

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018277.D
 Acq On : 08 Sep 2020 16:03
 Operator : JC/SP
 Sample : L3940-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Sep 09 01:22:56 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	466026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	736479	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	709824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	377722	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	320626	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	5.46	113	251185	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.70	98	908480	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.12	95	341135	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

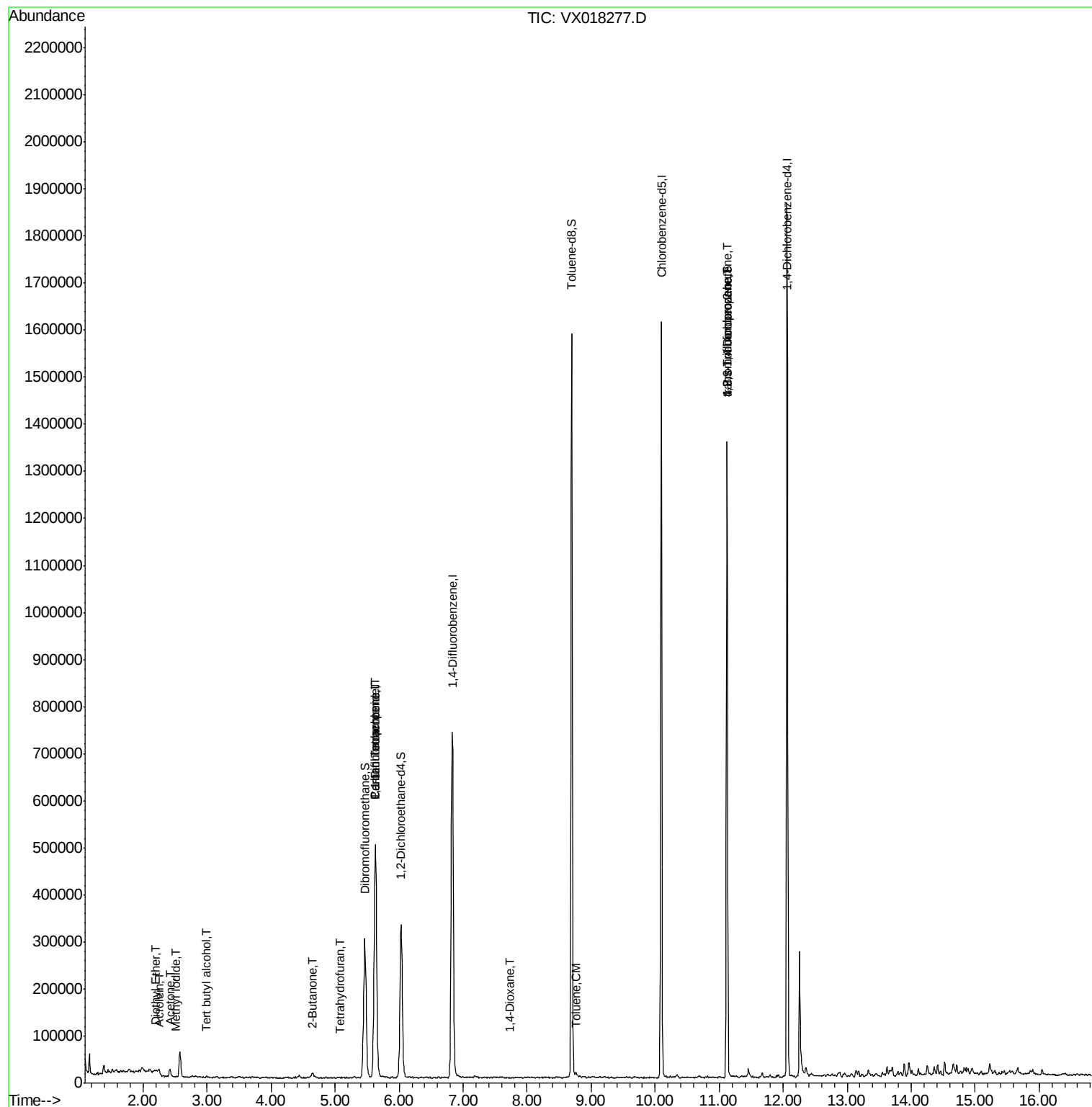
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.20	74	585	0.212	ug/l	76
10) Methyl Iodide	2.51	142	349	5.353	ug/l #	54
11) Tert butyl alcohol	3.00	59	2551	2.028	ug/l #	82
13) Acrolein	2.26	56	400	0.767	ug/l #	1
16) Acetone	2.42	43	17606	6.984	ug/l #	83
20) Methylene Chloride	2.83	84	1592	Below Cal	#	41
25) 2-Butanone	4.65	43	6125	1.478	ug/l #	88
29) Tetrahydrofuran	5.07	42	566	0.215	ug/l #	84
36) 1,1-Dichloropropene	5.62	75	36606	5.389	ug/l #	51
38) Carbon Tetrachloride	5.63	117	49342	6.445	ug/l #	18
49) 1,4-Dioxane	7.73	88	137	1.192	ug/l #	1
52) Toluene	8.76	92	3063	0.242	ug/l	87
76) 1,2,3-Trichloropropane	11.12	75	178674	21.264	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	178674	57.431	ug/l #	12

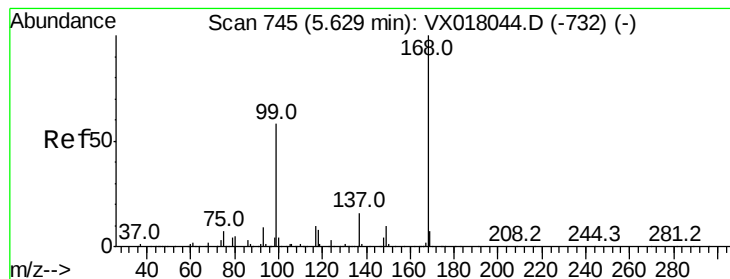
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

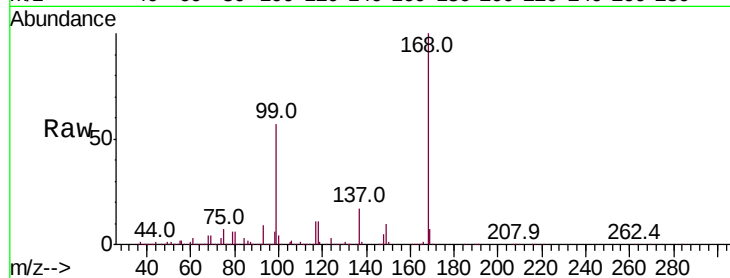
MW-6

Tot Ion:168 Resp: 466026

Ion Ratio Lower Upper

168 100

99 56.6 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

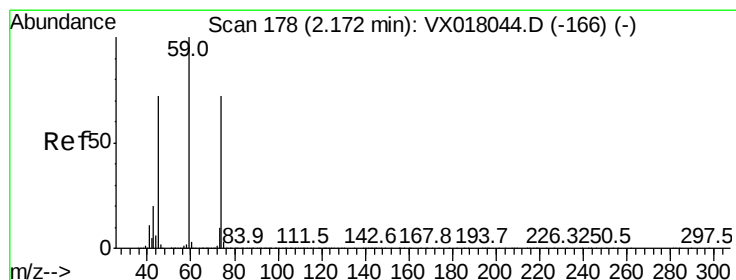
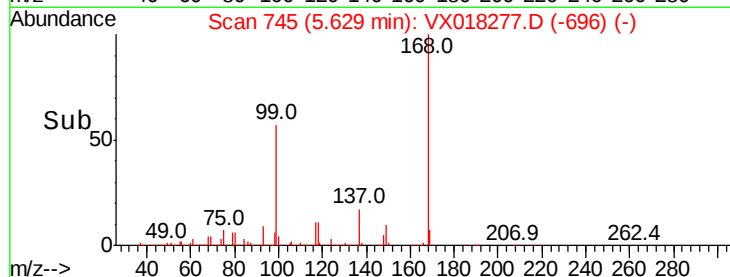
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.212 ug/l

