

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005772.D
 Acq On : 05 Nov 2018 12:31
 Operator : JC/MD
 Sample : VX1105MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:42:44 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	5.66	168	142118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	228493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	215011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81957	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.06	65	105391	50.72	ug/l	0.00
Spiked Amount	50.000			Recovery	=	101.44%	
35) Dibromofluoromethane		5.50	113	82643	52.24	ug/l	0.00
Spiked Amount	50.000			Recovery	=	104.48%	
50) Toluene-d8		8.71	98	262462	47.30	ug/l	0.00
Spiked Amount	50.000			Recovery	=	94.60%	
62) 4-Bromofluorobenzene		11.14	95	82526	40.30	ug/l	0.00
Spiked Amount	50.000			Recovery	=	80.60%	

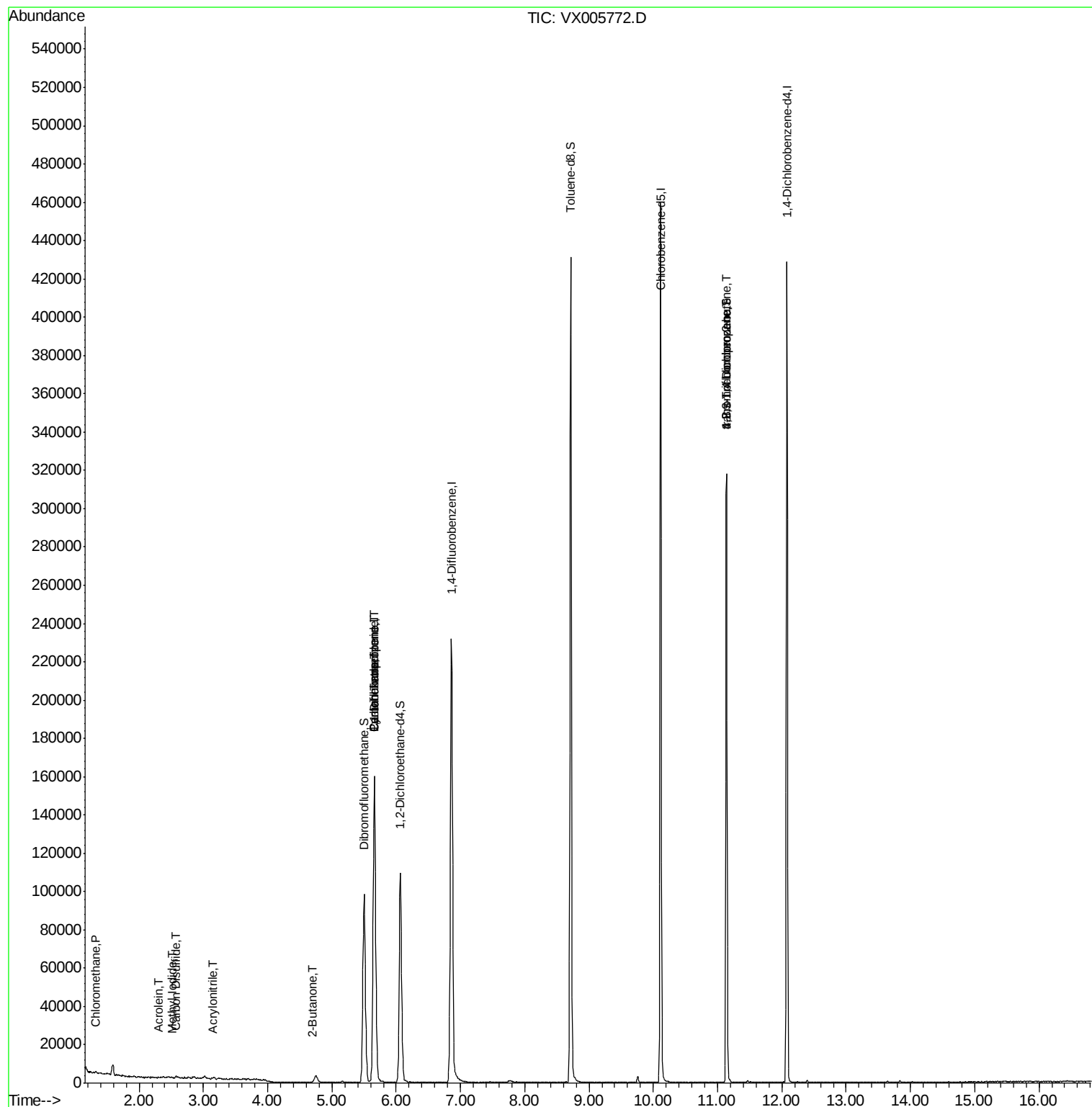
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	463	0.239	ug/l #	68
6) Chloroethane	1.73	64	22	Below Cal	#	1
10) Methyl Iodide	2.51	142	131	2.023	ug/l #	39
13) Acrolein	2.29	56	110	12.442	ug/l #	1
15) Acrylonitrile	3.15	53	521	0.420	ug/l #	89
16) Acetone	2.45	43	480	Below Cal		93
17) Carbon Disulfide	2.57	76	1007	0.214	ug/l #	91
25) 2-Butanone	4.70	43	356	0.203	ug/l #	51
31) Cyclohexane	5.66	56	3442	1.240	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	11623	4.774	ug/l #	48
38) Carbon Tetrachloride	5.66	117	14653	6.662	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	42482	20.812	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	42482	67.242	ug/l #	9

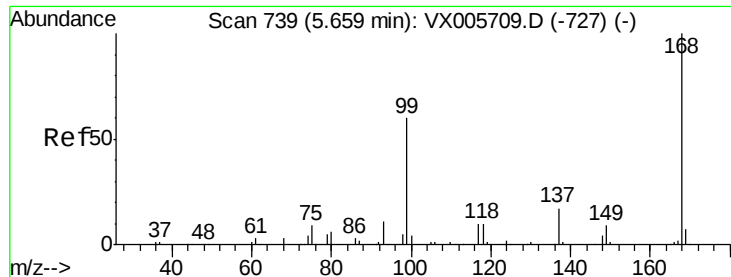
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110518\
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Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

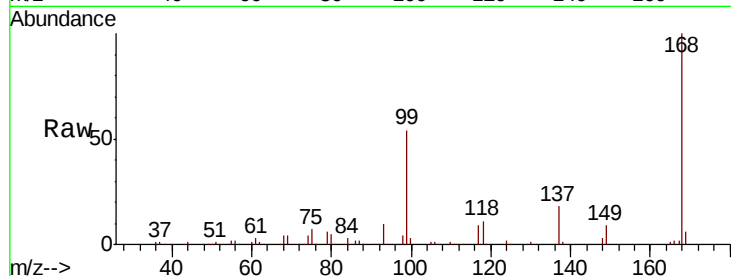
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 142118

Ion Ratio Lower Upper

168 100

99 54.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

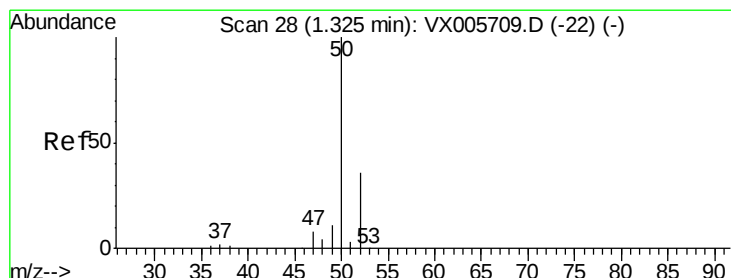
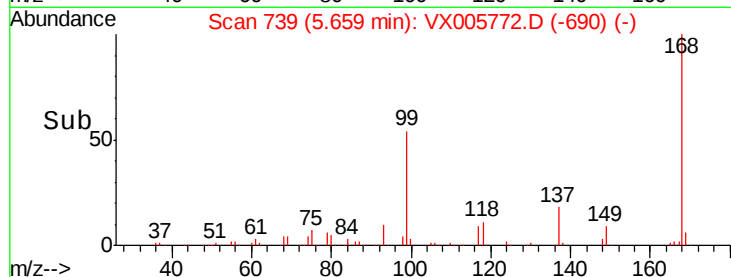
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005772.D

