

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015508.D
 Acq On : 06 Apr 2020 13:33
 Operator : JC/SP
 Sample : L2097-15 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40788

Quant Time: Apr 07 04:59:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1153249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1857250	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1823400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	987935	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	777418	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	5.47	113	584947	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.70	98	2265639	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	11.12	95	988838	55.67	ug/l	0.00
Spiked Amount			Recovery	=	111.34%	

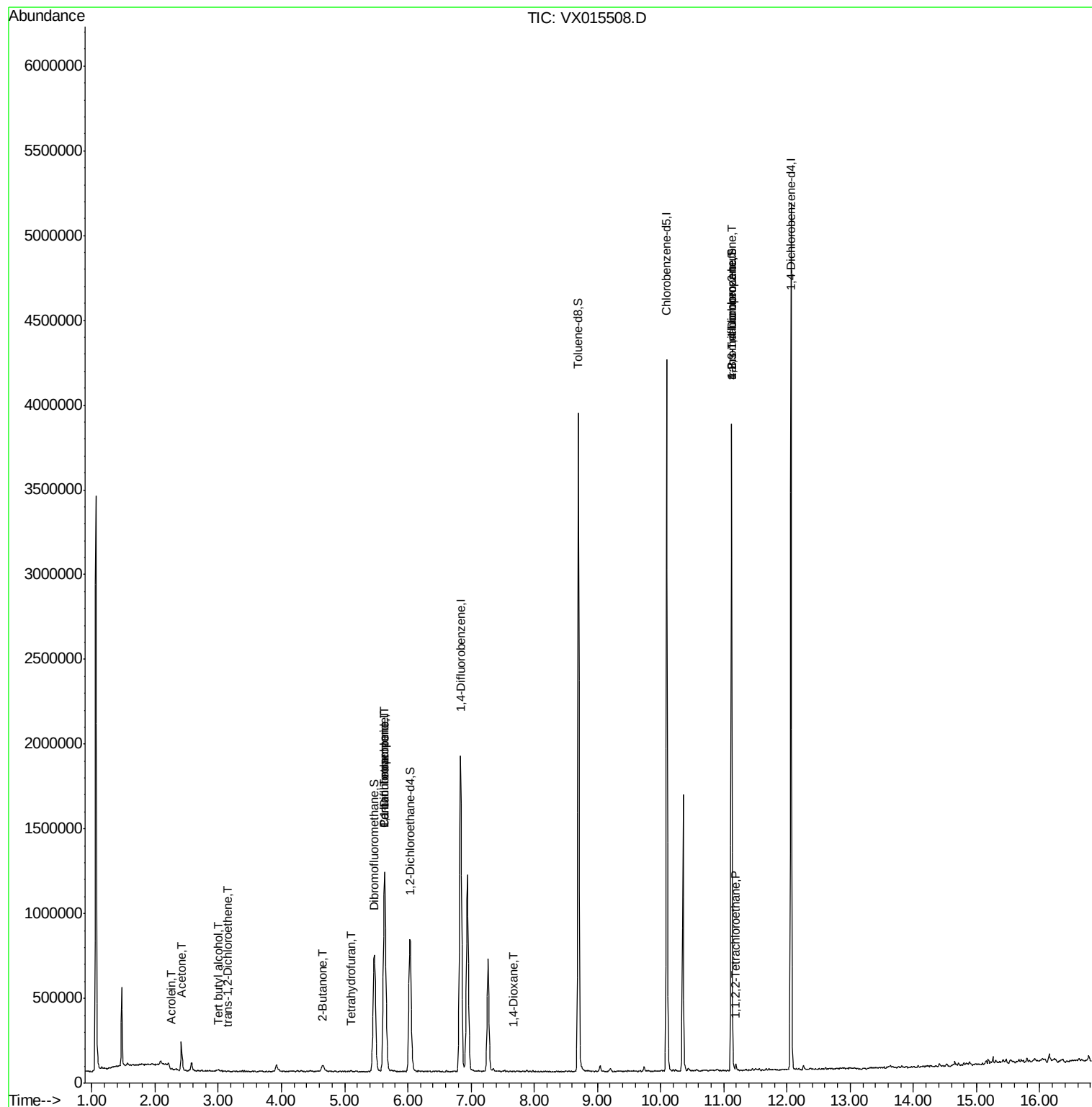
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	2003	Below Cal	#	9
11) Tert butyl alcohol	3.00	59	9579	2.460	ug/l #	83
13) Acrolein	2.26	56	2150	0.969	ug/l #	53
16) Acetone	2.42	43	178594	25.557	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	2457	0.203	ug/l #	24
25) 2-Butanone	4.65	43	19463	1.732	ug/l	100
29) Tetrahydrofuran	5.11	42	2791	0.386	ug/l #	51
36) 1,1-Dichloropropene	5.63	75	87653	5.122	ug/l #	53
38) Carbon Tetrachloride	5.64	117	109870	5.928	ug/l #	16
49) 1,4-Dioxane	7.67	88	583	1.663	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.19	83	14751	0.664	ug/l #	36
76) 1,2,3-Trichloropropane	11.12	75	511920	25.198	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	511920	60.461	ug/l #	10

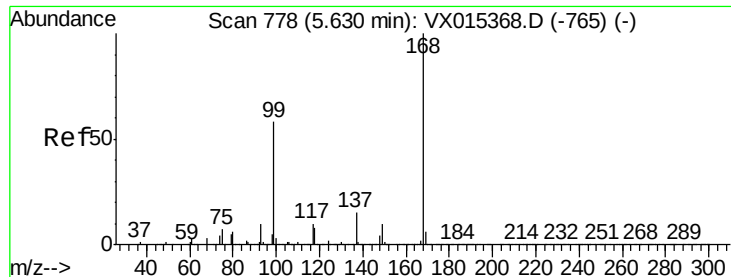
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040620\
Data File : VX015508.D
Acq On : 06 Apr 2020 13:33
Operator : JC/SP
Sample : L2097-15 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
40788

Quant Time: Apr 07 04:59:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

Instrument :

MSVOA_X

ClientSampleId :

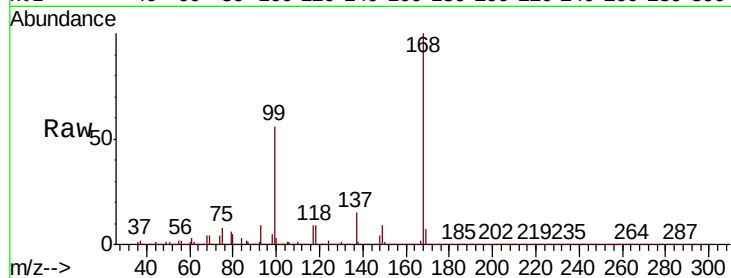
40788

Tot Ion:168 Resp: 1153249

Ion Ratio Lower Upper

168 100

99 56.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

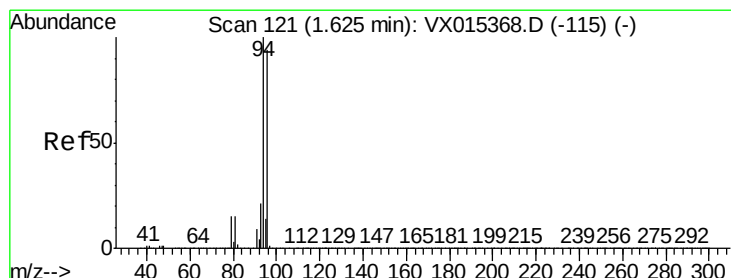
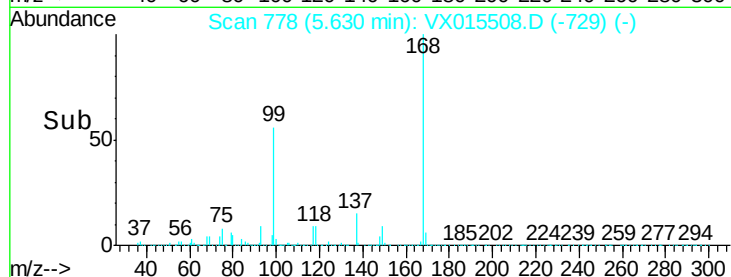
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX015508.D