RT: 2.20 min Scan# 182

Delta R.T. 0.02 min

Lab File: VX018277.D

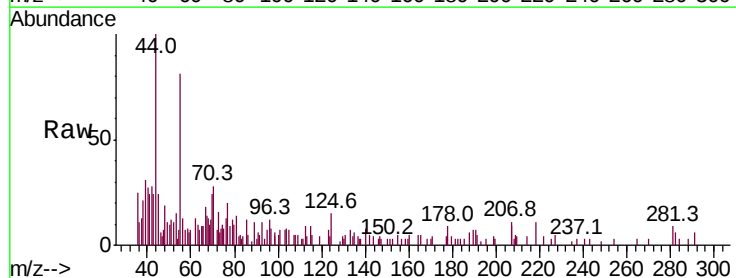
Acq: 08 Sep 2020 16:03

Tgt Ion: 74 Resp: 585

Ion Ratio Lower Upper

74 100

45 77.8 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

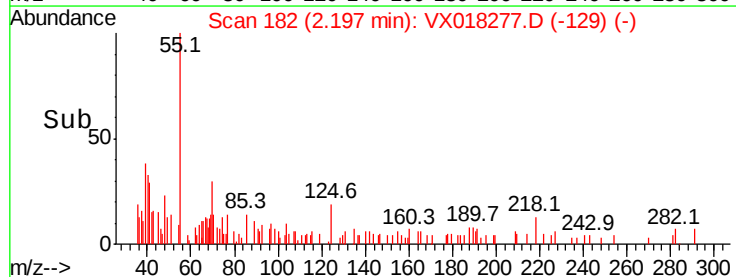
600

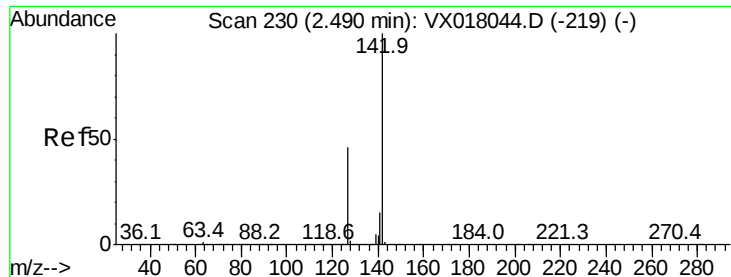
400

200

0

Time-->

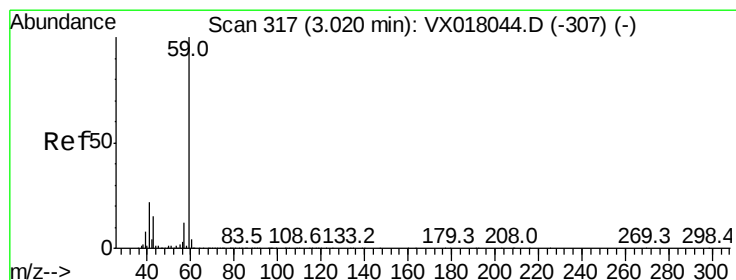
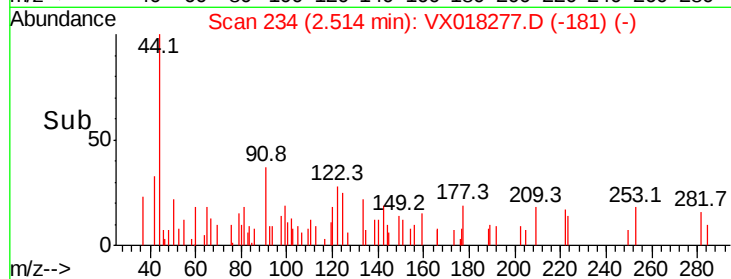
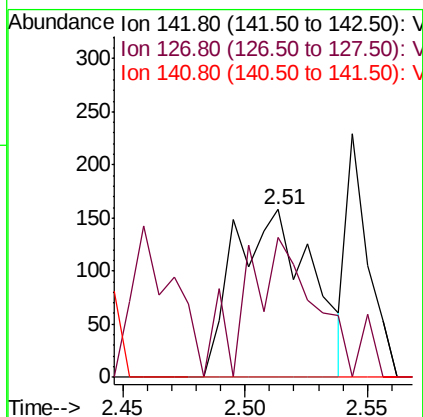
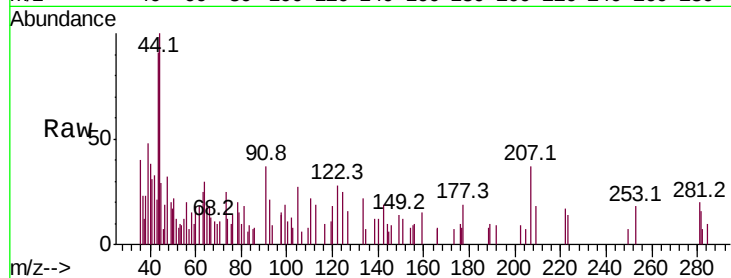




#10
Methyl Iodide
Concen: 5.353 ug/l
RT: 2.51 min Scan# 234
Delta R.T. 0.02 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

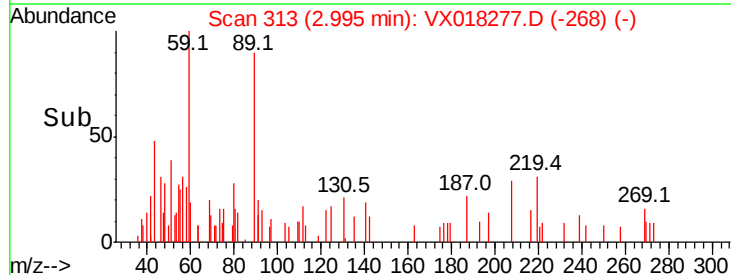
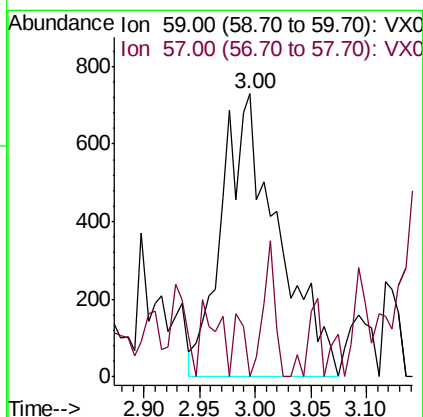
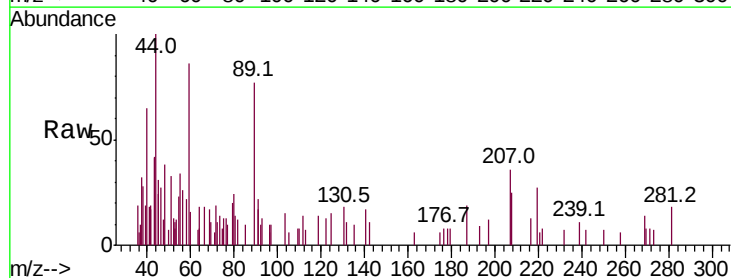
Instrument :
MSVOA_X
ClientSampled :
MW-6

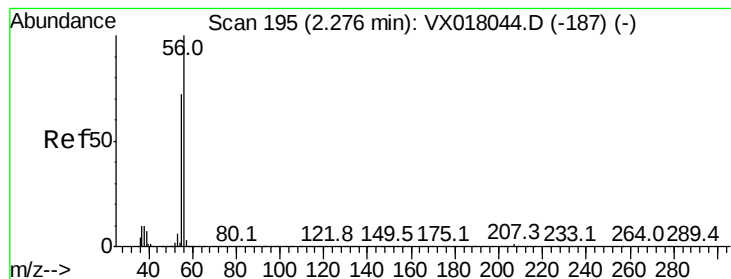
Tot Ion:142 Resp: 349
Ion Ratio Lower Upper
142 100
127 79.4 37.0 55.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.028 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