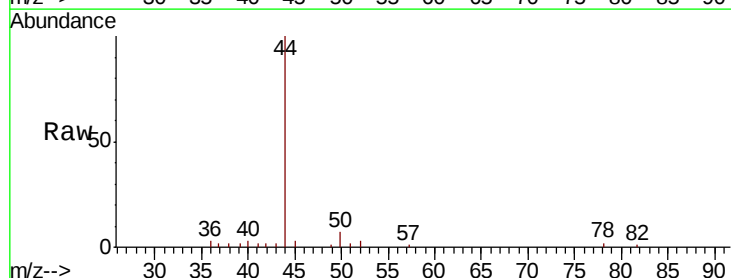
Acq: 05 Nov 2018 12:31

Tgt Ion: 50 Resp: 463

Ion Ratio Lower Upper

50 100

52 50.6 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

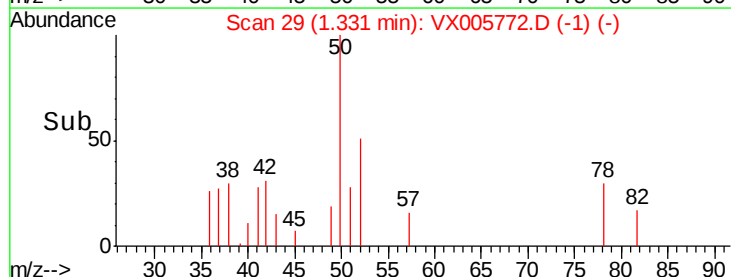
300

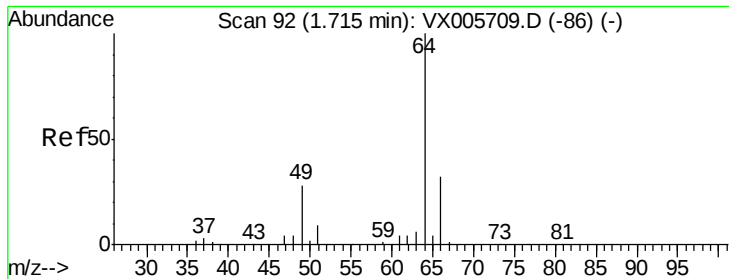
200

100

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

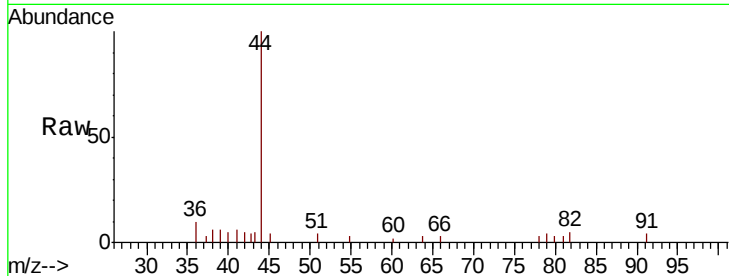
ClientSampleId :

Tot Ion: 64 Resp: 22

Ion Ratio Lower Upper

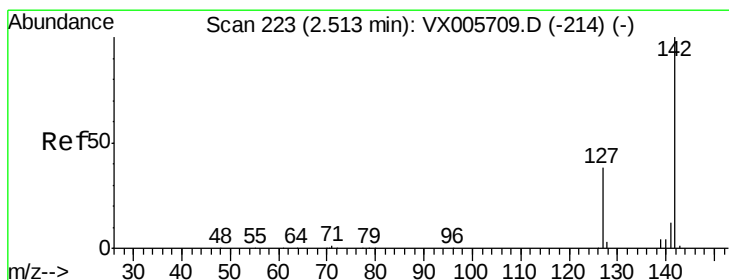
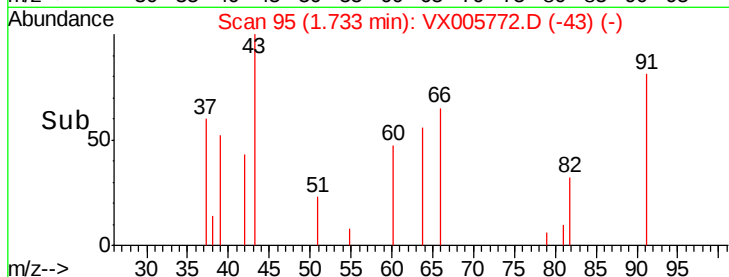
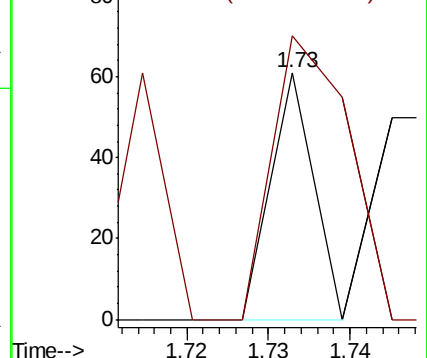
64 100

66 114.8 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.023 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

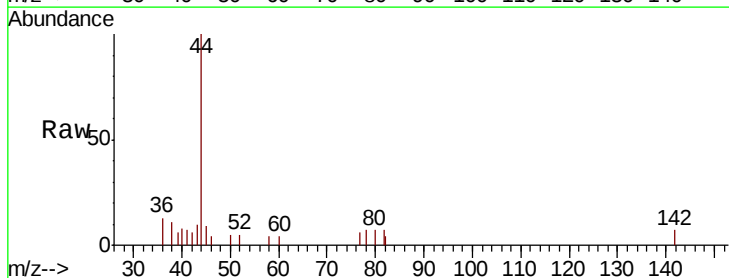
Tgt Ion: 142 Resp: 131

Ion Ratio Lower Upper

142 100

127 0.0 36.0 54.0#

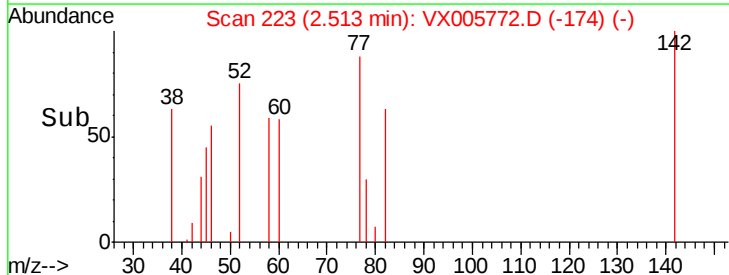
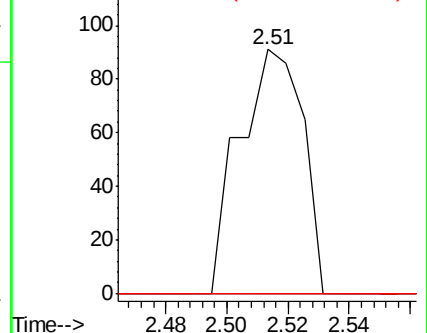
141 0.0 11.7 17.5#

