

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018353.D
 Acq On : 11 Sep 2020 11:38
 Operator : JC/SP
 Sample : VX0911WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 05:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	446197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	710069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	658914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	310699	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	319625	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	5.46	113	249113	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	8.70	98	864969	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.12	95	312406	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

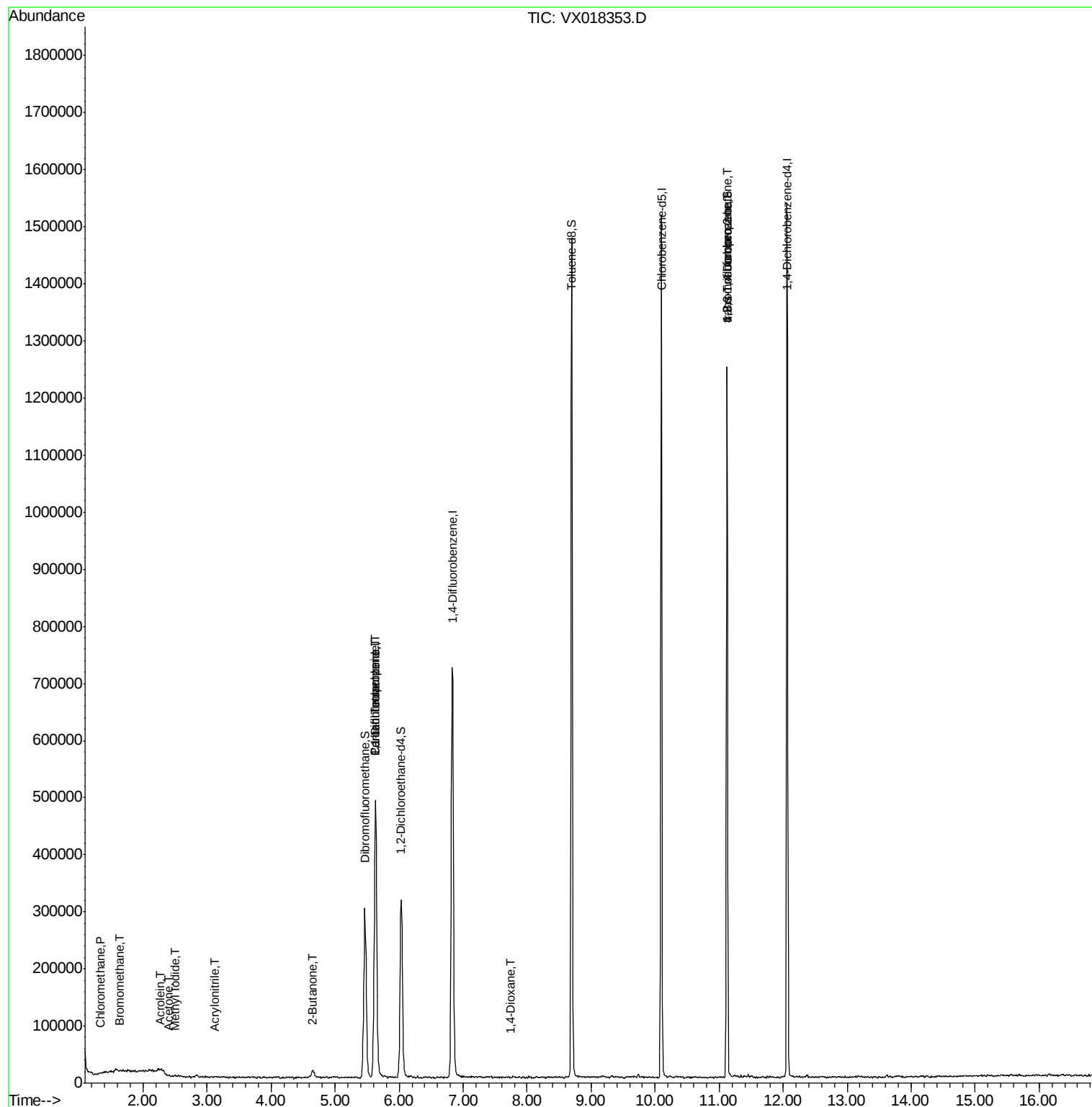
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1711	0.299	ug/l #	68
5) Bromomethane	1.64	94	1177	0.428	ug/l #	49
10) Methyl Iodide	2.50	142	1763	5.637	ug/l	93
13) Acrolein	2.26	56	440	0.881	ug/l	90
15) Acrylonitrile	3.12	53	571	0.209	ug/l #	14
16) Acetone	2.41	43	2011	0.833	ug/l #	85
20) Methylene Chloride	2.83	84	1738	Below Cal	#	69
25) 2-Butanone	4.65	43	881	0.222	ug/l #	78
36) 1,1-Dichloropropene	5.62	75	34808	5.315	ug/l #	54
38) Carbon Tetrachloride	5.63	117	47393	6.421	ug/l #	18
49) 1,4-Dioxane	7.74	88	177	1.598	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	159219	23.036	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	159219	62.218	ug/l #	12

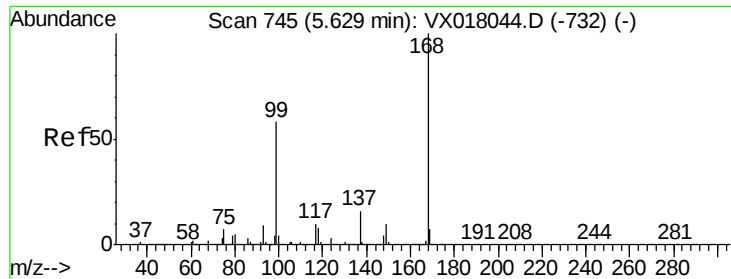
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

Instrument :

MSVOA_X

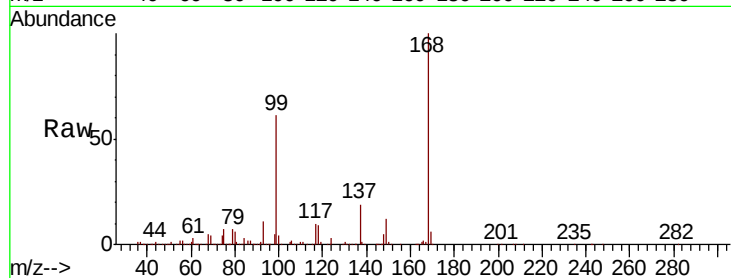
ClientSampleId :

Tot Ion:168 Resp: 446197

Ion Ratio Lower Upper

168 100

99 61.4 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

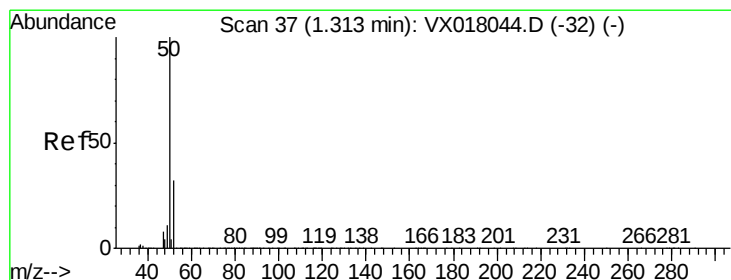
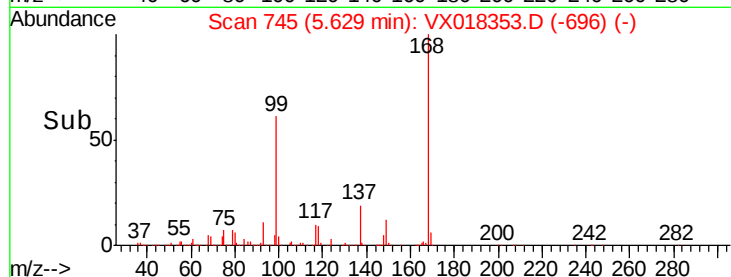
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.299 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018353.D

