

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX081920\
 Data File : VX017975.D
 Acq On : 19 Aug 2020 11:32
 Operator : JC/SP
 Sample : L3717-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-EB-20200813

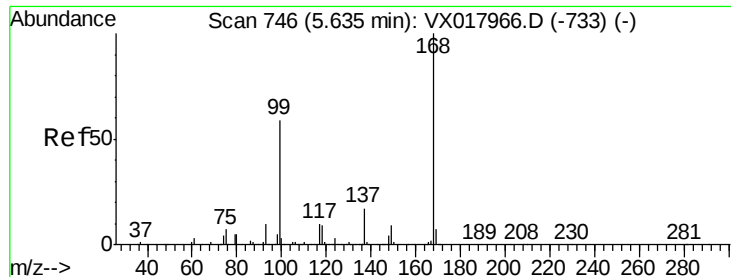
Quant Time: Aug 19 13:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	493716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	763274	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	696392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	311959	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	332352	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	
35) Dibromofluoromethane	5.47	113	263313	46.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.66%	
50) Toluene-d8	8.70	98	915511	45.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.14%	
62) 4-Bromofluorobenzene	11.12	95	317745	42.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	399	1.042	ug/l #	48
3) Chloromethane	1.32	50	1629	0.241	ug/l	99
4) Vinyl Chloride	1.39	62	313	2.302	ug/l #	1
8) Diethyl Ether	2.18	74	894	0.297	ug/l	51
11) Tert butyl alcohol	3.02	59	2663	1.906	ug/l	95
13) Acrolein	2.28	56	316	0.428	ug/l #	1
16) Acetone	2.42	43	21455	7.535	ug/l	98
20) Methylene Chloride	2.84	84	4950	0.944	ug/l	94
29) Tetrahydrofuran	5.09	42	1528	0.571	ug/l #	75
31) Cyclohexane	5.63	56	9517	1.272	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	37617	5.888	ug/l #	46
38) Carbon Tetrachloride	5.63	117	50776	6.141	ug/l #	17
39) Methylcyclohexane	7.43	83	861	0.917	ug/l #	35
49) 1,4-Dioxane	7.71	88	117	0.934	ug/l #	1
52) Toluene	8.76	92	59177	4.701	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	162521	24.497	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	162521	64.357	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.96	75	394	0.221	ug/l #	22

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

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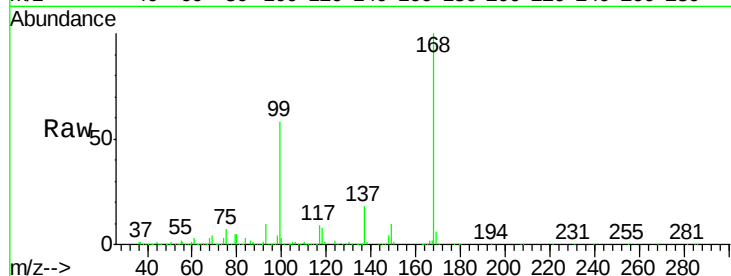
BP-VPB179-EB-20200813

Tgt Ion:168 Resp: 493716

Ion Ratio Lower Upper

168 100

99 57.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

100000

50000

0

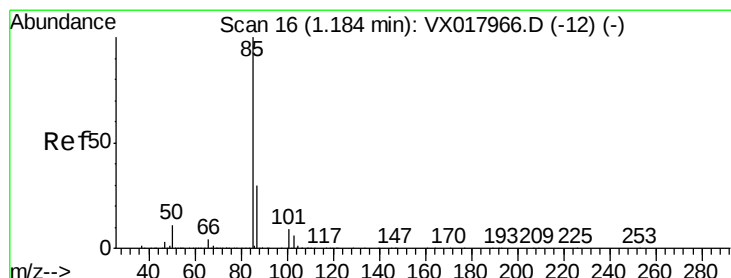
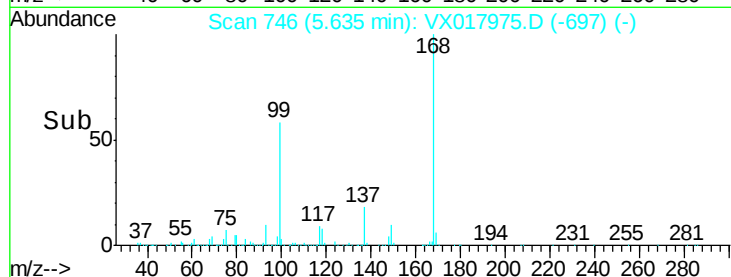
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 1.042 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017975.D