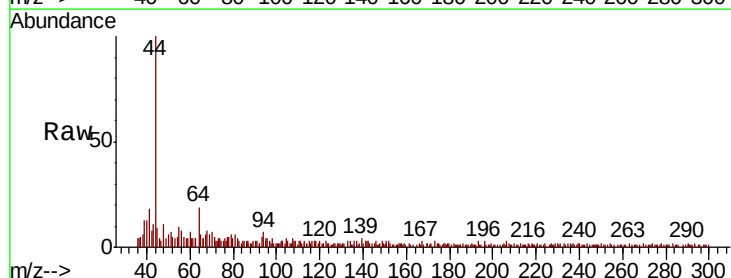
Acq: 06 Apr 2020 13:33

Tgt Ion: 94 Resp: 2003

Ion Ratio Lower Upper

94 100

96 5.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

1000

800

600

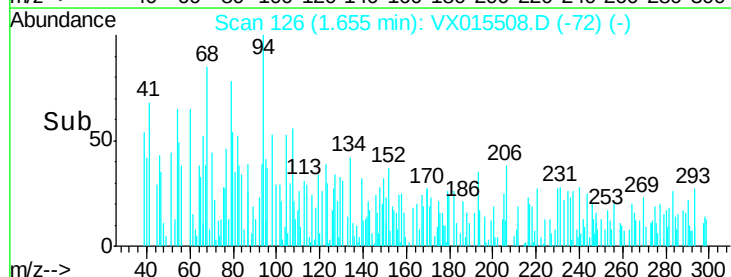
400

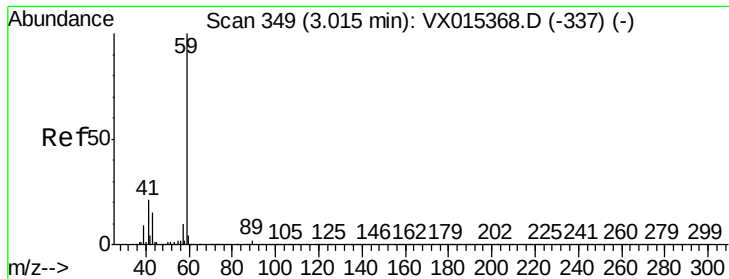
200

0

Time-->

1.60 1.65 1.70

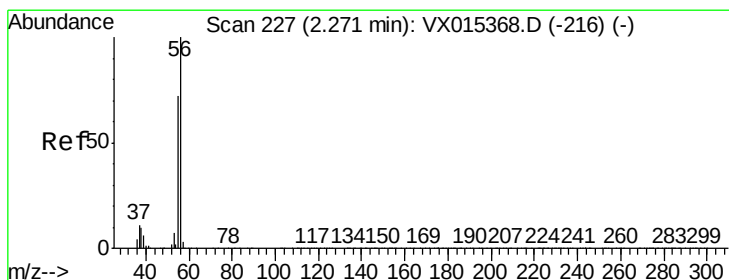
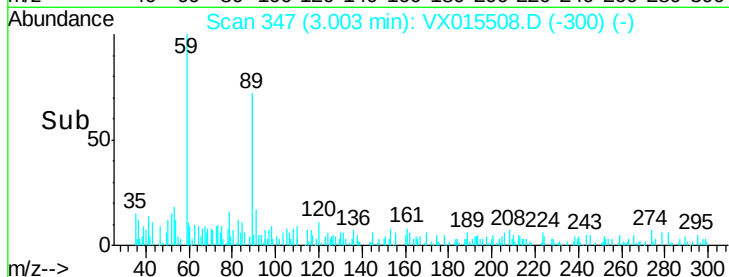
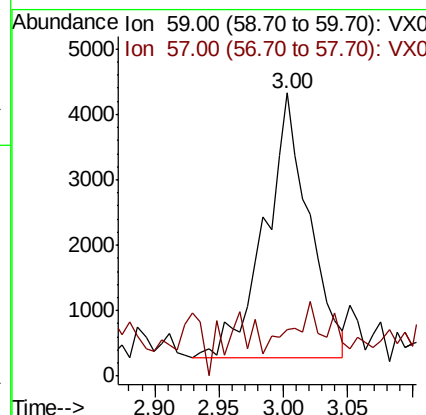
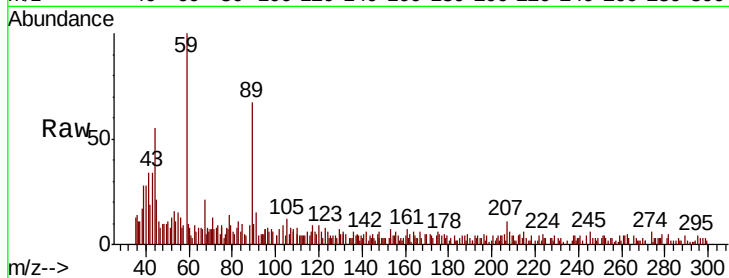




#11
Tert butyl alcohol
Concen: 2.460 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015508.D
Acq: 06 Apr 2020 13:33

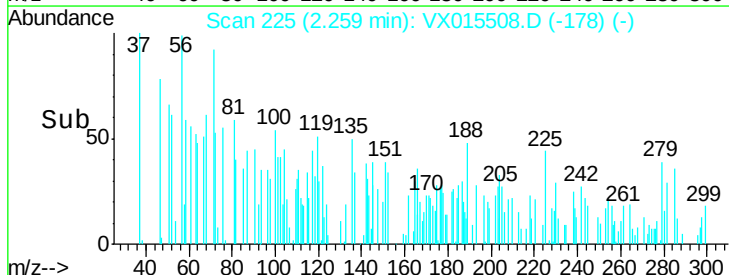
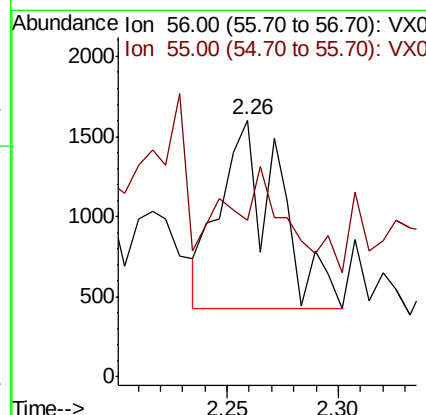
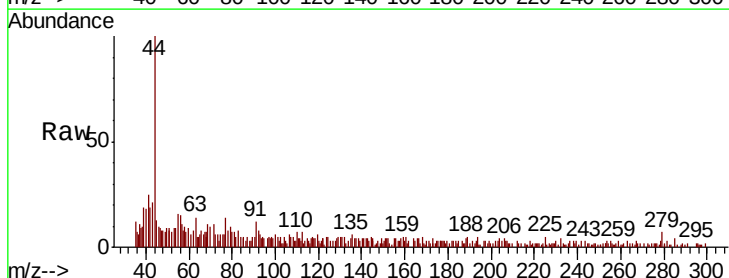
Instrument :
MSVOA_X
ClientSampleId :
40788

