

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX081920\
 Data File : VX017977.D
 Acq On : 19 Aug 2020 12:17
 Operator : JC/SP
 Sample : L3717-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-778-780

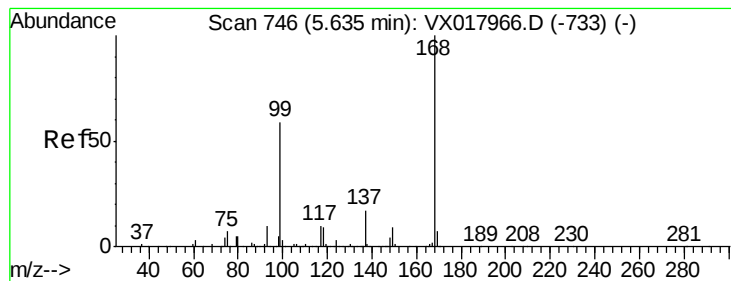
Quant Time: Aug 19 13:20:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	509765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	763583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	701756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	313862	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	333143	44.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.16%		
35) Dibromofluoromethane	5.47	113	268264	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.36%		
50) Toluene-d8	8.70	98	924782	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.02%		
62) 4-Bromofluorobenzene	11.12	95	318315	42.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.76%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	460	1.048	ug/l #	44
4) Vinyl Chloride	1.39	62	907	2.380	ug/l #	53
6) Chloroethane	1.73	64	1004	0.263	ug/l #	43
11) Tert butyl alcohol	3.03	59	753	0.522	ug/l #	71
13) Acrolein	2.28	56	705	0.925	ug/l #	13
15) Acrylonitrile	3.12	53	844	0.268	ug/l #	79
16) Acetone	2.42	43	14041	4.776	ug/l	94
17) Carbon Disulfide	2.56	76	2435	0.218	ug/l #	88
20) Methylene Chloride	2.83	84	1752	0.323	ug/l #	66
25) 2-Butanone	4.64	43	2820	0.634	ug/l	90
36) 1,1-Dichloropropene	5.63	75	39376	6.161	ug/l #	53
38) Carbon Tetrachloride	5.63	117	51311	6.203	ug/l #	15
39) Methylcyclohexane	7.35	83	175	0.834	ug/l	94
40) Benzene	6.13	78	4028	0.209	ug/l #	71
49) 1,4-Dioxane	7.74	88	40	0.319	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	161808	24.242	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	161808	63.686	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

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ClientSampleId :

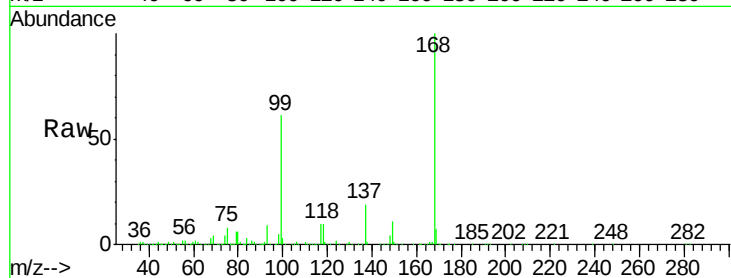
BP-VPB179-GW-778-780

Tgt Ion:168 Resp: 509765

Ion Ratio Lower Upper

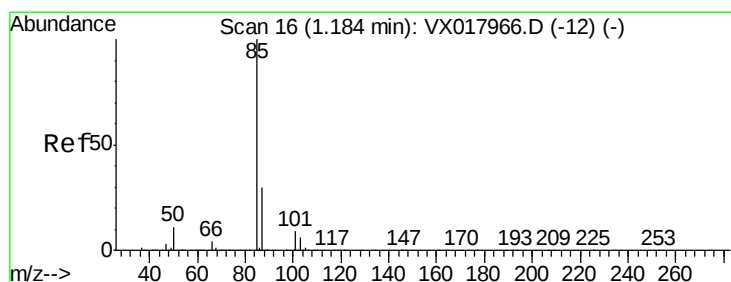
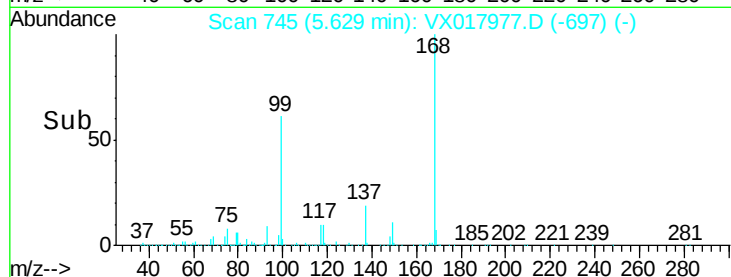
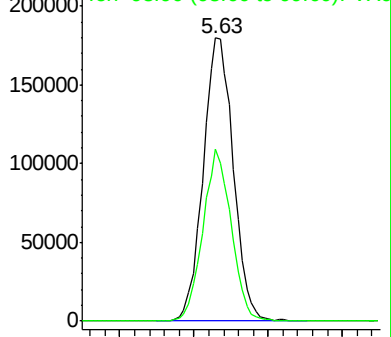
168 100

99 61.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.048 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017977.D

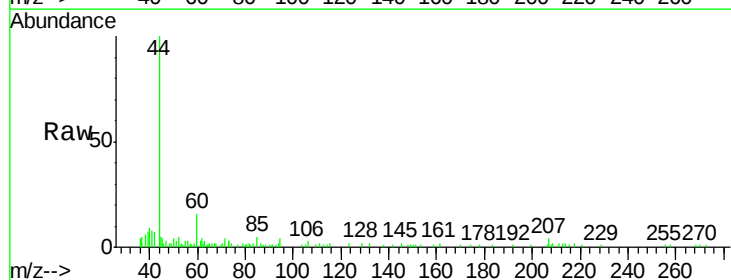
Acq: 19 Aug 2020 12:17

Tgt Ion: 85 Resp: 460

Ion Ratio Lower Upper

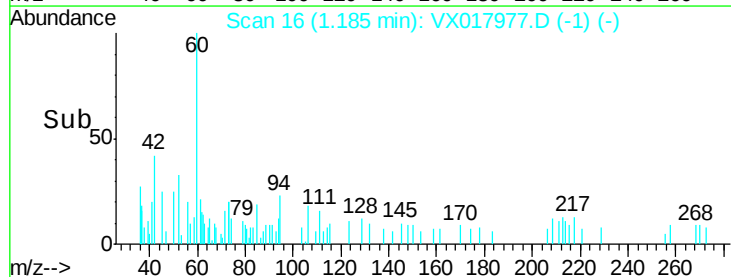
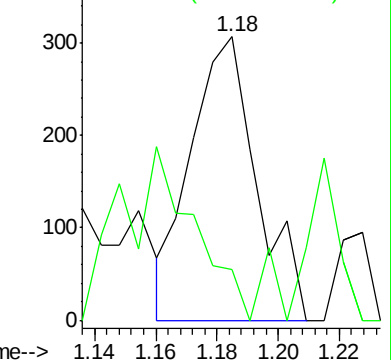
85 100

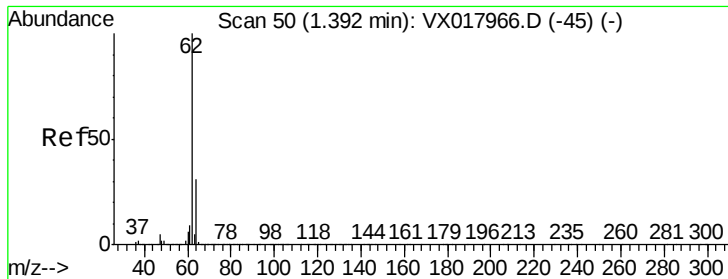
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 2.380 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017977.D