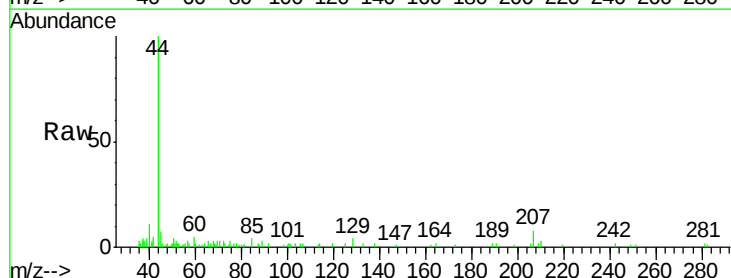
Acq: 19 Aug 2020 11:32

Tgt Ion: 85 Resp: 399

Ion Ratio Lower Upper

85 100

87 58.8 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

300

250

200

150

100

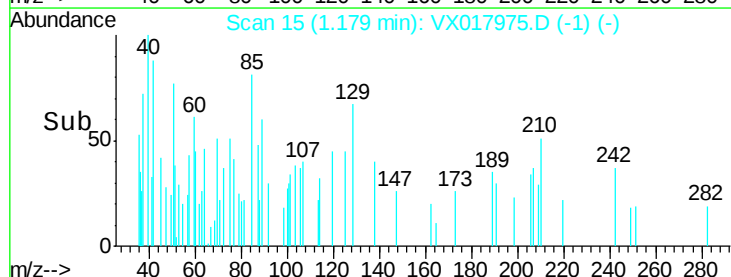
50

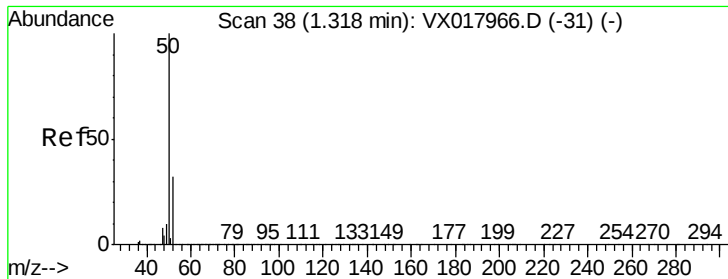
0

Time-->

1.15

1.20





#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

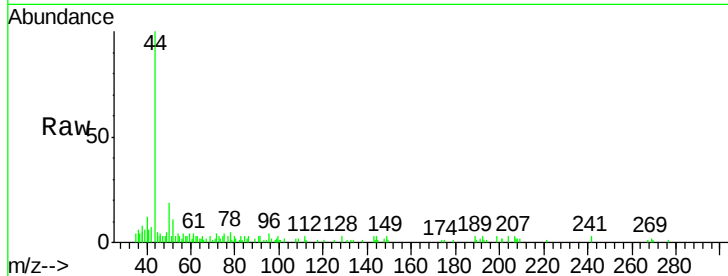
BP-VPB179-EB-20200813

Tgt Ion: 50 Resp: 1629

Ion Ratio Lower Upper

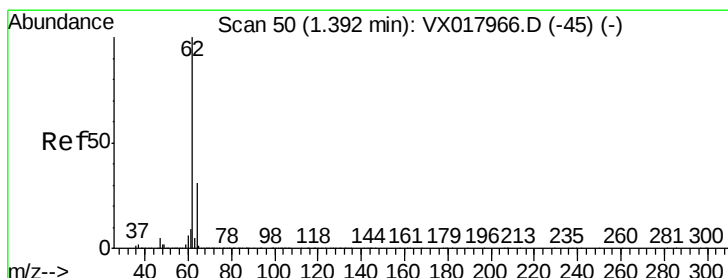
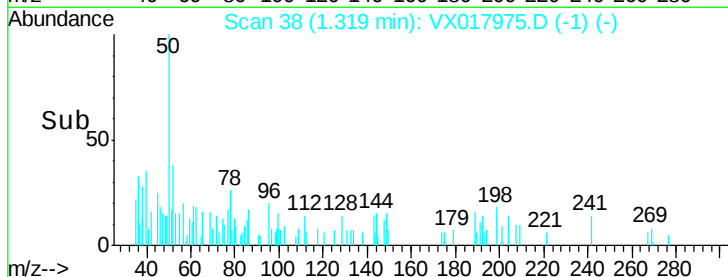
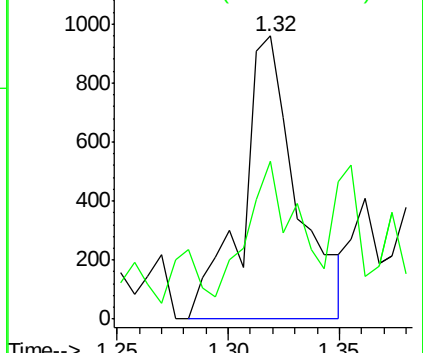
50 100

52 31.2 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.302 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017975.D

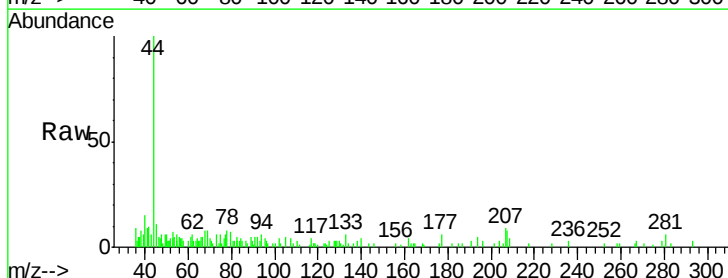
Acq: 19 Aug 2020 11:32

Tgt Ion: 62 Resp: 313

Ion Ratio Lower Upper

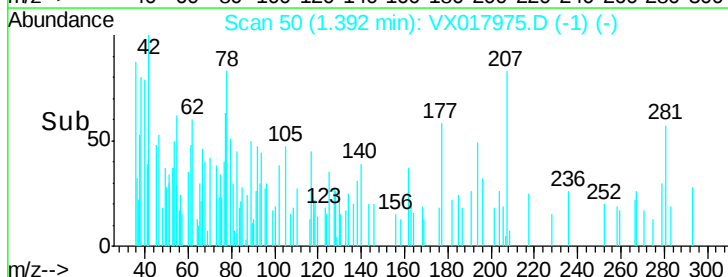
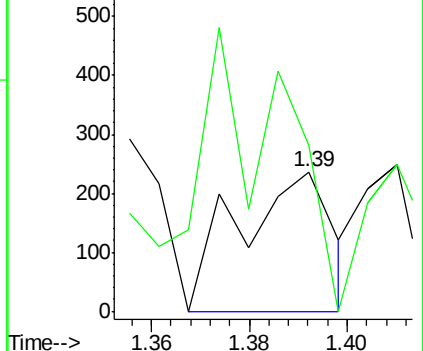
62 100

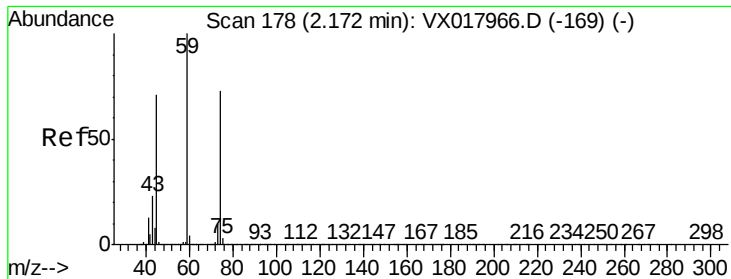
64 501.8 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

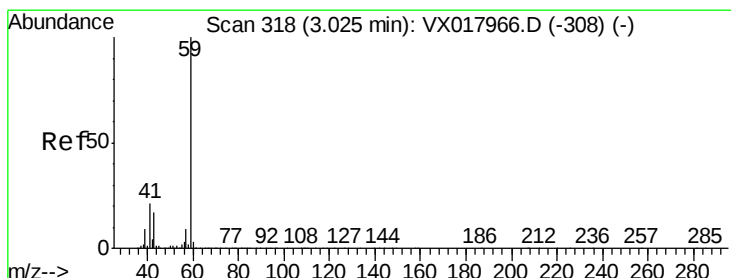
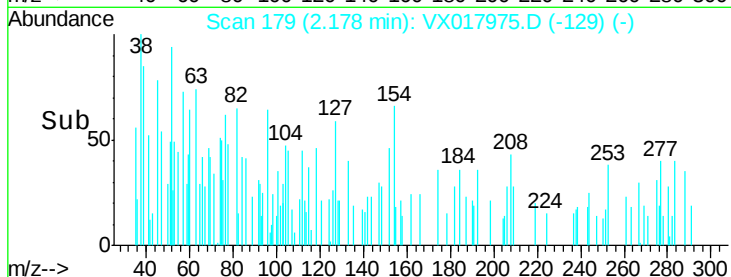
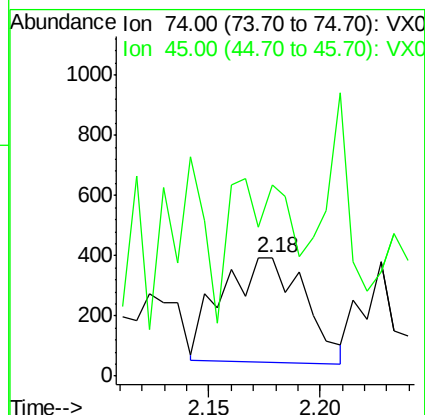
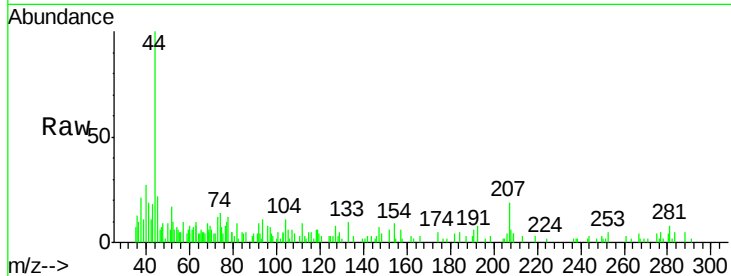




#8
Diethyl Ether
Concen: 0.297 ug/l
RT: 2.18 min Scan# 179
Delta R.T. 0.01 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