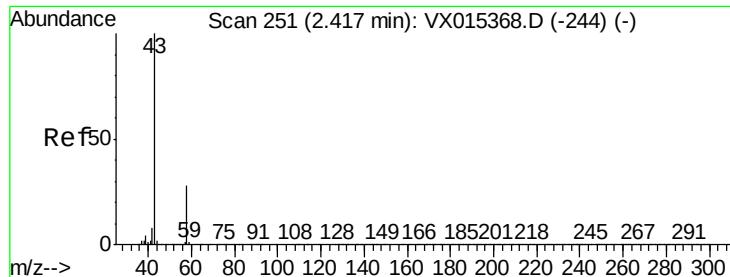
Tot Ion: 59 Resp: 9579
Ion Ratio Lower Upper
59 100
57 3.7 8.1 12.1#



#13
Acrolein
Concen: 0.969 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX015508.D
Acq: 06 Apr 2020 13:33

Tgt Ion: 56 Resp: 2150
Ion Ratio Lower Upper
56 100
55 32.2 57.0 85.4#





#16

Acetone

Concen: 25.557 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

Instrument :

MSVOA_X

ClientSampleId :

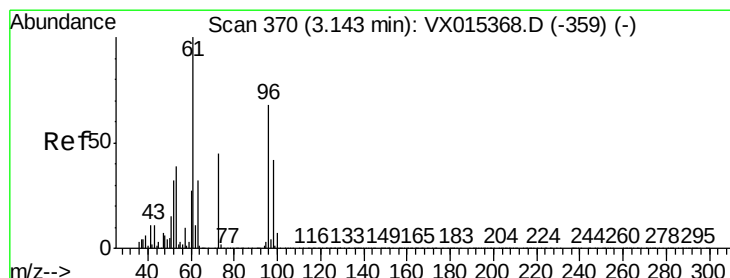
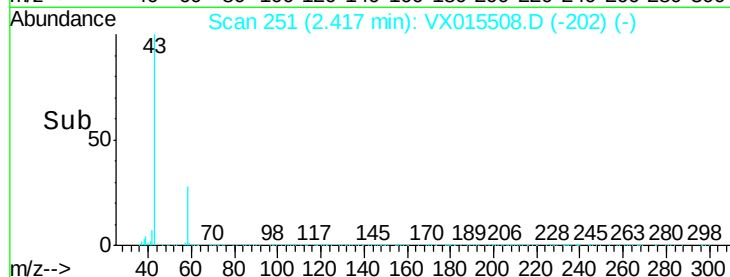
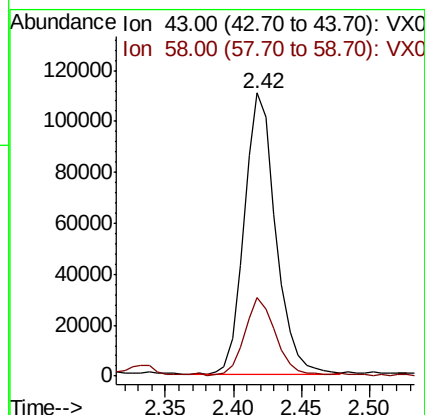
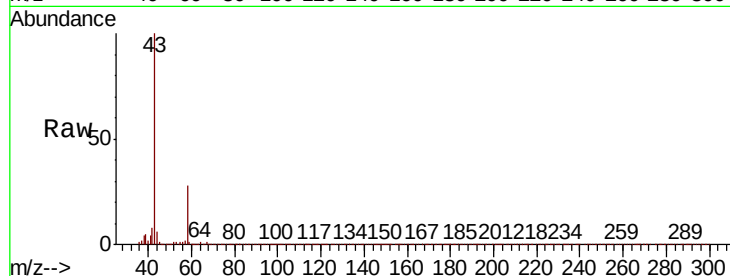
40788

Tot Ion: 43 Resp: 178594

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1



#21

trans-1,2-Dichloroethene

Concen: 0.203 ug/l

RT: 3.14 min Scan# 369

Delta R.T. -0.01 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

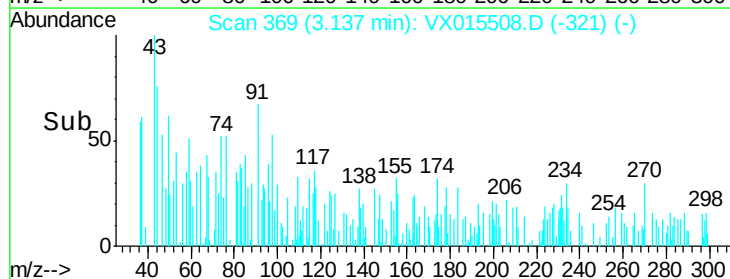
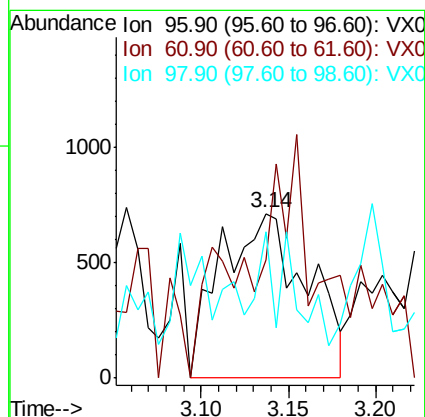
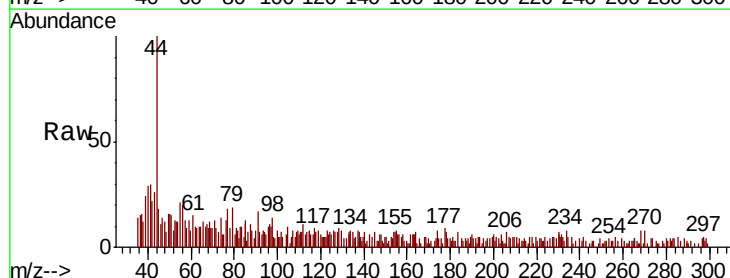
Tgt Ion: 96 Resp: 2457

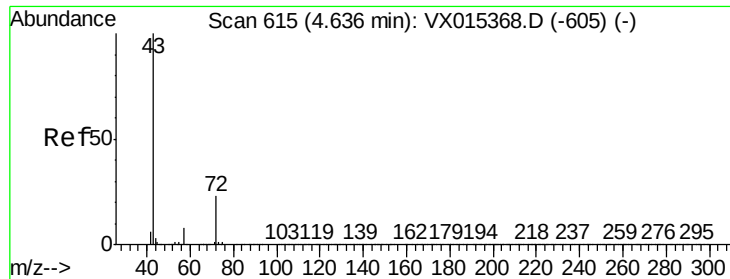
Ion Ratio Lower Upper

96 100

61 13.8 116.9 175.3#

98 56.4 48.6 73.0





#25

2-Butanone

Concen: 1.732 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.02 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

Instrument :

MSVOA_X

ClientSampleId :

