

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082720\
 Data File : VX018100.D
 Acq On : 27 Aug 2020 18:36
 Operator : JC/SP
 Sample : L3820-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-638-640

Quant Time: Aug 28 03:04:54 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	5.64	168	594052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	955502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	917106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	426035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	398297	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	5.47	113	314413	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	8.70	98	1197413	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.12	95	444076	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

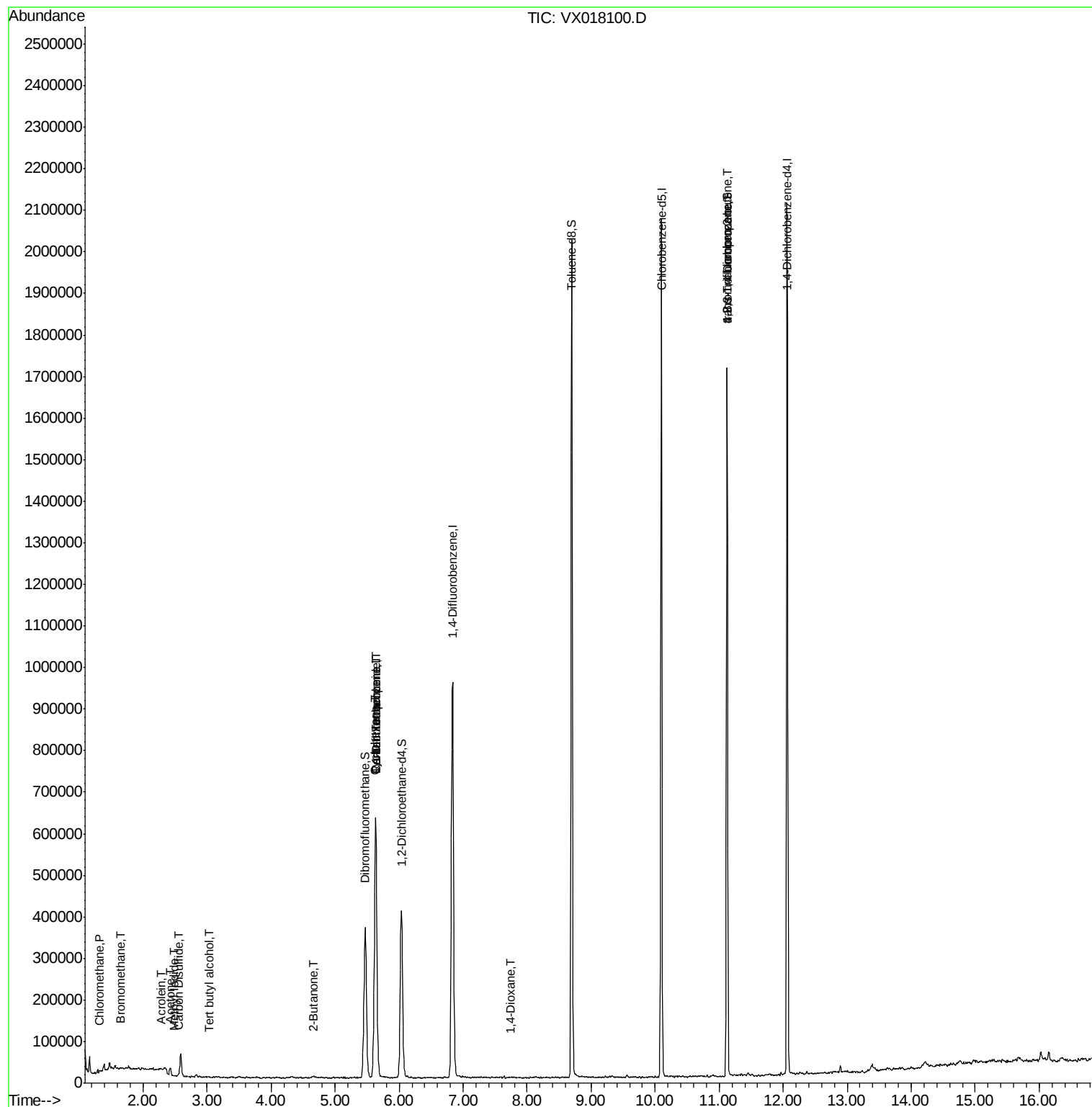
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4025	0.528	ug/l #	88
5) Bromomethane	1.65	94	752	0.205	ug/l #	65
10) Methyl Iodide	2.49	142	413	5.348	ug/l #	71
11) Tert butyl alcohol	3.03	59	366	0.228	ug/l #	67
13) Acrolein	2.28	56	926	1.393	ug/l	87
16) Acetone	2.42	43	22163	6.897	ug/l	92
17) Carbon Disulfide	2.55	76	7935	0.452	ug/l	99
20) Methylene Chloride	2.83	84	2504	Below Cal	#	76
25) 2-Butanone	4.65	43	3882	0.735	ug/l #	78
31) Cyclohexane	5.62	56	11829	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	46222	5.245	ug/l #	51
38) Carbon Tetrachloride	5.64	117	58749	5.915	ug/l #	18
49) 1,4-Dioxane	7.74	88	87	0.584	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	219904	23.203	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	219904	62.668	ug/l #	12

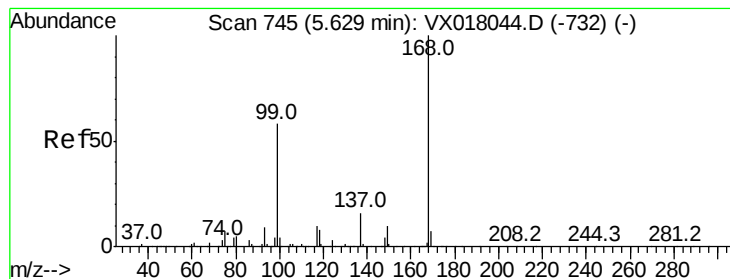
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

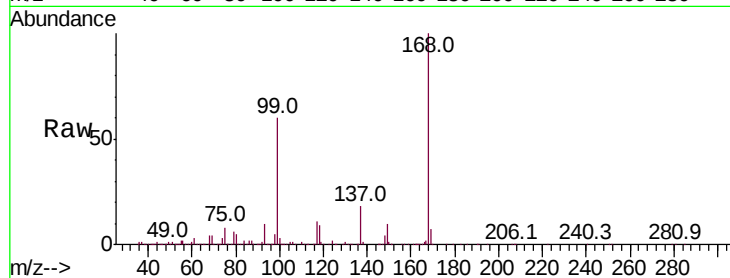
BP-VPB181-GW-638-640

Tot Ion:168 Resp: 594052

Ion Ratio Lower Upper

168 100

99 60.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

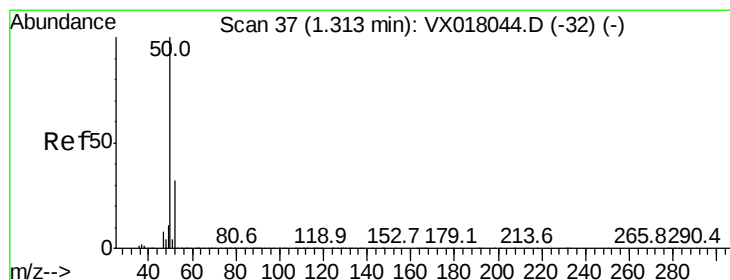
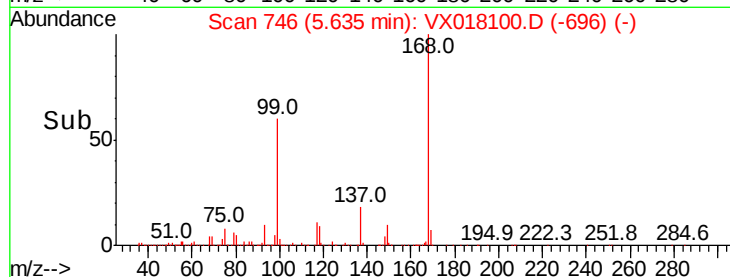
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.528 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018100.D