Tgt Ion: 59 Resp: 2551
Ion Ratio Lower Upper
59 100
57 4.2 8.9 13.3#





#13

Acrolein

Concen: 0.767 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

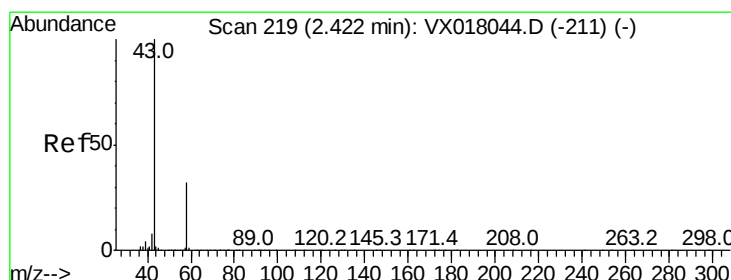
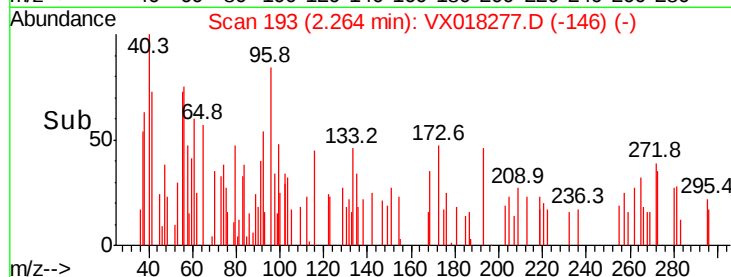
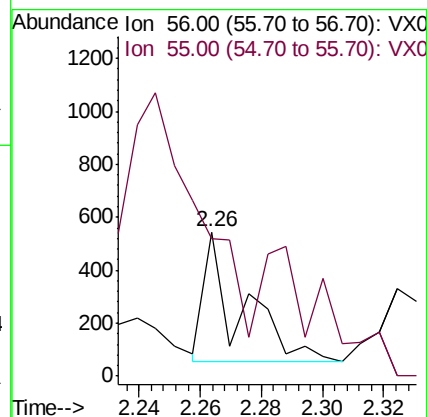
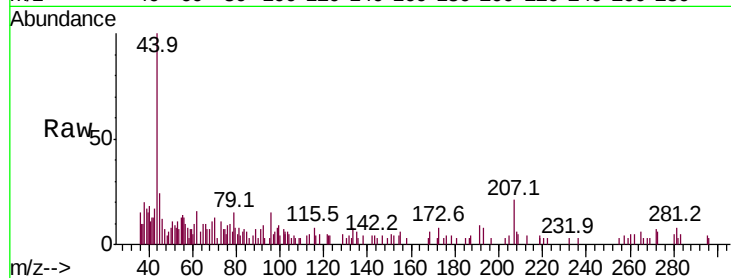
MW-6

Tot Ion: 56 Resp: 400

Ion Ratio Lower Upper

56 100

55 369.8 57.0 85.6#



#16

Acetone

Concen: 6.984 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018277.D

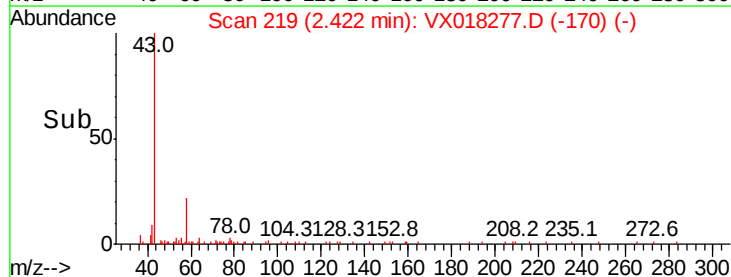
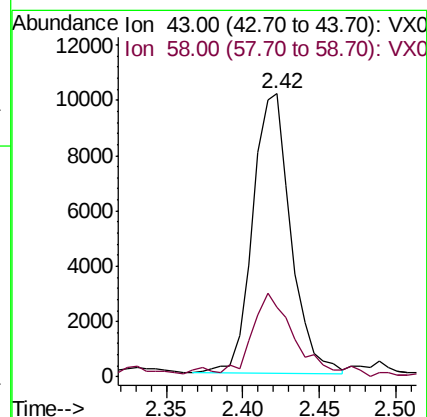
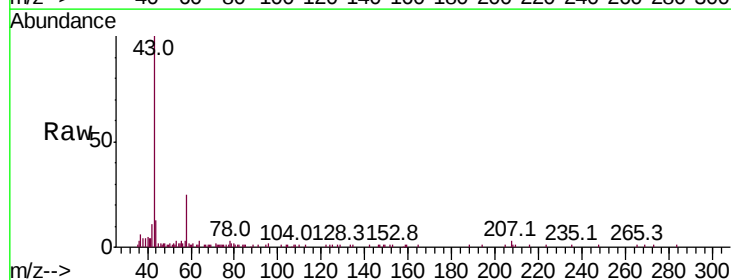
Acq: 08 Sep 2020 16:03

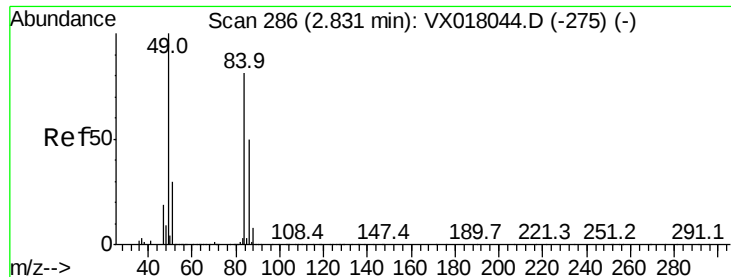
Tgt Ion: 43 Resp: 17606

Ion Ratio Lower Upper

43 100

58 22.5 25.5 38.3#

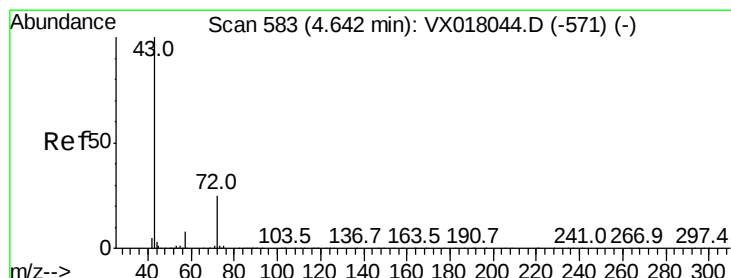
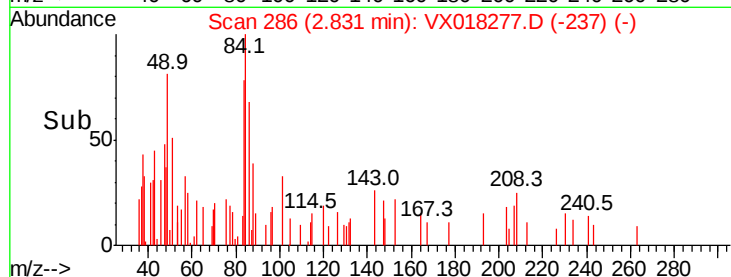
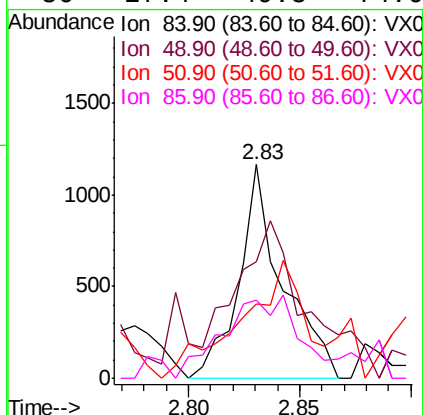
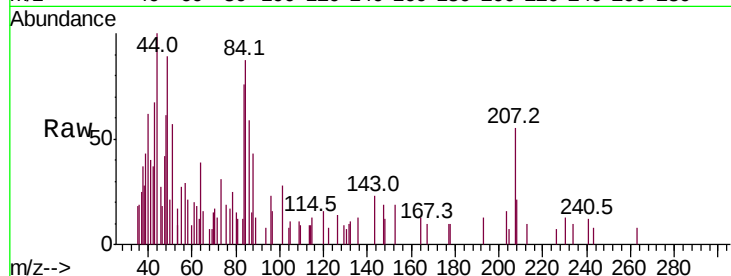




