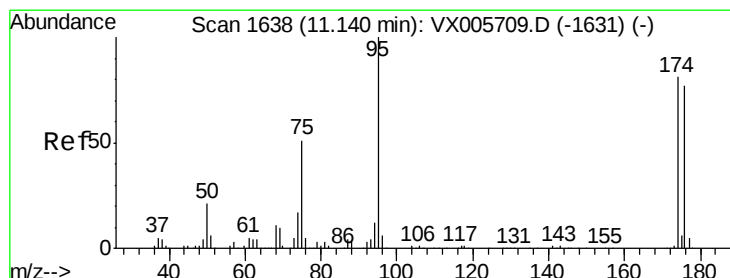
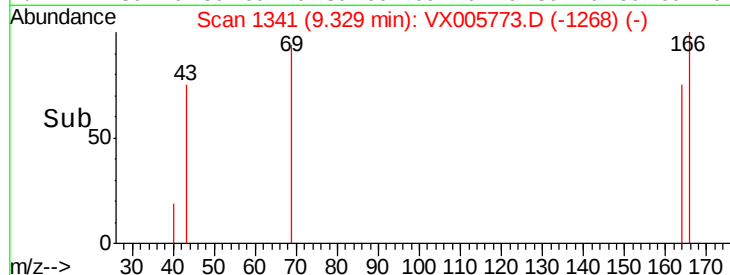
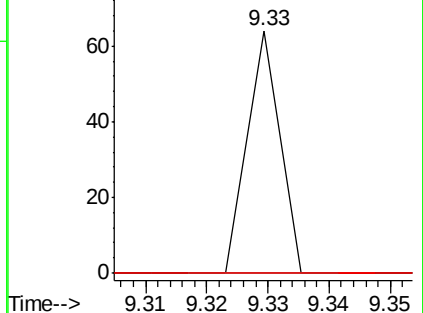
69 100

41 0.0 57.0 85.6#

39 0.0 28.3 42.5#



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



#62

4-Bromofluorobenzene

Concen: 39.359 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

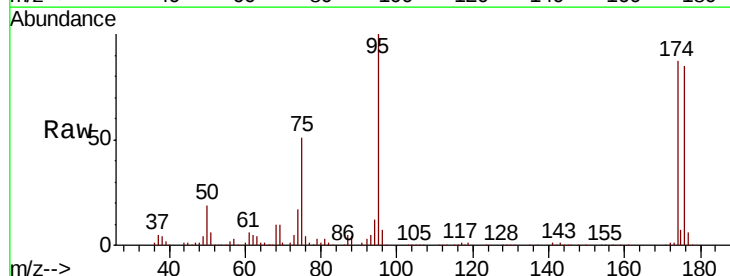
Tgt Ion: 95 Resp: 94269

Ion Ratio Lower Upper

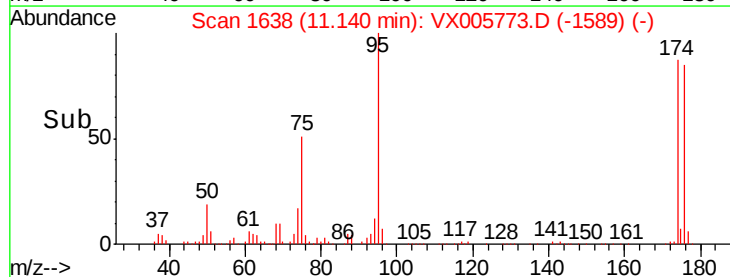
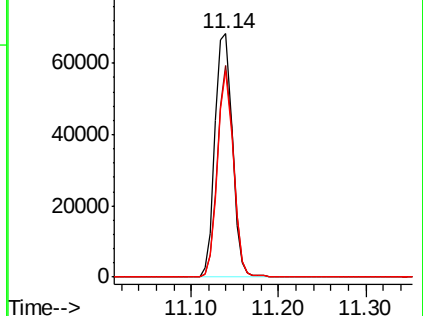
95 100