Acq: 19 Aug 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

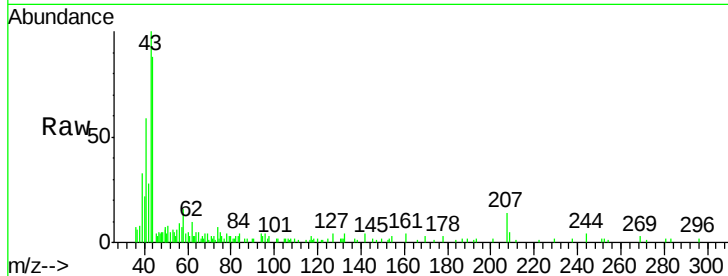
BP-VPB179-GW-778-780

Tgt Ion: 62 Resp: 907

Ion Ratio Lower Upper

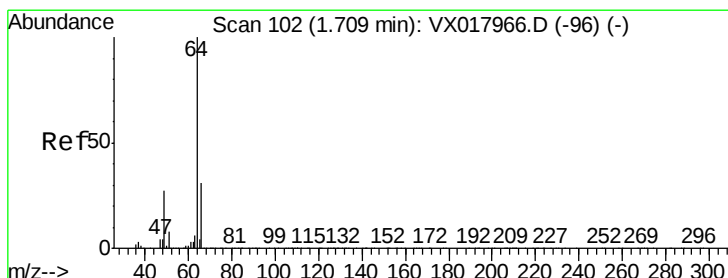
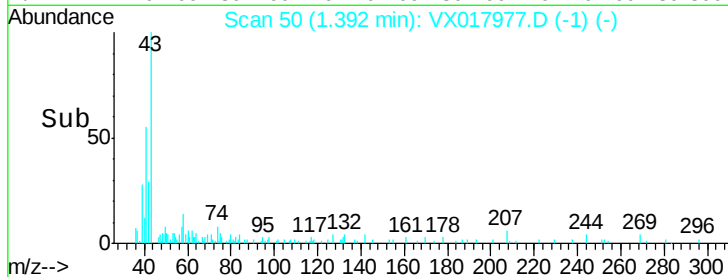
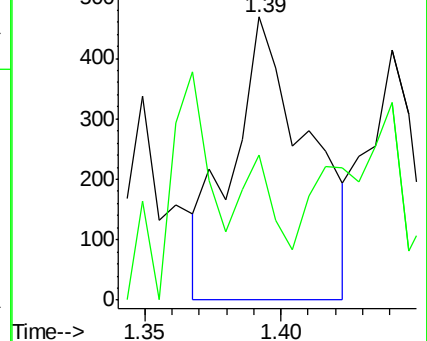
62 100

64 5.2 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.263 ug/l

RT: 1.73 min Scan# 105

Delta R.T. 0.02 min

Lab File: VX017977.D

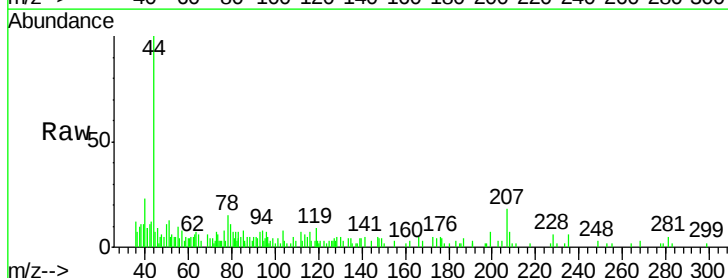
Acq: 19 Aug 2020 12:17

Tgt Ion: 64 Resp: 1004

Ion Ratio Lower Upper

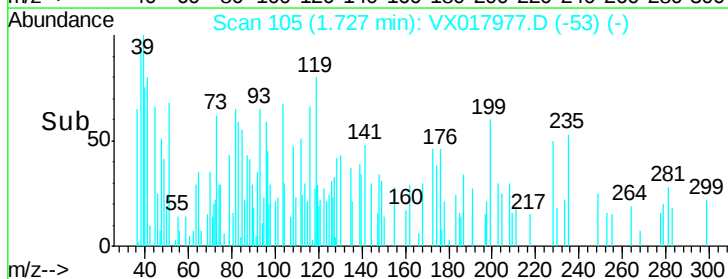
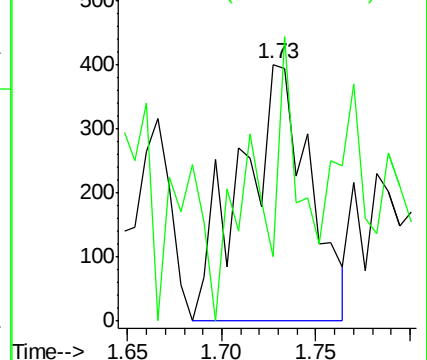
64 100

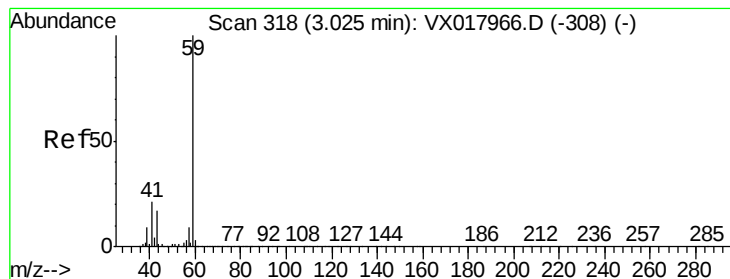
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



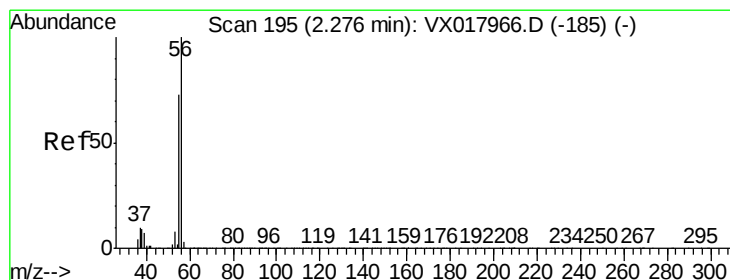
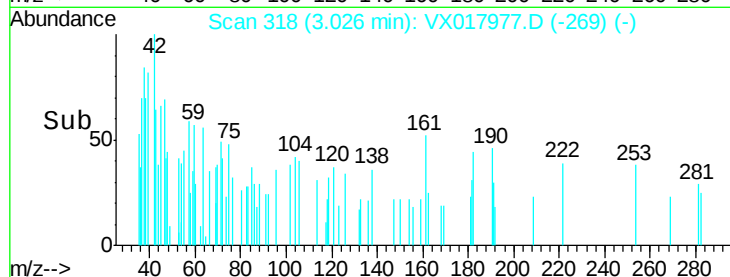
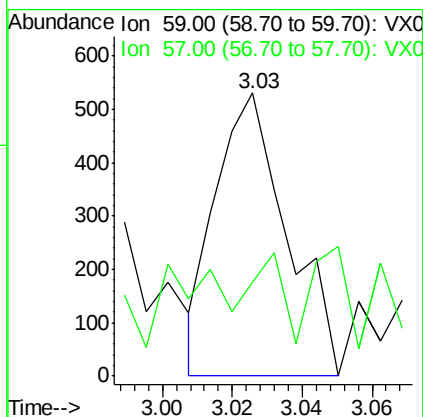
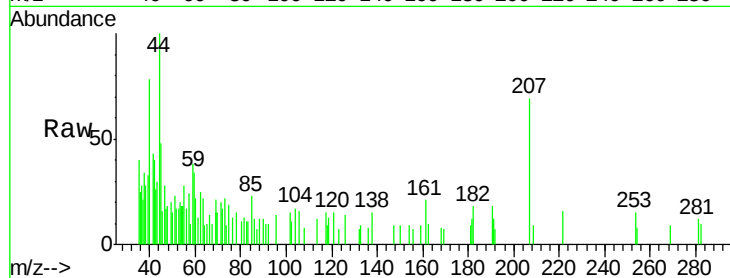


#11

Tert butyl alcohol
Concen: 0.522 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.00 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-778-780

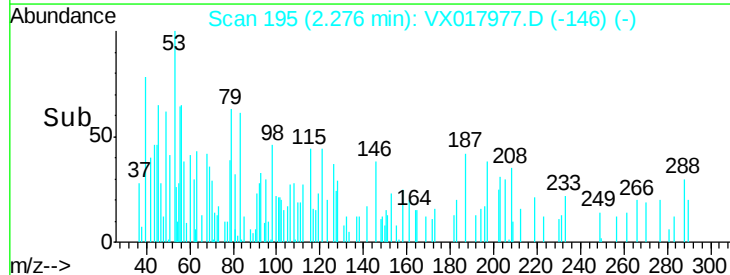
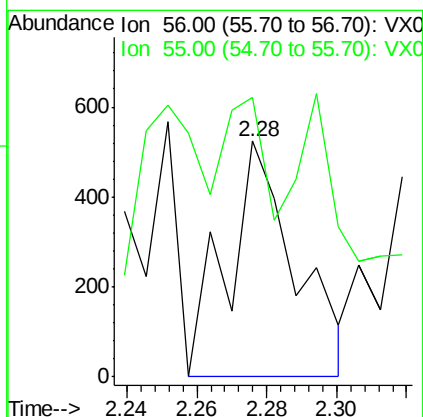
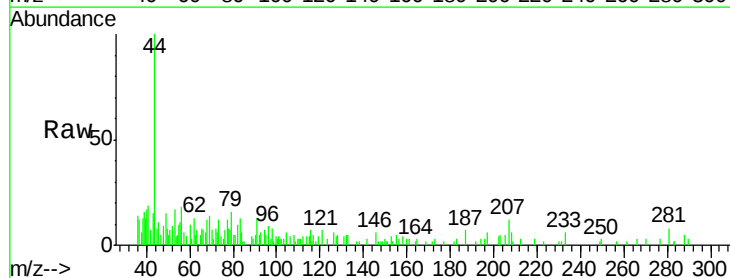
Tgt Ion: 59 Resp: 753
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