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

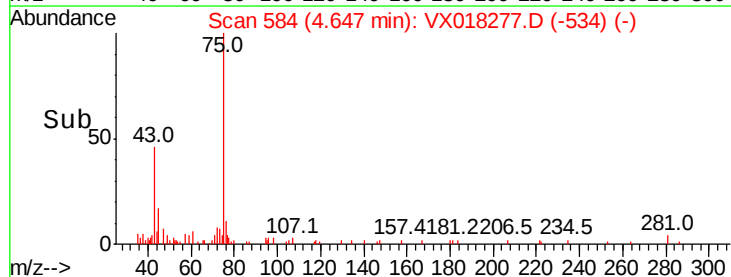
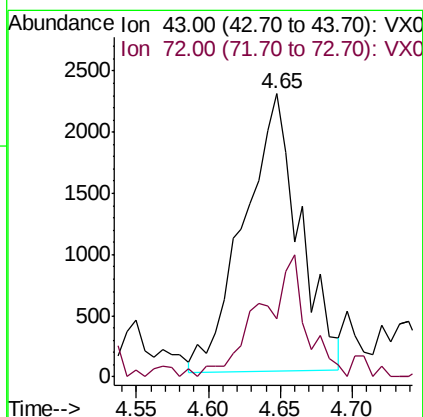
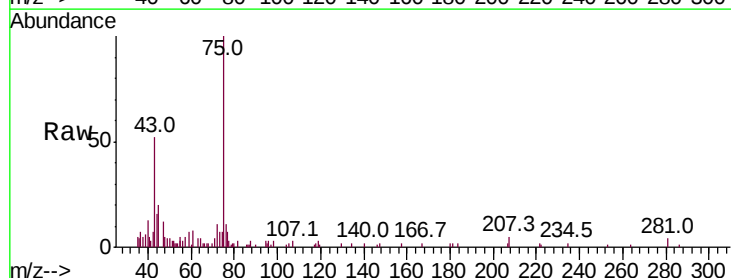
Instrument :
MSVOA_X
ClientSampleId :
MW-6

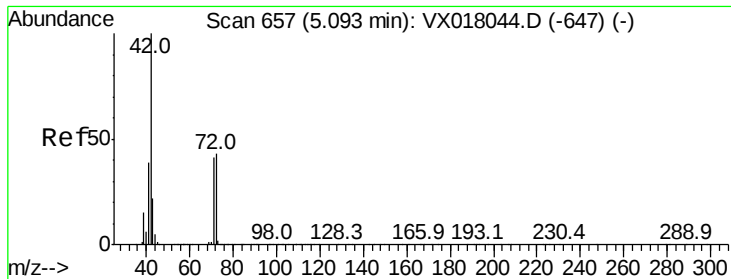
Tot Ion: 84 Resp: 1592
Ion Ratio Lower Upper
84 100
49 38.4 98.6 148.0#
51 18.6 29.6 44.4#
86 27.4 49.8 74.6#



#25
2-Butanone
Concen: 1.478 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

Tgt Ion: 43 Resp: 6125
Ion Ratio Lower Upper
43 100
72 18.6 19.8 29.6#

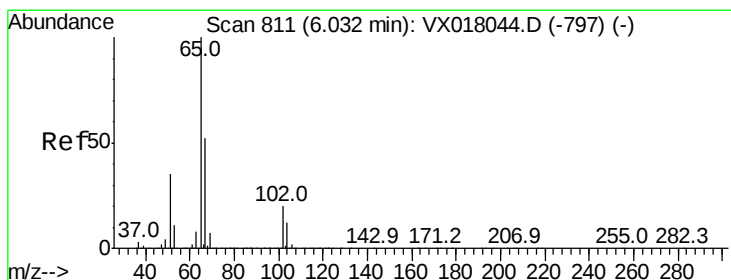
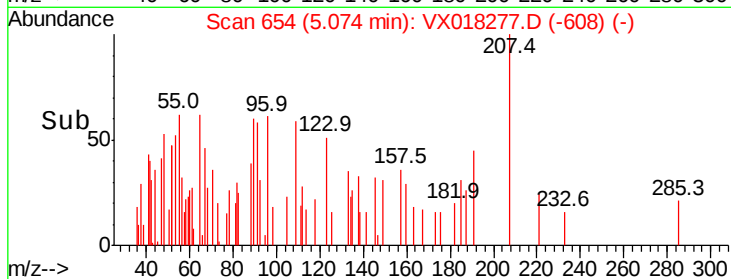
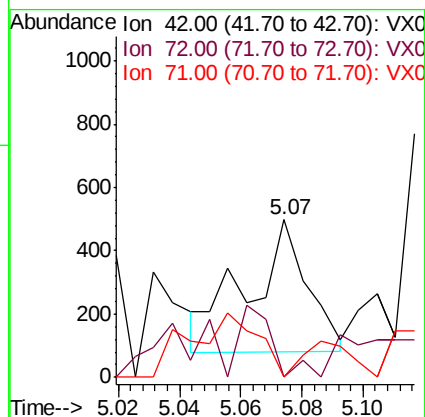
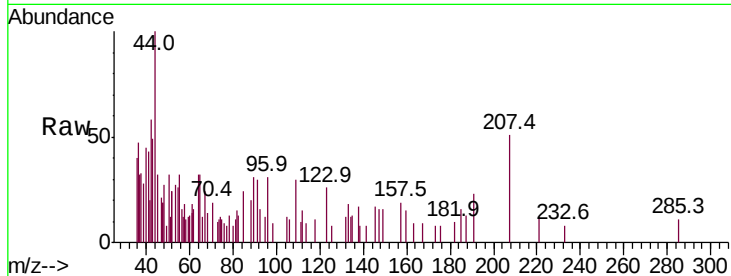




#29
Tetrahydrofuran
Concen: 0.215 ug/l
RT: 5.07 min Scan# 654
Delta R.T. -0.02 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

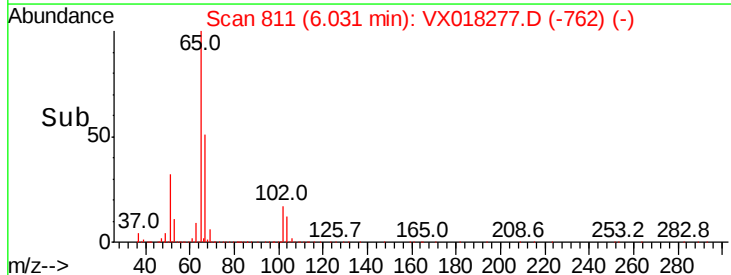
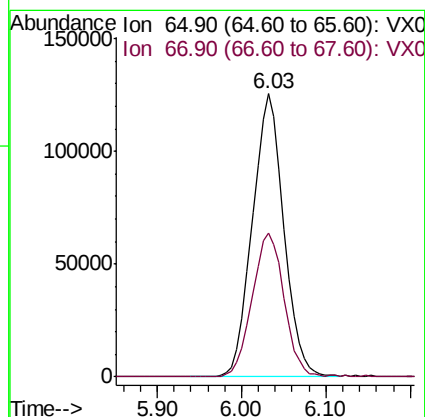
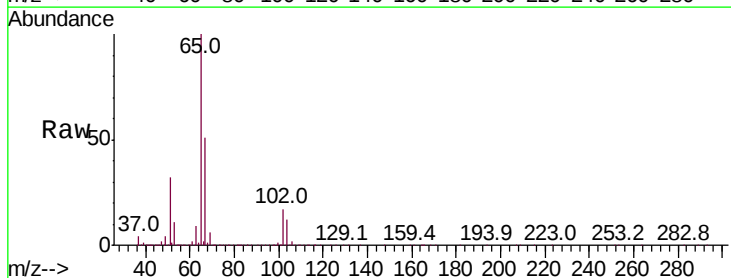
Instrument :
MSVOA_X
ClientSampled :
MW-6