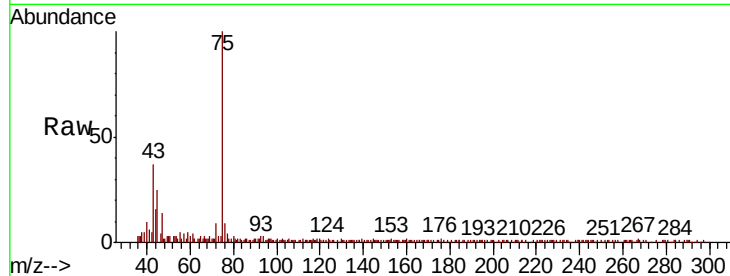
40788

Tot Ion: 43 Resp: 19463

Ion Ratio Lower Upper

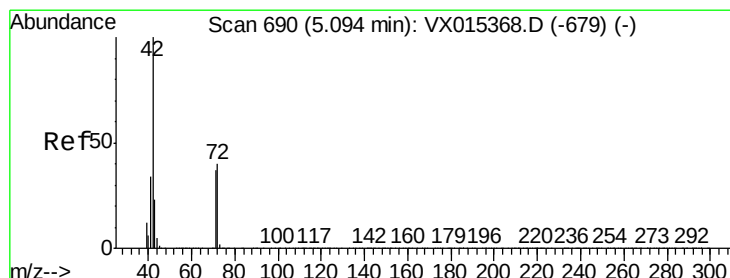
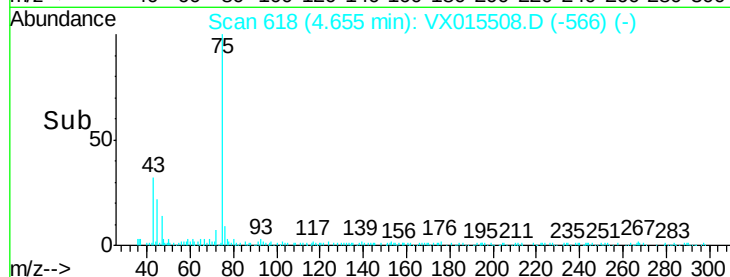
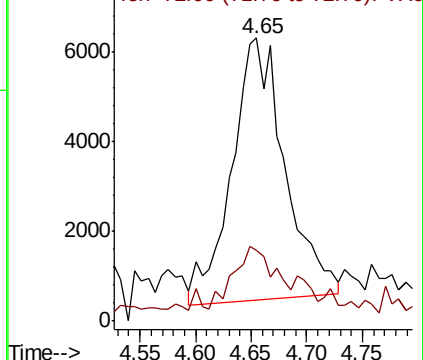
43 100

72 23.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

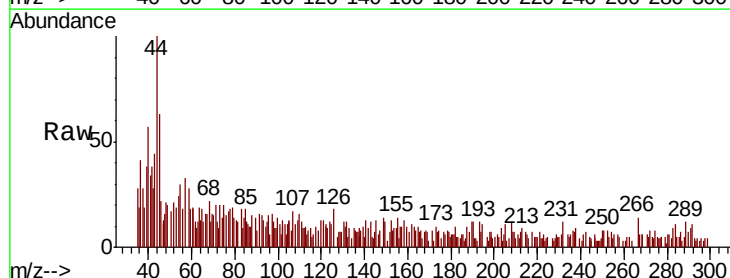
Tgt Ion: 42 Resp: 2791

Ion Ratio Lower Upper

42 100

72 17.3 31.7 47.5#

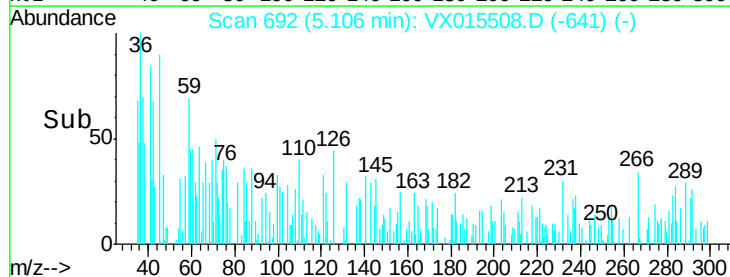
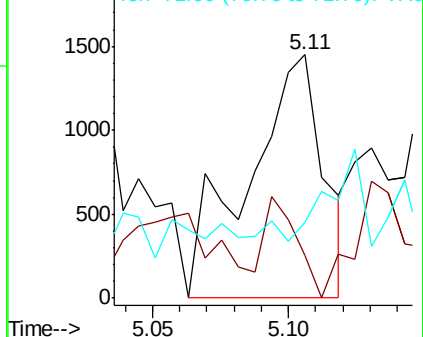
71 0.0 29.6 44.4#

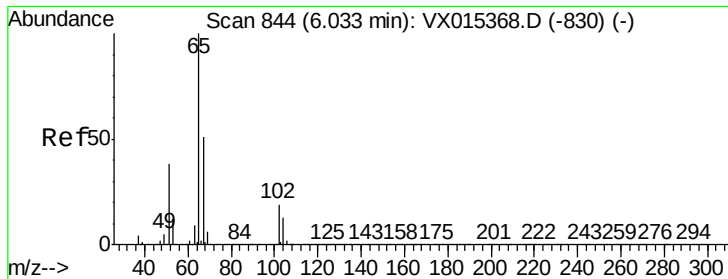


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

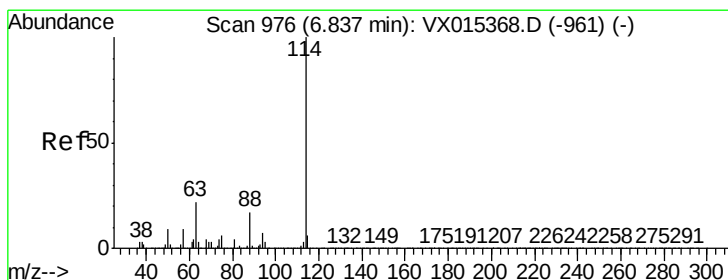
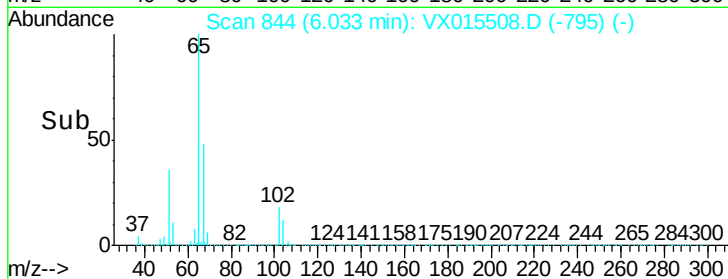
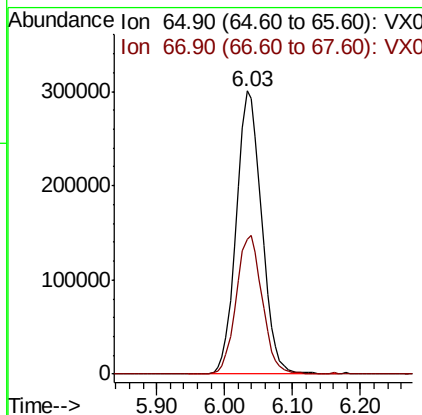




#33
 1,2-Dichloroethane-d4
 Concen: 47.796 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015508.D
 Acq: 06 Apr 2020 13:33

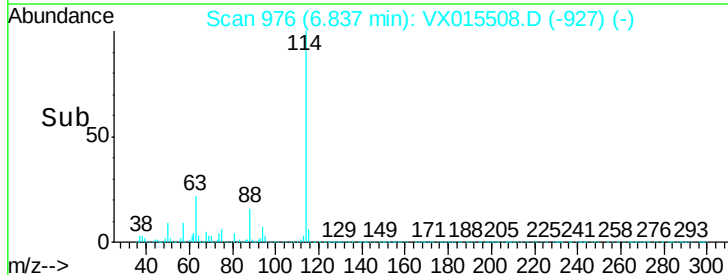
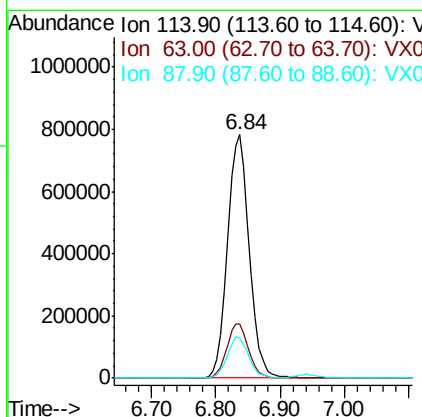
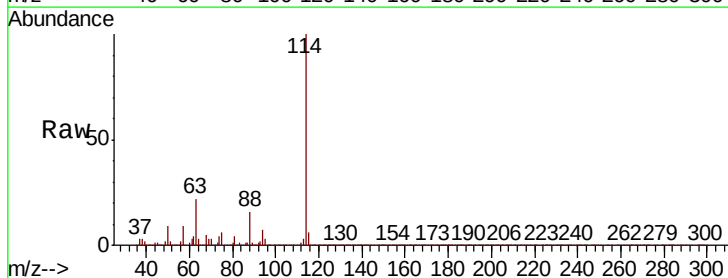
Instrument :
 MSVOA_X
 ClientSampleId :
 40788