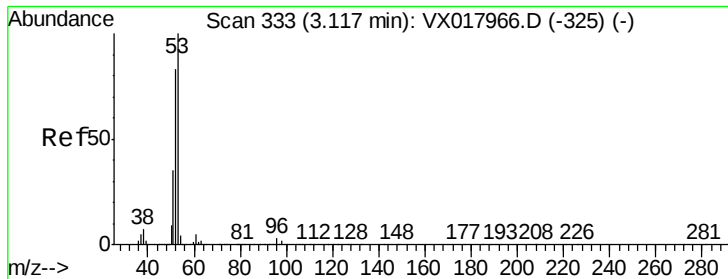


#13

Acrolein
Concen: 0.925 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

Tgt Ion: 56 Resp: 705
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#





#15

Acrylonitrile

Concen: 0.268 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017977.D

Acq: 19 Aug 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-778-780

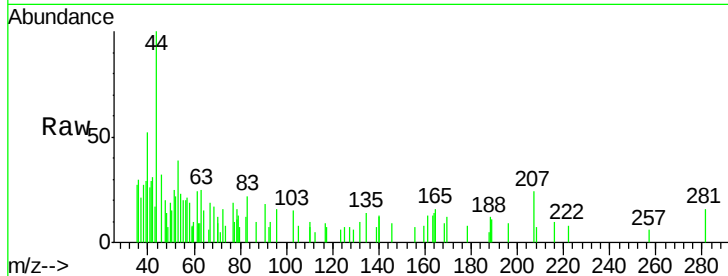
Tgt Ion: 53 Resp: 844

Ion Ratio Lower Upper

53 100

52 87.3 67.1 100.7

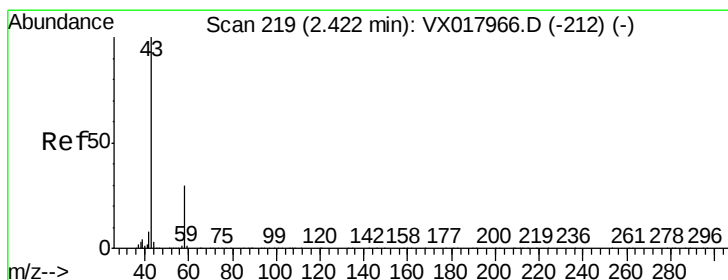
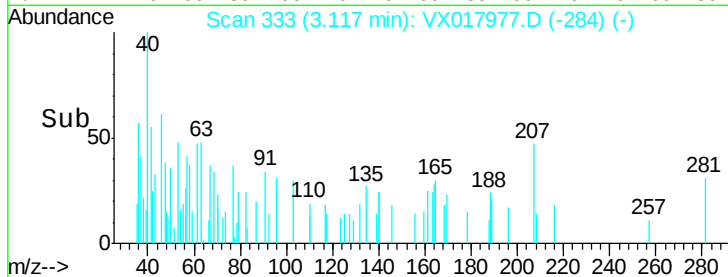
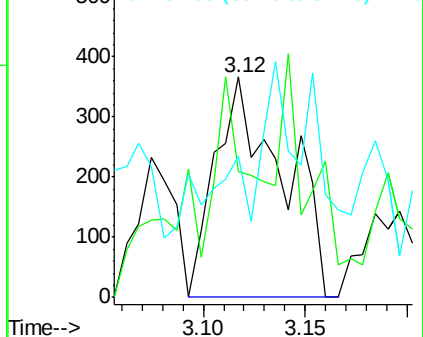
51 0.0 29.2 43.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.776 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017977.D

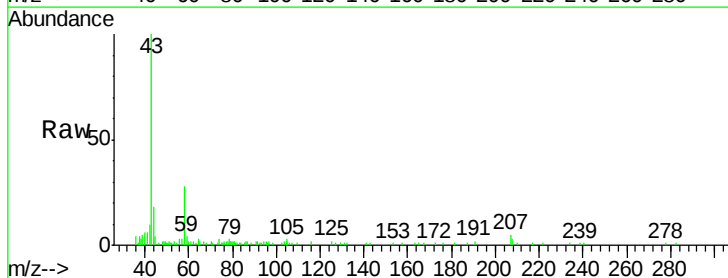
Acq: 19 Aug 2020 12:17

Tgt Ion: 43 Resp: 14041

Ion Ratio Lower Upper

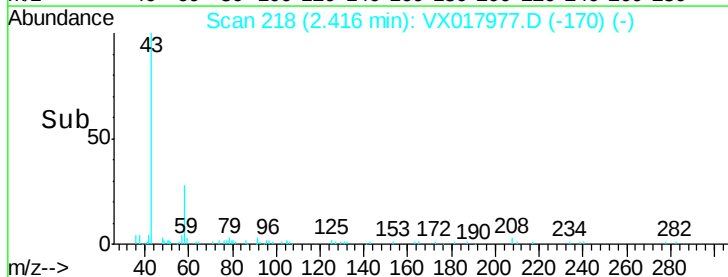
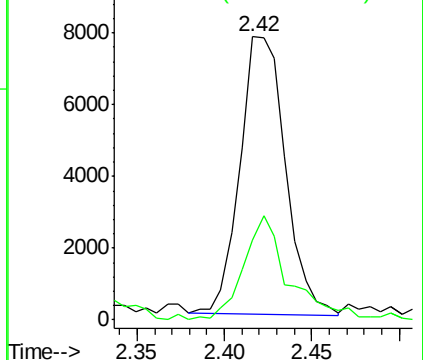
43 100

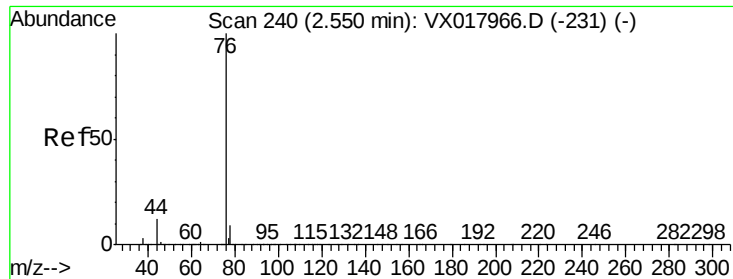
58 26.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

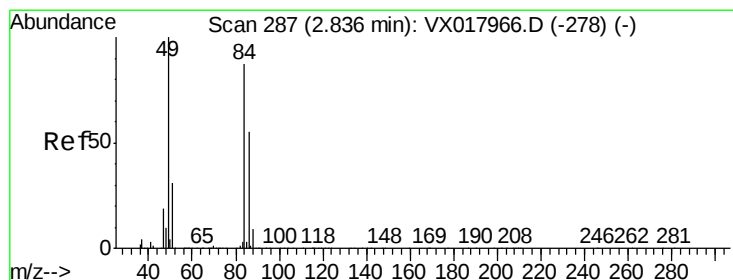
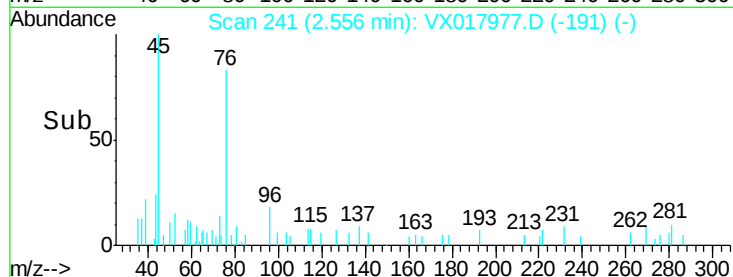
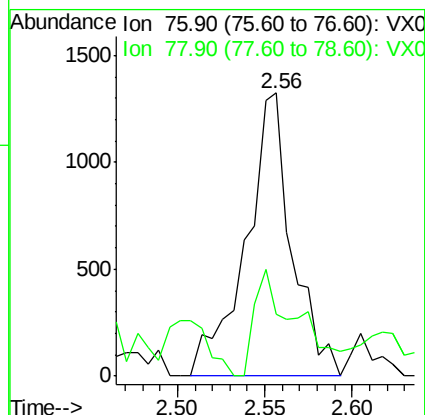
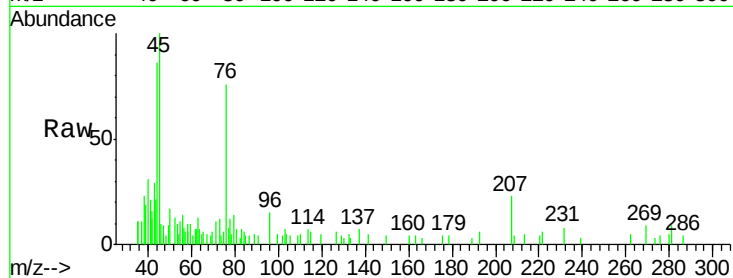