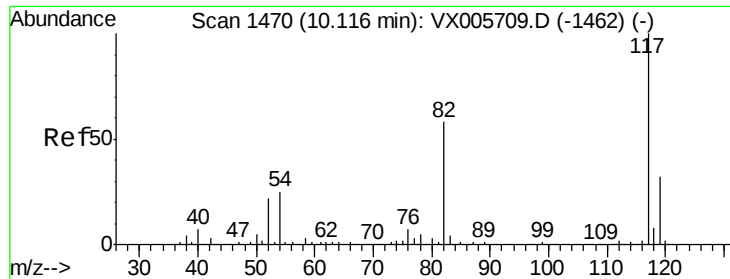
174 79.4 0.0 184.4

176 77.1 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

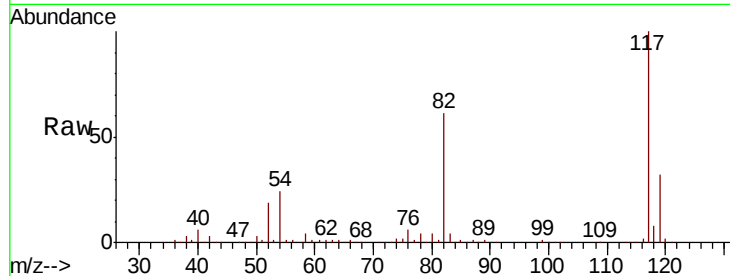




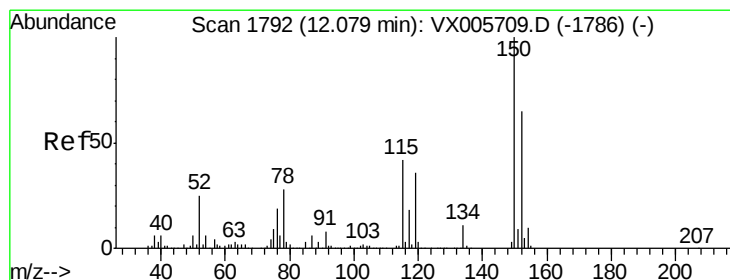
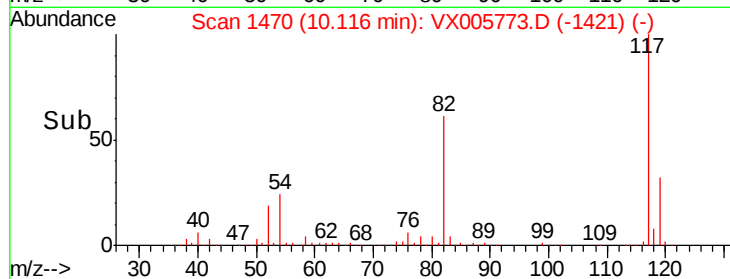
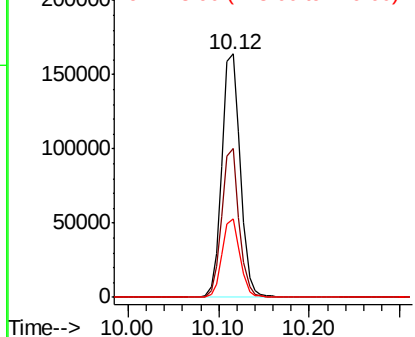
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005773.D
Acq: 05 Nov 2018 12:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 232930
Ion Ratio Lower Upper
117 100
82 61.0 44.1 66.1
119 32.0 26.2 39.2

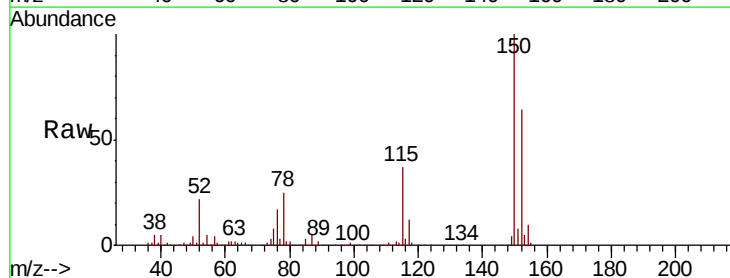


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

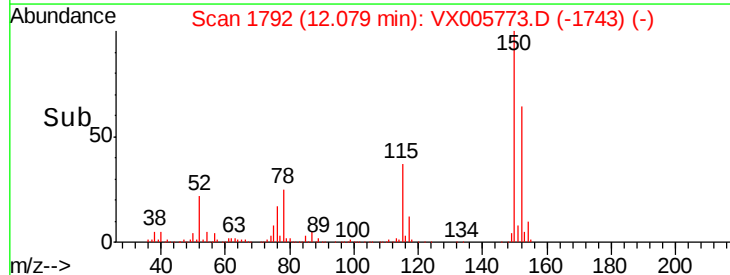
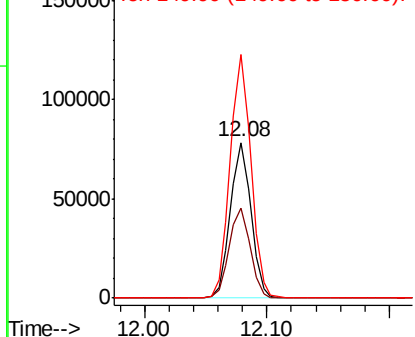