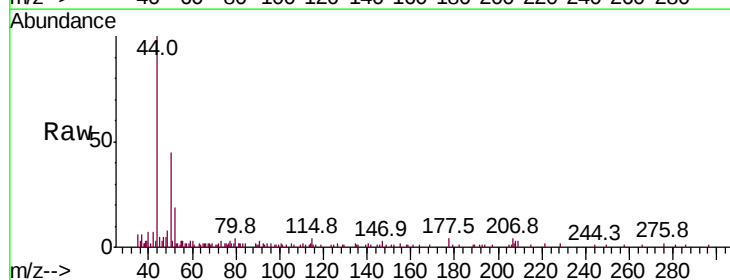
Acq: 27 Aug 2020 18:36

Tgt Ion: 50 Resp: 4025

Ion Ratio Lower Upper

50 100

52 38.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

4000

3000

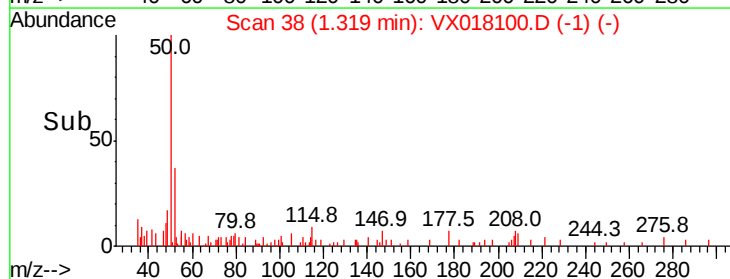
2000

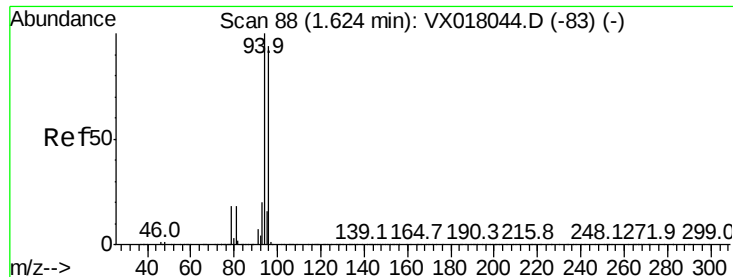
1000

0

1.25 1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

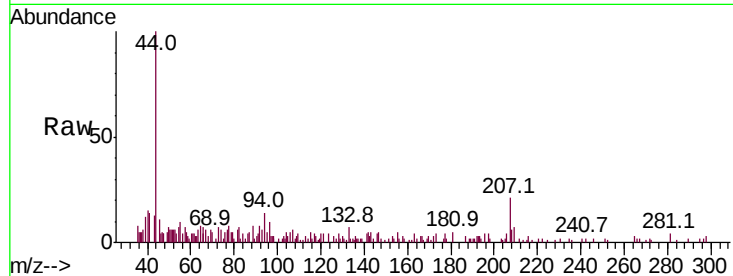
BP-VPB181-GW-638-640

Tot Ion: 94 Resp: 752

Ion Ratio Lower Upper

94 100

96 59.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

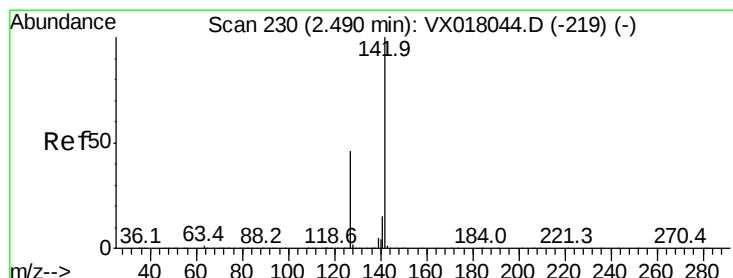
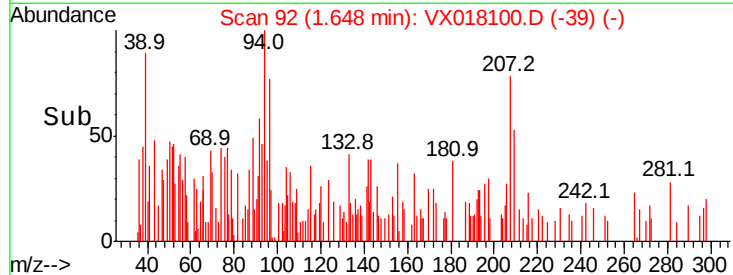
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 5.348 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

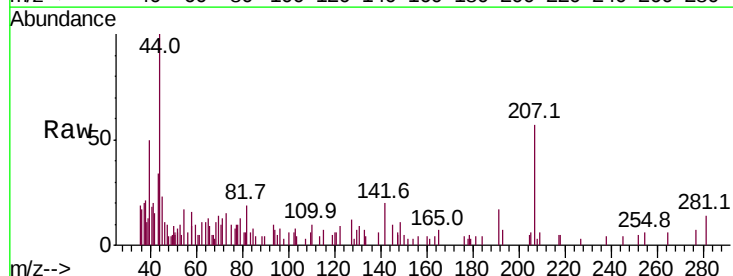
Tgt Ion: 142 Resp: 413

Ion Ratio Lower Upper

142 100

127 63.9 37.0 55.6#

141 0.0 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

400

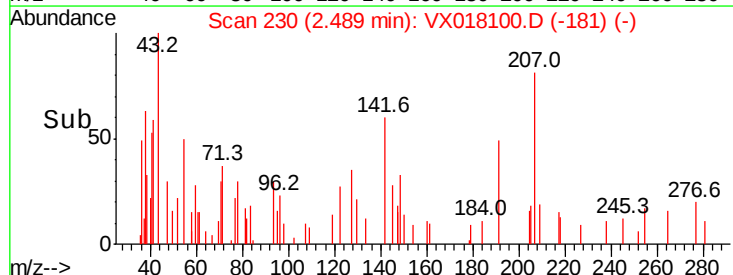
300

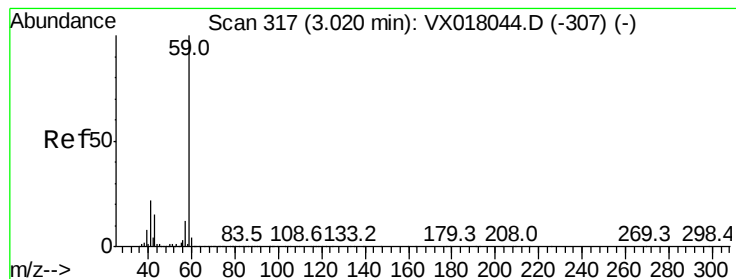
200

100

0

Time-->



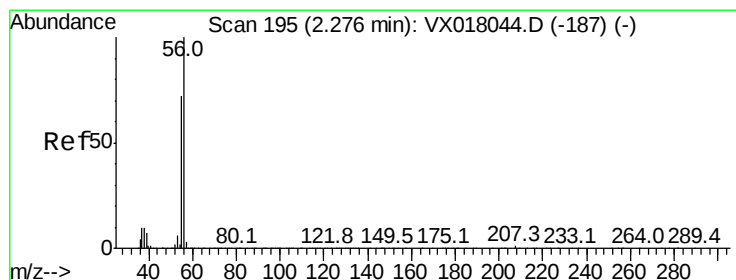
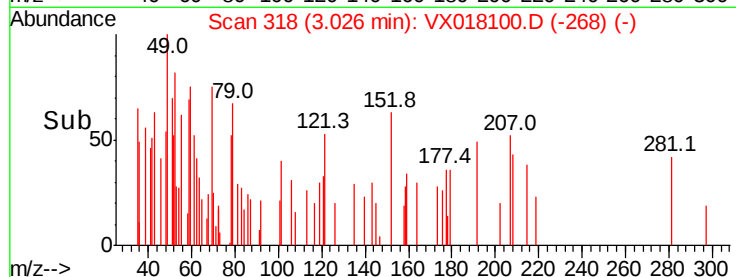
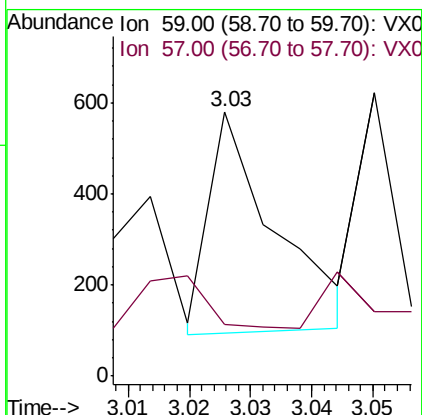
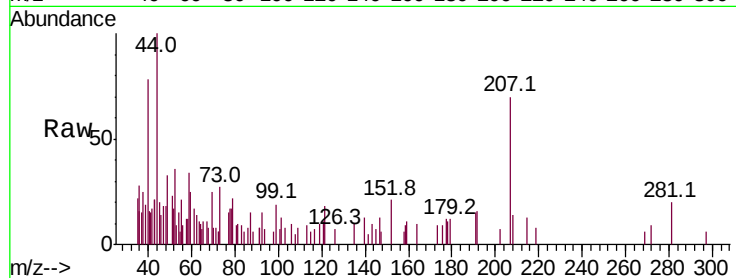