#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

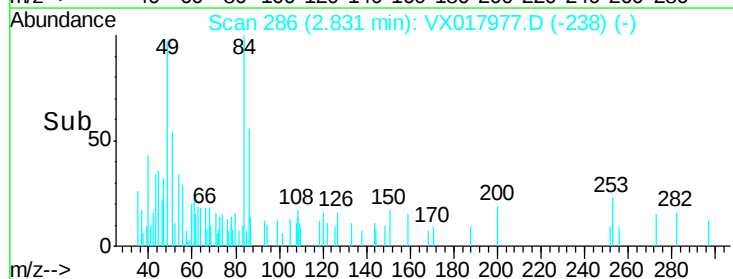
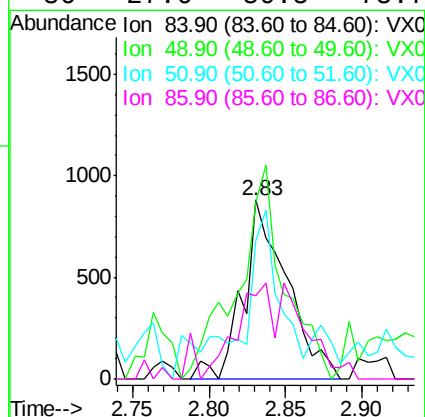
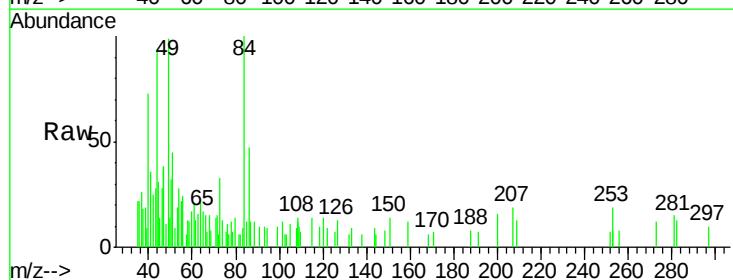
Instrument :
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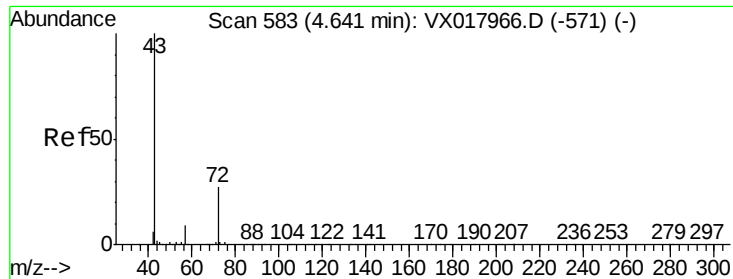
Tgt Ion: 76 Resp: 2435
Ion Ratio Lower Upper
76 100
78 13.4 7.3 10.9#



#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

Tgt Ion: 84 Resp: 1752
Ion Ratio Lower Upper
84 100
49 93.1 91.8 137.6
51 68.1 27.8 41.8#
86 27.6 50.5 75.7#

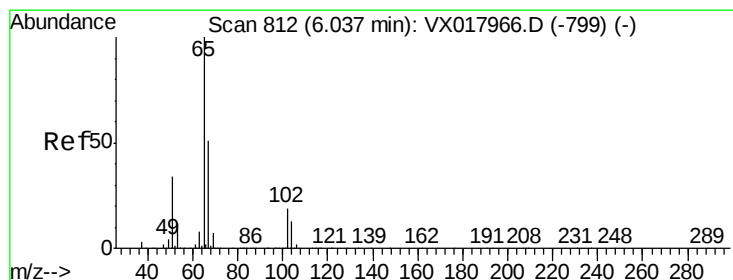
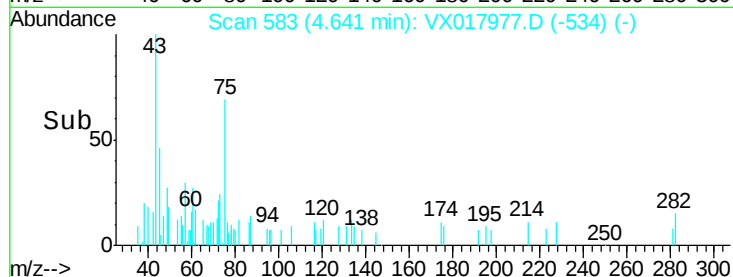
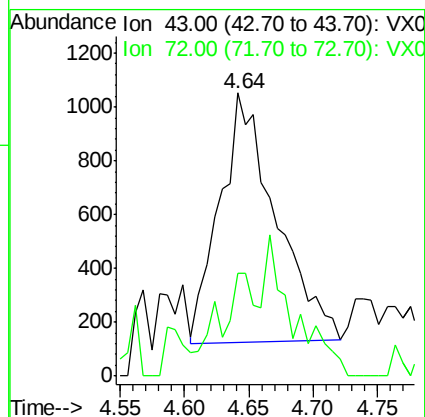
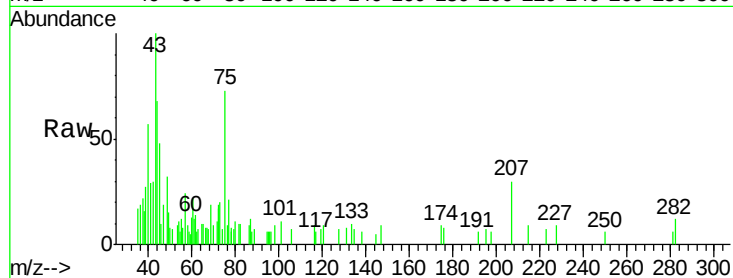




#25
2-Butanone
Concen: 0.634 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

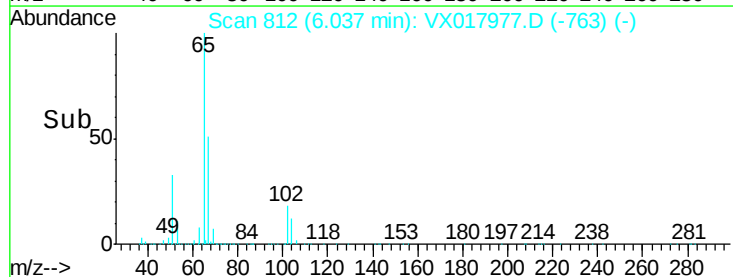
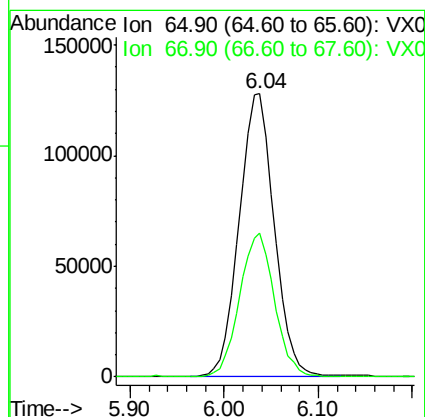
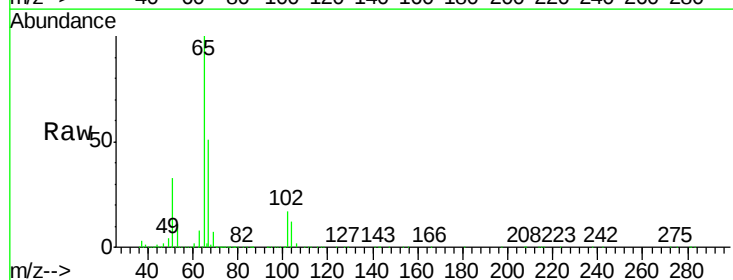
Instrument :
MSVOA_X
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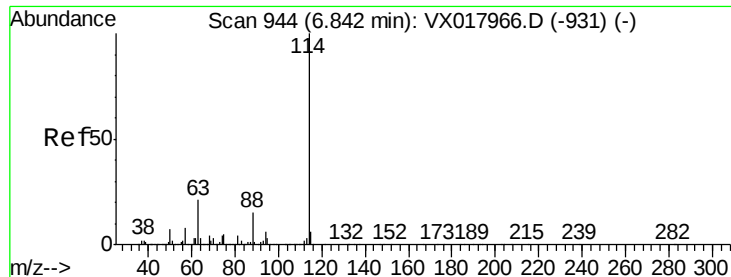
Tgt Ion: 43 Resp: 2820
Ion Ratio Lower Upper
43 100
72 31.9 21.4 32.2



#33
1,2-Dichloroethane-d4
Concen: 44.581 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