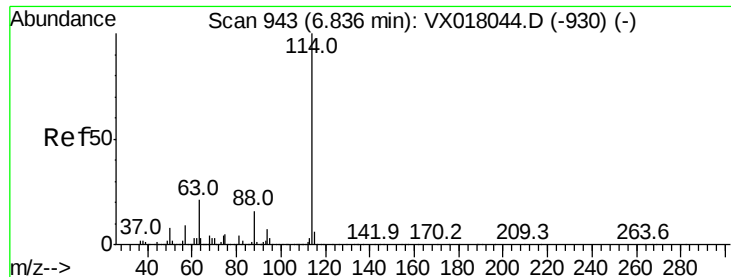
Tot Ion: 42 Resp: 566
Ion Ratio Lower Upper
42 100
72 45.1 34.2 51.4
71 21.6 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 49.559 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

Tgt Ion: 65 Resp: 320626
Ion Ratio Lower Upper
65 100
67 51.9 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: VX018277.D

Acq: 08 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

MW-6

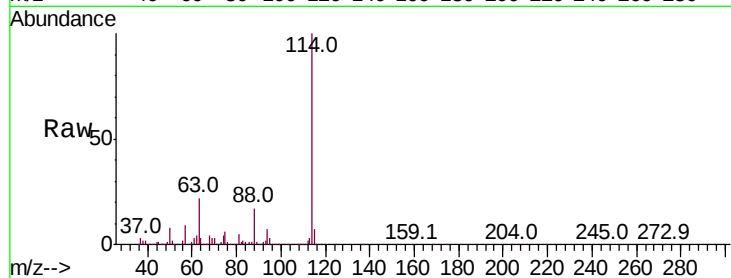
Tot Ion:114 Resp: 736479

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

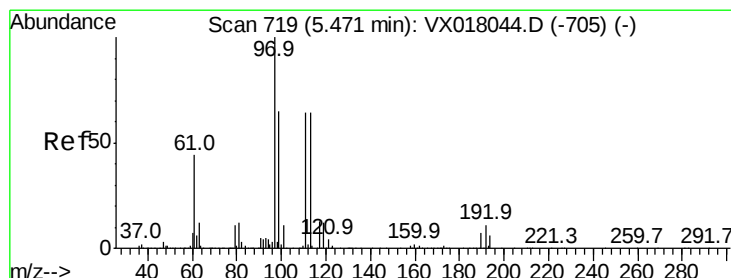
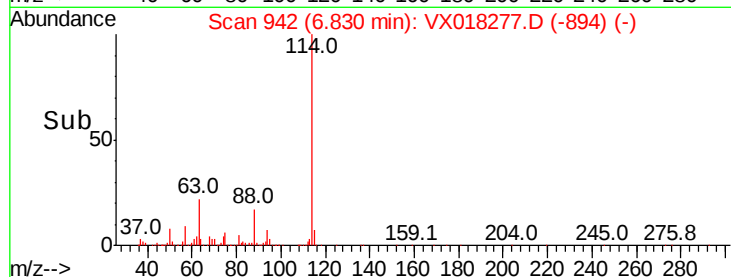
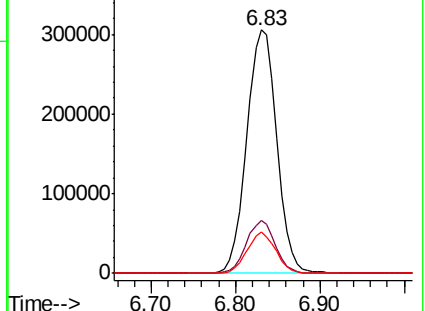
88 16.7 0.0 31.8



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: 50.079 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

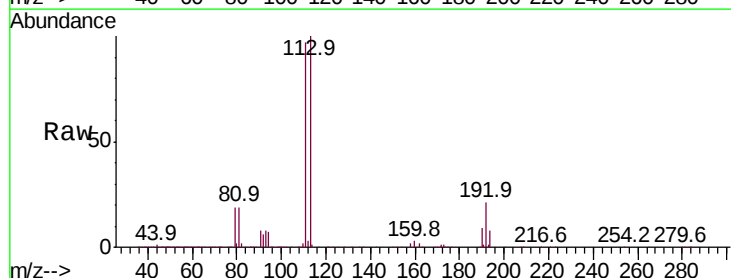
Tgt Ion:113 Resp: 251185

Ion Ratio Lower Upper

113 100

111 103.7 81.6 122.4

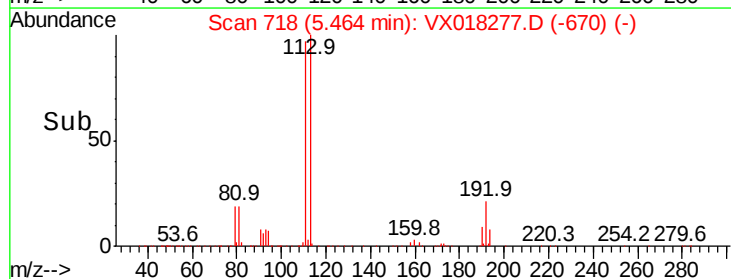
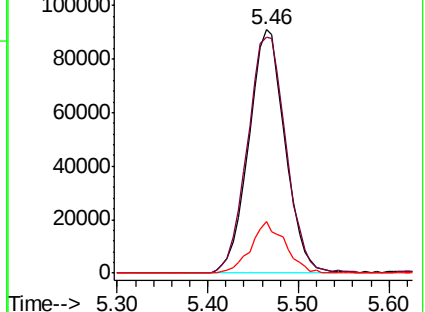
192 20.0 15.8 23.8

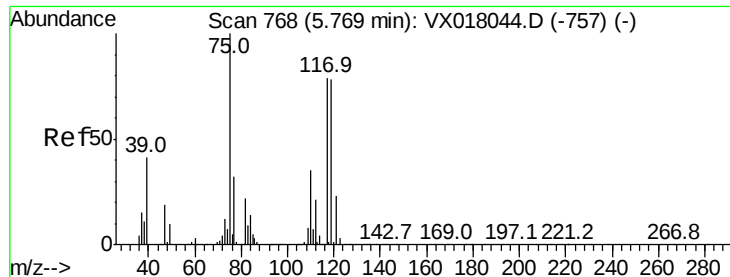


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.389 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