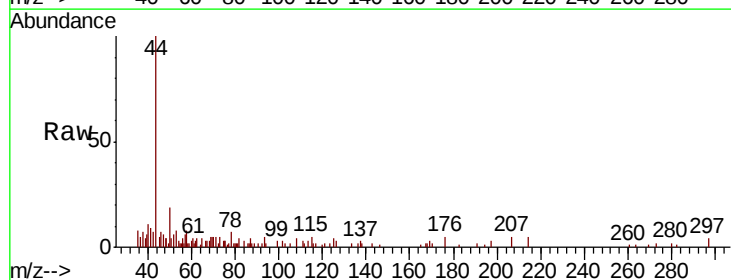
Acq: 11 Sep 2020 11:38

Tgt Ion: 50 Resp: 1711

Ion Ratio Lower Upper

50 100

52 14.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

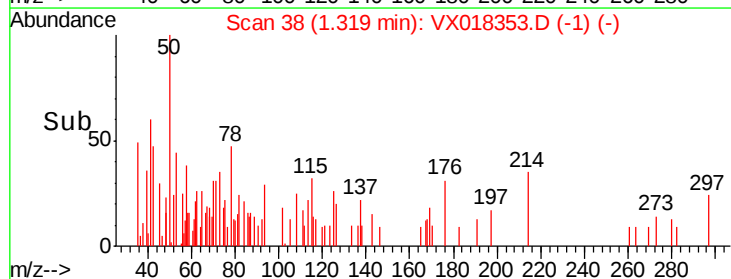
400

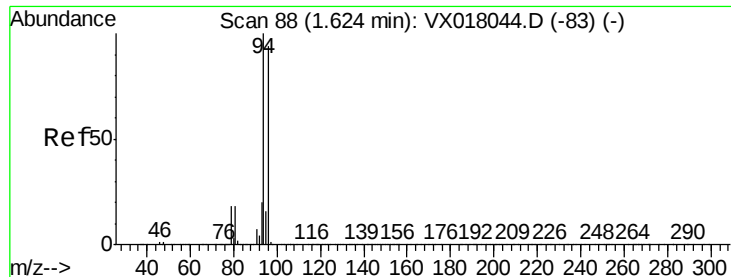
200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.428 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

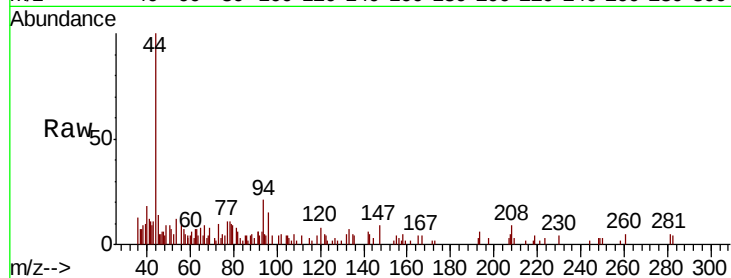
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 1177

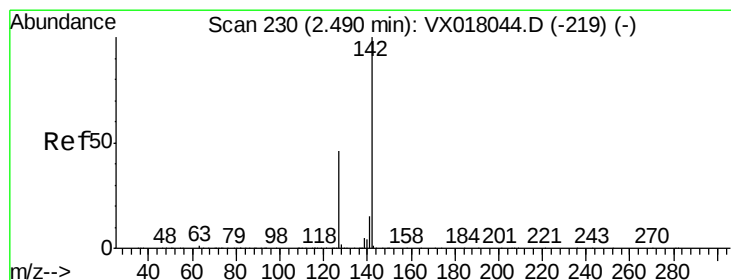
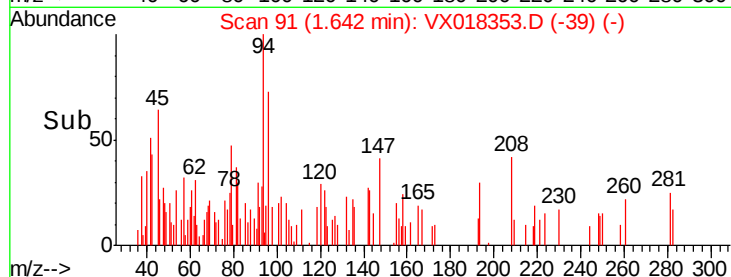
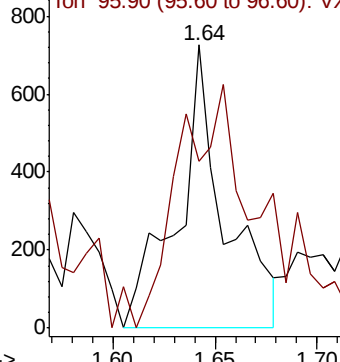
Ion Ratio Lower Upper

94 100

96 44.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.637 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

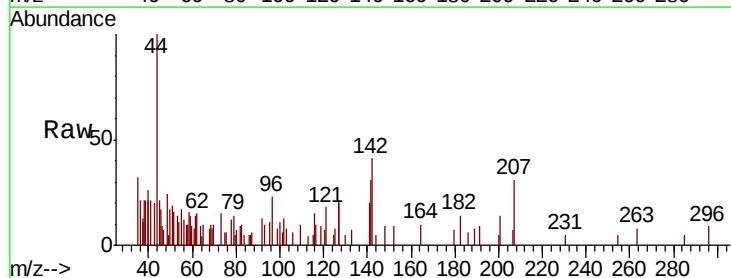
Tgt Ion: 142 Resp: 1763

Ion Ratio Lower Upper

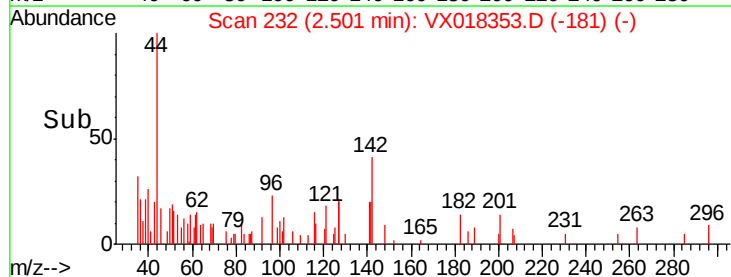
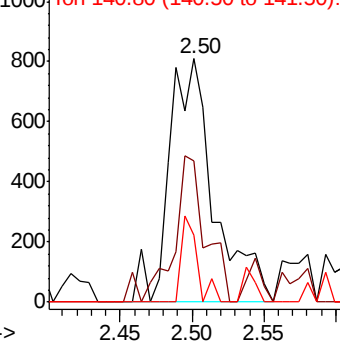
142 100