Tgt Ion: 65 Resp: 333143
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX017977.D

Acq: 19 Aug 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-778-780

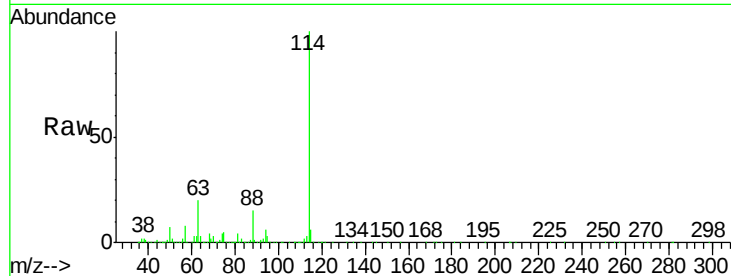
Tgt Ion:114 Resp: 763583

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

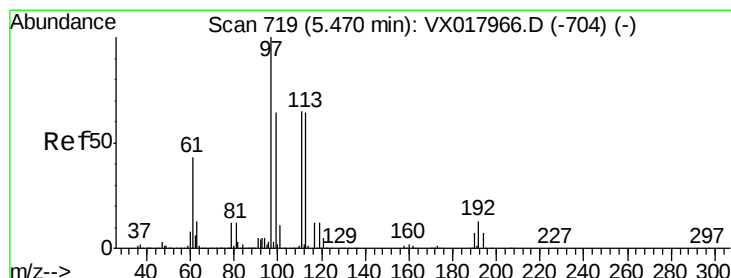
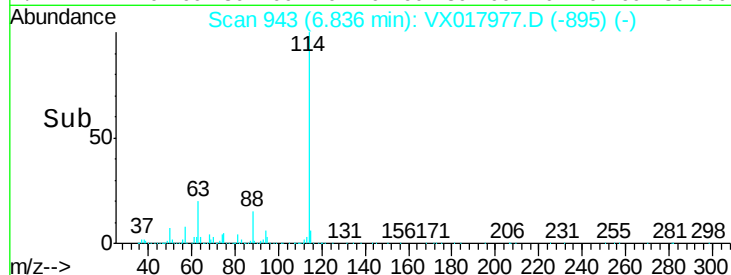
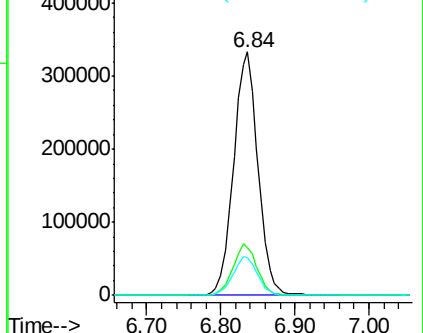
88 15.1 0.0 30.2



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: 47.177 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017977.D

Acq: 19 Aug 2020 12:17

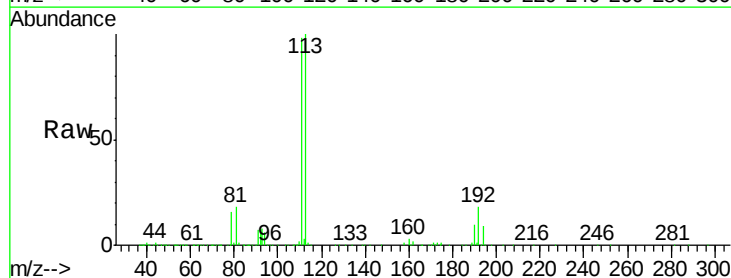
Tgt Ion:113 Resp: 268264

Ion Ratio Lower Upper

113 100

111 102.3 83.5 125.3

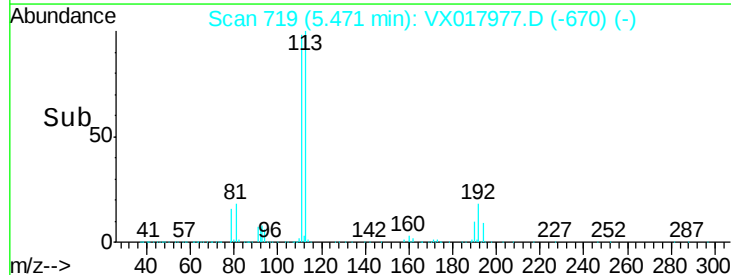
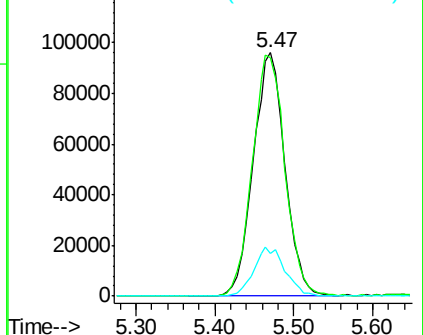
192 19.9 16.2 24.4

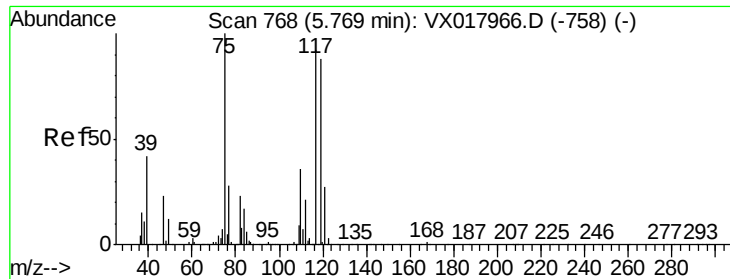


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.161 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017977.D

Acq: 19 Aug 2020 12:17

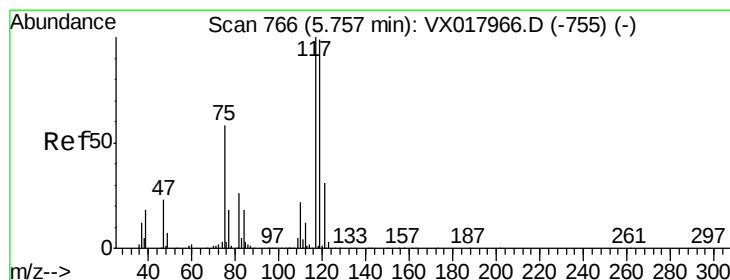
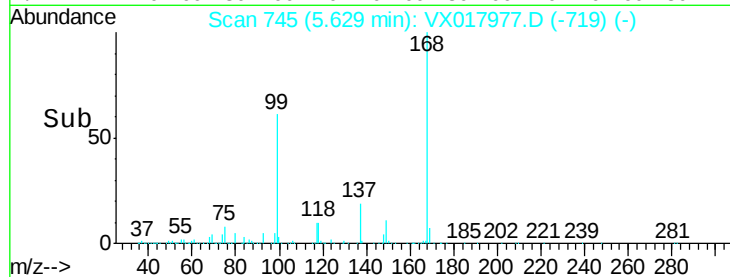
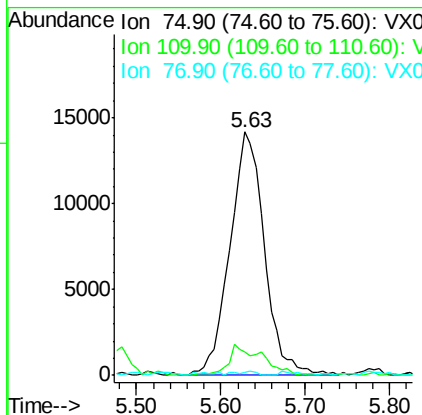
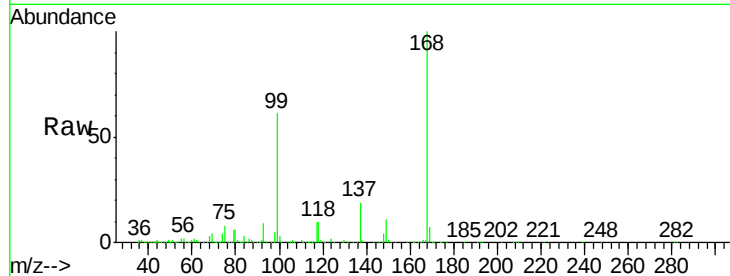
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-778-780

Tgt Ion:	75	Resp:	39376
Ion	Ratio	Lower	Upper
75	100		
110	12.4	18.7	56.1#
77	1.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.203 ug/l