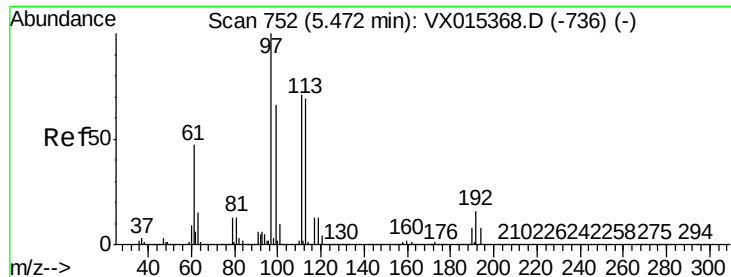
Tot Ion: 65 Resp: 777418
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015508.D
 Acq: 06 Apr 2020 13:33

Tgt Ion: 114 Resp: 1857250
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.2
 88 16.4 0.0 33.8

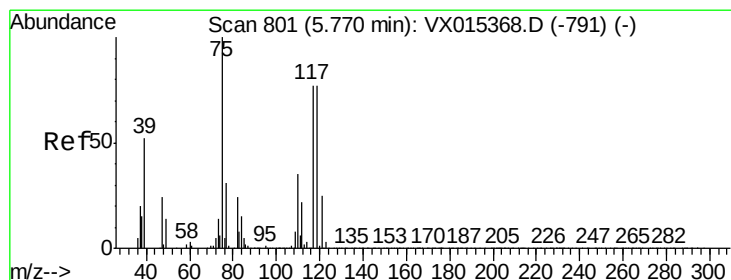
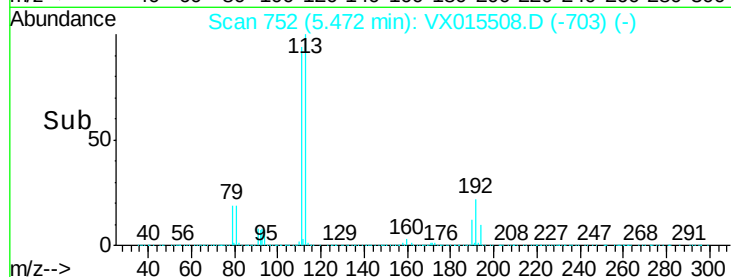
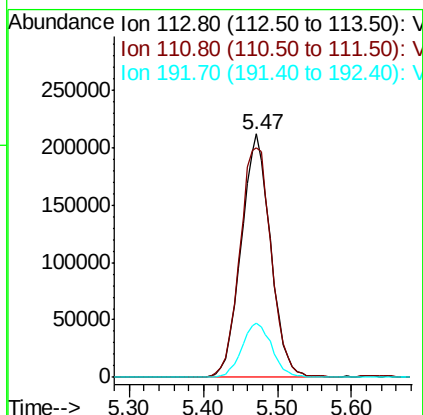
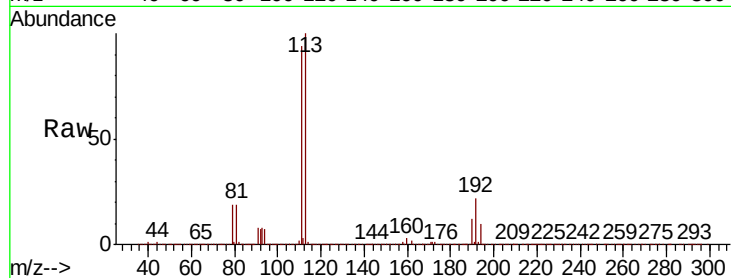




#35
 Dibromofluoromethane
 Concen: 49.271 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015508.D
 Acq: 06 Apr 2020 13:33

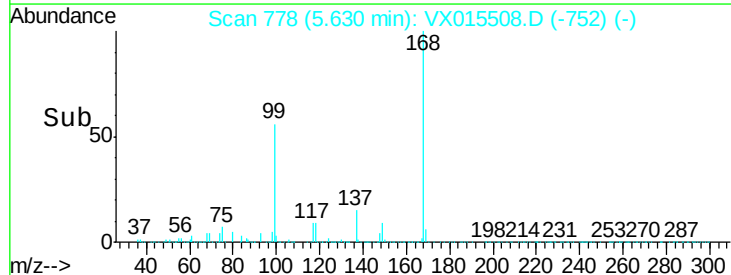
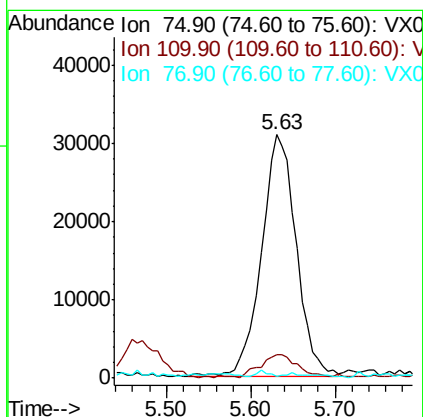
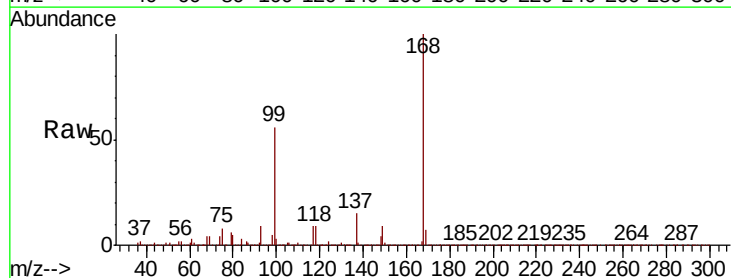
Instrument :
 MSVOA_X
 ClientSampled :
 40788

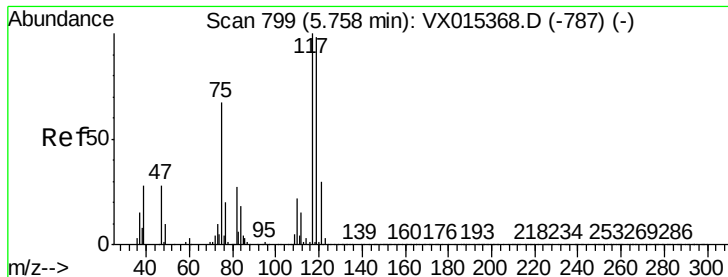
Tot Ion:113 Resp: 584947
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.5 122.3
 192 22.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 5.122 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015508.D
 Acq: 06 Apr 2020 13:33

Tgt Ion: 75 Resp: 87653
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.1 51.3#
 77 0.7 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

Instrument :

MSVOA_X

ClientSampled :