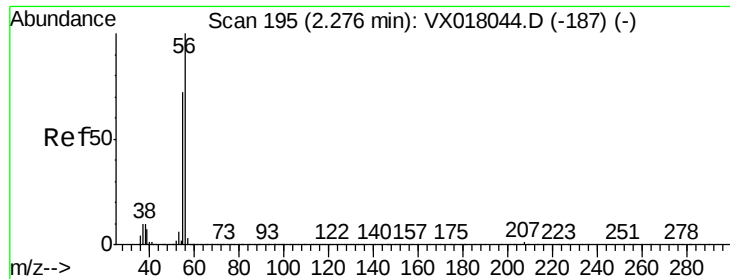
127 41.0 37.0 55.6

141 12.1 11.5 17.3



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

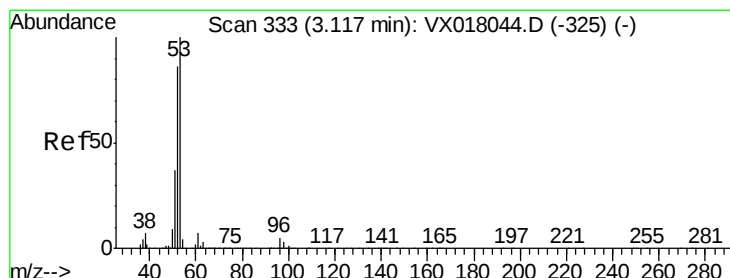
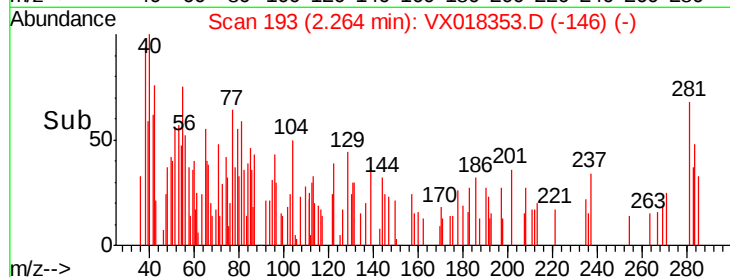
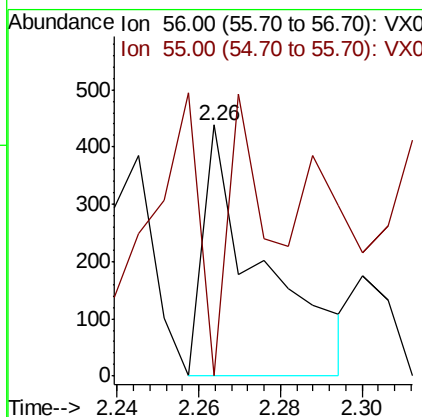
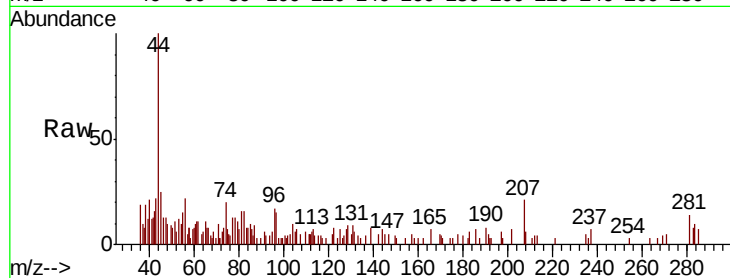




#13
Acrolein
Concen: 0.881 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018353.D
Acq: 11 Sep 2020 11:38

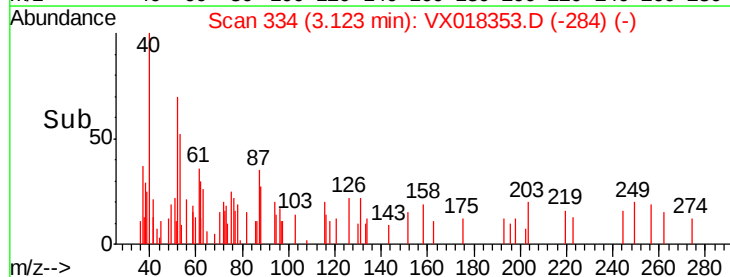
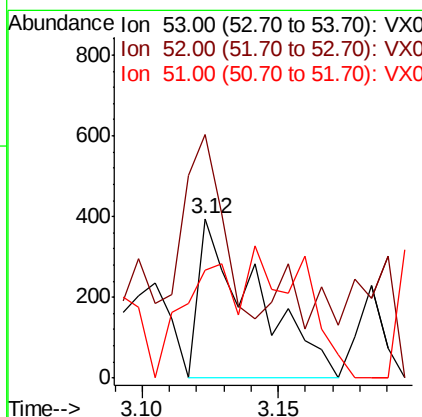
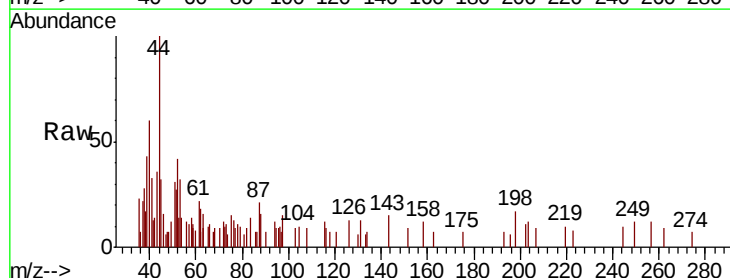
Instrument :
MSVOA_X
ClientSampled :

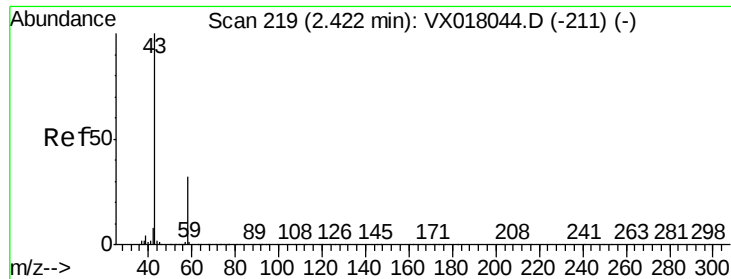
Tot Ion: 56 Resp: 440
Ion Ratio Lower Upper
56 100
55 79.8 57.0 85.6



#15
Acrylonitrile
Concen: 0.209 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX018353.D
Acq: 11 Sep 2020 11:38

Tgt Ion: 53 Resp: 571
Ion Ratio Lower Upper
53 100
52 173.9 66.9 100.3#
51 67.4 28.7 43.1#

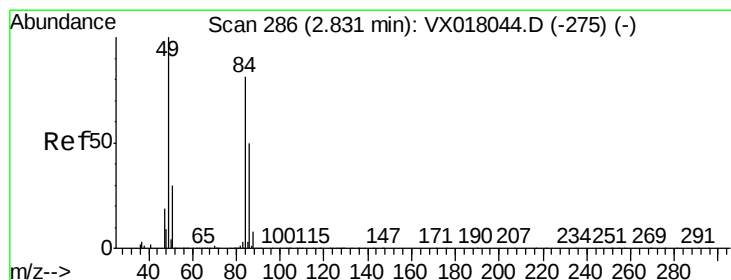
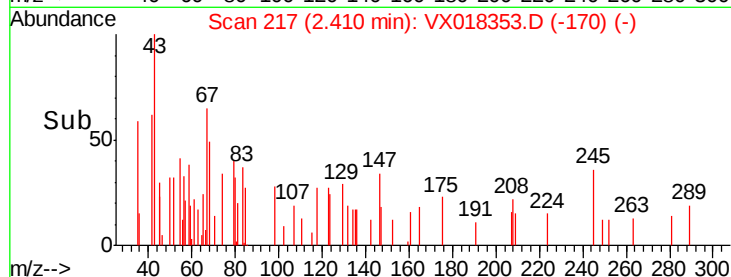
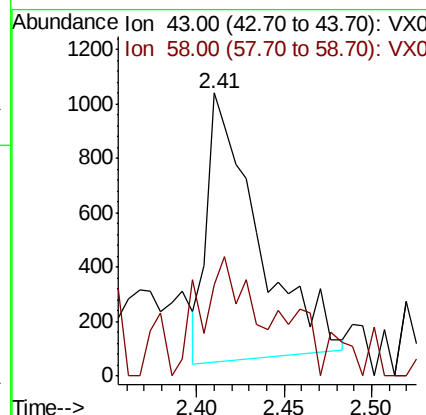
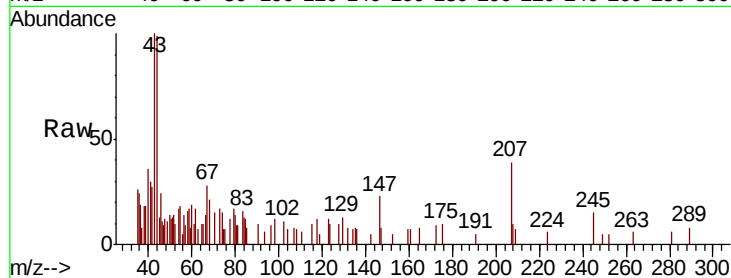