MW-6

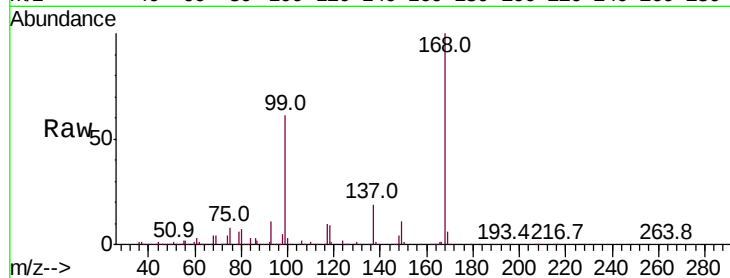
Tot Ion: 75 Resp: 36606

Ion Ratio Lower Upper

75 100

110 10.1 18.0 54.0#

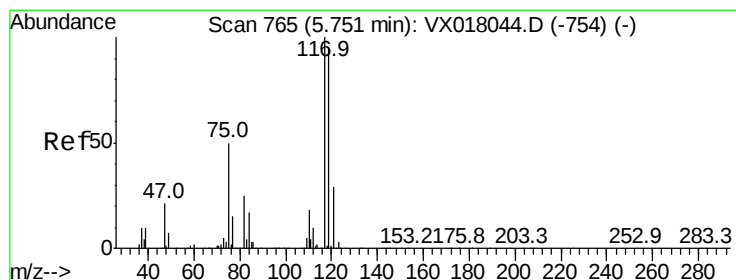
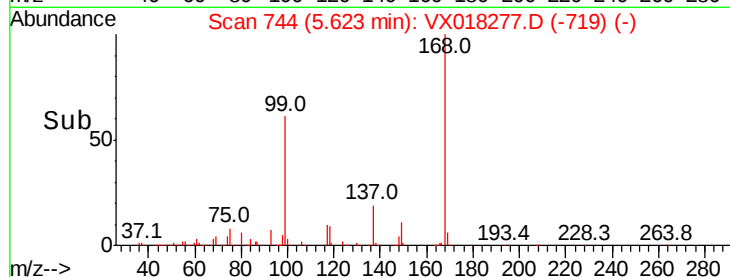
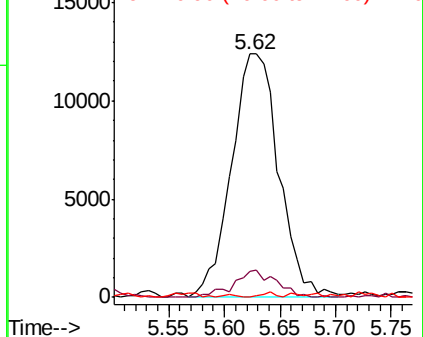
77 0.6 24.4 36.6#



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: 6.445 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

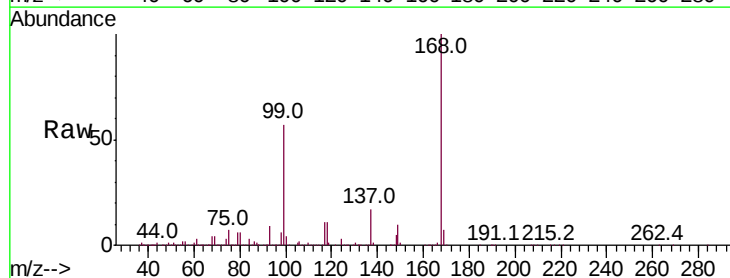
Tgt Ion: 117 Resp: 49342

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

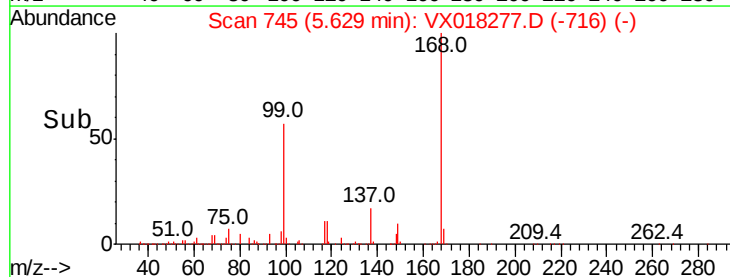
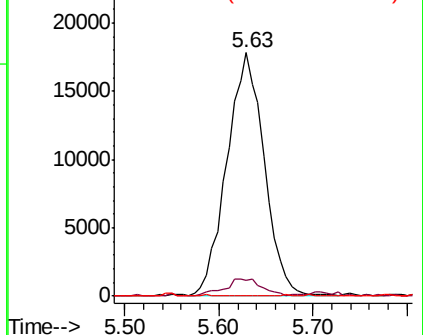
121 0.3 23.4 35.0#

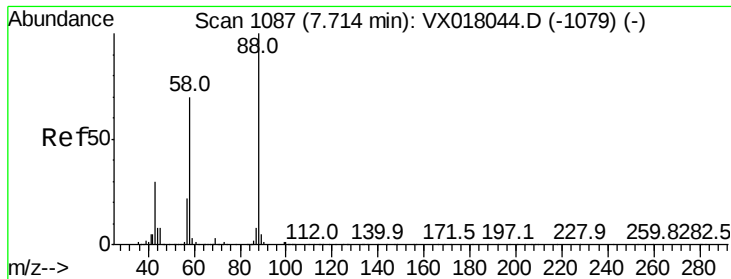


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.192 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampled :

MW-6

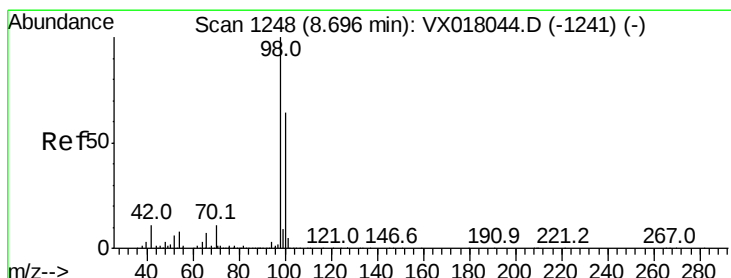
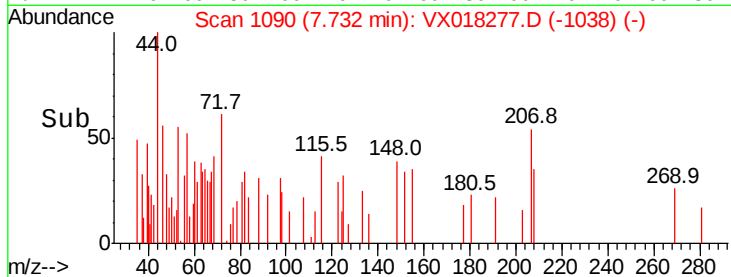
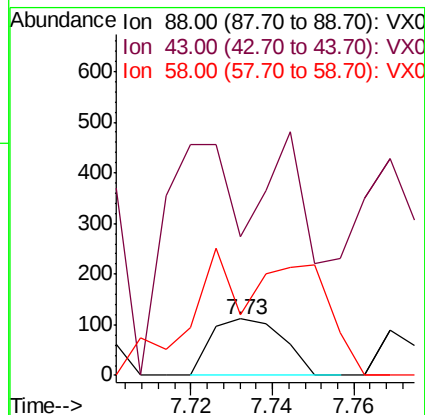
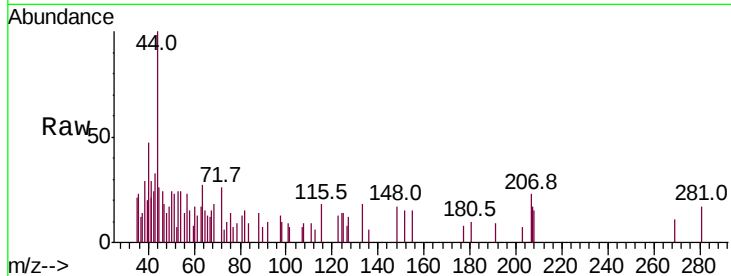
Tot Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 411.7 27.4 41.0#