40788

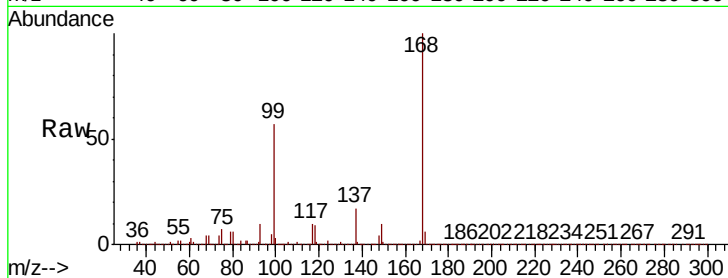
Tot Ion:117 Resp: 109870

Ion Ratio Lower Upper

117 100

119 5.3 78.0 117.0#

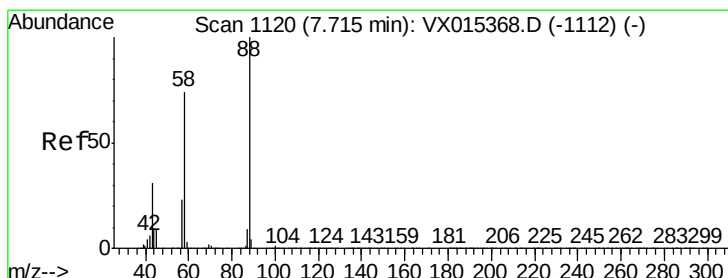
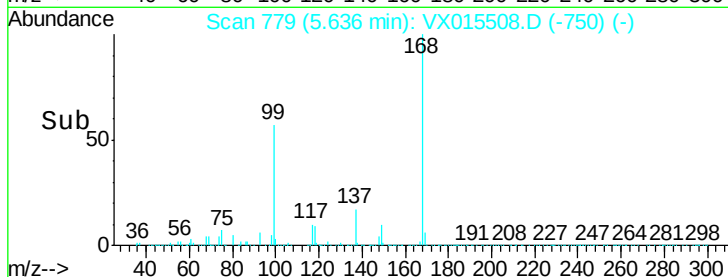
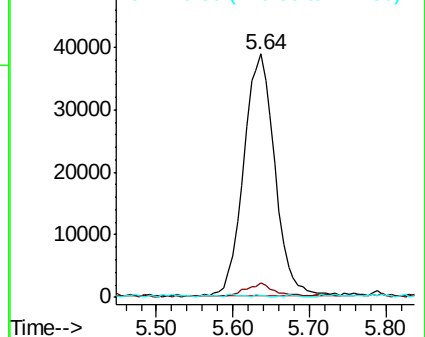
121 0.5 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.663 ug/l

RT: 7.67 min Scan# 1112

Delta R.T. -0.05 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

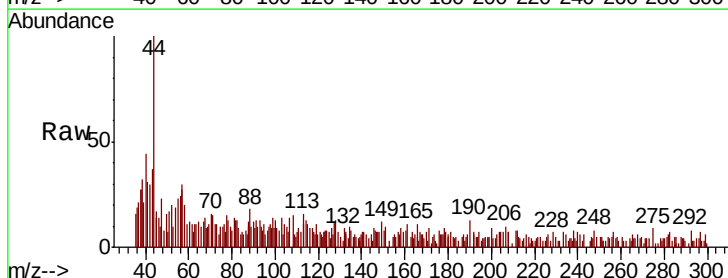
Tgt Ion: 88 Resp: 583

Ion Ratio Lower Upper

88 100

43 34.6 30.1 45.1

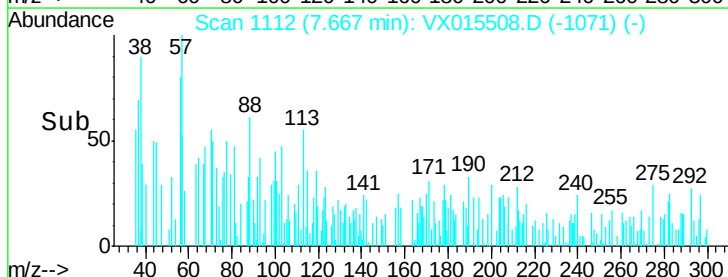
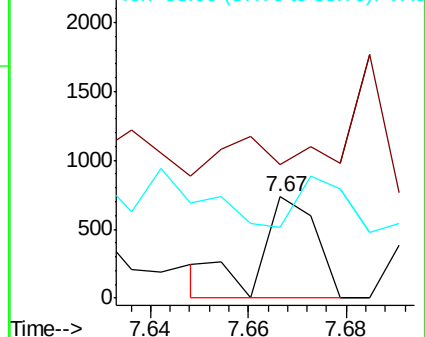
58 84.4 60.6 90.8

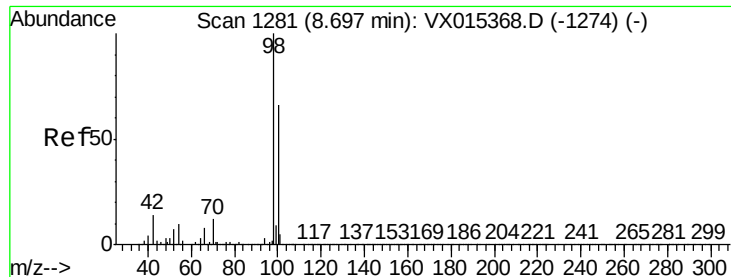


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.834 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

Instrument :

MSVOA_X

ClientSampleId :

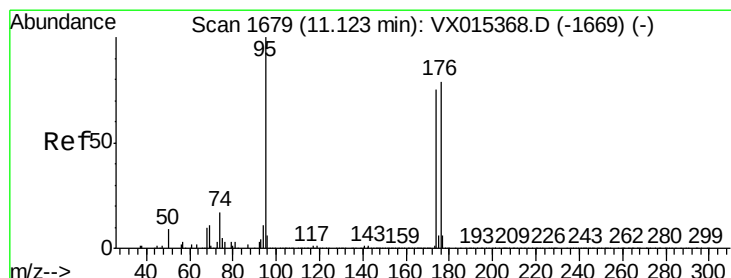
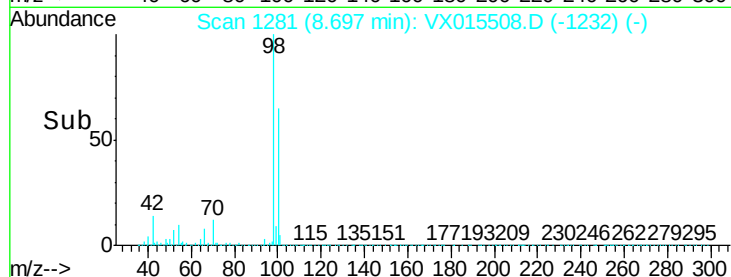
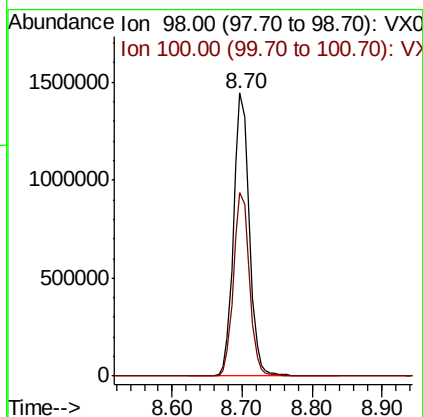
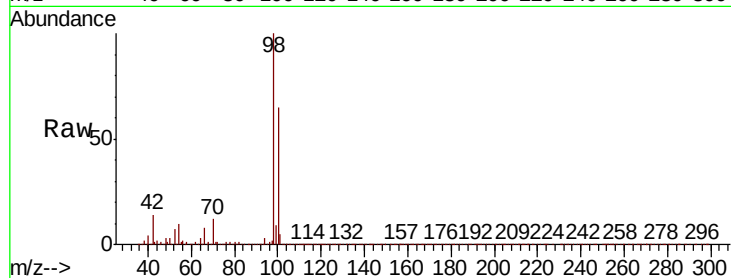
40788