#16
Acetone
Concen: 0.833 ug/l
RT: 2.41 min Scan# 217
Delta R.T. -0.01 min
Lab File: VX018353.D
Acq: 11 Sep 2020 11:38

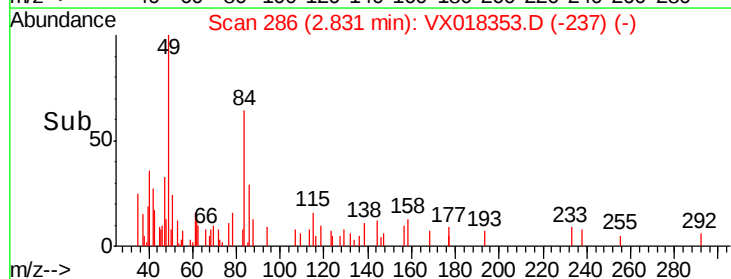
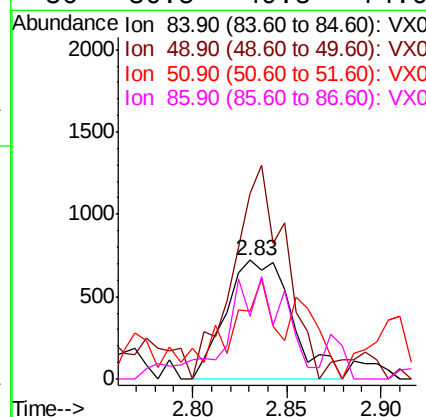
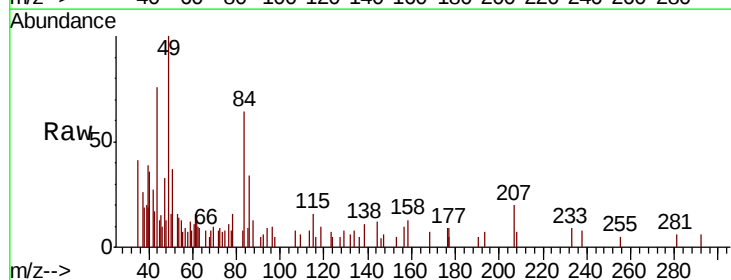
Instrument :
MSVOA_X
ClientSampled :

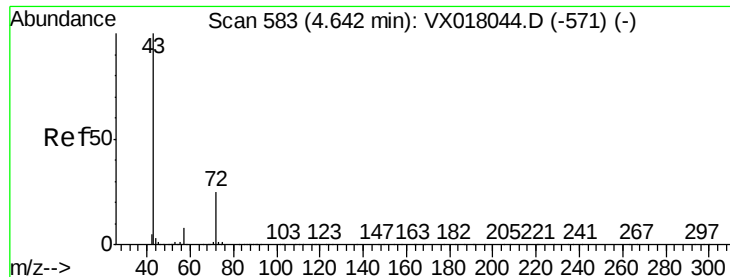
Tot Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
58 23.8 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018353.D
Acq: 11 Sep 2020 11:38

Tgt Ion: 84 Resp: 1738
Ion Ratio Lower Upper
84 100
49 156.7 98.6 148.0#
51 57.5 29.6 44.4#
86 36.5 49.8 74.6#





#25

2-Butanone

Concen: 0.222 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

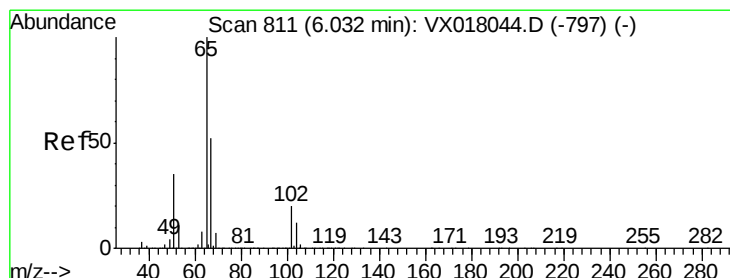
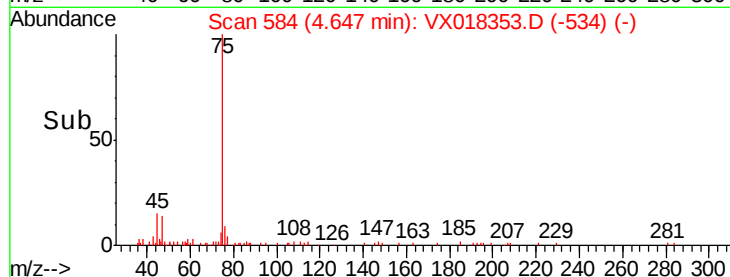
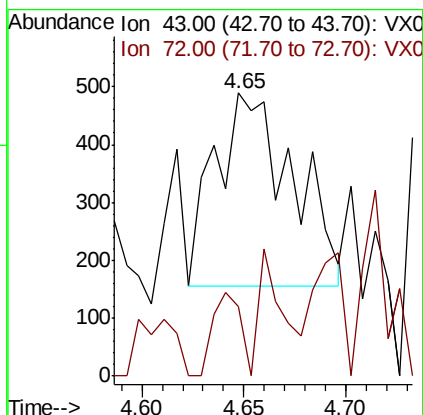
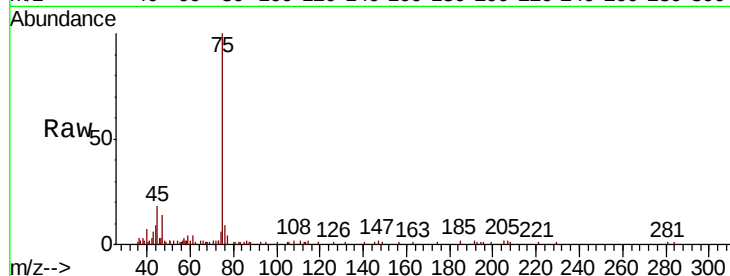
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