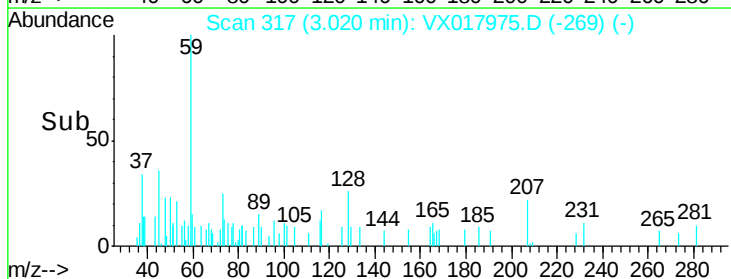
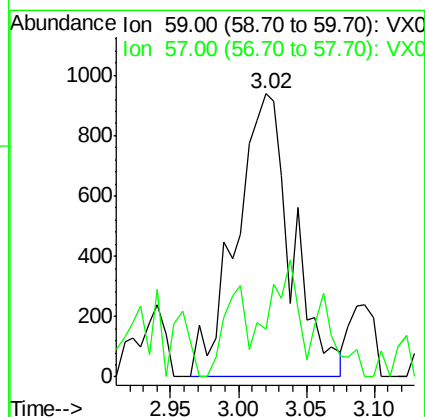
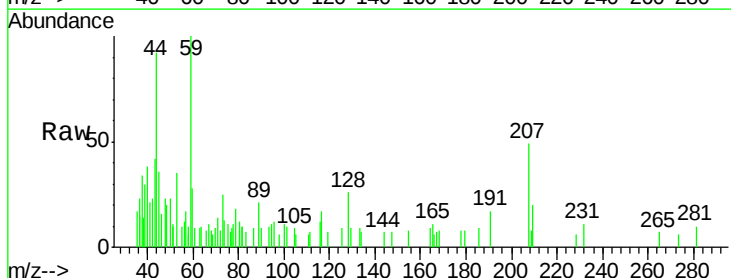
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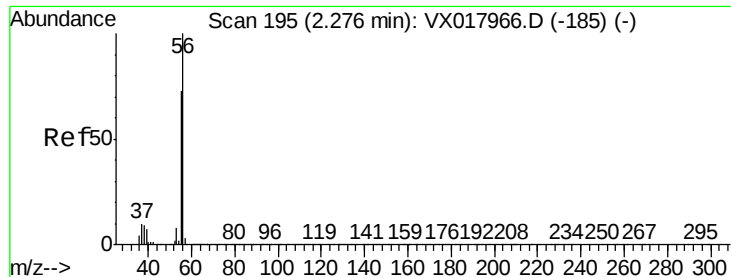
Tgt Ion: 74 Resp: 894
Ion Ratio Lower Upper
74 100
45 51.5 50.5 151.6



#11
Tert butyl alcohol
Concen: 1.906 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.01 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

Tgt Ion: 59 Resp: 2663
Ion Ratio Lower Upper
59 100
57 12.7 8.6 13.0

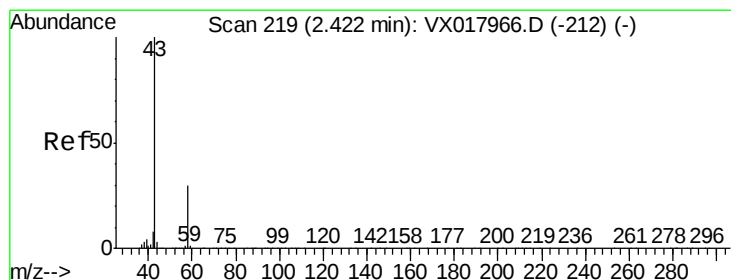
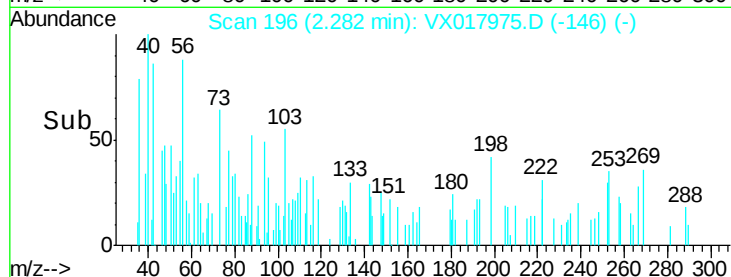
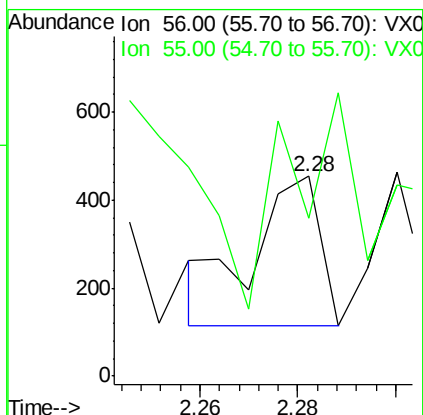
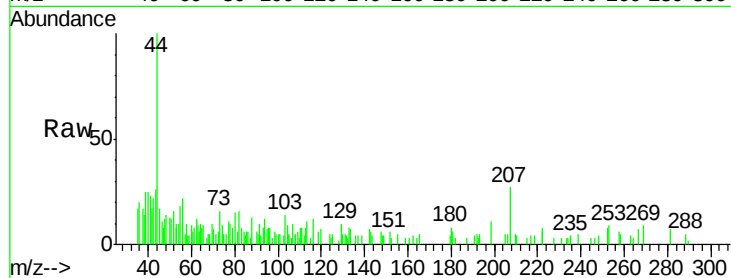




#13
Acrolein
Concen: 0.428 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

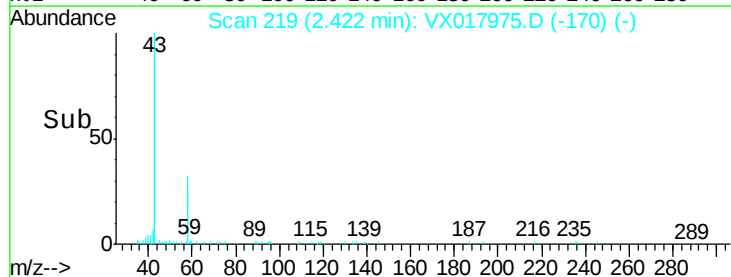
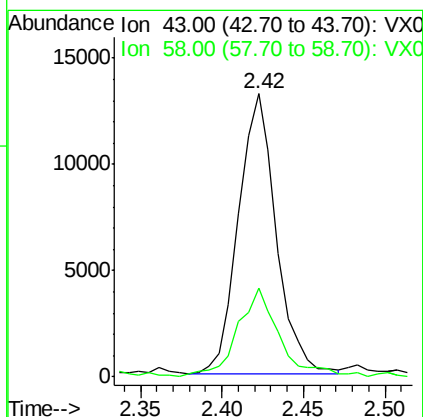
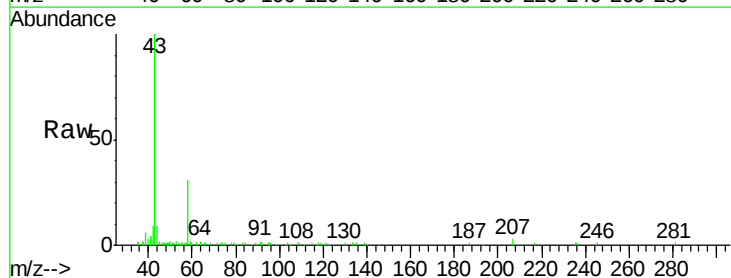
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-EB-20200813

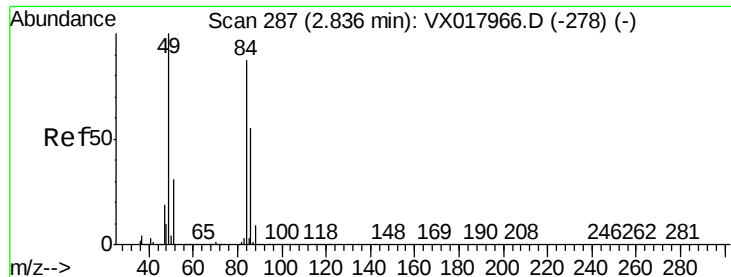
Tgt Ion: 56 Resp: 316
Ion Ratio Lower Upper
56 100
55 206.6 58.2 87.4#