Tot Ion: 98 Resp: 2265639

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 55.666 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

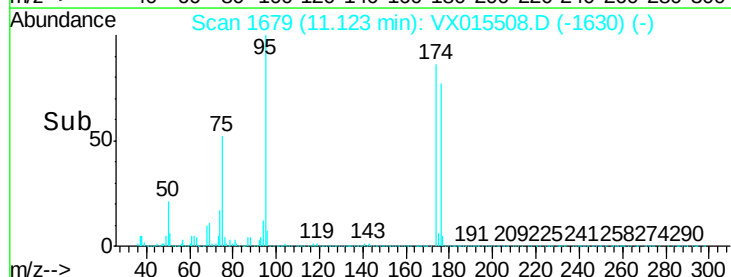
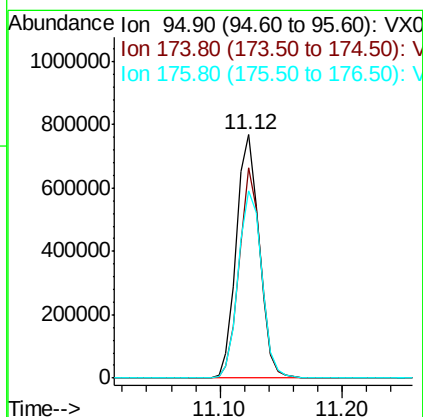
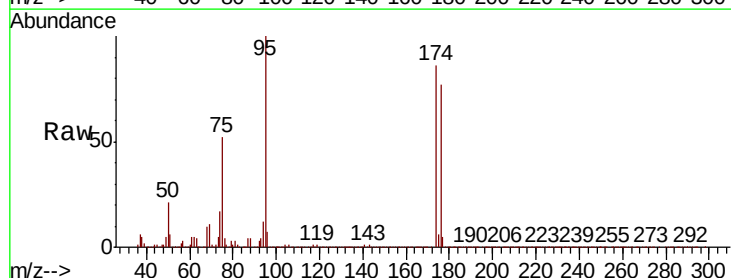
Tgt Ion: 95 Resp: 988838

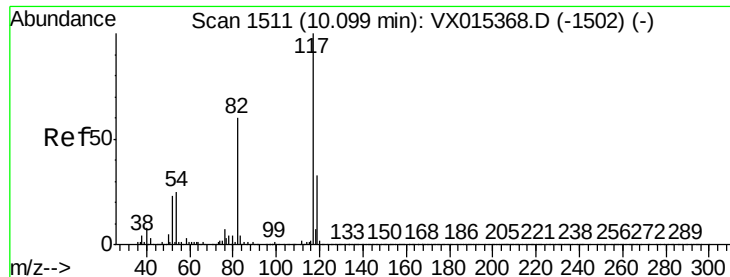
Ion Ratio Lower Upper

95 100

174 81.6 0.0 158.6

176 78.9 0.0 159.0

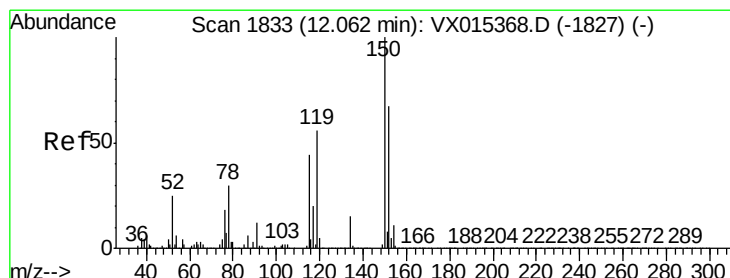
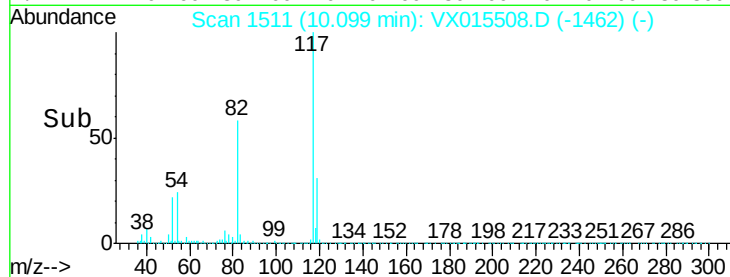
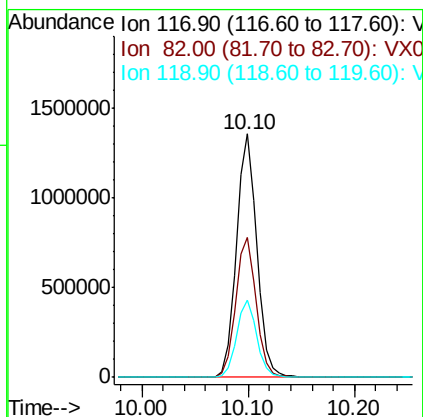
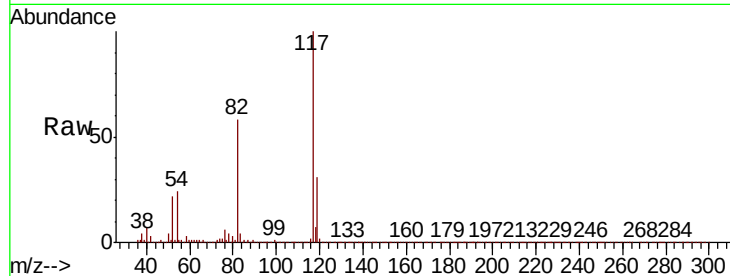




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015508.D
Acq: 06 Apr 2020 13:33

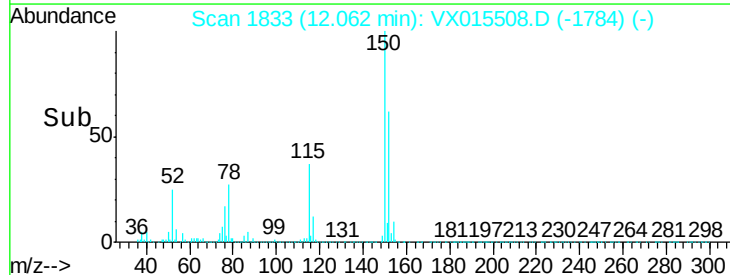
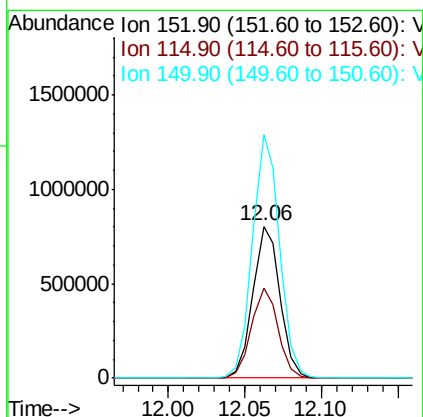
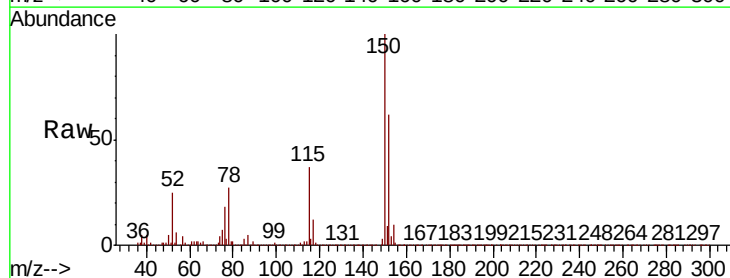
Instrument :
MSVOA_X
ClientSampled :
40788