72 35.7 19.8 29.6#



#33

1,2-Dichloroethane-d4

Concen: 51.599 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018353.D

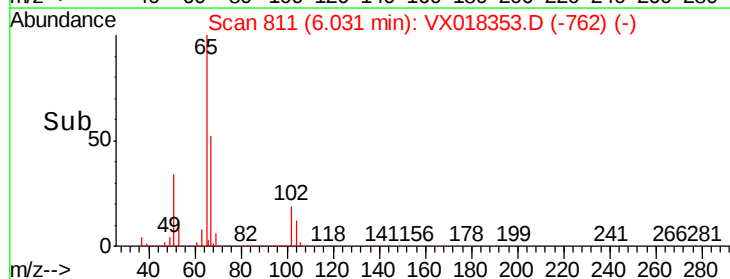
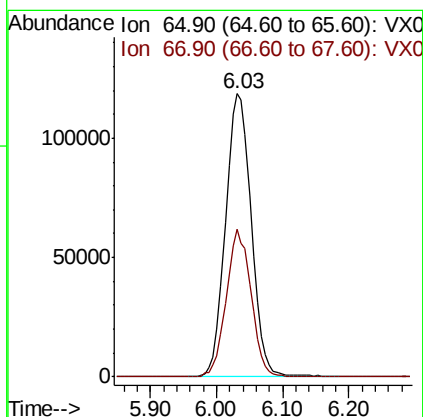
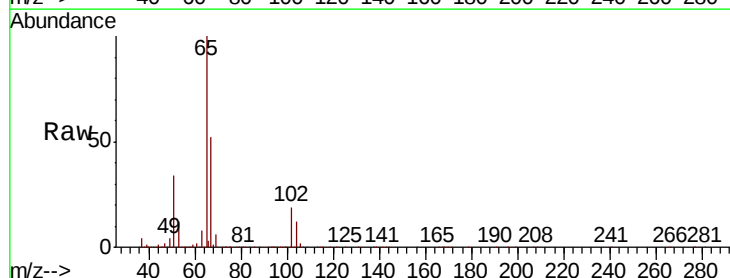
Acq: 11 Sep 2020 11:38

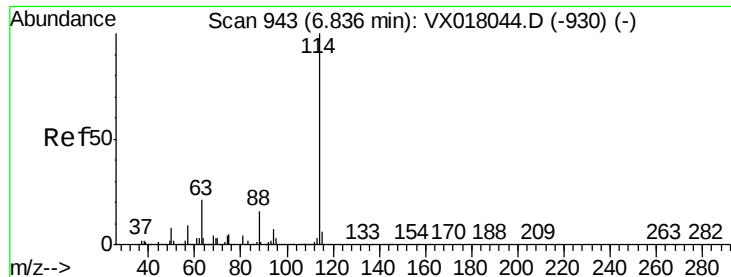
Tgt Ion: 65 Resp: 319625

Ion Ratio Lower Upper

65 100

67 50.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

Instrument :

MSVOA_X

ClientSampleId :

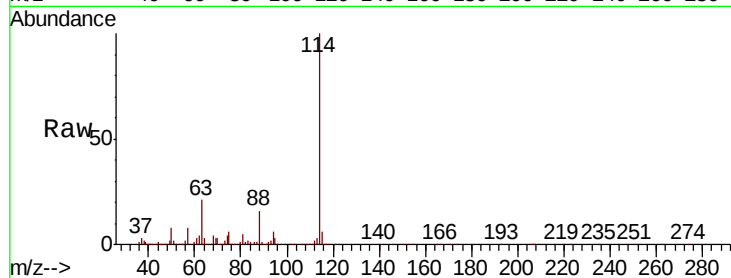
Tot Ion:114 Resp: 710069

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

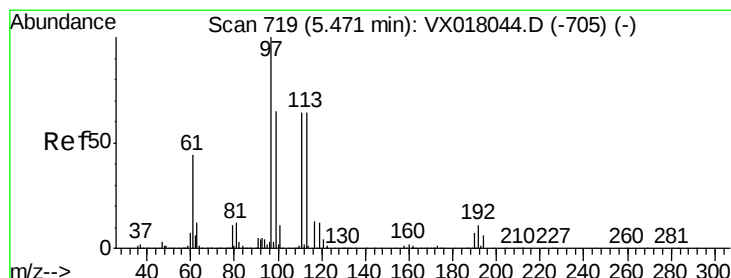
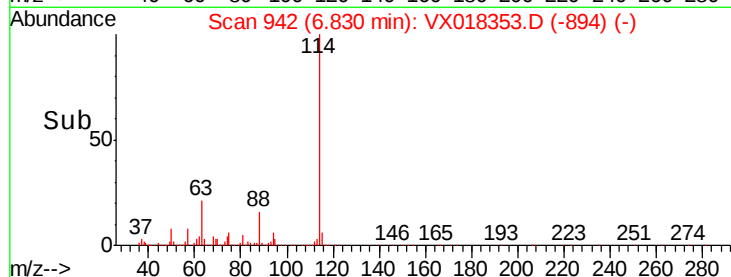
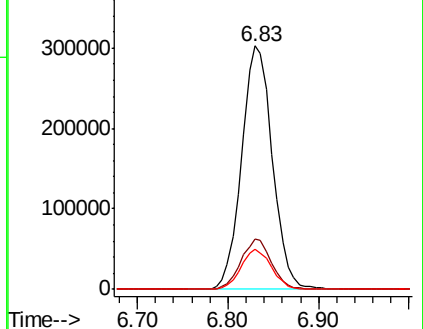
88 16.3 0.0 31.8



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



#35

Dibromofluoromethane

Concen: 51.513 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

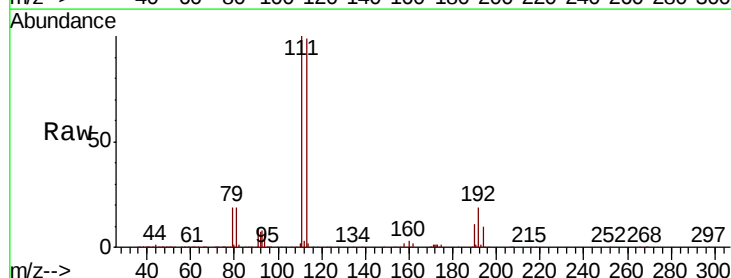
Tgt Ion:113 Resp: 249113

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

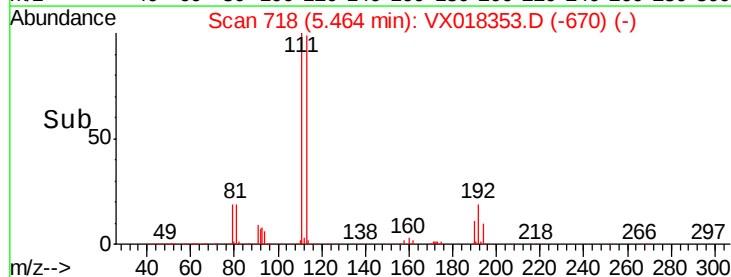
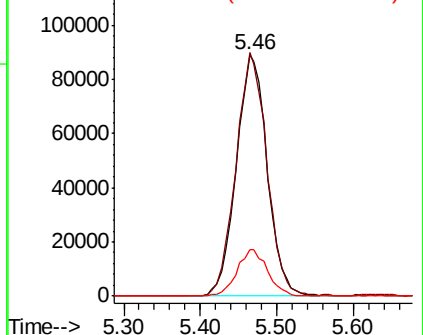
192 19.1 15.8 23.8

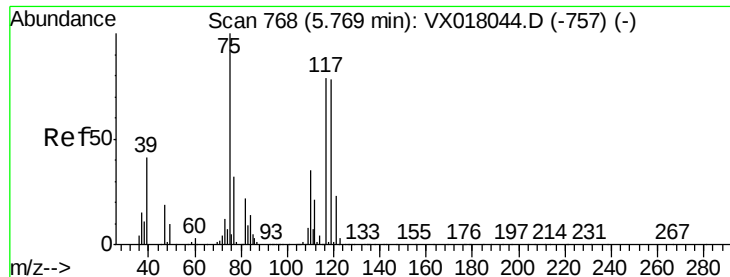


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.315 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