#11

Tert butyl alcohol
Concen: 0.228 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-638-640

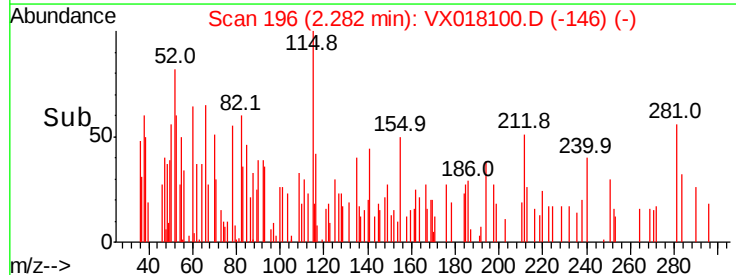
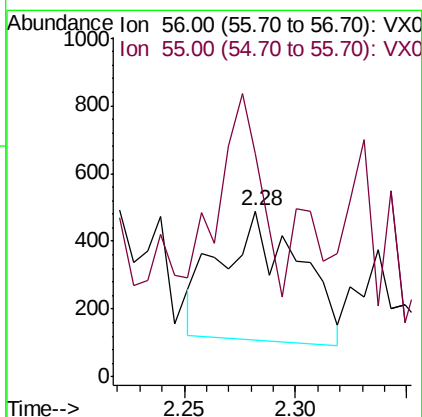
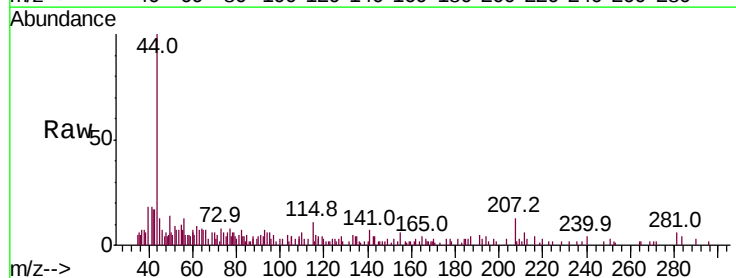
Tot Ion: 59 Resp: 366
Ion Ratio Lower Upper
59 100
57 23.5 8.9 13.3#

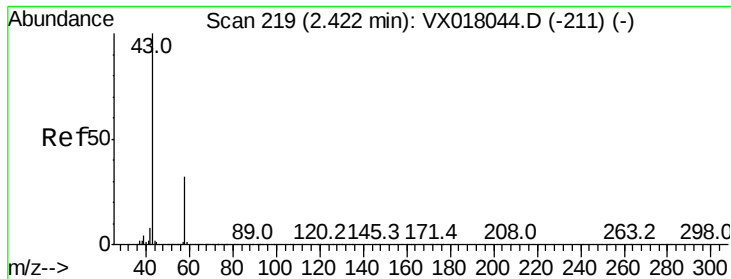


#13

Acrolein
Concen: 1.393 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

Tgt Ion: 56 Resp: 926
Ion Ratio Lower Upper
56 100
55 82.2 57.0 85.6

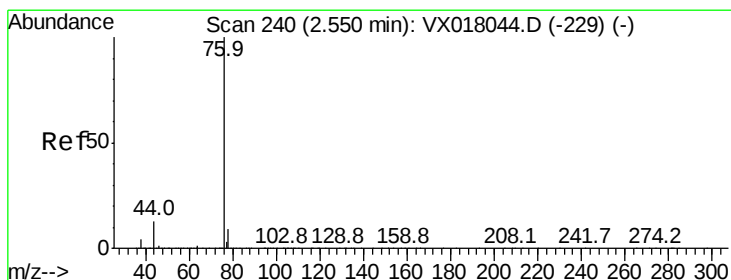
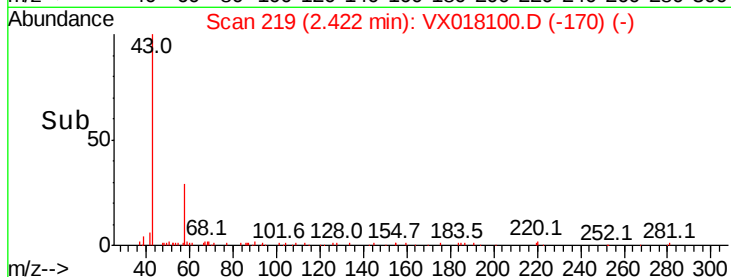
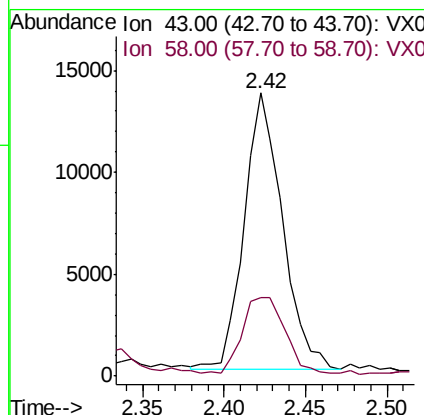
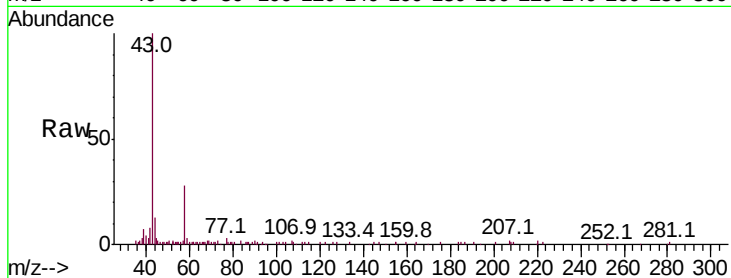




#16
Acetone
Concen: 6.897 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

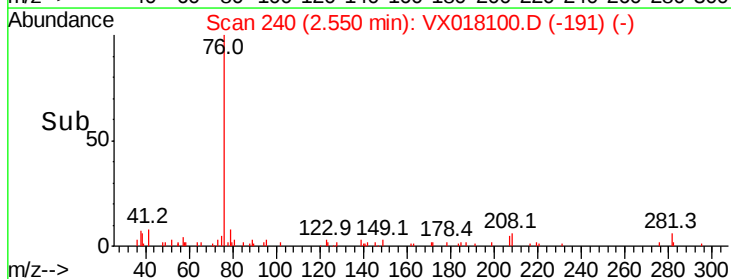
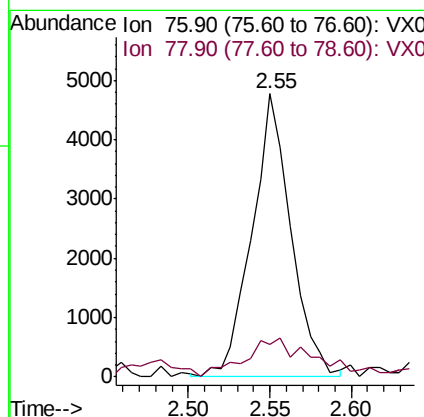
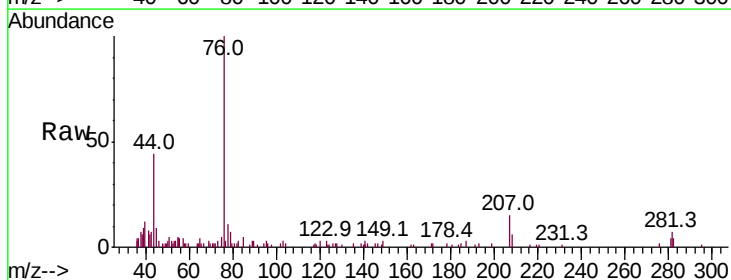
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-638-640