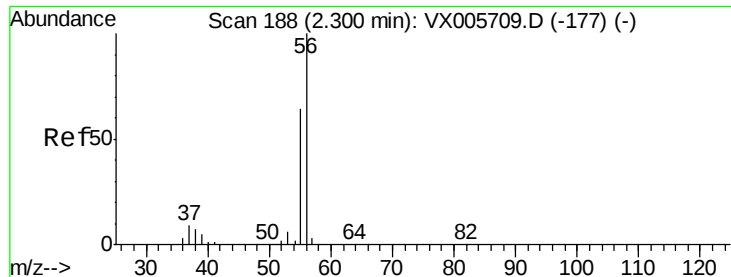


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 12.442 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

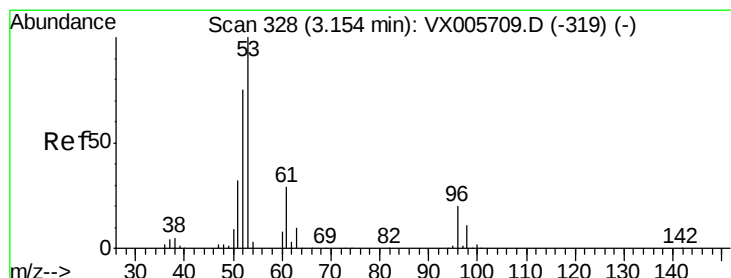
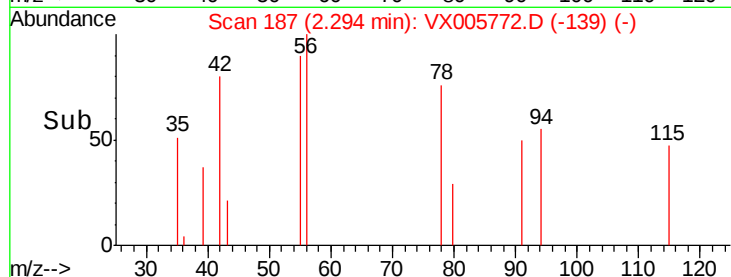
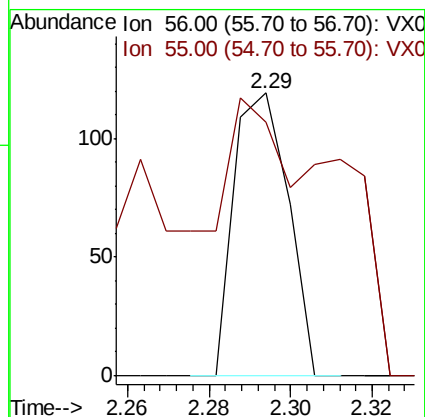
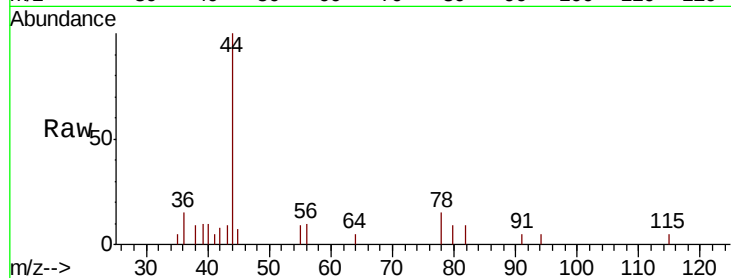
ClientSampleId :

Tot Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 188.2 57.3 85.9#



#15

Acrylonitrile

Concen: 0.420 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

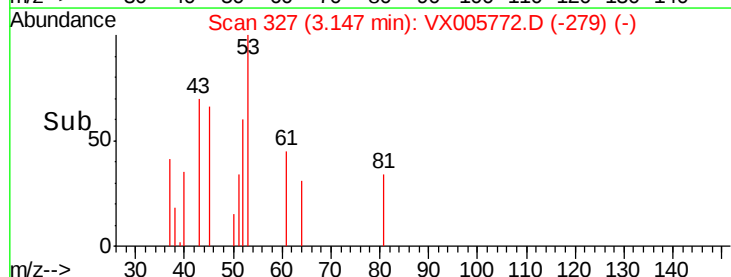
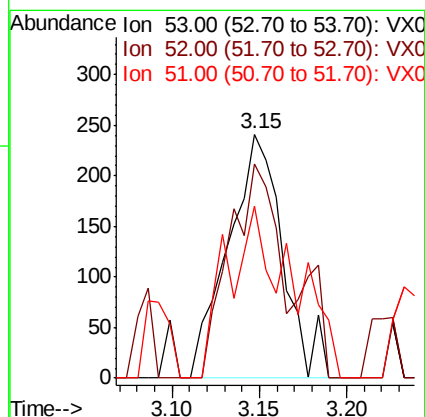
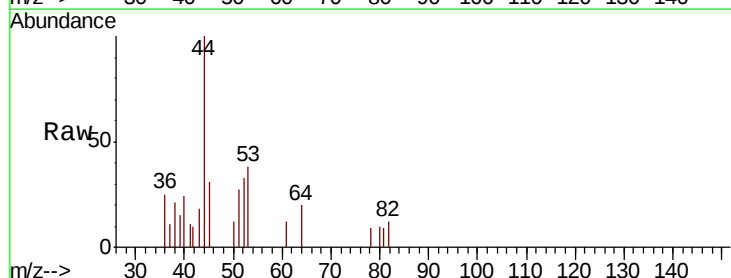
Tgt Ion: 53 Resp: 521

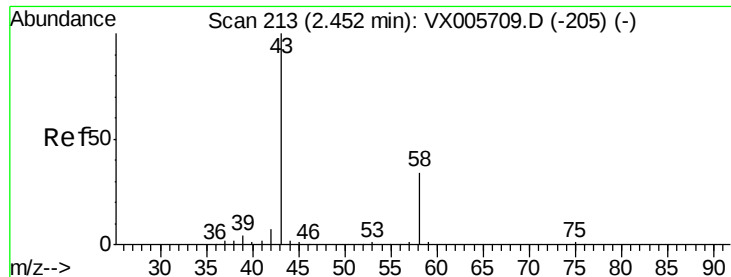
Ion Ratio Lower Upper

53 100

52 82.3 66.6 99.8

51 54.9 28.4 42.6#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

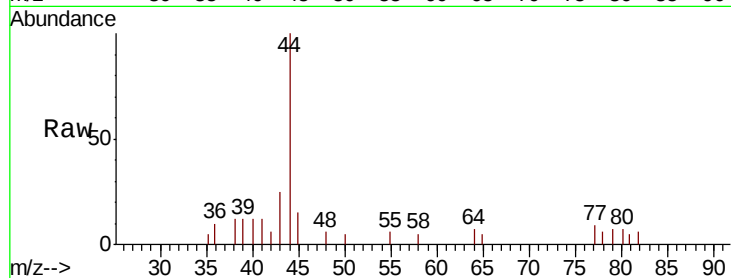
ClientSampleId :