58 83.2 56.4 84.6



#50

Toluene-d8

Concen: 48.630 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018277.D

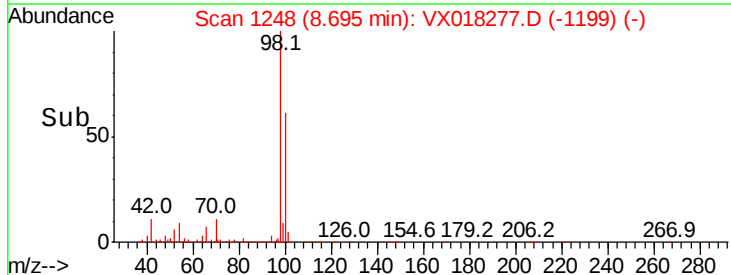
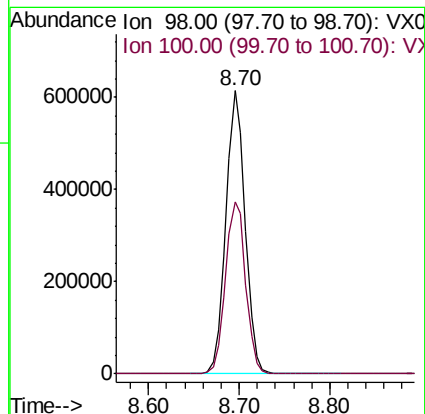
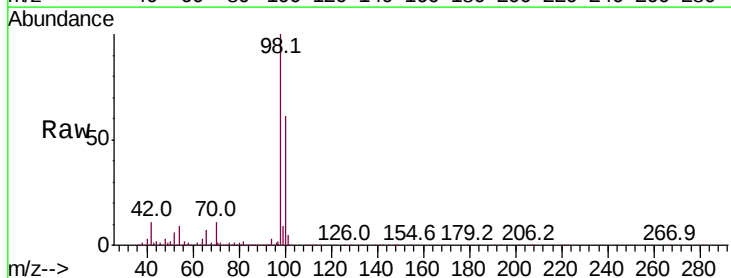
Acq: 08 Sep 2020 16:03

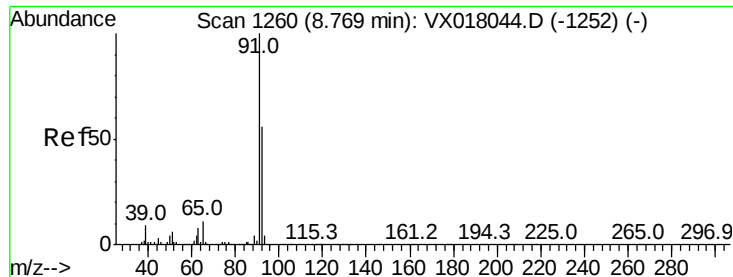
Tgt Ion: 98 Resp: 908480

Ion Ratio Lower Upper

98 100

100 63.7 52.2 78.4





#52

Toluene

Concen: 0.242 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampled :

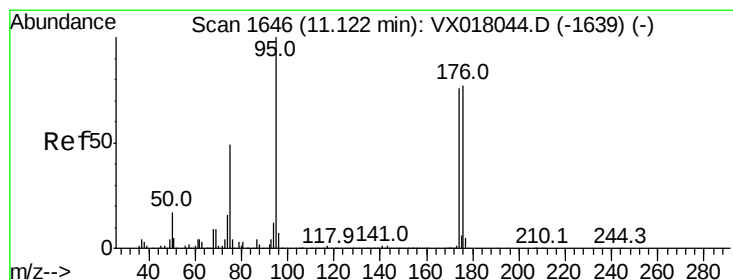
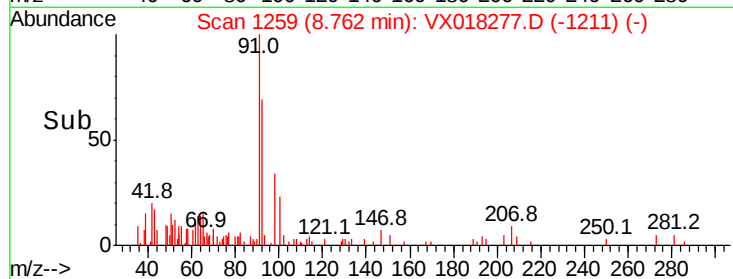
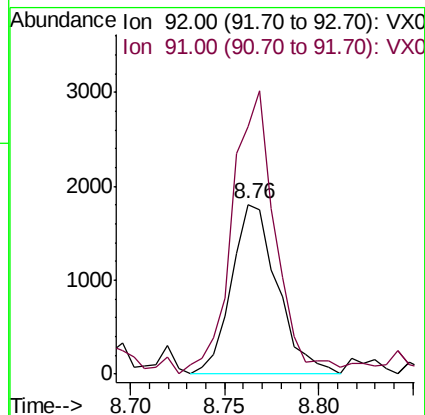
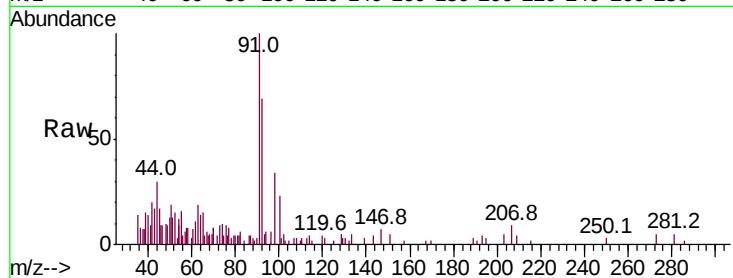
MW-6

Tot Ion: 92 Resp: 3063

Ion Ratio Lower Upper

92 100

91 157.3 140.3 210.5



#62

4-Bromofluorobenzene

Concen: 46.412 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

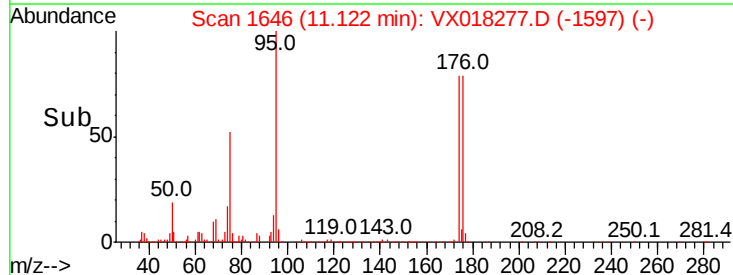
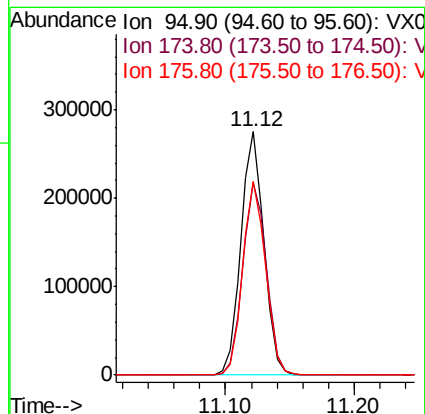
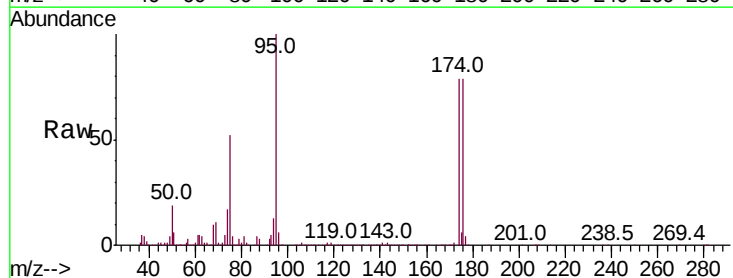
Tgt Ion: 95 Resp: 341135

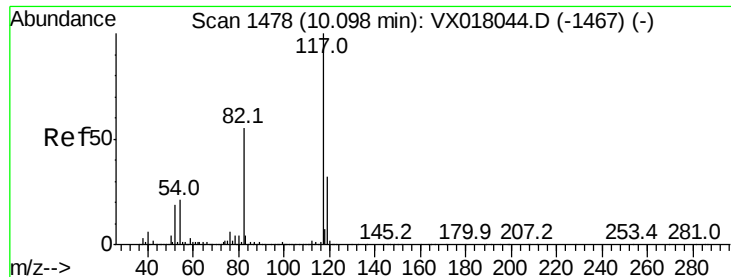
Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.2