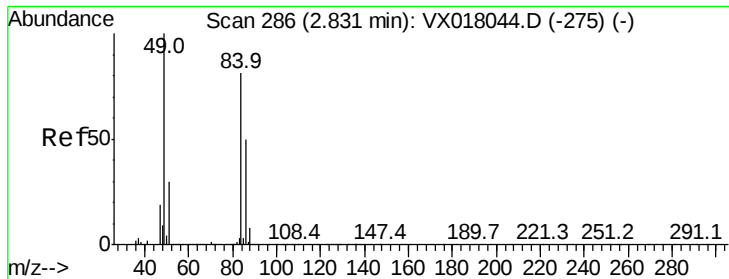
Tot Ion: 43 Resp: 22163
Ion Ratio Lower Upper
43 100
58 27.2 25.5 38.3



#17
Carbon Disulfide
Concen: 0.452 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

Tgt Ion: 76 Resp: 7935
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

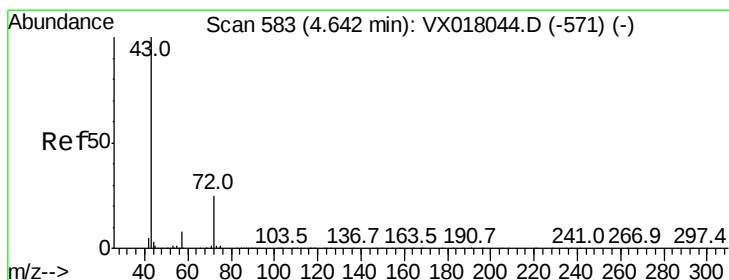
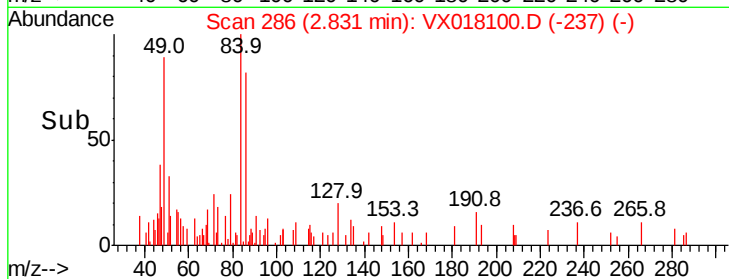
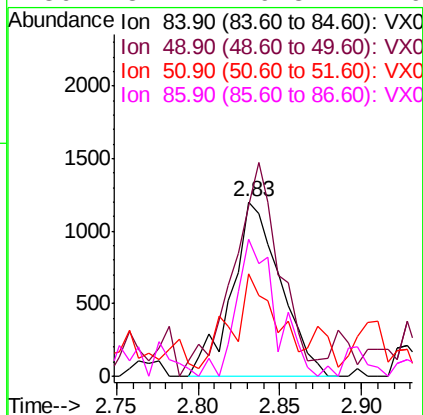
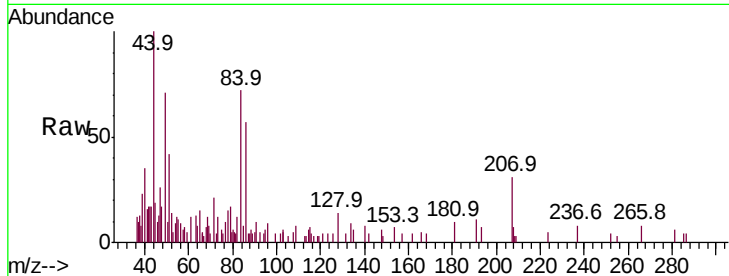




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

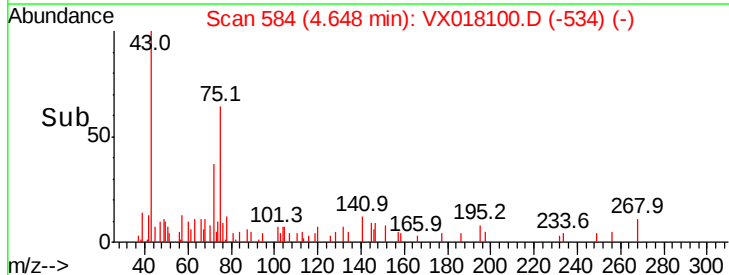
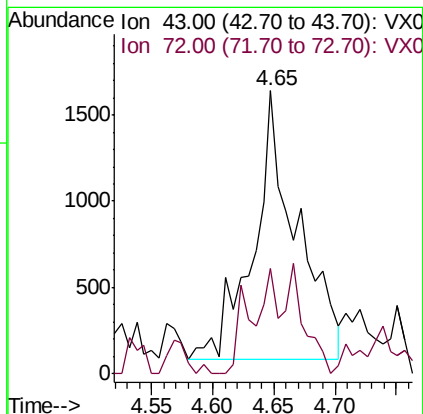
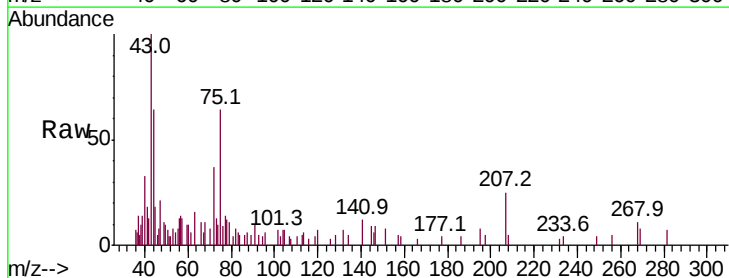
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-638-640

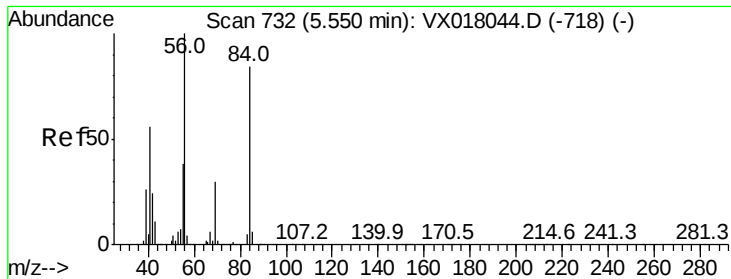
Tot Ion: 84 Resp: 2504
Ion Ratio Lower Upper
84 100
49 93.3 98.6 148.0#
51 44.8 29.6 44.4#
86 82.4 49.8 74.6#



#25
2-Butanone
Concen: 0.735 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