Tot Ion: 43 Resp: 480

Ion Ratio Lower Upper

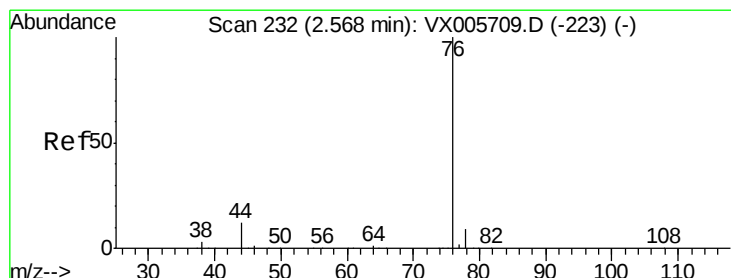
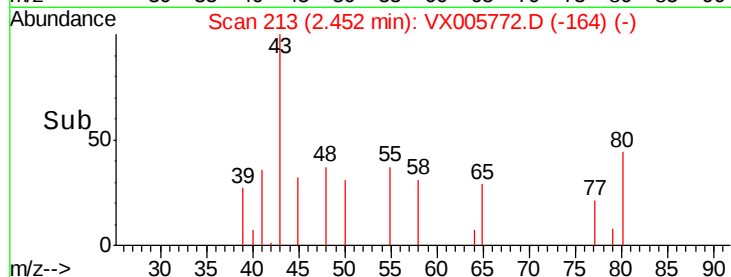
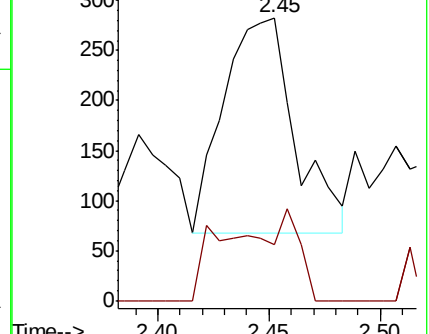
43 100

58 26.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005772.D

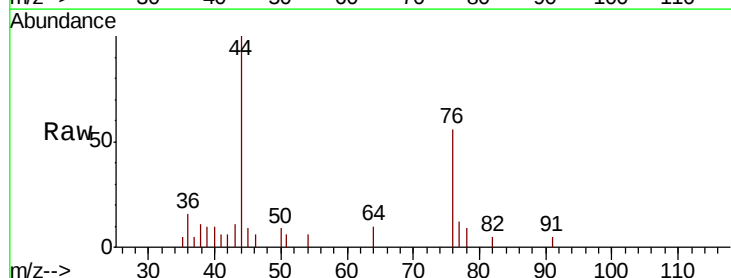
Acq: 05 Nov 2018 12:31

Tgt Ion: 76 Resp: 1007

Ion Ratio Lower Upper

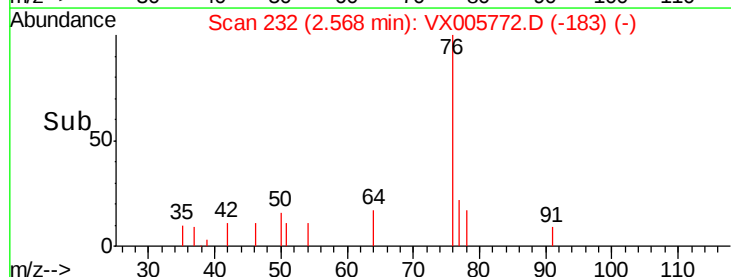
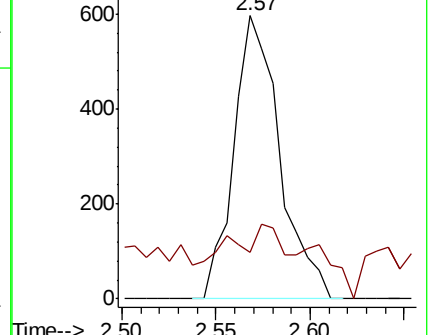
76 100

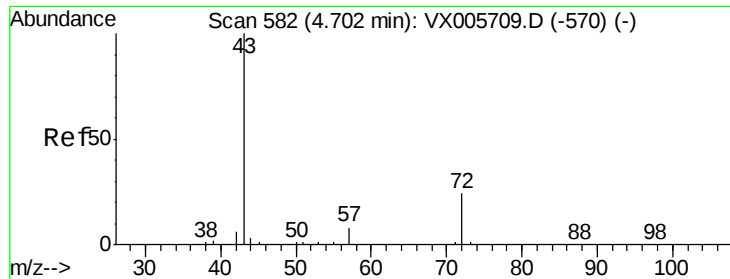
78 5.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.203 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

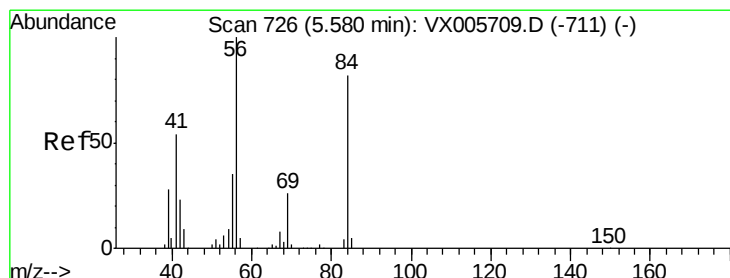
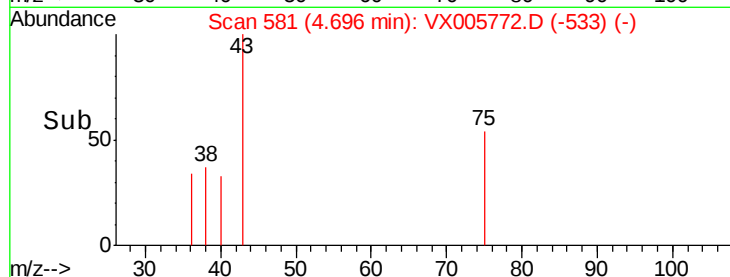
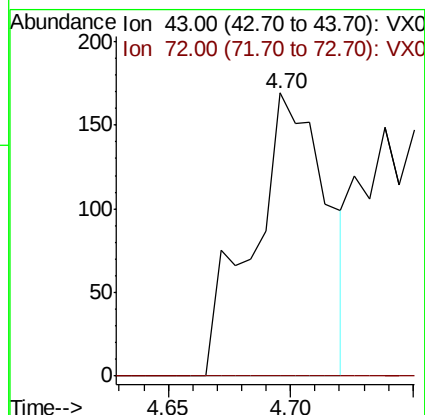
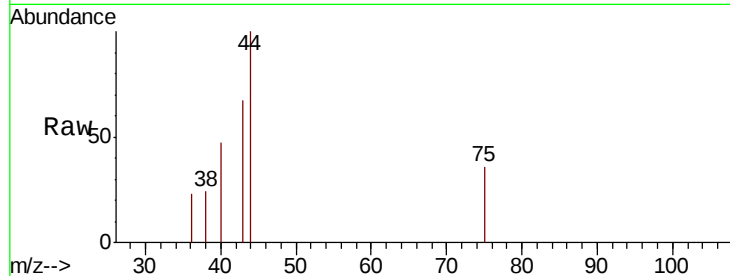
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 356

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#31

Cyclohexane

Concen: 1.240 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

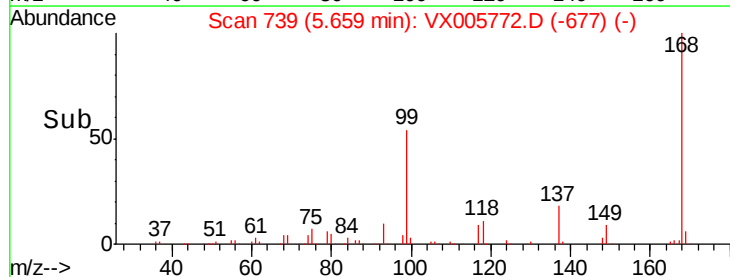
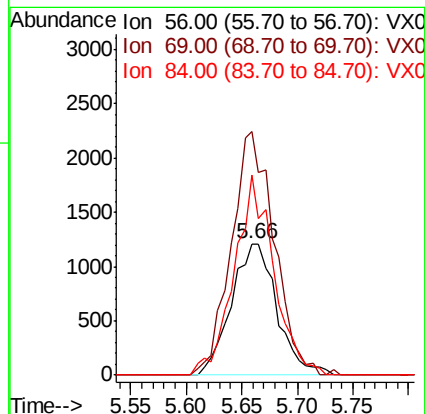
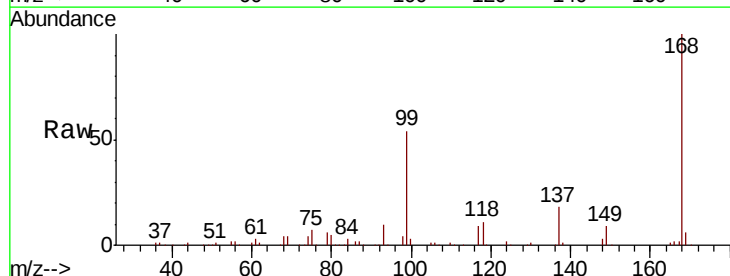
Tgt Ion: 56 Resp: 3442