Instrument :

MSVOA_X

ClientSampleId :

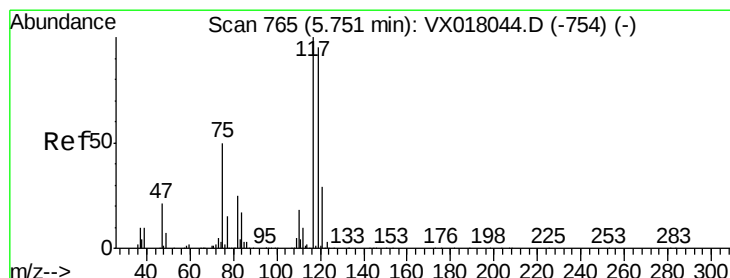
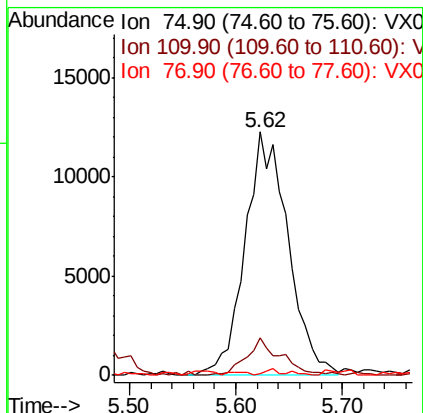
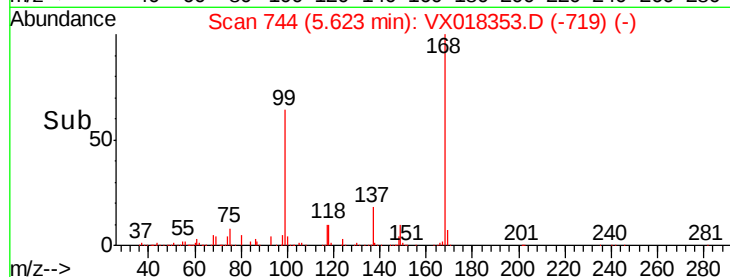
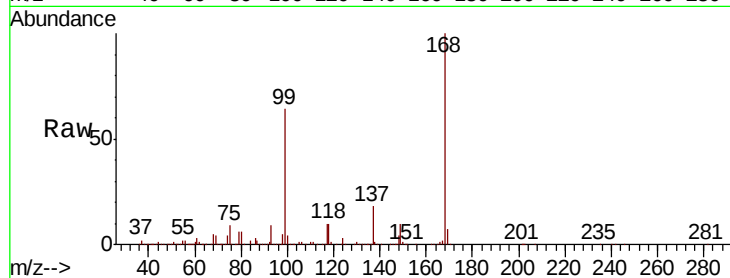
Tot Ion: 75 Resp: 34808

Ion Ratio Lower Upper

75 100

110 12.5 18.0 54.0#

77 0.9 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.421 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

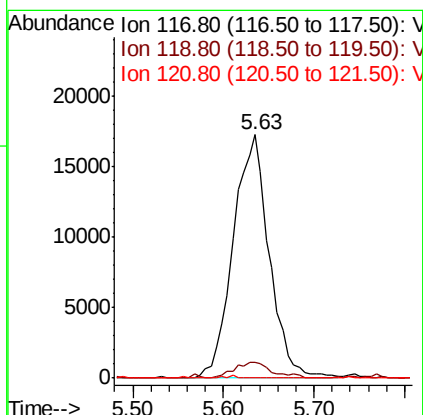
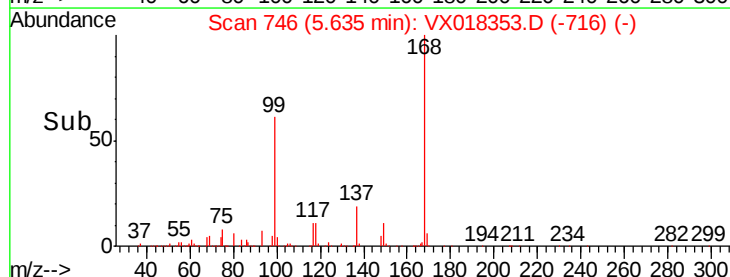
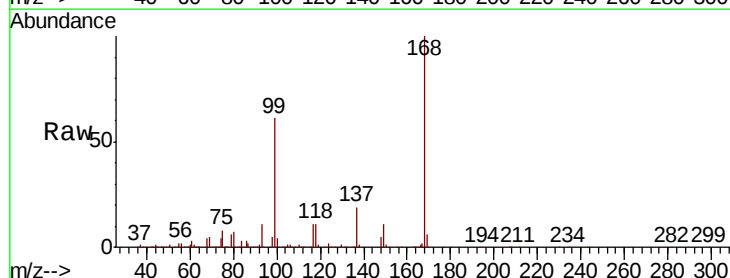
Tgt Ion: 117 Resp: 47393

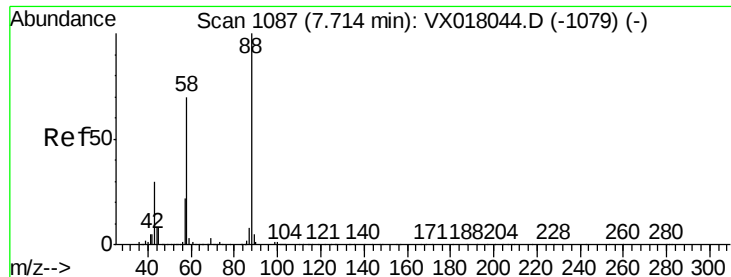
Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 23.4 35.0#





#49

1,4-Dioxane

Concen: 1.598 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

Instrument :
MSVOA_X
ClientSampleId :

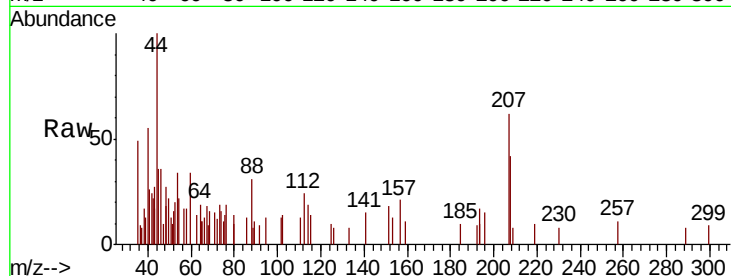
Tot Ion: 88 Resp: 177

Ion Ratio Lower Upper

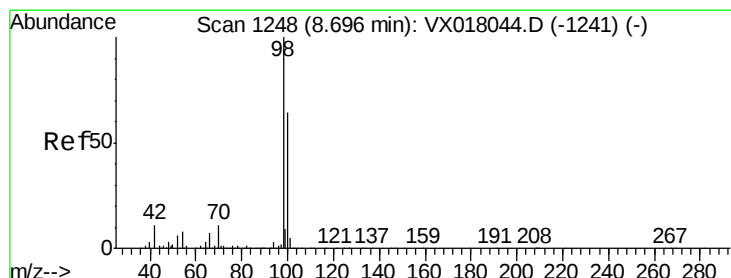
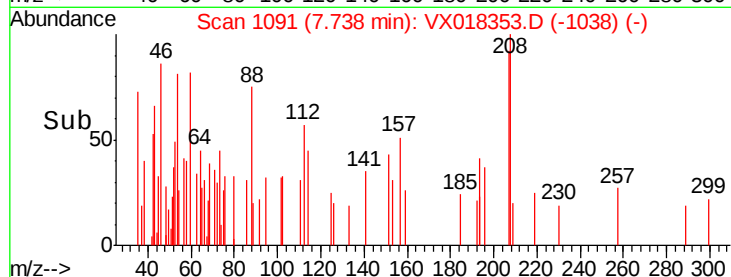
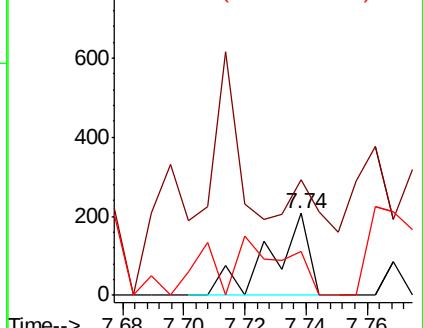
88 100