Tgt Ion: 43 Resp: 3882
Ion Ratio Lower Upper
43 100
72 35.9 19.8 29.6#





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-638-640

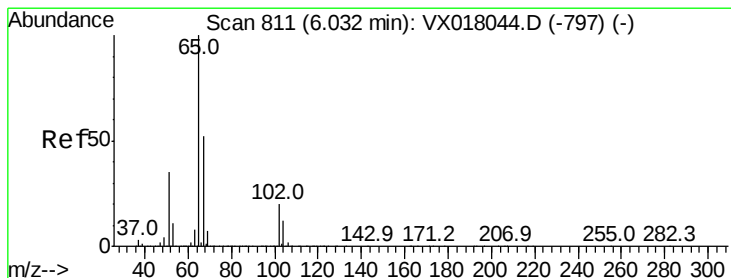
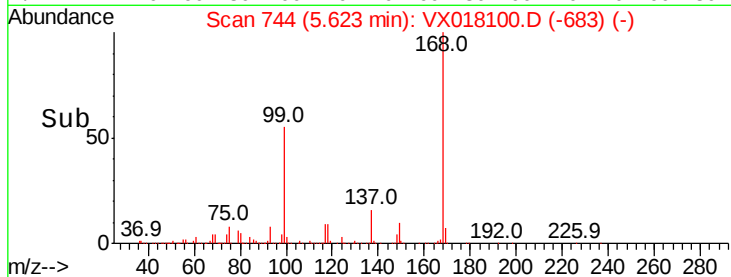
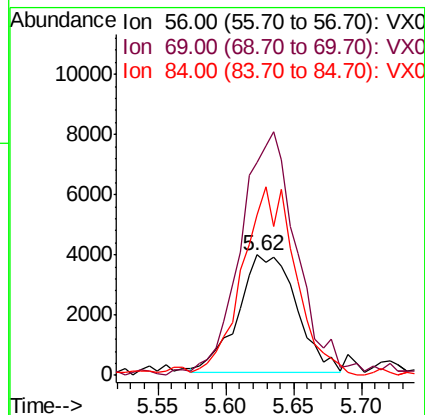
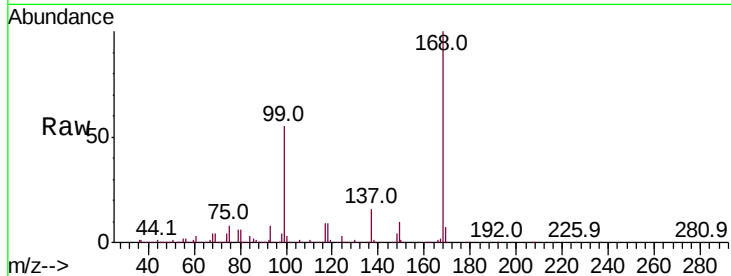
Tot Ion: 56 Resp: 11829

Ion Ratio Lower Upper

56 100

69 177.4 23.9 35.9#

84 135.3 67.0 100.4#



#33

1,2-Dichloroethane-d4

Concen: 48.296 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018100.D

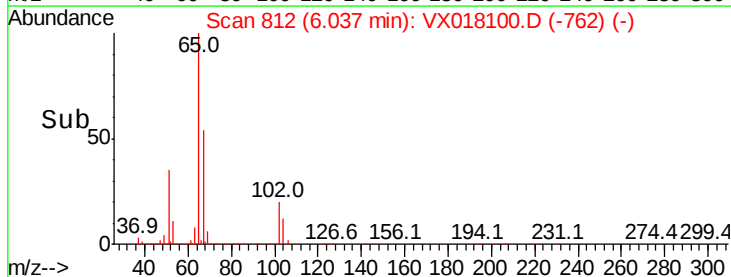
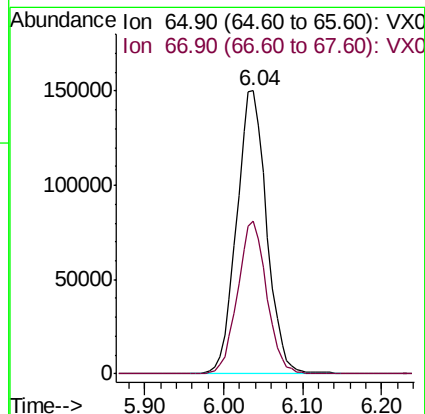
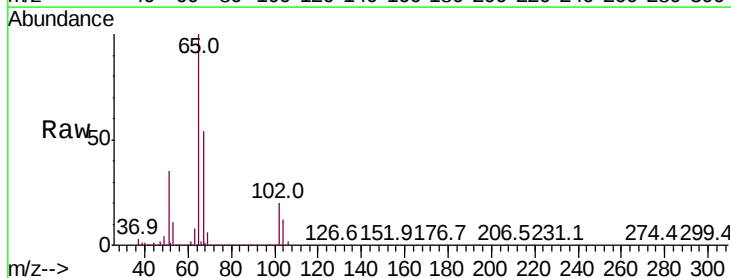
Acq: 27 Aug 2020 18:36

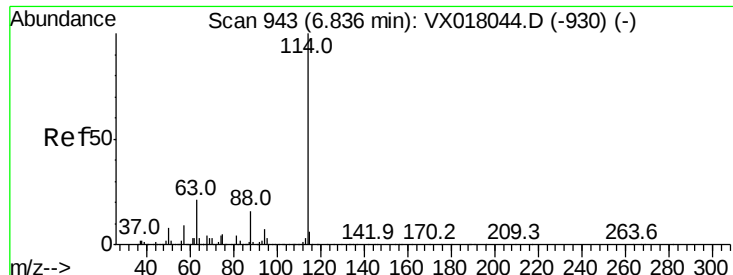
Tgt Ion: 65 Resp: 398297

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8

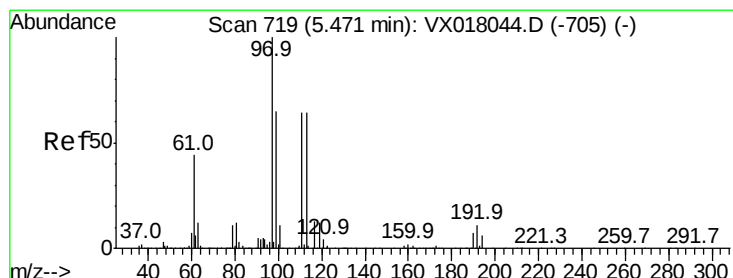
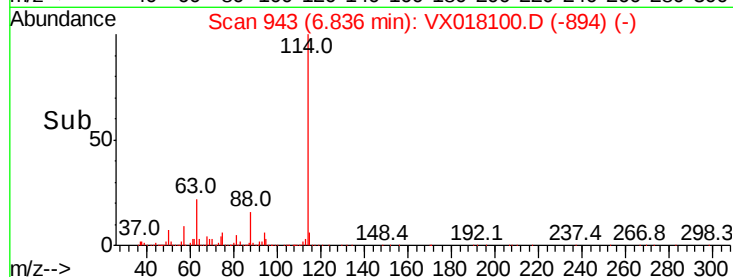
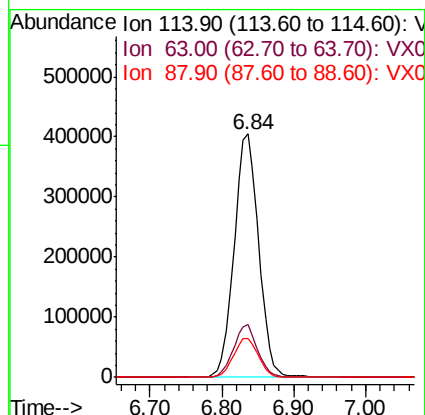
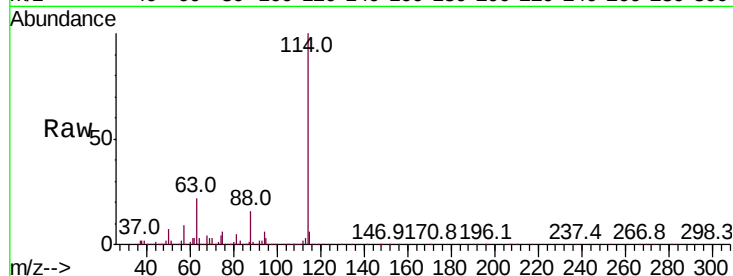




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018100.D
 Acq: 27 Aug 2020 18:36