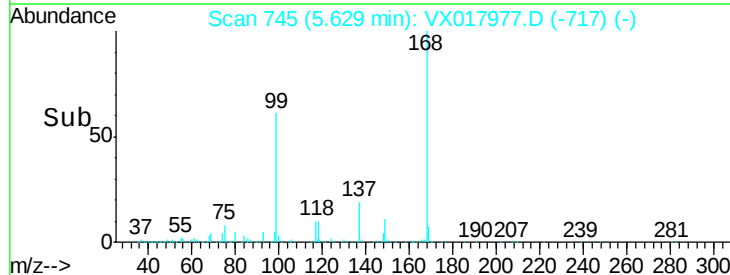
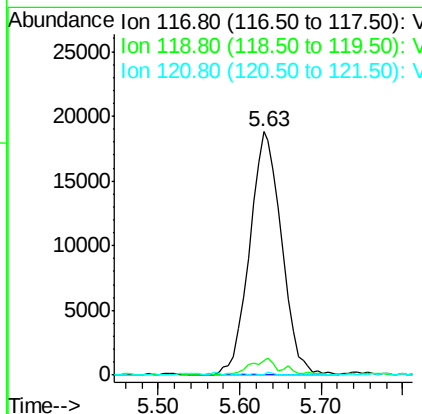
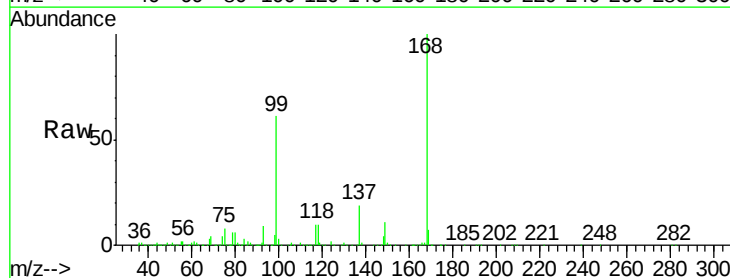
RT: 5.63 min Scan# 745

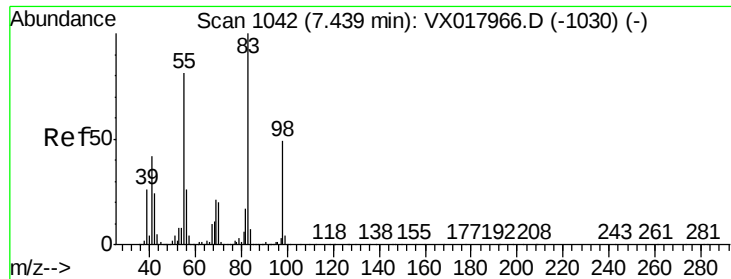
Delta R.T. -0.13 min

Lab File: VX017977.D

Acq: 19 Aug 2020 12:17

Tgt Ion:	117	Resp:	51311
Ion	Ratio	Lower	Upper
117	100		
119	5.7	79.0	118.6#
121	0.3	24.7	37.1#

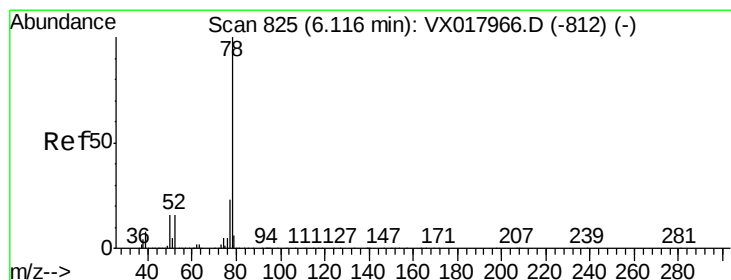
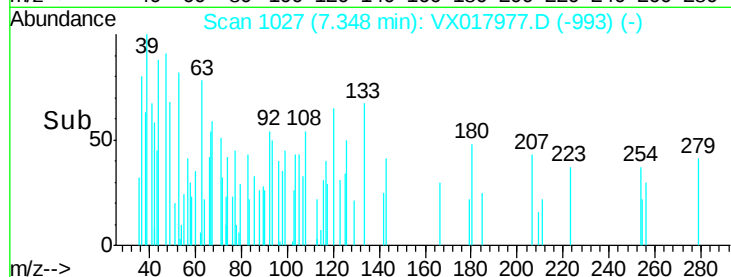
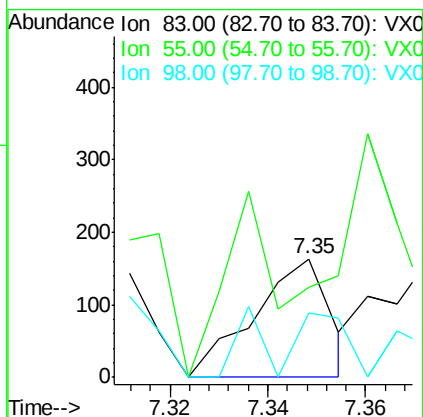
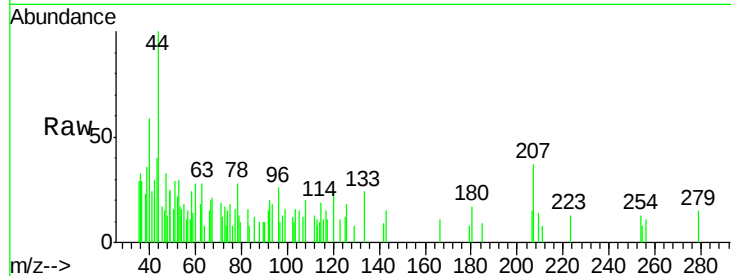




#39
Methylcyclohexane
Concen: 0.834 ug/l
RT: 7.35 min Scan# 1027
Delta R.T. -0.09 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

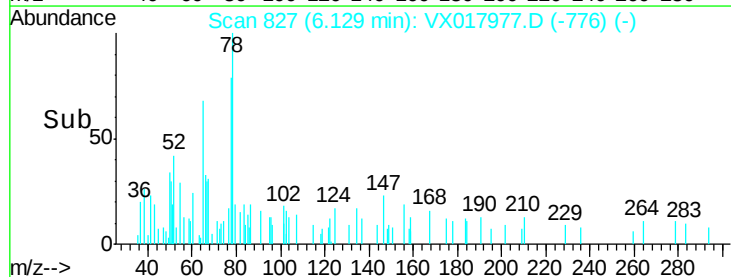
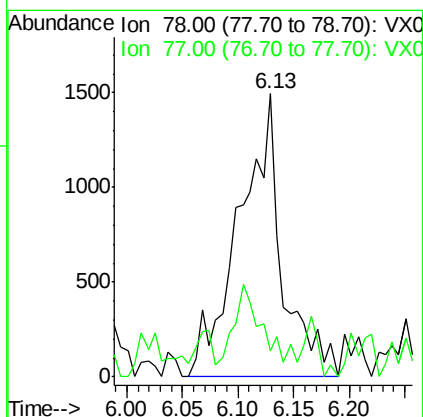
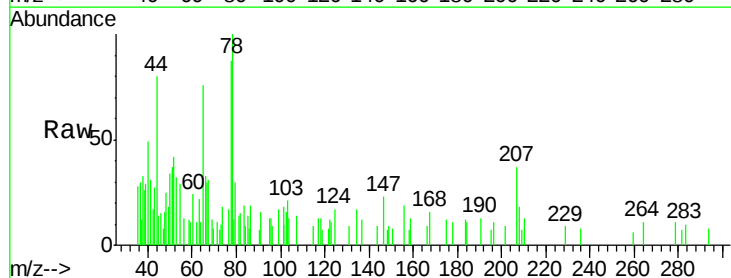
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-778-780

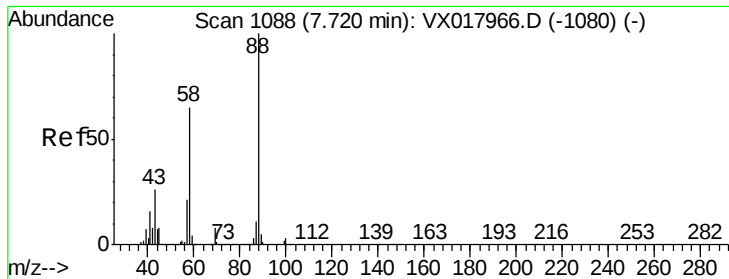
Tgt Ion: 83 Resp: 175
Ion Ratio Lower Upper
83 100
55 76.7 64.5 96.7
98 54.0 39.0 58.6



#40
Benzene
Concen: 0.209 ug/l
RT: 6.13 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