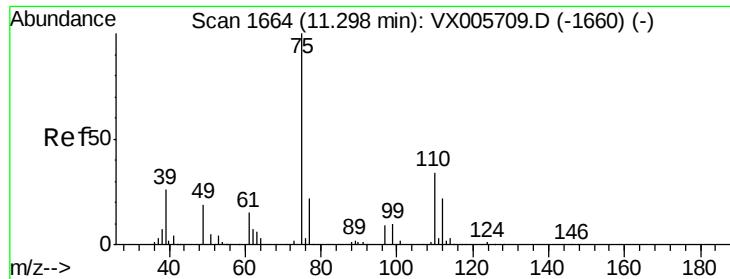
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005773.D
Acq: 05 Nov 2018 12:57

Tgt Ion:152 Resp: 91610
Ion Ratio Lower Upper
152 100
115 59.1 39.4 118.1
150 157.0 0.0 346.4



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: 20.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

Instrument :

MSVOA_X

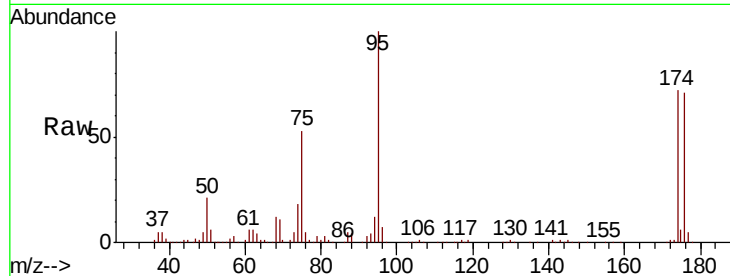
ClientSampleId :

Tot Ion: 75 Resp: 47137

Ion Ratio Lower Upper

75 100

77 1.4 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

30000

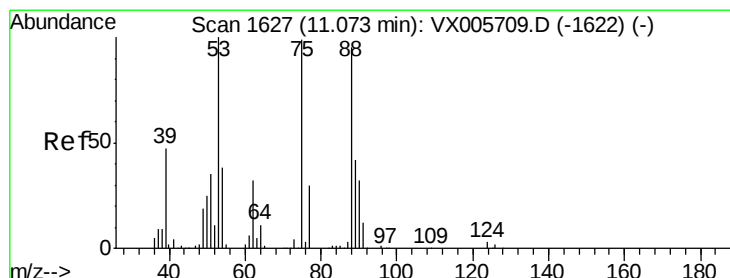
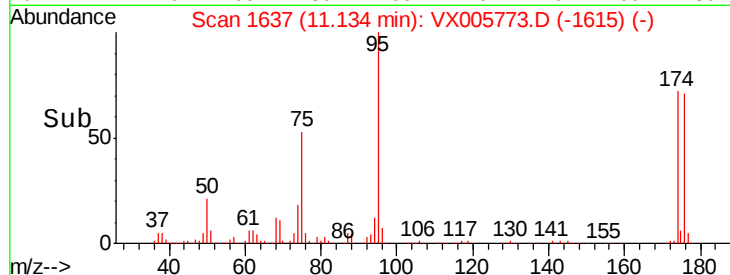
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.748 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005773.D

Acq: 05 Nov 2018 12:57

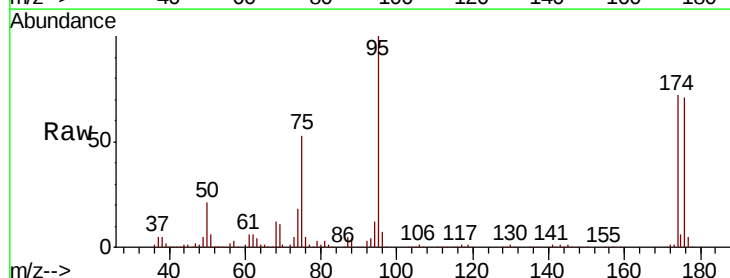
Tgt Ion: 75 Resp: 47137

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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

11.13

40000

30000

20000

10000

0

Time-->

11.10 11.20