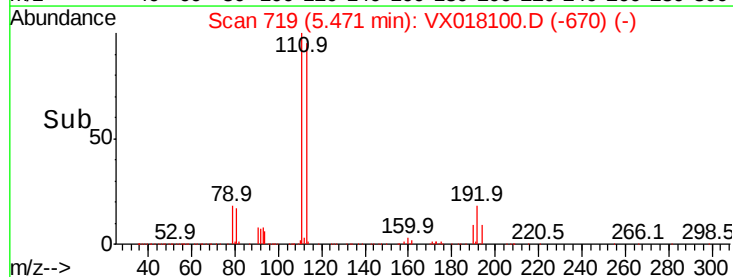
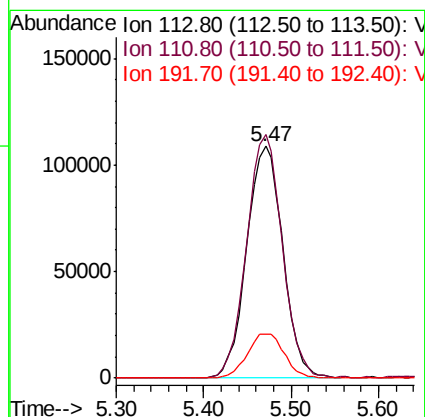
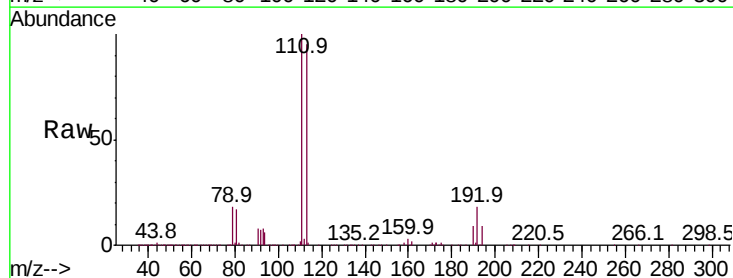
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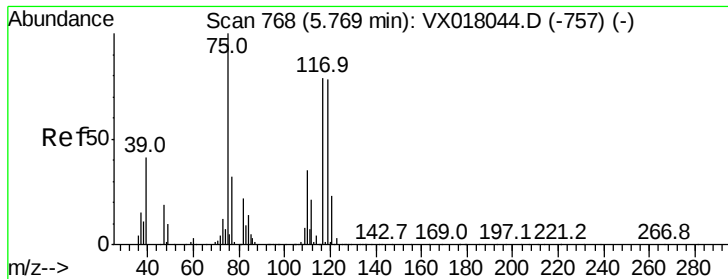
Tot Ion:114 Resp: 955502
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.6
 88 16.0 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 48.316 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018100.D
 Acq: 27 Aug 2020 18:36

Tgt Ion:113 Resp: 314413
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.6 122.4
 192 19.5 15.8 23.8





#36

1,1-Dichloropropene

Concen: 5.245 ug/l

RT: 5.64 min Scan# 746

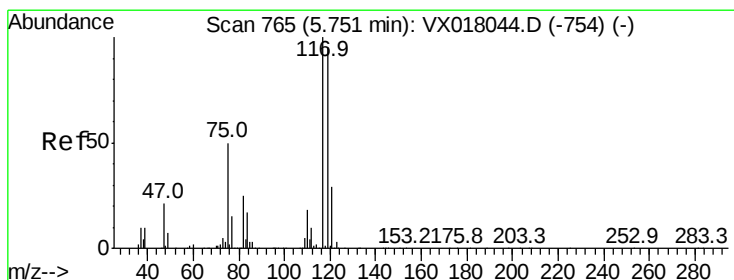
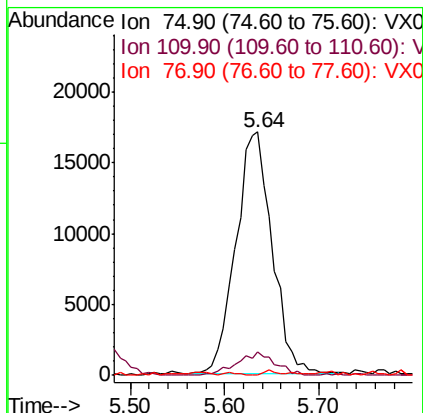
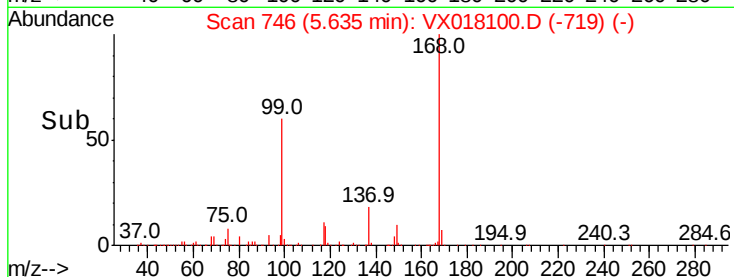
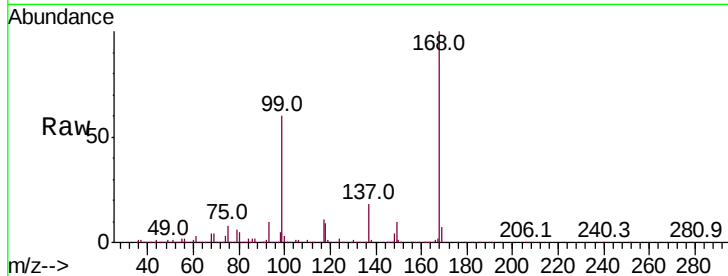
Delta R.T. -0.13 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-638-640

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.0	54.0#
77	0.8	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.915 ug/l

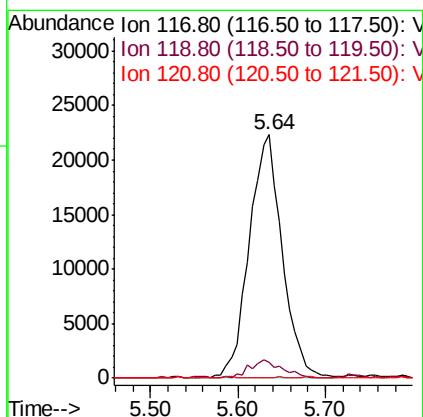
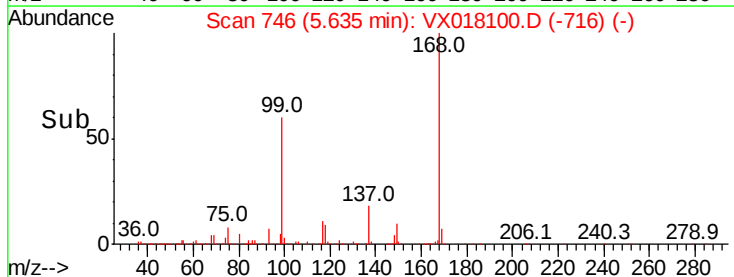
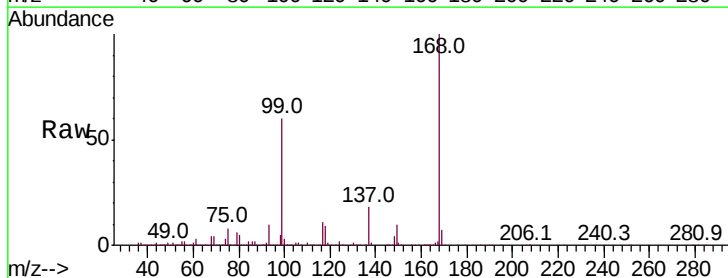
RT: 5.64 min Scan# 746

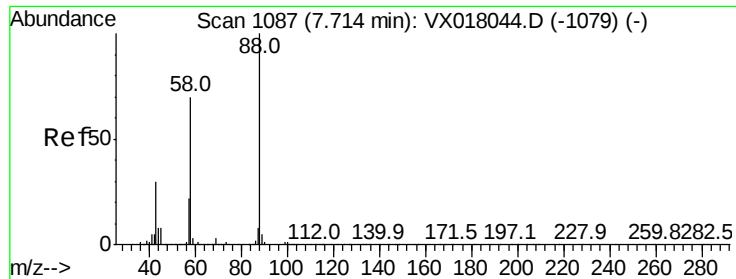
Delta R.T. -0.12 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.8	113.6#
121	0.0	23.4	35.0#