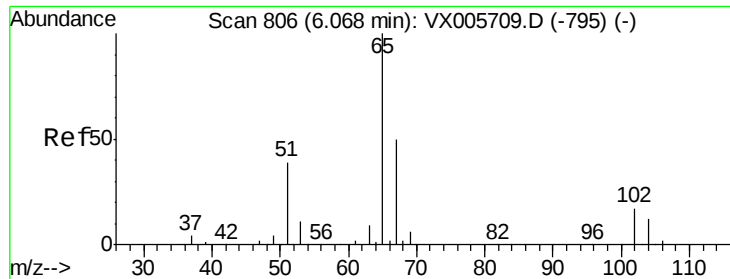
Ion Ratio Lower Upper

56 100

69 185.8 22.6 34.0#

84 152.3 62.7 94.1#

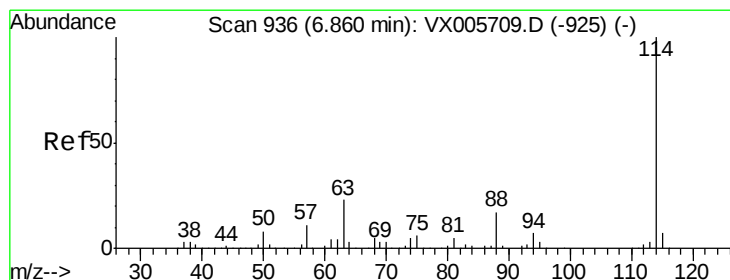
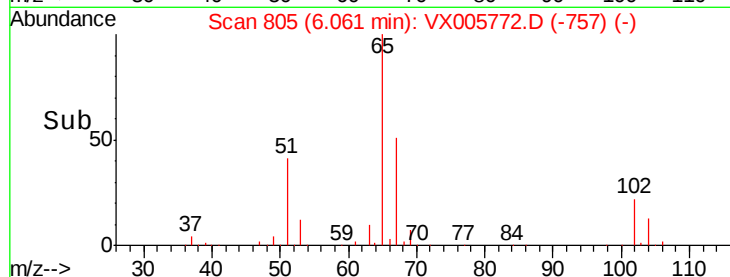
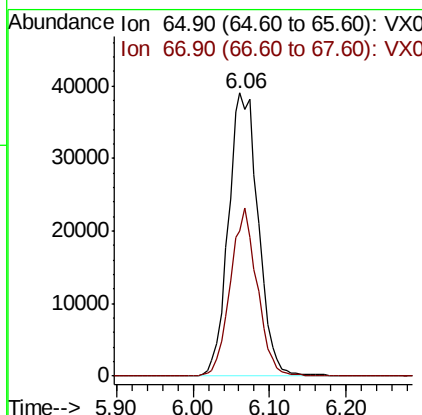
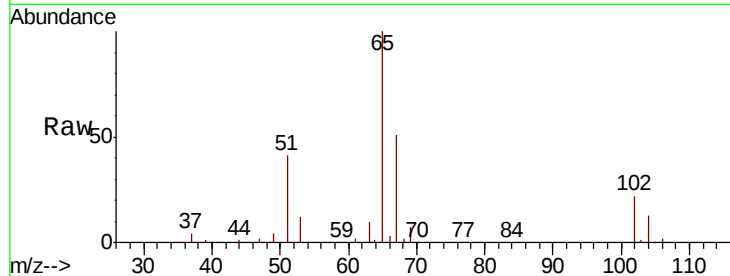




#33
 1,2-Dichloroethane-d4
 Concen: 50.723 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005772.D
 Acq: 05 Nov 2018 12:31

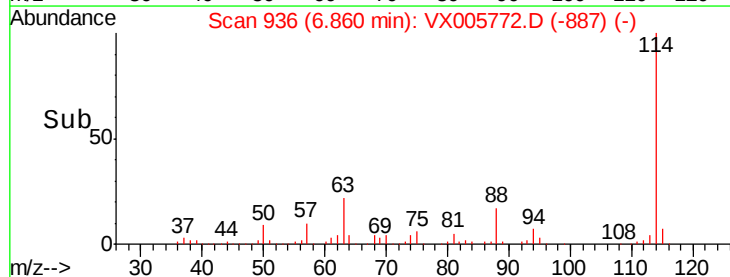
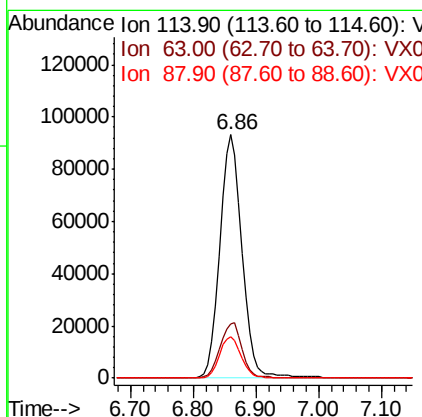
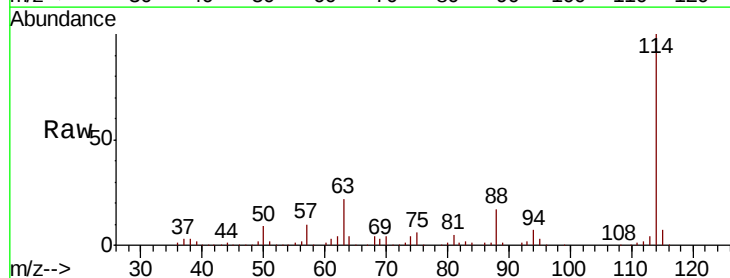
Instrument :
 MSVOA_X
 ClientSampleId :

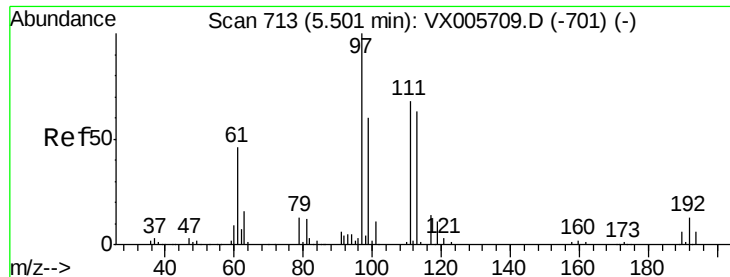
Tot Ion: 65 Resp: 105391
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005772.D
 Acq: 05 Nov 2018 12:31

Tgt Ion: 114 Resp: 228493
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.8
 88 17.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.236 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