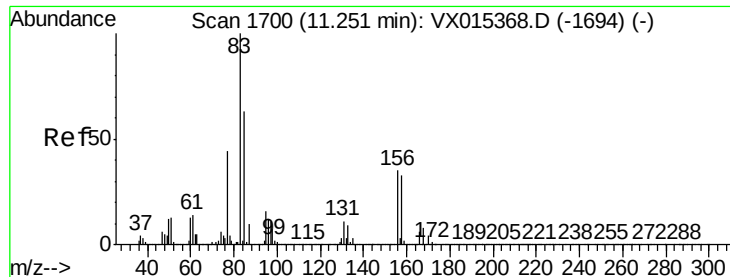
Tot Ion:117 Resp: 1823400
Ion Ratio Lower Upper
117 100
82 57.6 47.8 71.8
119 31.5 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015508.D
Acq: 06 Apr 2020 13:33

Tgt Ion:152 Resp: 987935
Ion Ratio Lower Upper
152 100
115 58.5 39.0 116.9
150 160.5 0.0 340.8





#75

1,1,2,2-Tetrachloroethane

Concen: 0.664 ug/l

RT: 11.19 min Scan# 1690

Delta R.T. -0.06 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

Instrument :

MSVOA_X

ClientSampled :

40788

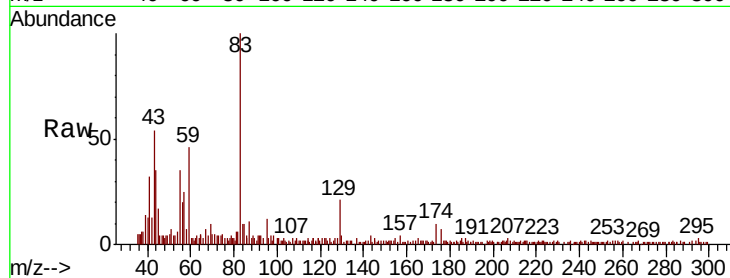
Tot Ion: 83 Resp: 14751

Ion Ratio Lower Upper

83 100

131 1.2 5.3 16.1#

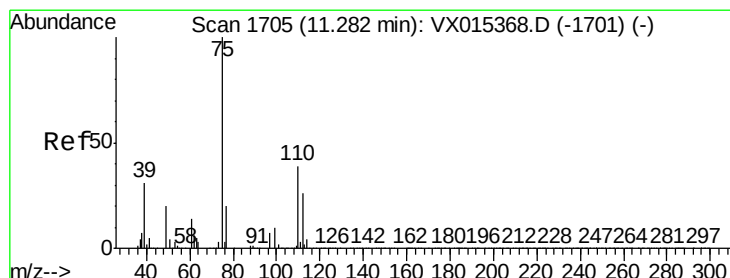
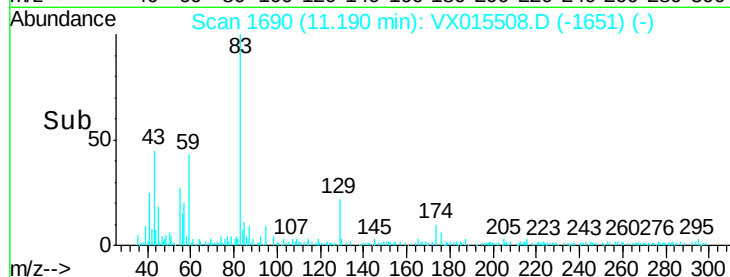
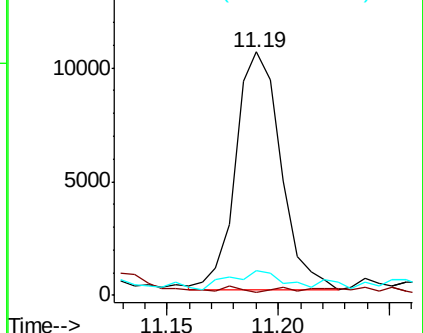
85 9.1 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.198 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015508.D

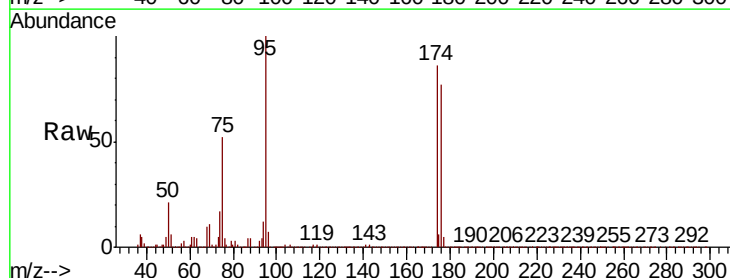
Acq: 06 Apr 2020 13:33

Tgt Ion: 75 Resp: 511920

Ion Ratio Lower Upper

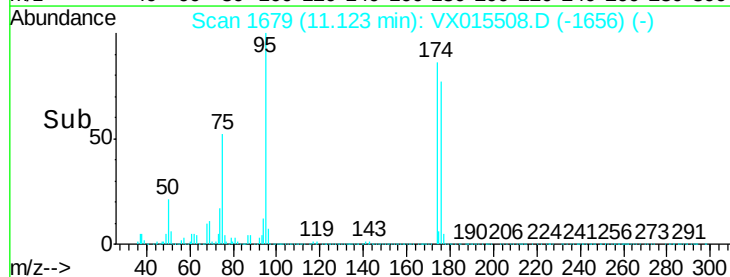
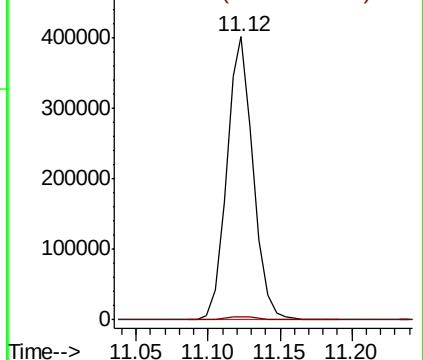
75 100

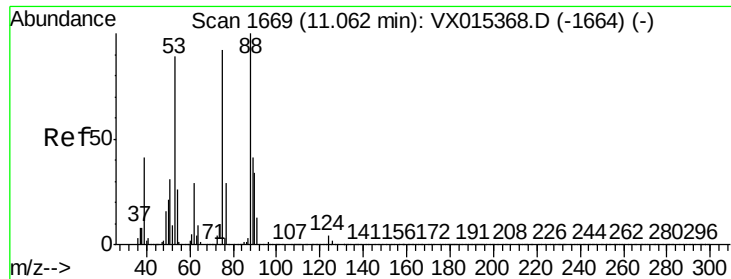
77 1.2 21.2 63.6#



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: 60.461 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015508.D

Acq: 06 Apr 2020 13:33

Instrument :

MSVOA_X

ClientSampleId :

40788

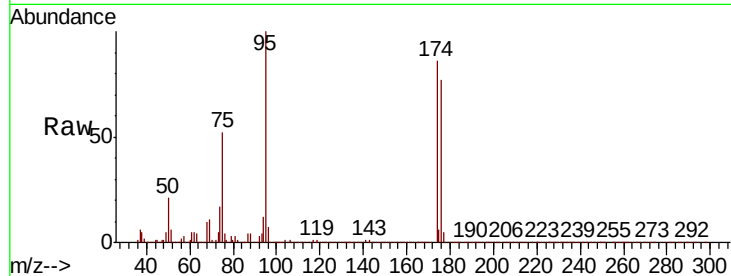
Tot Ion: 75 Resp: 511920

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



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