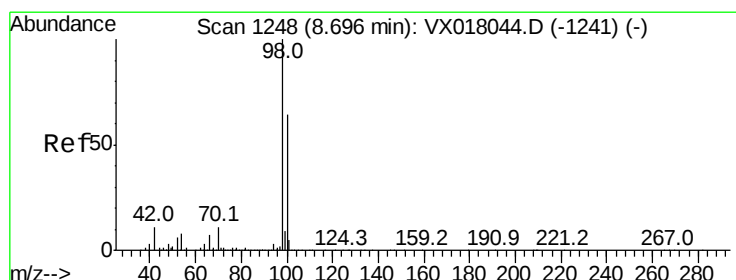
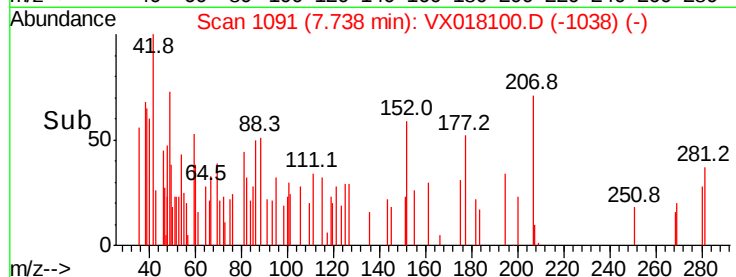
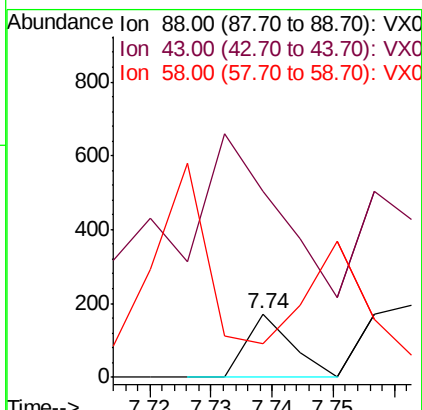
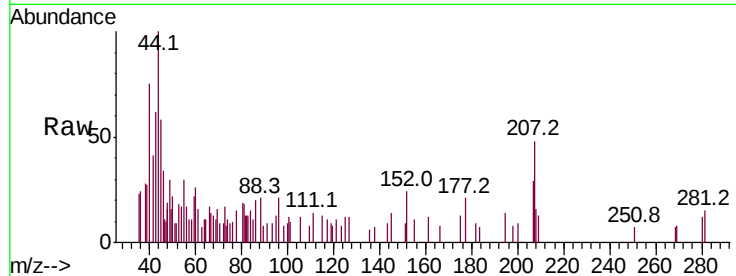




#49
1,4-Dioxane
Concen: 0.584 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

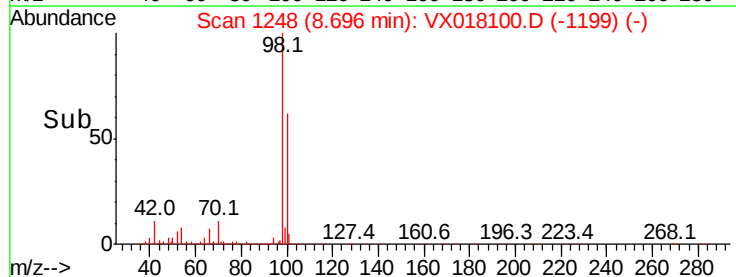
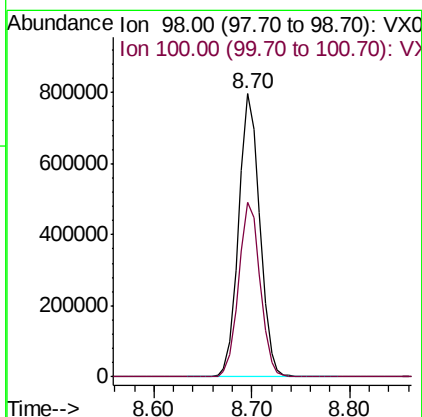
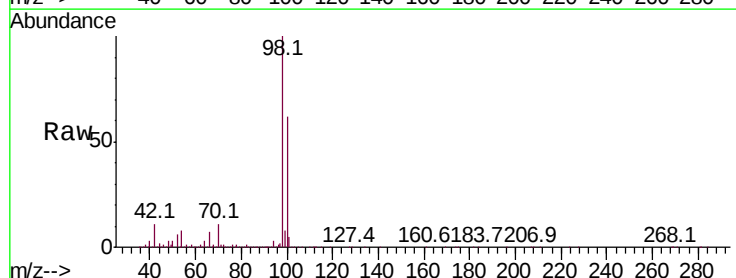
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-638-640

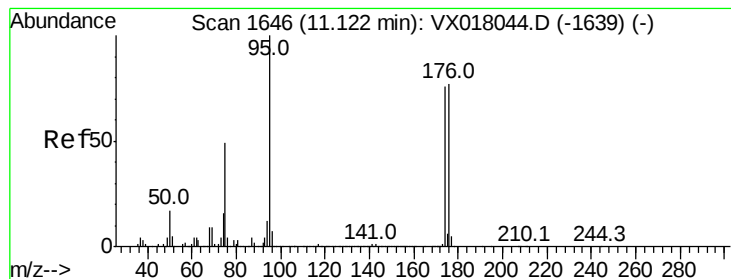
Tot Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 504.6 27.4 41.0#
58 562.1 56.4 84.6#



#50
Toluene-d8
Concen: 49.404 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018100.D
Acq: 27 Aug 2020 18:36

Tgt Ion: 98 Resp: 1197413
Ion Ratio Lower Upper
98 100
100 62.7 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 46.569 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-638-640

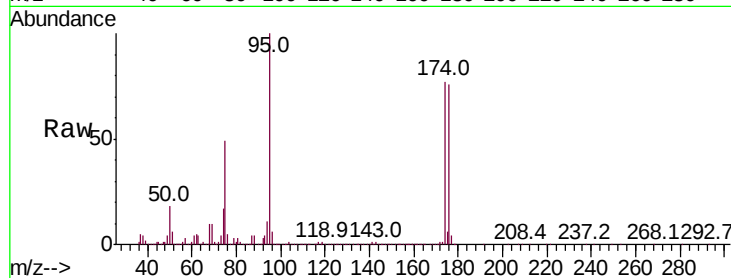
Tot Ion: 95 Resp: 444076

Ion Ratio Lower Upper

95 100

174 78.4 0.0 160.2

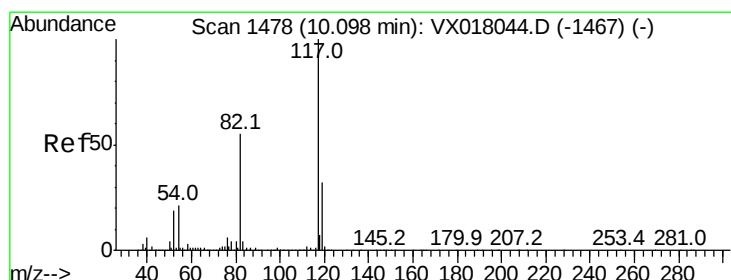
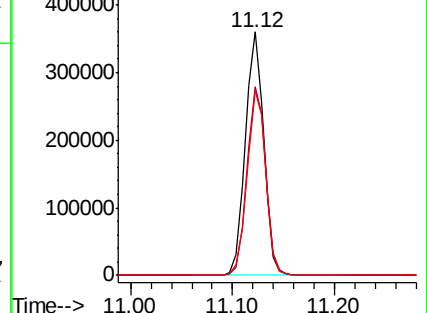
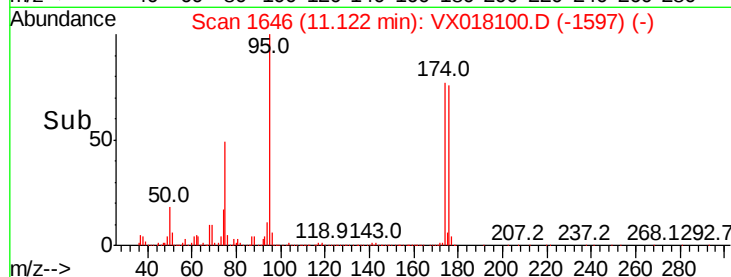
176 76.5 0.0 155.8



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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