#16
Acetone
Concen: 7.535 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

Tgt Ion: 43 Resp: 21455
Ion Ratio Lower Upper
43 100
58 30.7 23.8 35.8

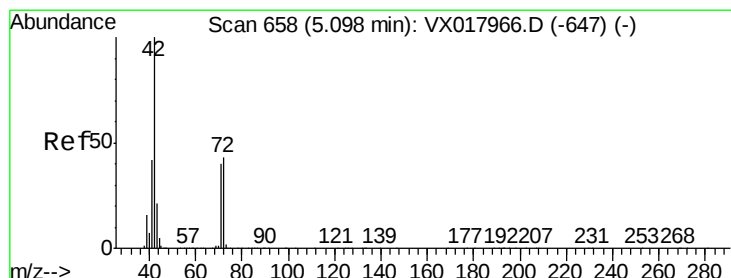
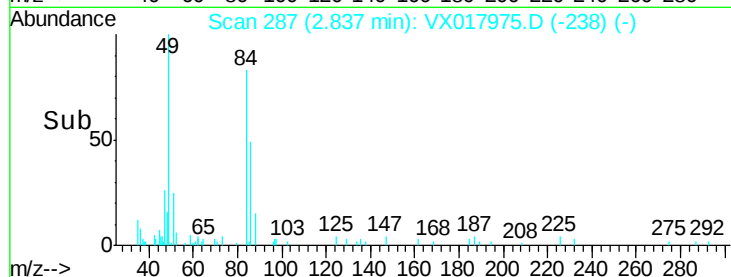
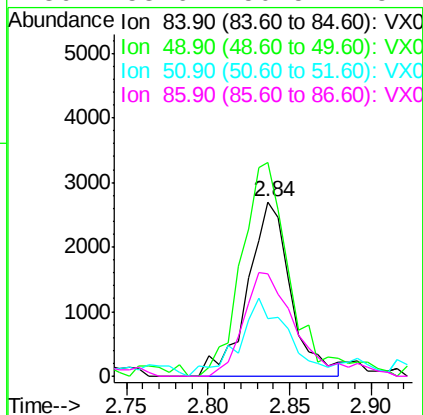
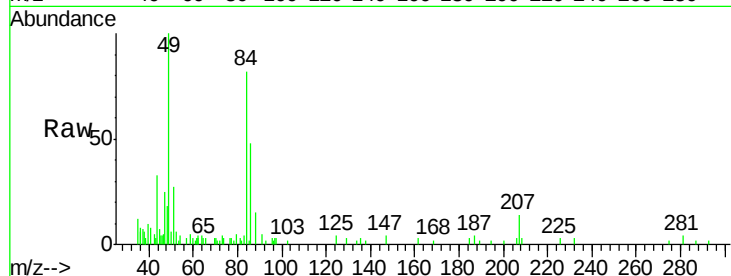




#20
Methylene Chloride
Concen: 0.944 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

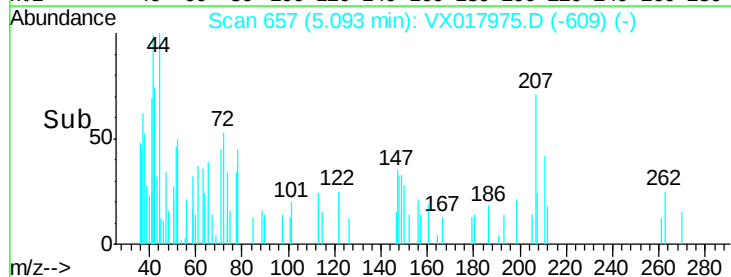
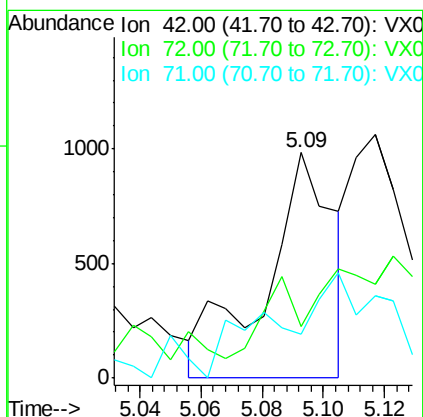
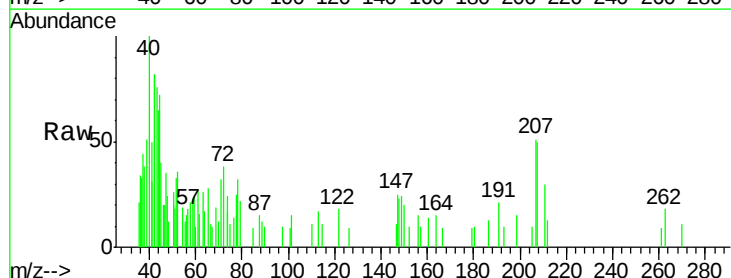
Instrument :
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ClientSampleId :
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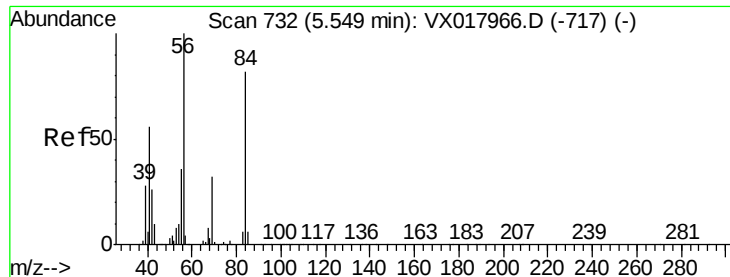
Tgt Ion:	84	Resp:	4950
Ion	Ratio	Lower	Upper
84	100		
49	122.5	91.8	137.6
51	33.4	27.8	41.8
86	58.6	50.5	75.7



#29
Tetrahydrofuran
Concen: 0.571 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

Tgt Ion:	42	Resp:	1528
Ion	Ratio	Lower	Upper
42	100		
72	26.2	35.9	53.9#
71	27.7	33.0	49.4#

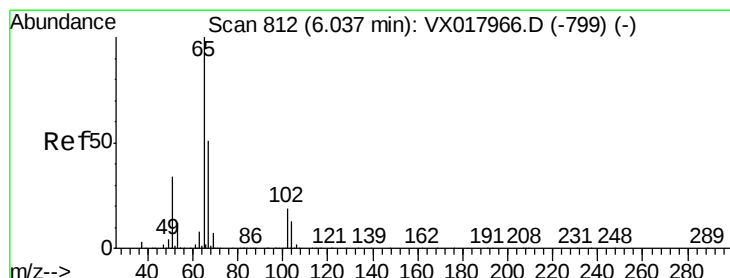
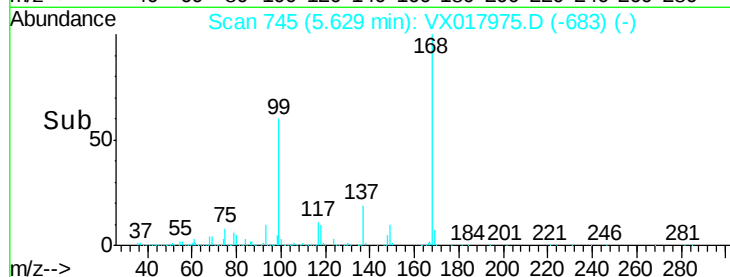
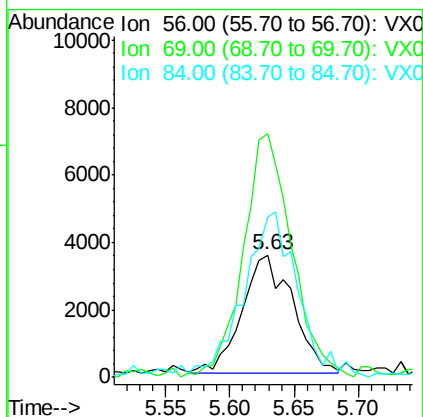
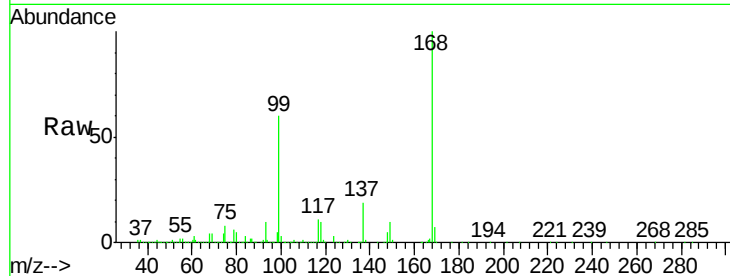