43 0.0 27.4 41.0#

58 0.0 56.4 84.6#



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: 48.023 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018353.D

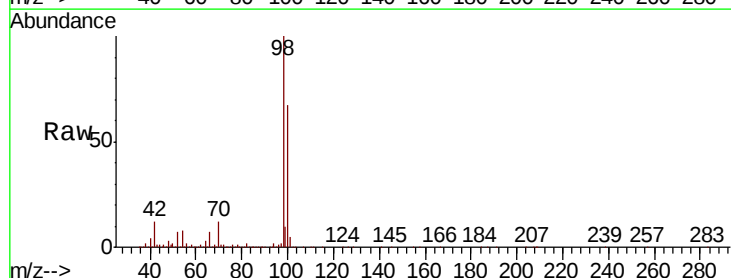
Acq: 11 Sep 2020 11:38

Tgt Ion: 98 Resp: 864969

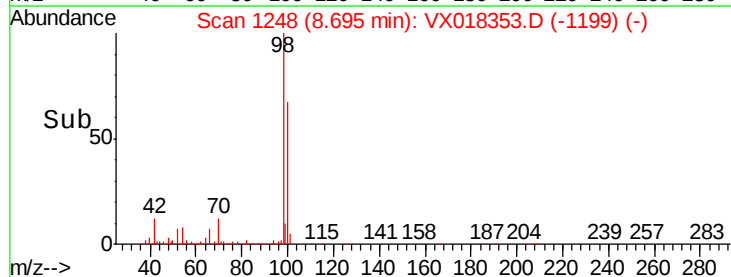
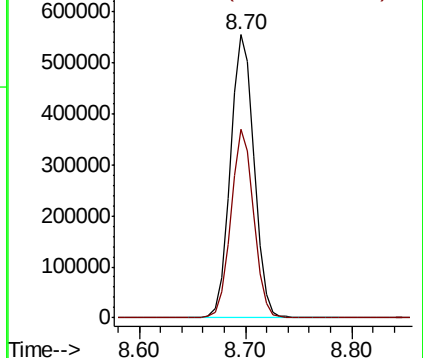
Ion Ratio Lower Upper

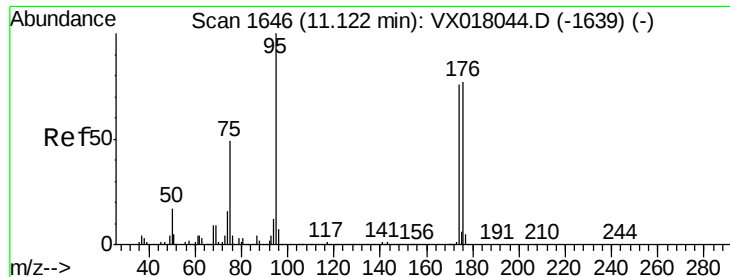
98 100

100 64.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.085 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

Instrument :

MSVOA_X

ClientSampleId :

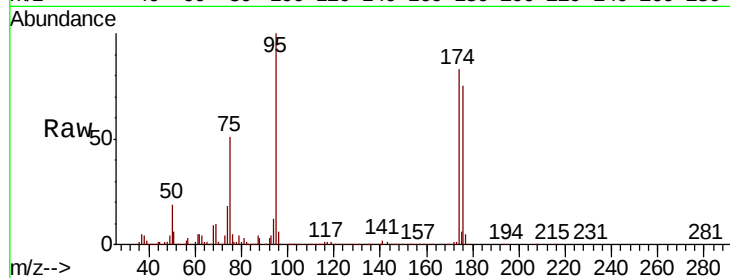
Tot Ion: 95 Resp: 312406

Ion Ratio Lower Upper

95 100

174 79.2 0.0 160.2

176 76.8 0.0 155.8

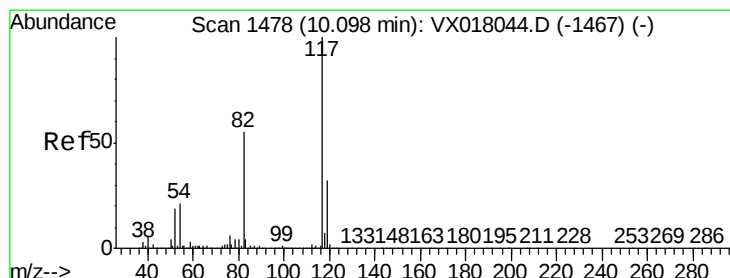
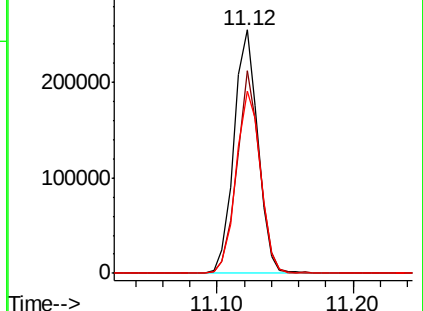
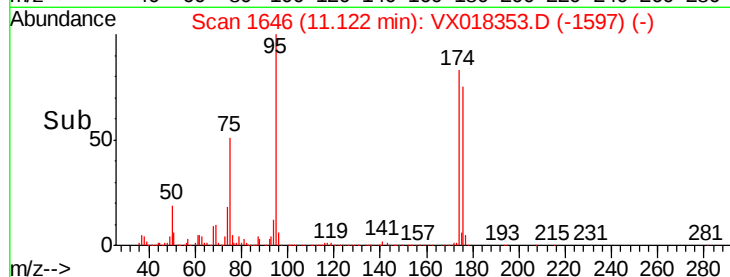


Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

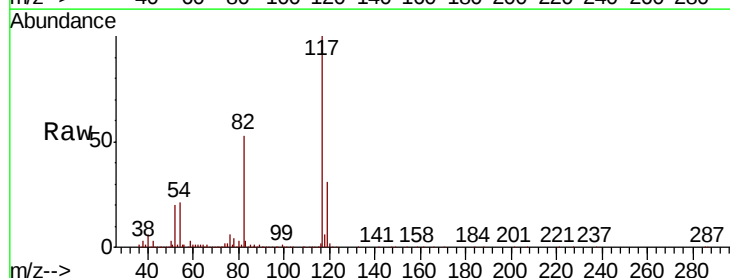
Tgt Ion: 117 Resp: 658914

Ion Ratio Lower Upper

117 100

82 53.1 44.2 66.2

119 31.5 25.7 38.5

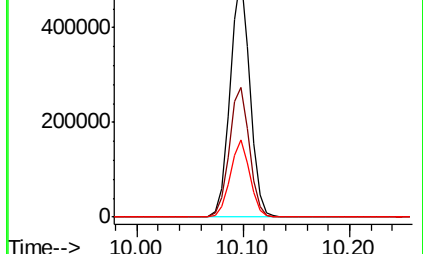
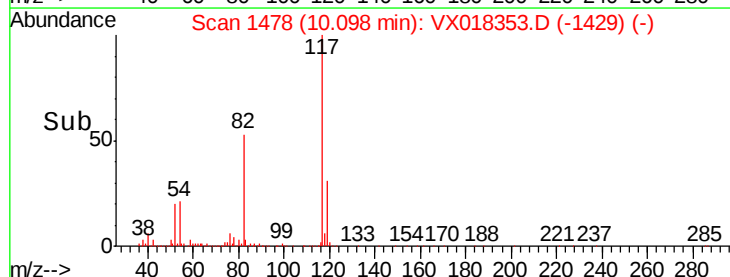