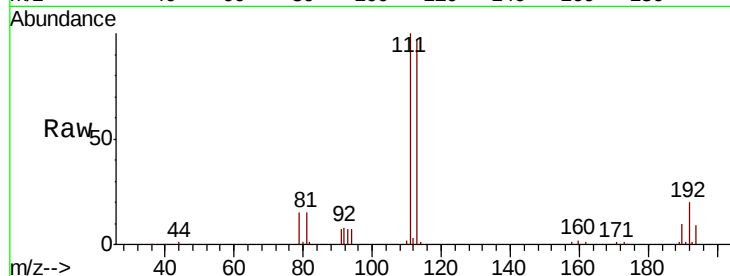
Tot Ion:113 Resp: 82643

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

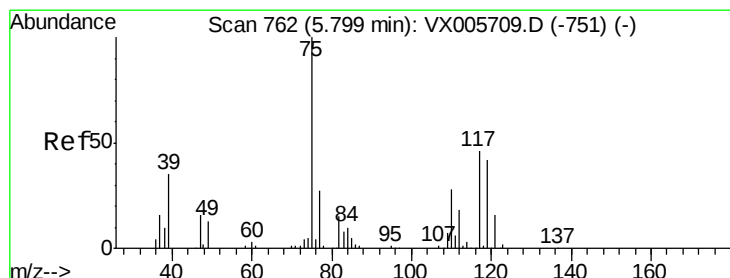
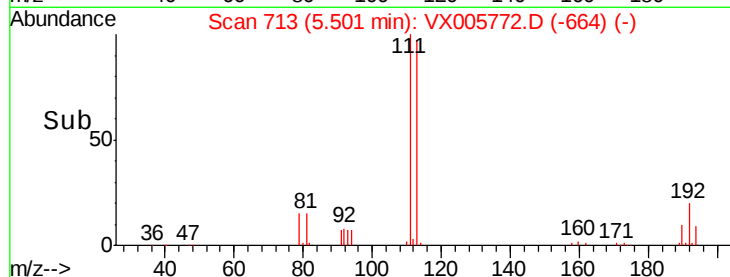
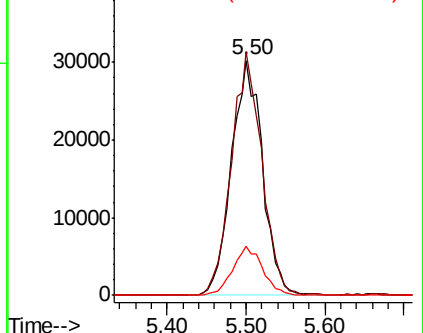
192 20.0 17.9 26.9



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: 4.774 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

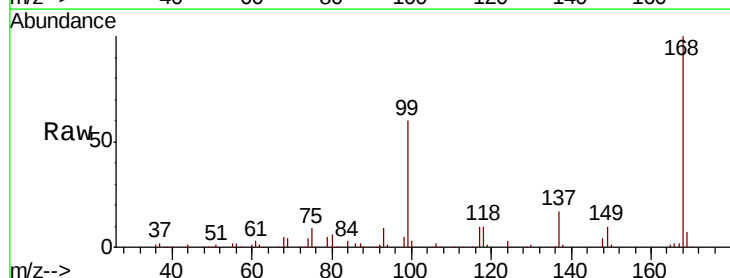
Tgt Ion: 75 Resp: 11623

Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.2#

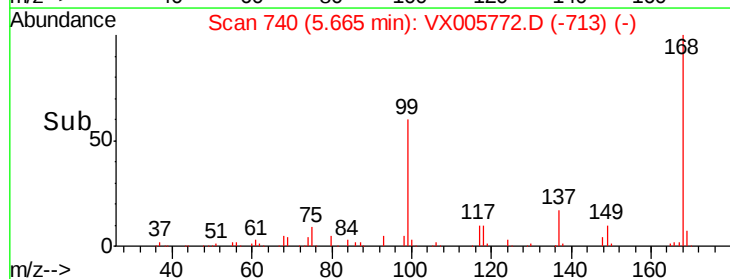
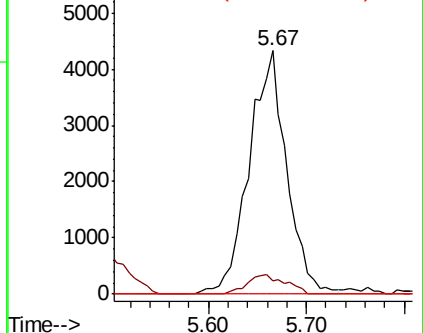
77 0.0 25.8 38.6#

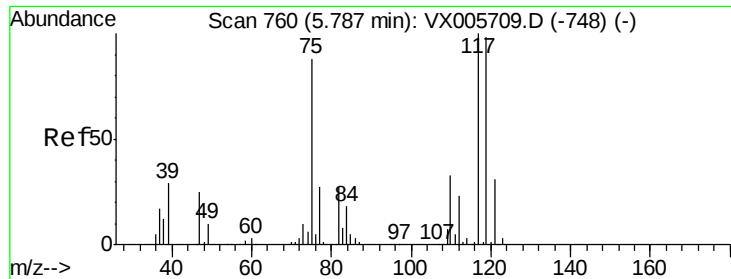


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.662 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

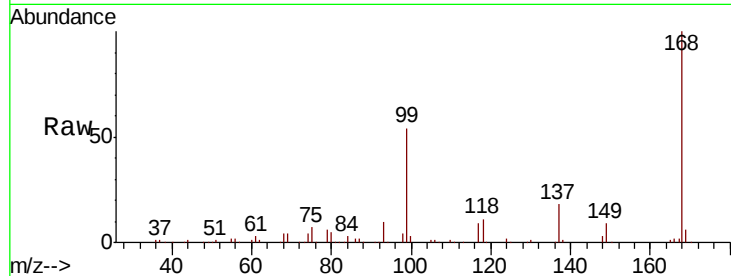
Tot Ion:117 Resp: 14653

Ion Ratio Lower Upper

117 100

119 4.7 78.1 117.1#

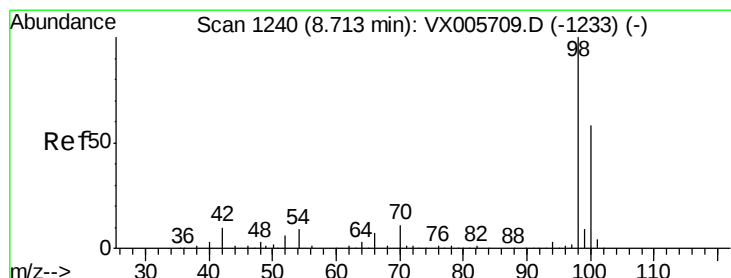
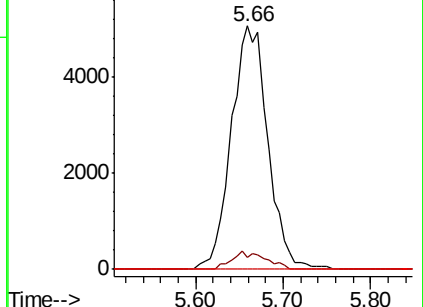
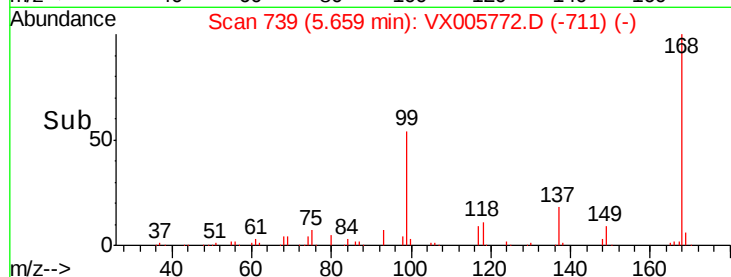
121 0.0 24.6 36.8#