#31
Cyclohexane
Concen: 1.272 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

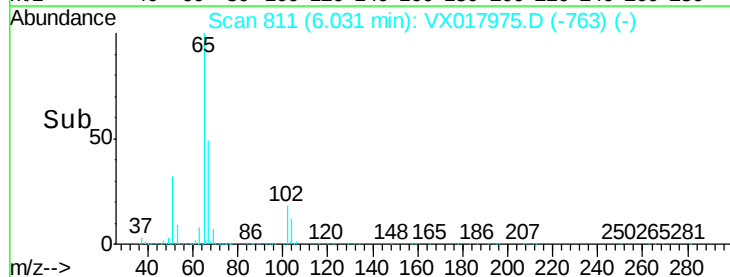
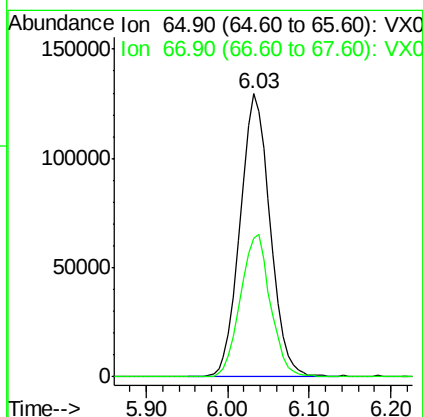
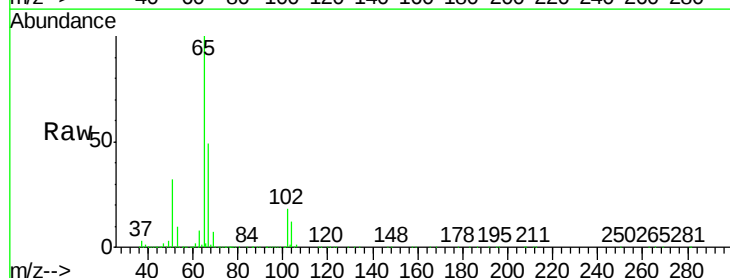
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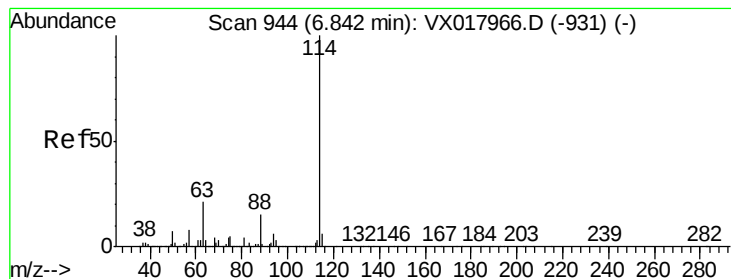
Tgt Ion: 56 Resp: 9517
Ion Ratio Lower Upper
56 100
69 205.0 25.3 37.9#
84 133.7 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 45.921 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

Tgt Ion: 65 Resp: 332352
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200813

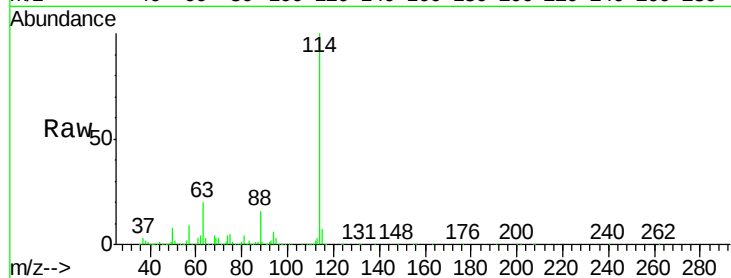
Tgt Ion:114 Resp: 763274

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

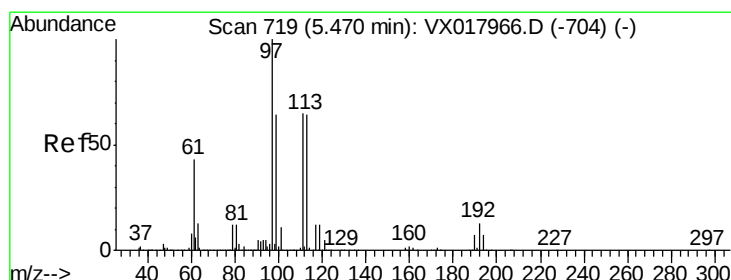
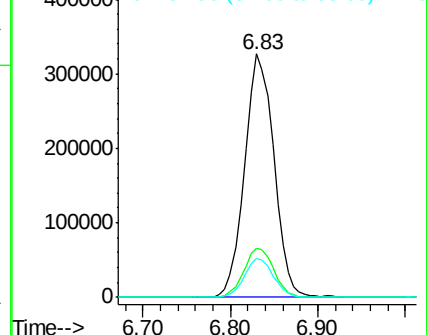
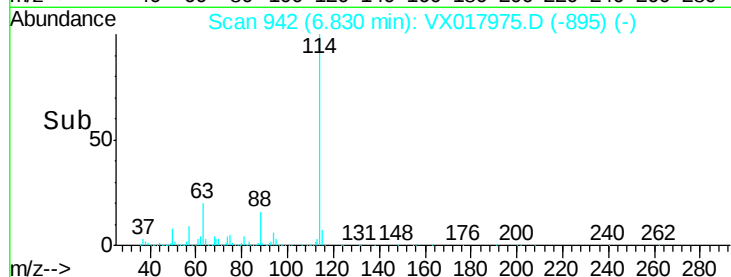
88 15.7 0.0 30.2



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: 46.325 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

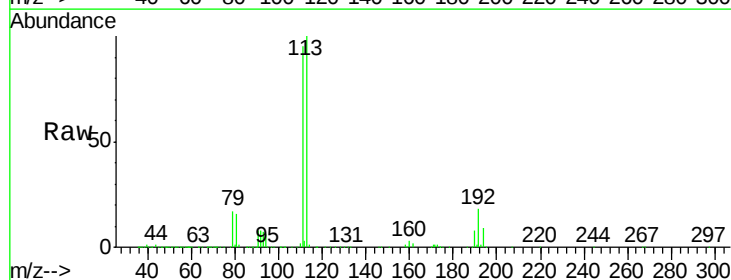
Tgt Ion:113 Resp: 263313

Ion Ratio Lower Upper

113 100

111 101.8 83.5 125.3

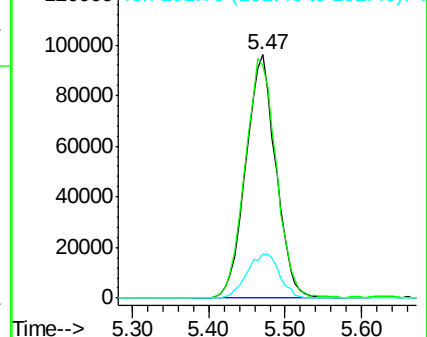
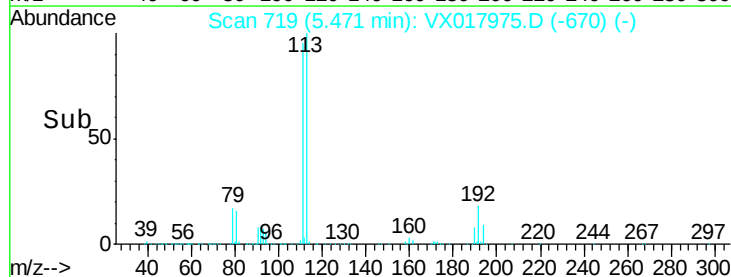
192 19.7 16.2 24.4