Tgt Ion: 78 Resp: 4028
Ion Ratio Lower Upper
78 100
77 9.2 18.8 28.2#

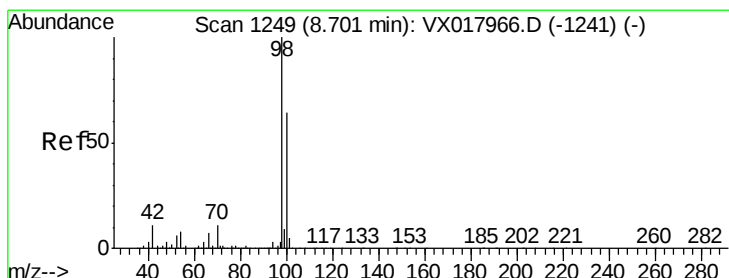
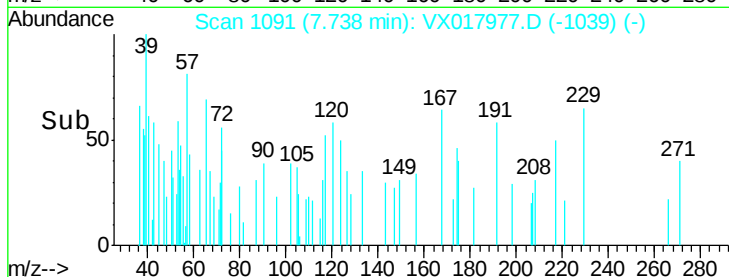
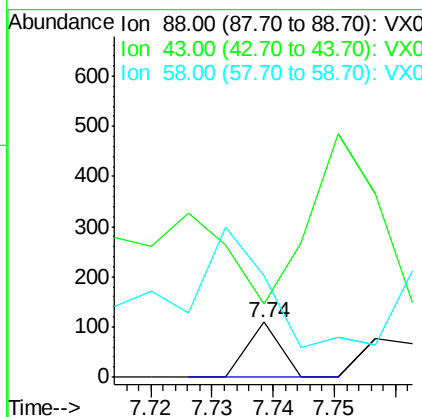
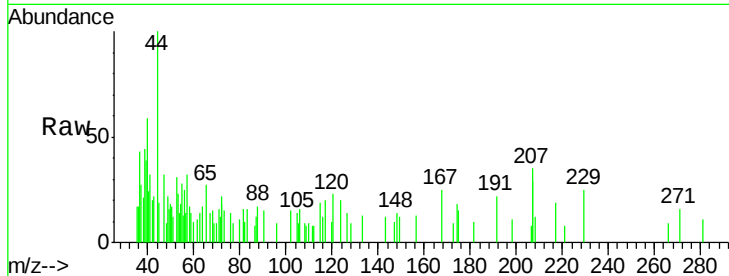




#49
1,4-Dioxane
Concen: 0.319 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

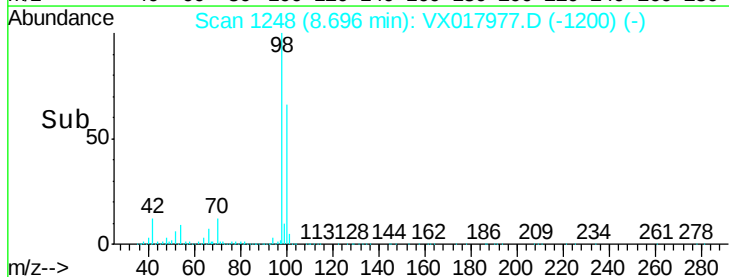
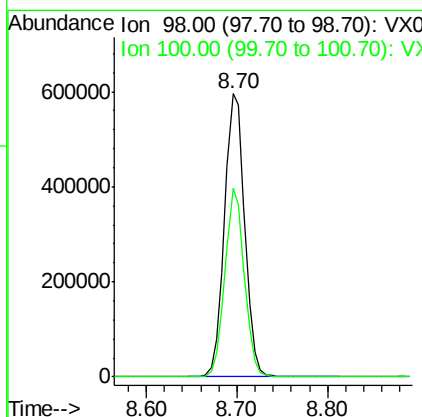
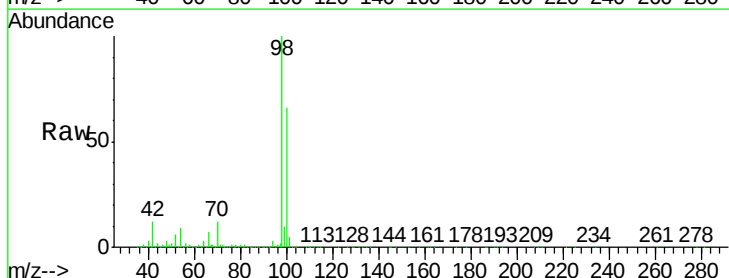
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-778-780

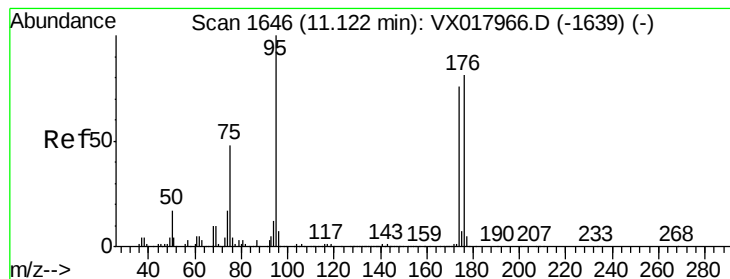
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 880.0 27.3 40.9#
58 347.5 57.7 86.5#



#50
Toluene-d8
Concen: 46.010 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VX017977.D
Acq: 19 Aug 2020 12:17

Tgt Ion: 98 Resp: 924782
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 42.878 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017977.D

Acq: 19 Aug 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-778-780

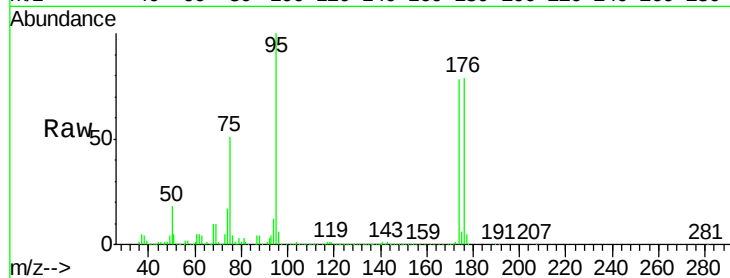
Tgt Ion: 95 Resp: 318315

Ion Ratio Lower Upper

95 100

174 81.1 0.0 166.0

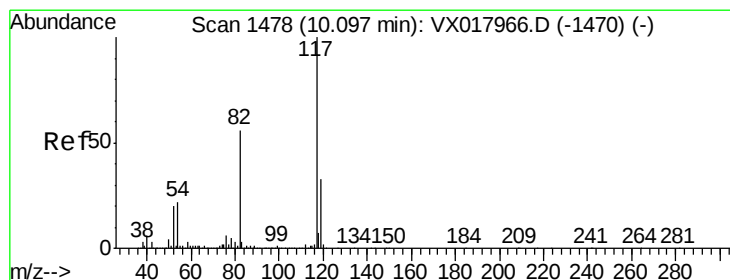
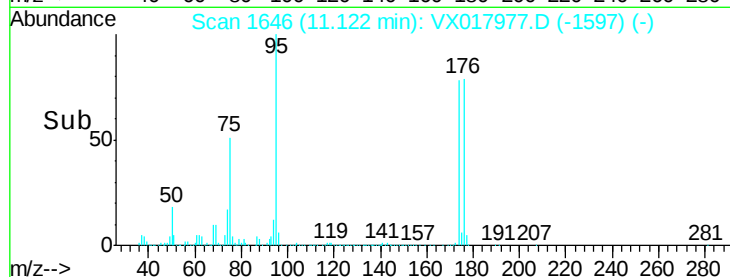
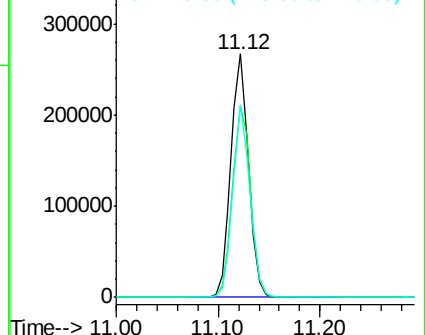
176 76.5 0.0 161.0