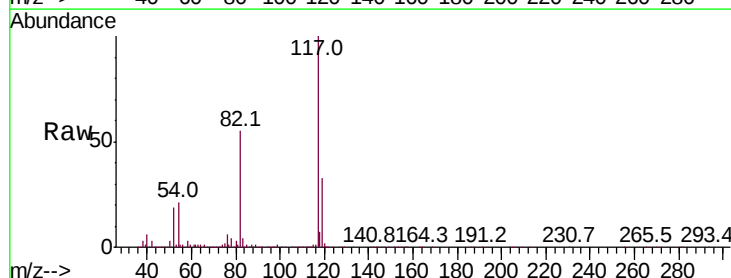
Tgt Ion: 117 Resp: 917106

Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.2

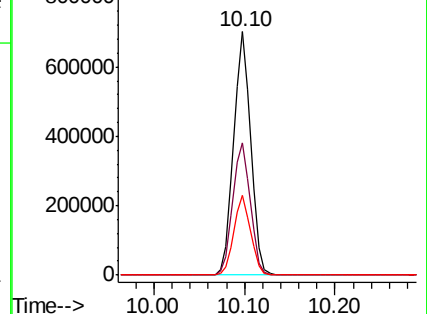
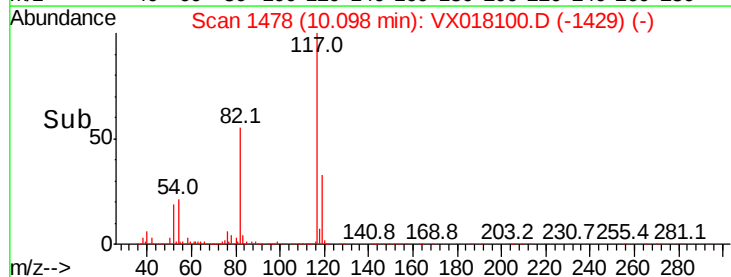
119 32.5 25.7 38.5

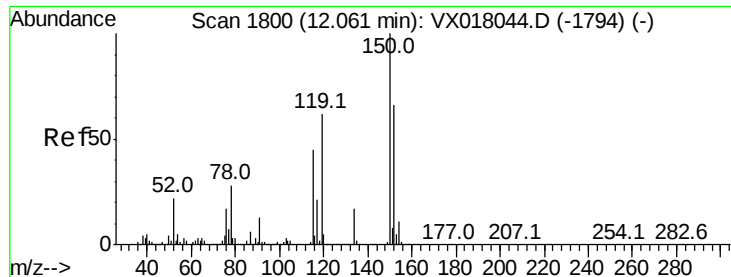


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-638-640

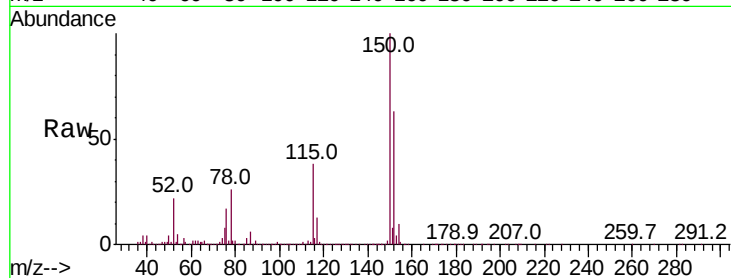
Tot Ion:152 Resp: 426035

Ion Ratio Lower Upper

152 100

115 58.5 41.5 124.5

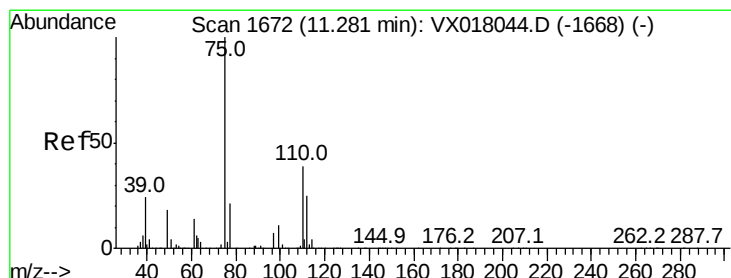
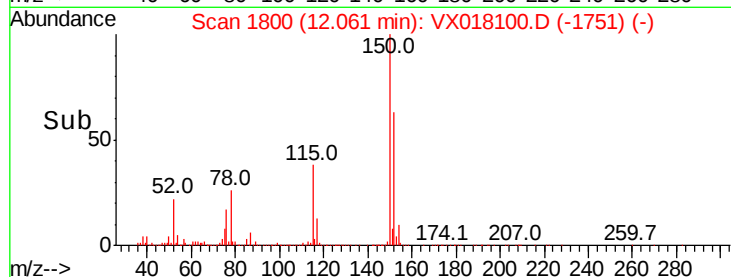
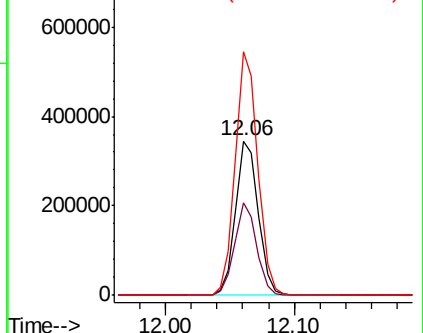
150 156.6 0.0 343.8



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: 23.203 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018100.D

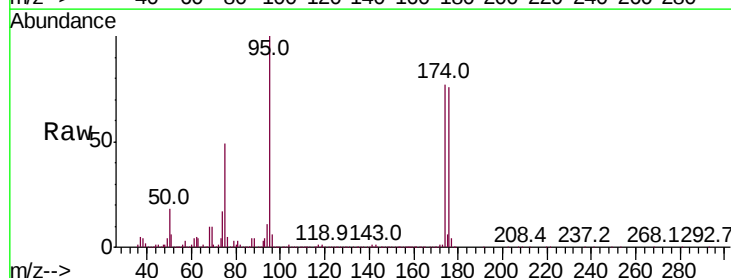
Acq: 27 Aug 2020 18:36

Tgt Ion: 75 Resp: 219904

Ion Ratio Lower Upper

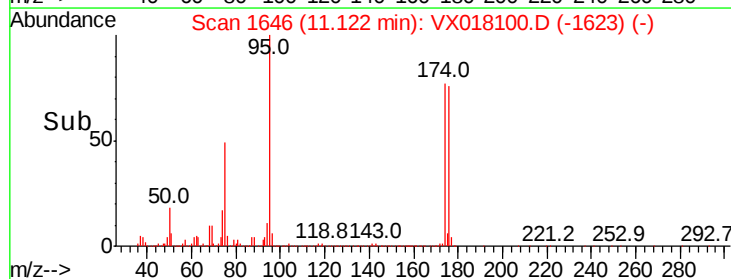
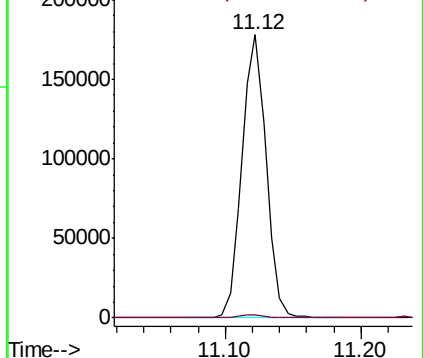
75 100

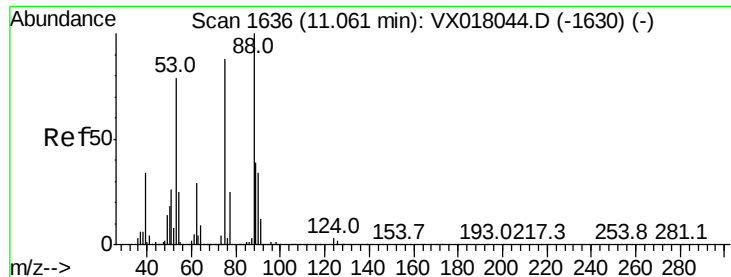
77 1.1 20.8 62.2#



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: 62.668 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018100.D

Acq: 27 Aug 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-638-640

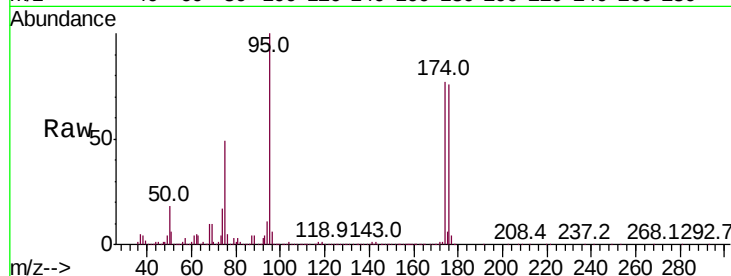
Tot Ion: 75 Resp: 219904

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.0 36.6 54.8#



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