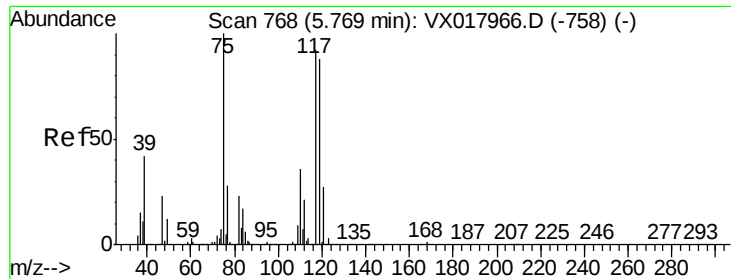


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.888 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

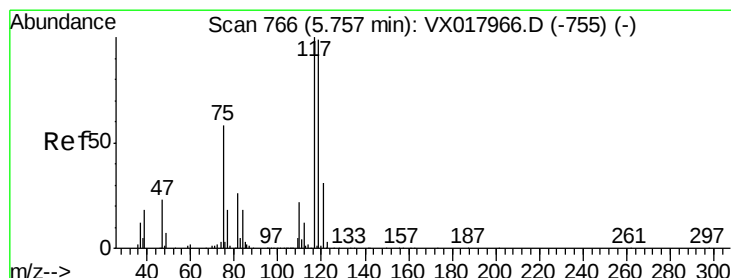
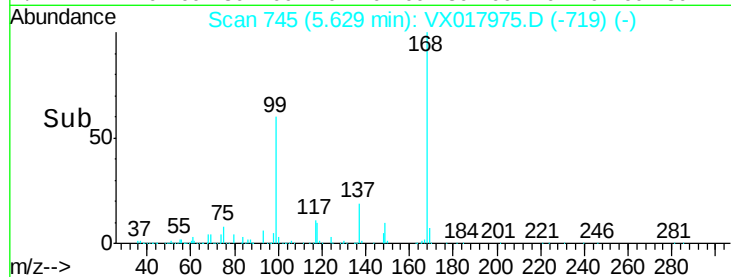
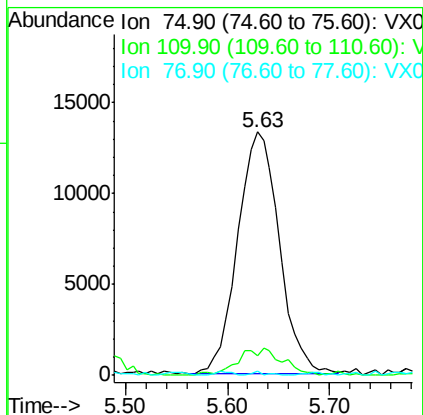
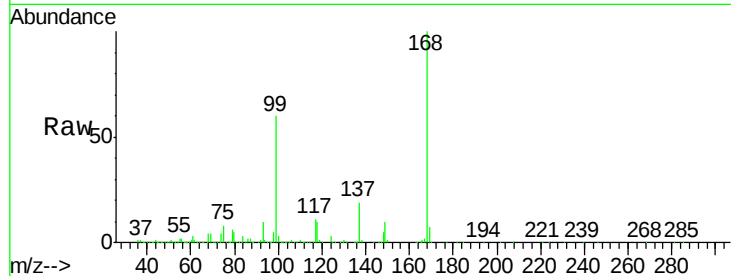
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200813

Tgt Ion:	75	Resp:	37617
Ion	Ratio	Lower	Upper
75	100		
110	6.0	18.7	56.1#
77	0.5	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.141 ug/l

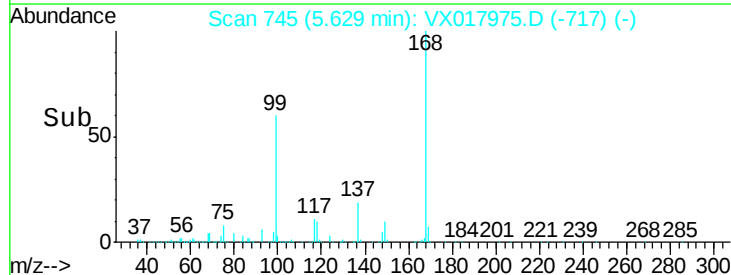
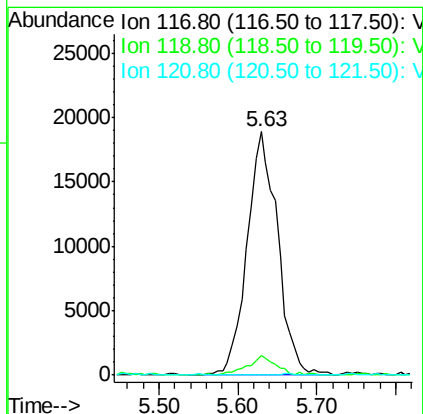
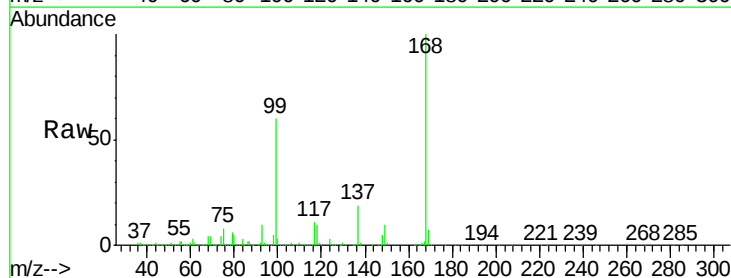
RT: 5.63 min Scan# 745

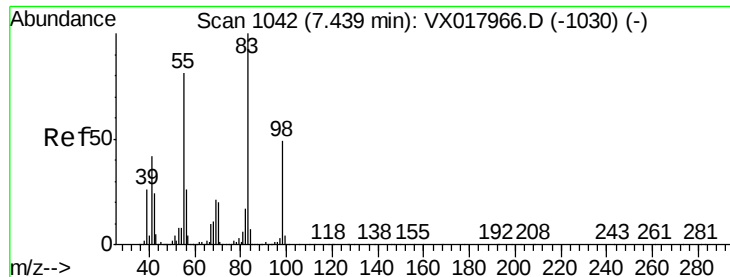
Delta R.T. -0.13 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

Tgt Ion:	117	Resp:	50776
Ion	Ratio	Lower	Upper
117	100		
119	7.9	79.0	118.6#
121	0.0	24.7	37.1#