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: VX017977.D

Acq: 19 Aug 2020 12:17

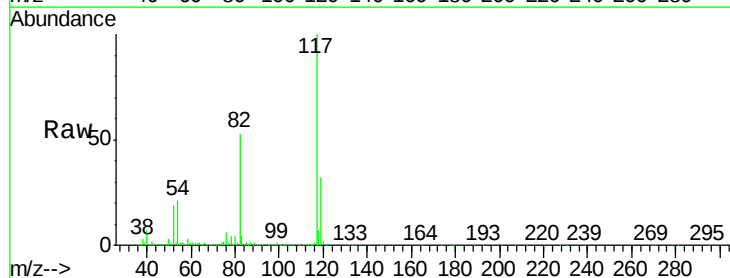
Tgt Ion: 117 Resp: 701756

Ion Ratio Lower Upper

117 100

82 53.5 44.6 66.8

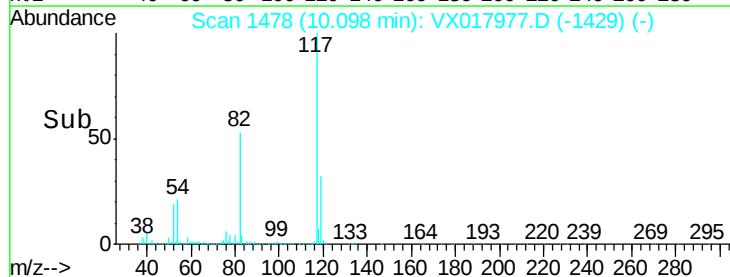
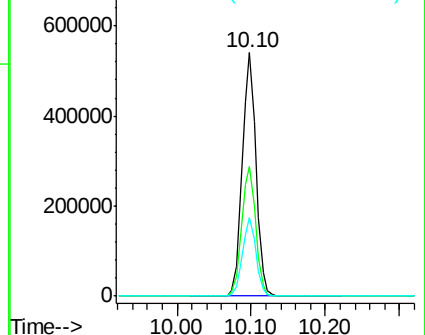
119 32.0 26.2 39.4

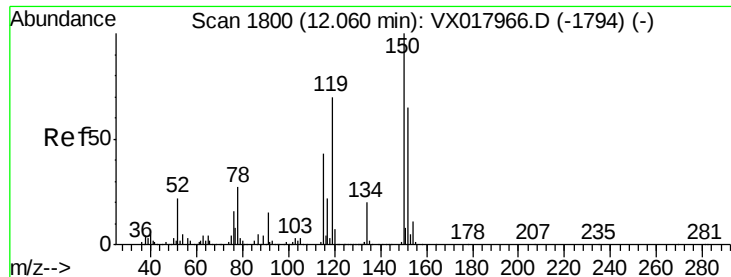


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX017977.D

Acq: 19 Aug 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-778-780

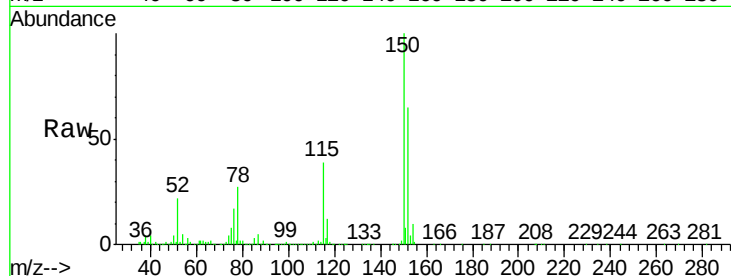
Tgt Ion: 152 Resp: 313862

Ion Ratio Lower Upper

152 100

115 58.9 40.6 121.7

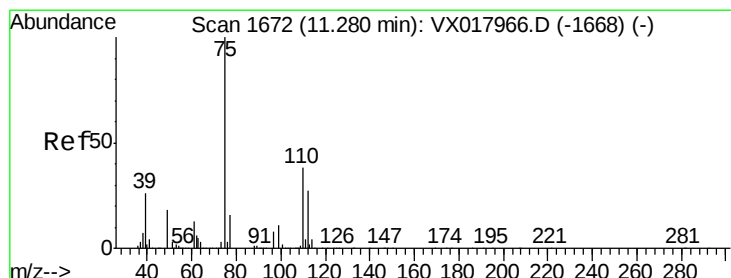
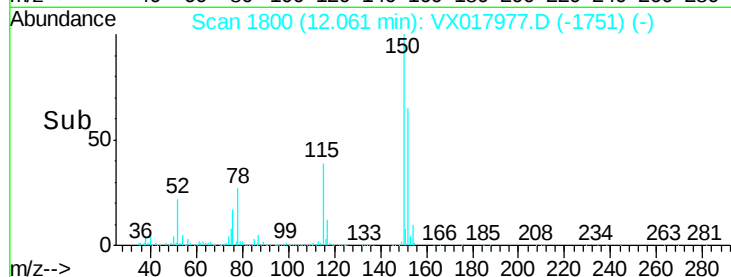
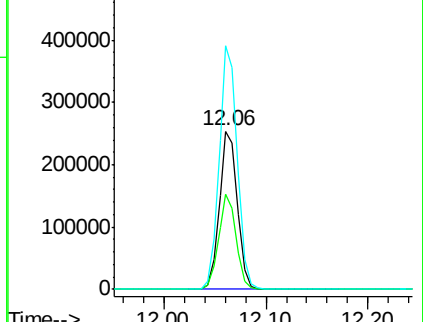
150 154.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.242 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017977.D

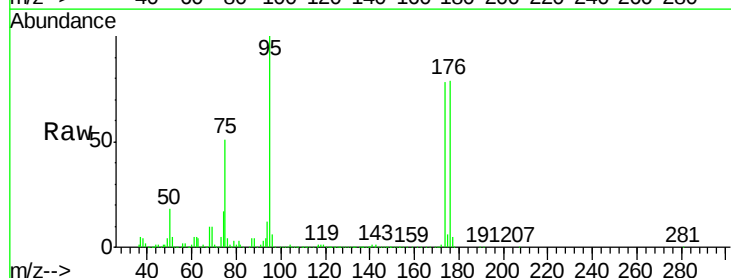
Acq: 19 Aug 2020 12:17

Tgt Ion: 75 Resp: 161808

Ion Ratio Lower Upper

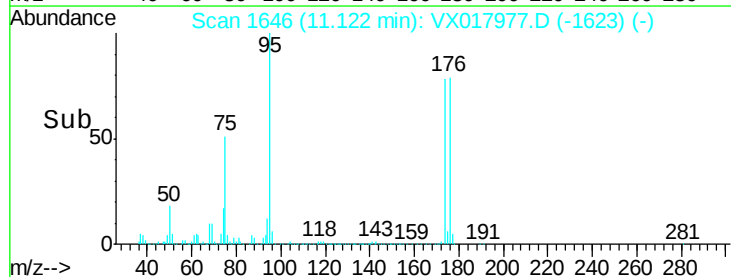
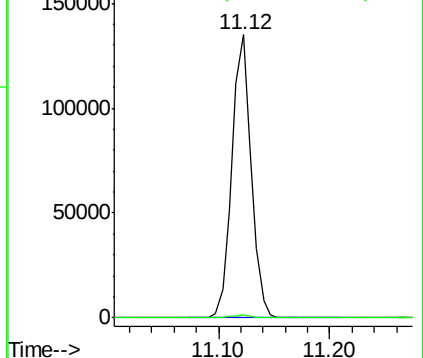
75 100

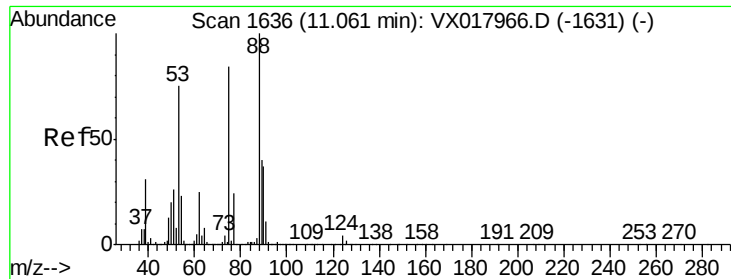
77 1.7 21.1 63.1#



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: 63.686 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017977.D

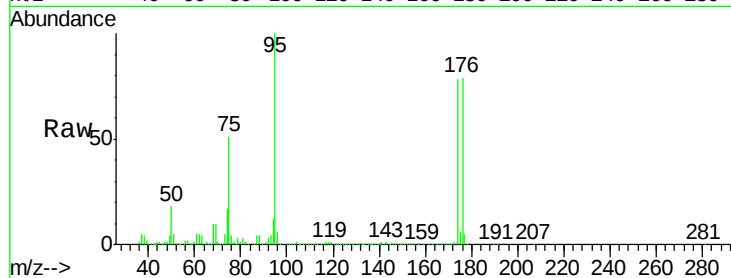
Acq: 19 Aug 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-778-780



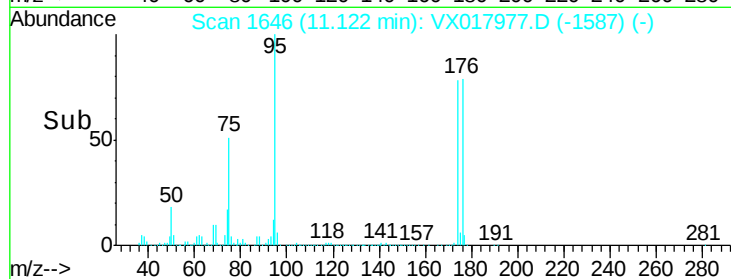
Tgt Ion: 75 Resp: 161808

Ion Ratio Lower Upper

75 100

53 0.5 75.2 112.8#

89 0.0 38.4 57.6#



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