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: 47.299 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005772.D

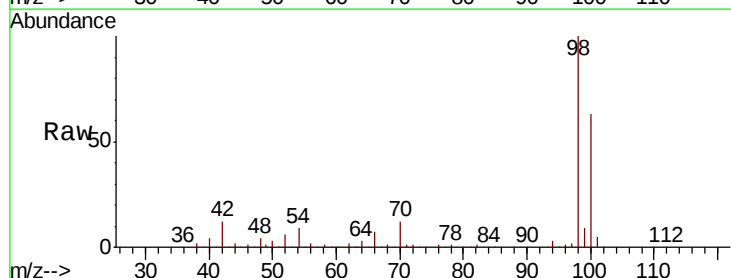
Acq: 05 Nov 2018 12:31

Tgt Ion: 98 Resp: 262462

Ion Ratio Lower Upper

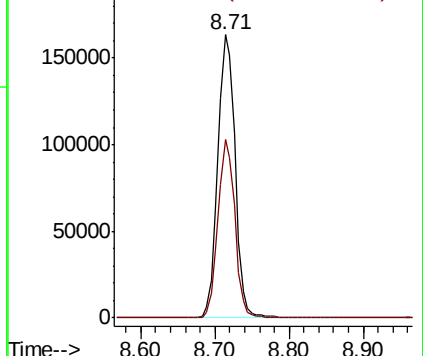
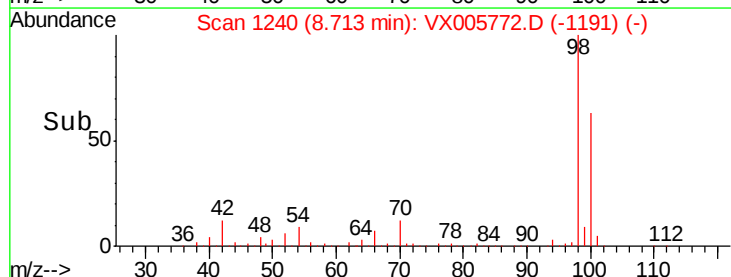
98 100

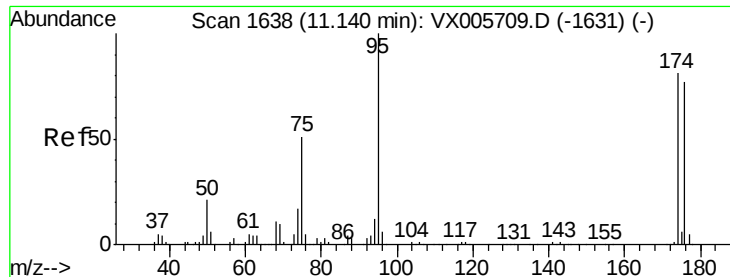
100 61.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 40.297 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

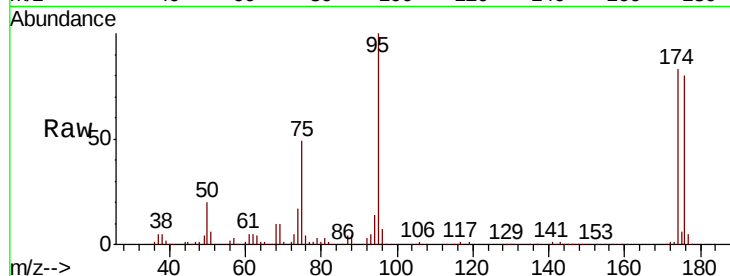
Tot Ion: 95 Resp: 82526

Ion Ratio Lower Upper

95 100

174 80.6 0.0 184.4

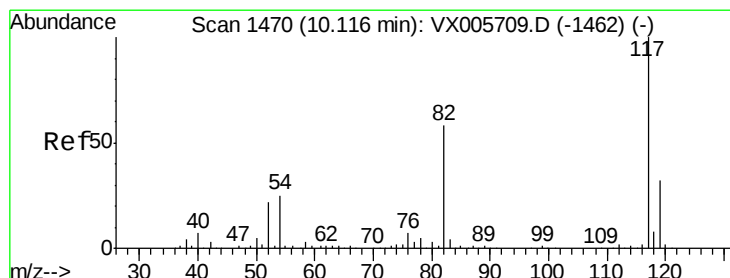
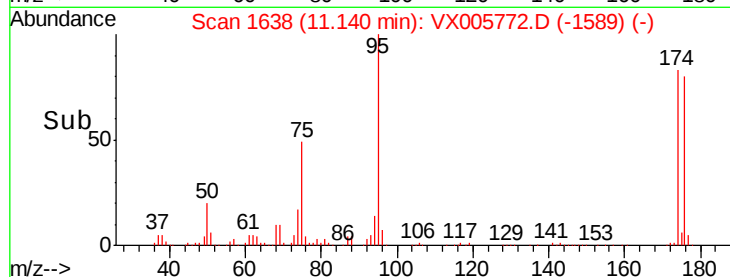
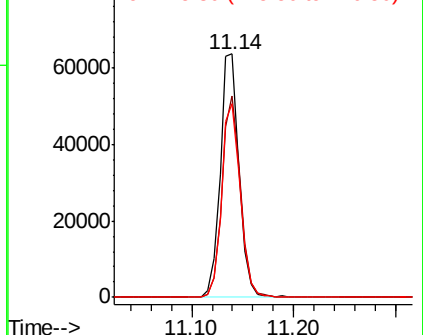
176 78.5 0.0 177.4



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: VX005772.D

Acq: 05 Nov 2018 12:31

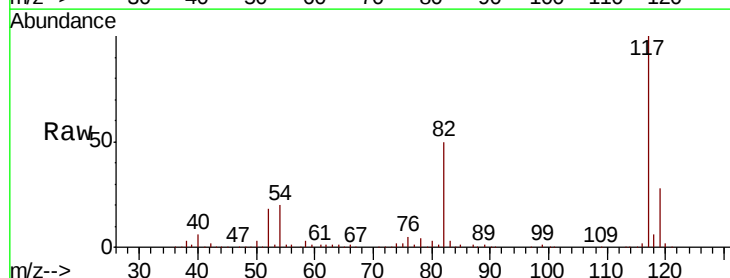
Tgt Ion: 117 Resp: 215011

Ion Ratio Lower Upper

117 100

82 49.9 44.1 66.1

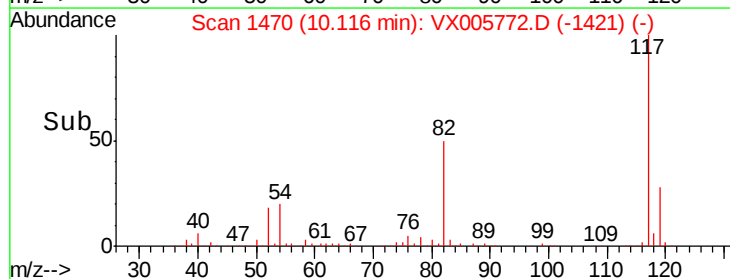
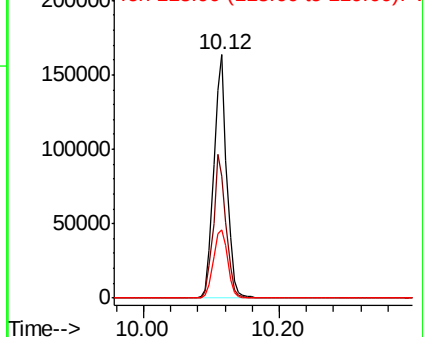
119 28.3 26.2 39.2