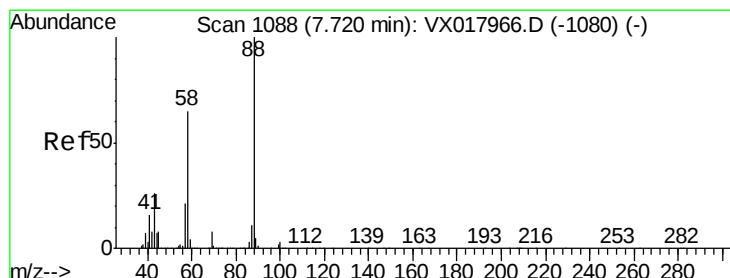
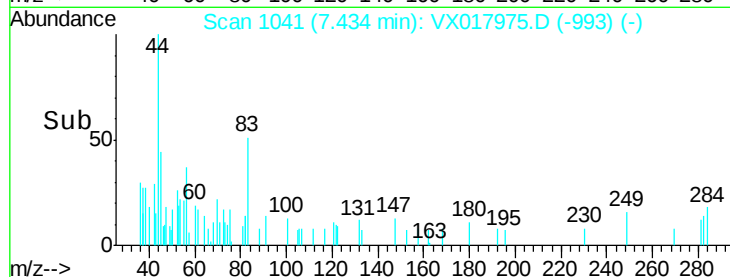
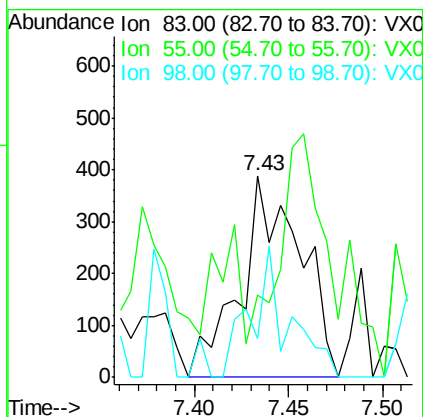
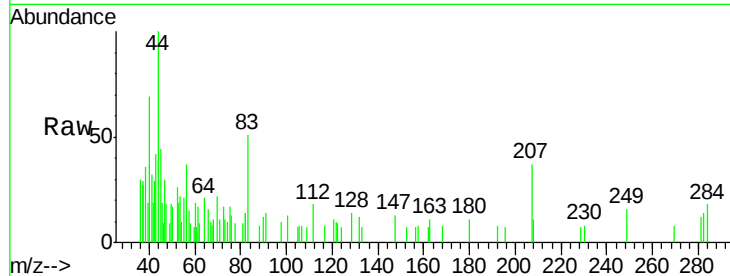




#39
Methylcyclohexane
Concen: 0.917 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

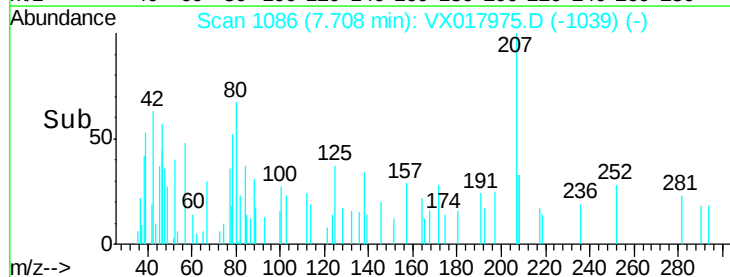
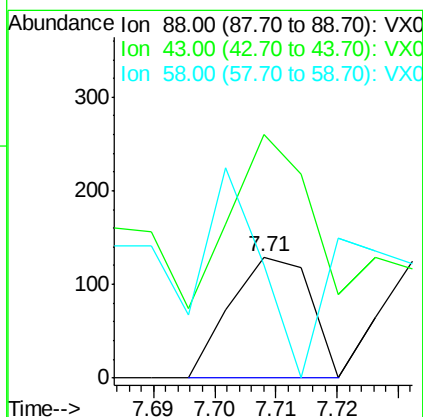
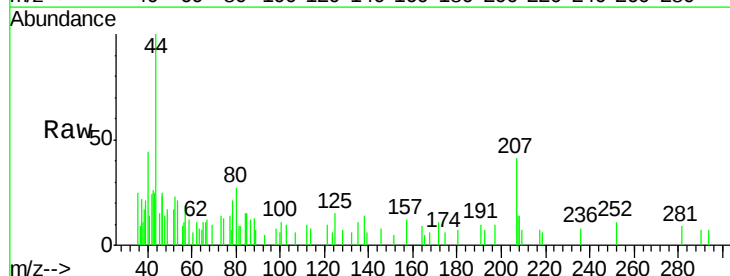
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-EB-20200813

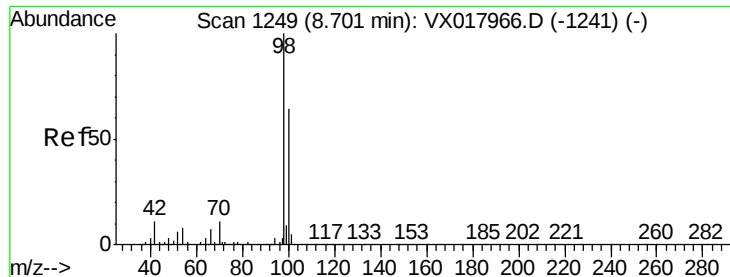
Tgt Ion	Ratio	Lower	Upper
83	100		
55	11.8	64.5	96.7#
98	19.0	39.0	58.6#



#49
1,4-Dioxane
Concen: 0.934 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX017975.D
Acq: 19 Aug 2020 11:32

Tgt Ion	Ratio	Lower	Upper
88	100		
43	182.9	27.3	40.9#
58	0.0	57.7	86.5#





#50

Toluene-d8

Concen: 45.567 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

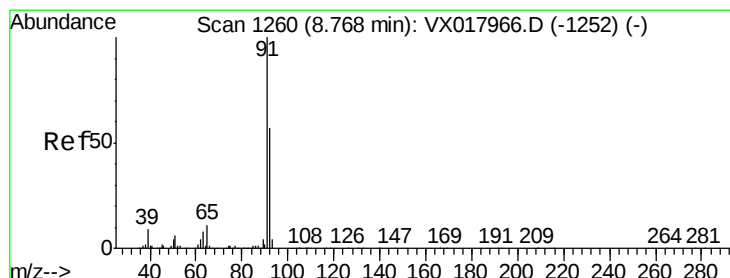
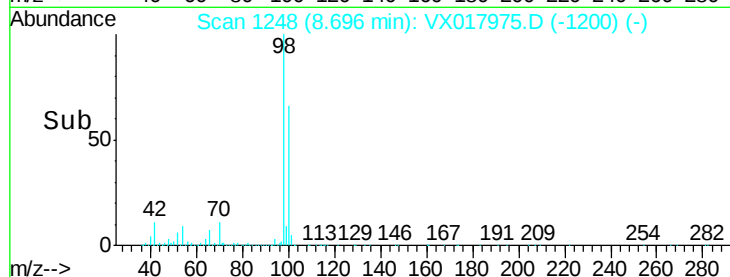
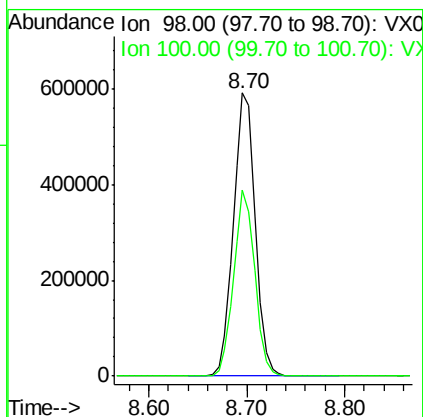
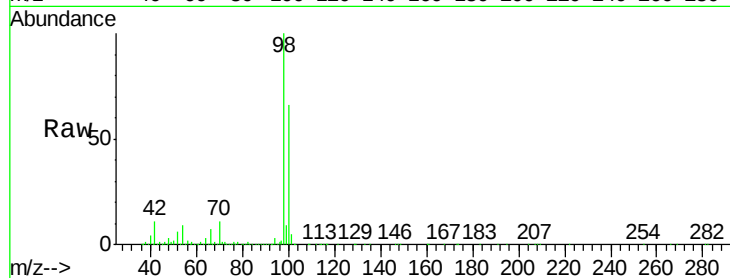
BP-VPB179-EB-20200813