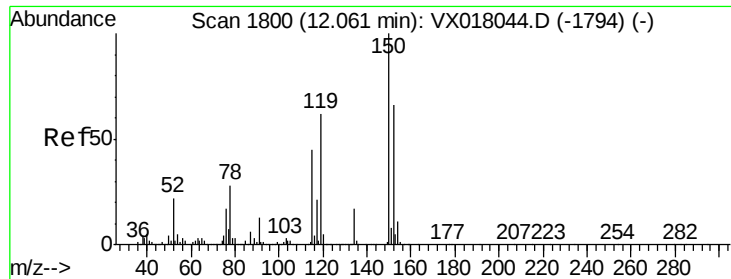
Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018353.D

Acq: 11 Sep 2020 11:38

Instrument :

MSVOA_X

ClientSampleId :

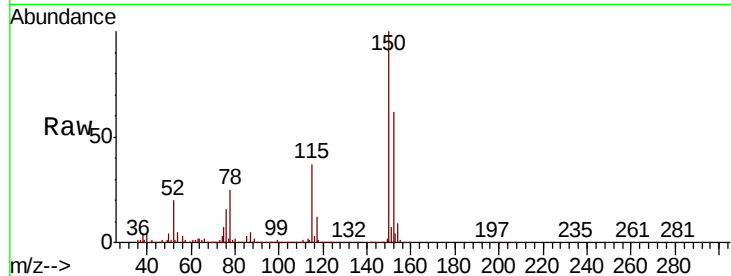
Tot Ion:152 Resp: 310699

Ion Ratio Lower Upper

152 100

115 58.6 41.5 124.5

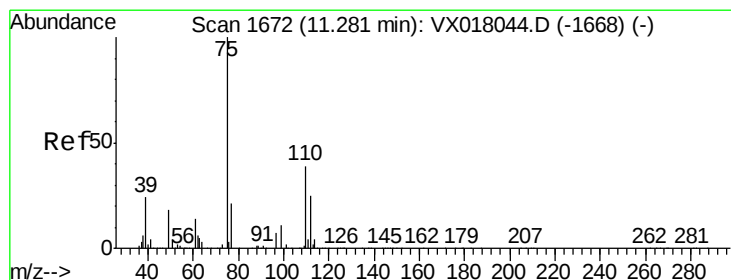
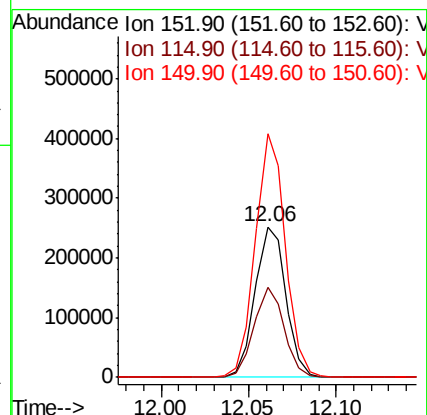
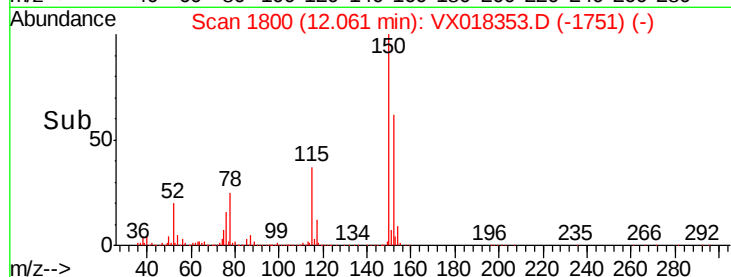
150 157.6 0.0 343.8



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: 23.036 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018353.D

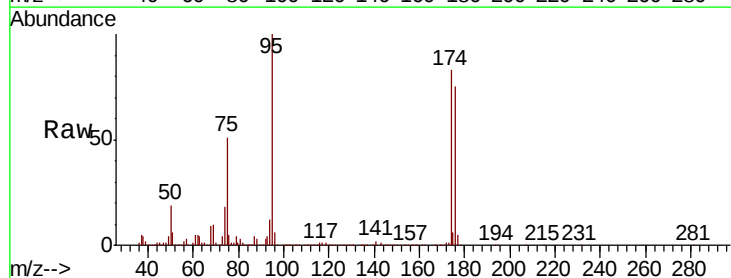
Acq: 11 Sep 2020 11:38

Tgt Ion: 75 Resp: 159219

Ion Ratio Lower Upper

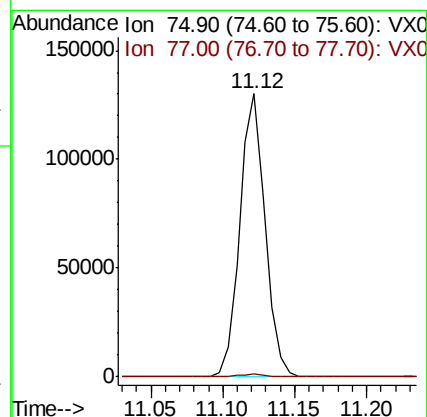
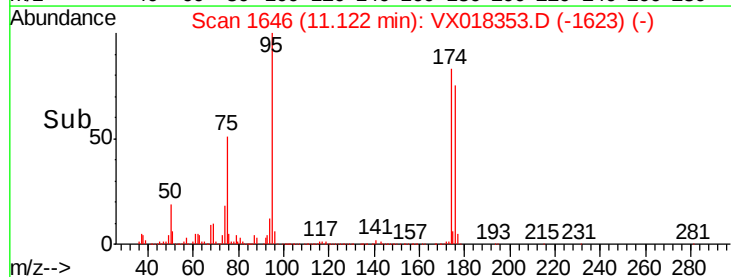
75 100

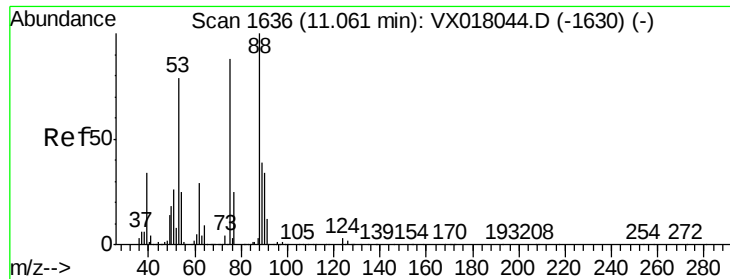
77 1.1 20.8 62.2#



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: 62.218 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018353.D
 Acq: 11 Sep 2020 11:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 159219
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.7 112.1#
 89 0.0 36.6 54.8#