176 78.8 0.0 155.8

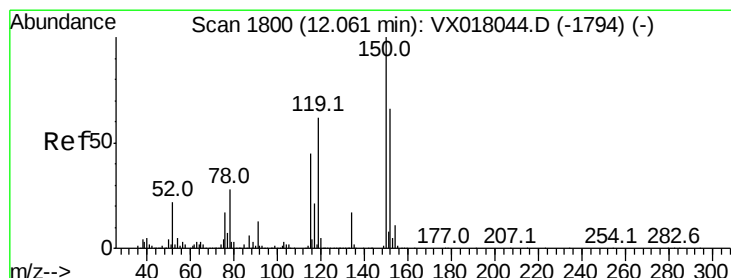
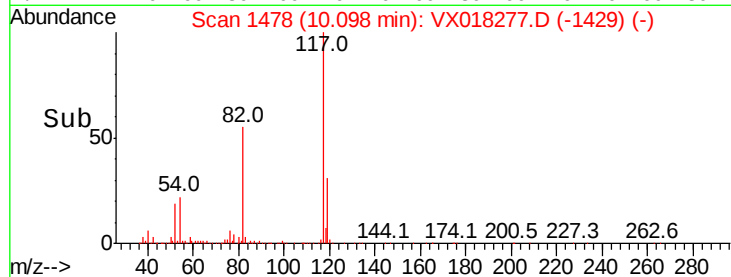
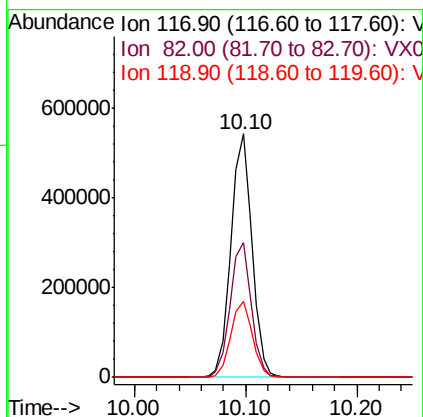
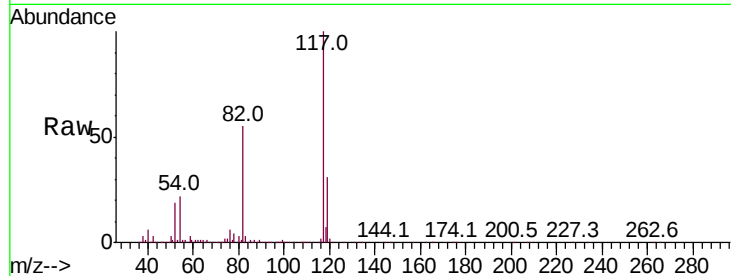




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

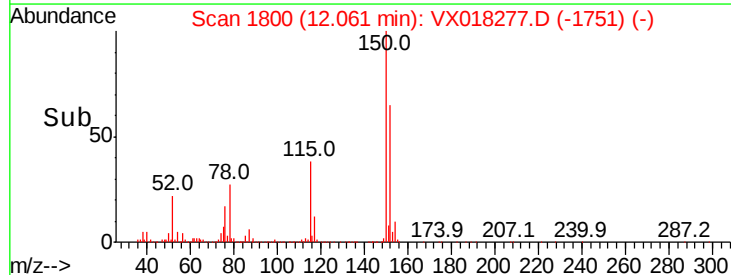
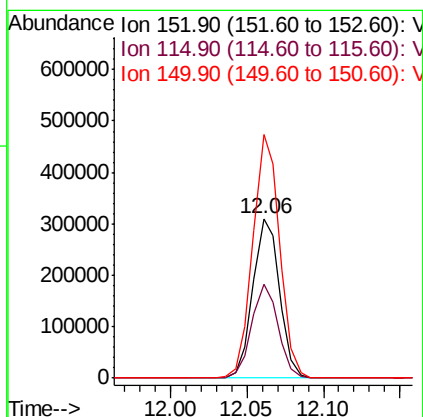
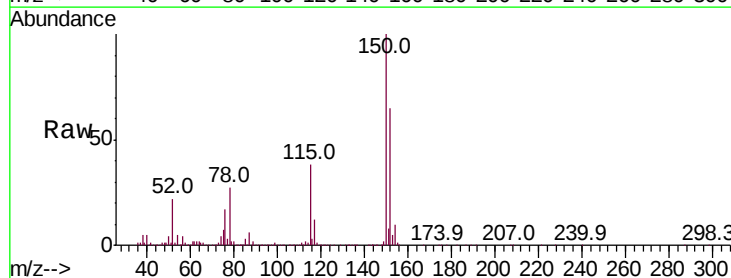
Instrument :
MSVOA_X
ClientSampleId :
MW-6

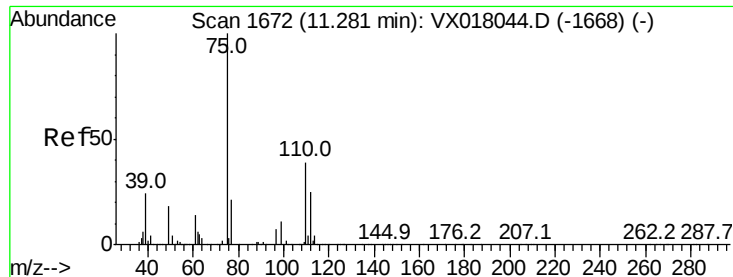
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.2	66.2
119	31.3	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018277.D
Acq: 08 Sep 2020 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	41.5	124.5
150	153.3	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 21.264 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

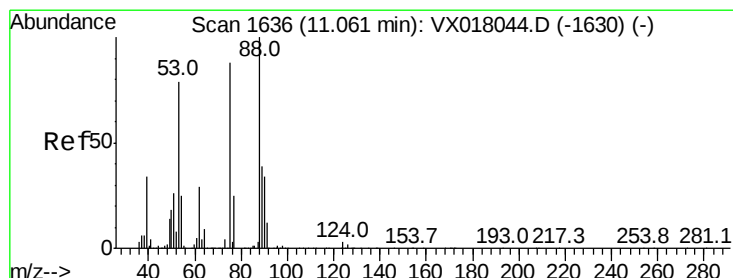
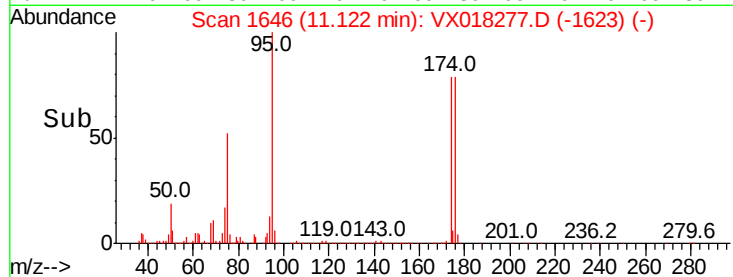
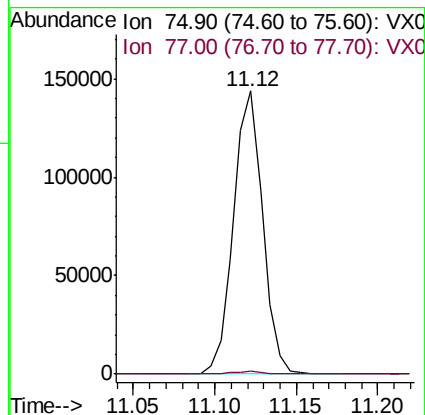
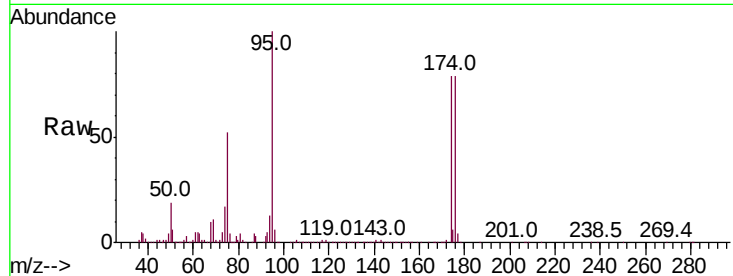
MW-6

Tot Ion: 75 Resp: 178674

Ion Ratio Lower Upper

75 100

77 1.1 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.431 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018277.D

Acq: 08 Sep 2020 16:03

Tgt Ion: 75 Resp: 178674

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.1 36.6 54.8#