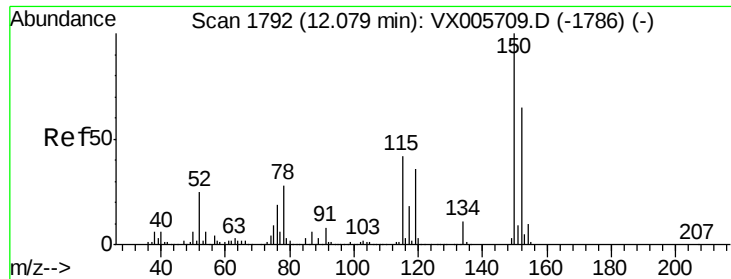


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

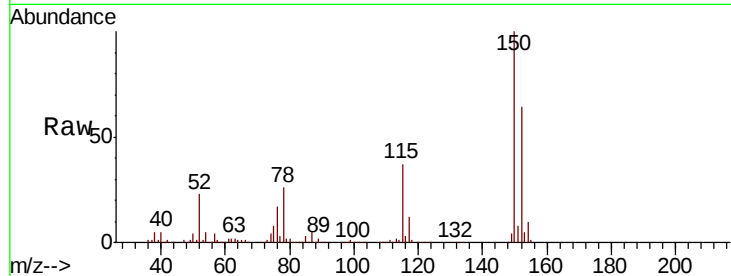
Tot Ion:152 Resp: 81957

Ion Ratio Lower Upper

152 100

115 59.7 39.4 118.1

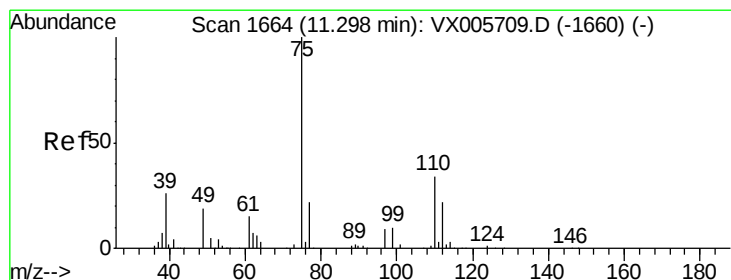
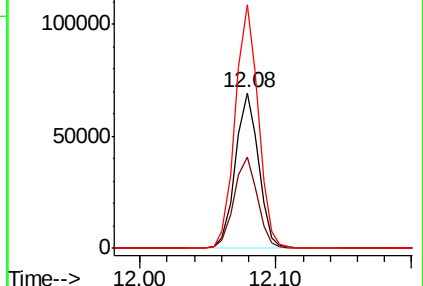
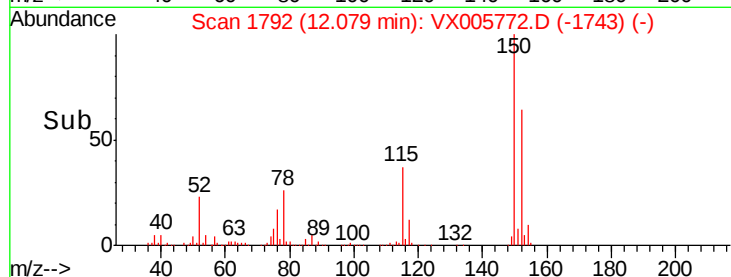
150 156.6 0.0 346.4



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: 20.812 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005772.D

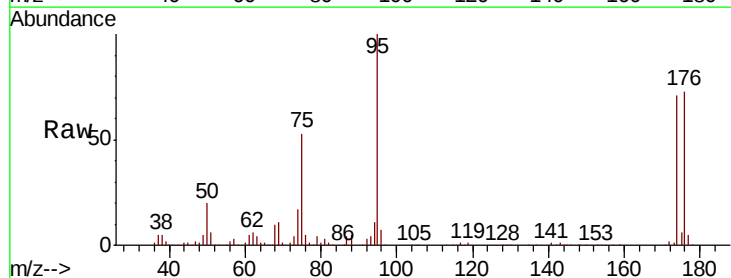
Acq: 05 Nov 2018 12:31

Tgt Ion: 75 Resp: 42482

Ion Ratio Lower Upper

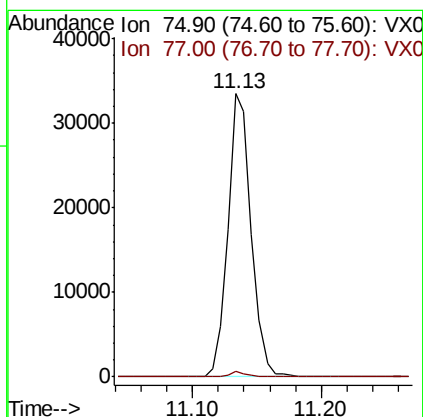
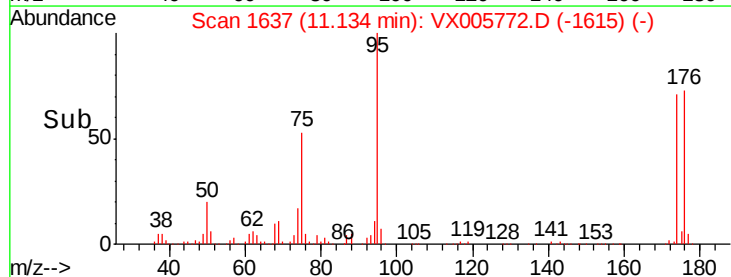
75 100

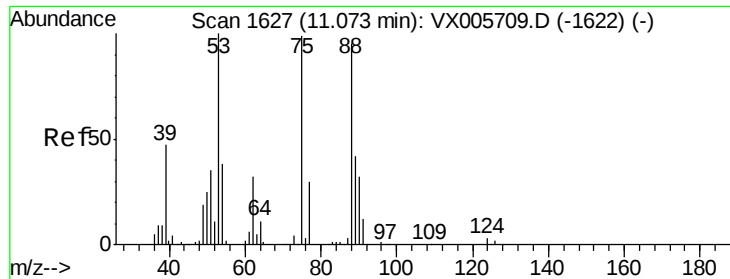
77 1.5 20.5 61.6#



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: 67.242 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005772.D

Acq: 05 Nov 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

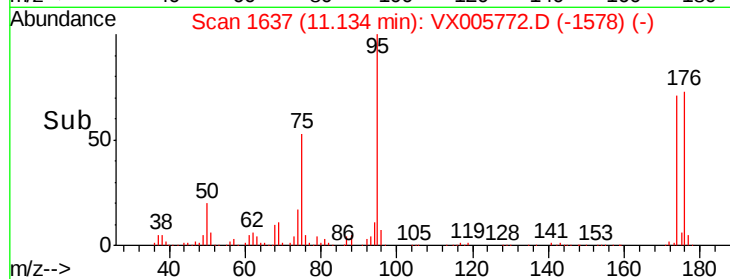
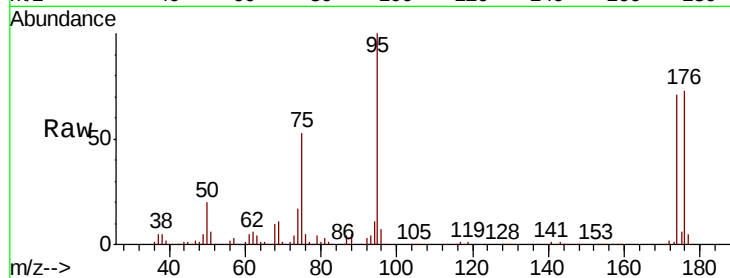
Tot Ion: 75 Resp: 42482

Ion Ratio Lower Upper

75 100

53 0.4 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