Tgt Ion: 98 Resp: 915511

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



#52

Toluene

Concen: 4.701 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX017975.D

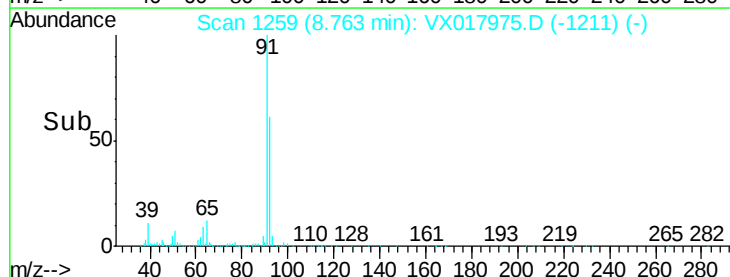
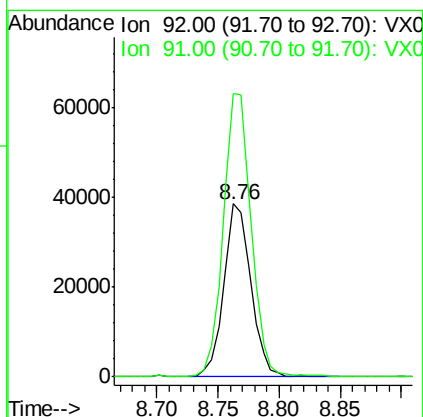
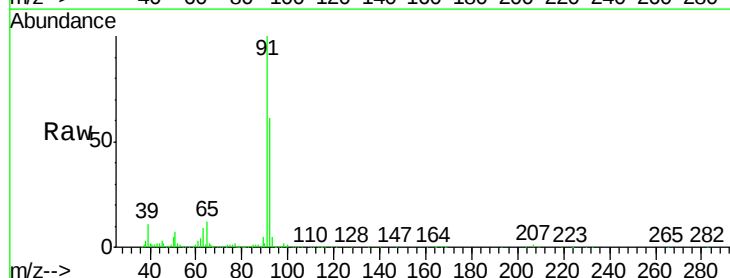
Acq: 19 Aug 2020 11:32

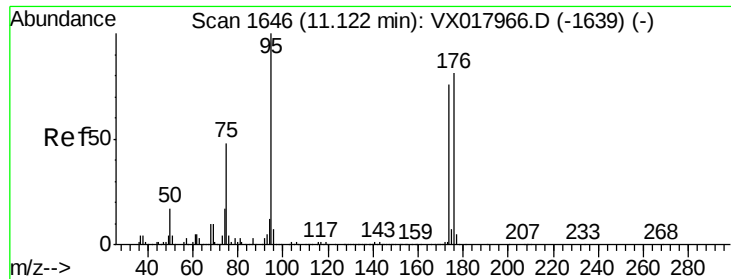
Tgt Ion: 92 Resp: 59177

Ion Ratio Lower Upper

92 100

91 167.6 138.4 207.6





#62

4-Bromofluorobenzene

Concen: 42.819 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200813

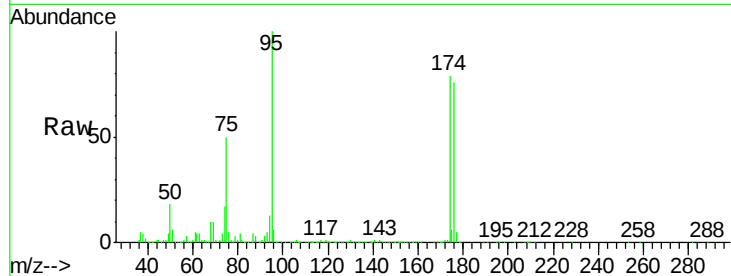
Tgt Ion: 95 Resp: 317745

Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.0

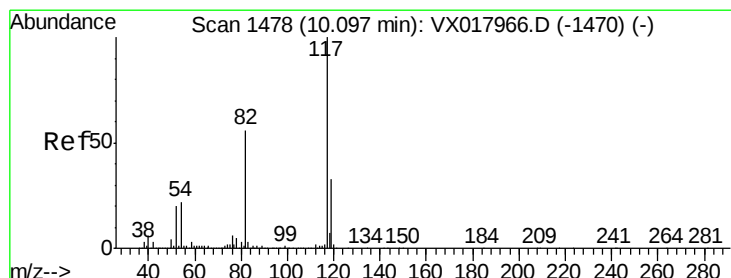
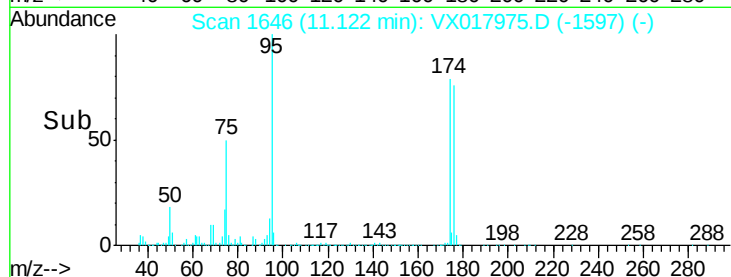
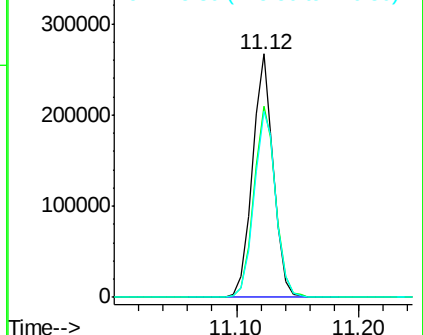
176 79.8 0.0 161.0



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: VX017975.D

Acq: 19 Aug 2020 11:32

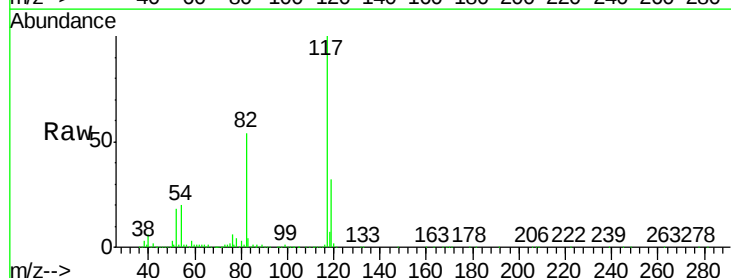
Tgt Ion: 117 Resp: 696392

Ion Ratio Lower Upper

117 100

82 53.9 44.6 66.8

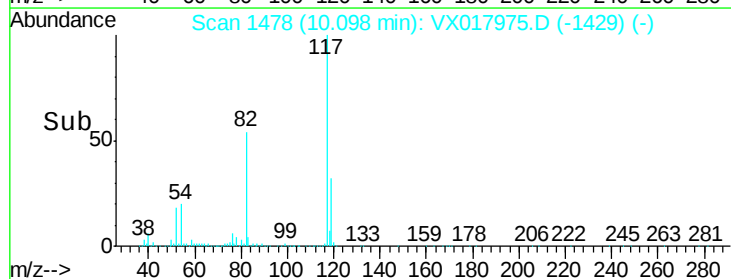
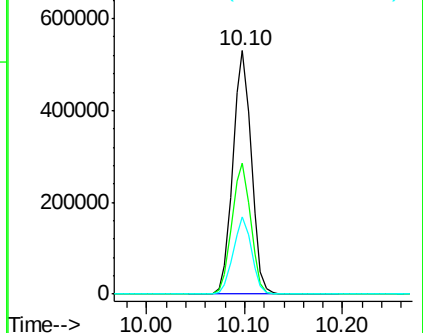
119 31.7 26.2 39.4

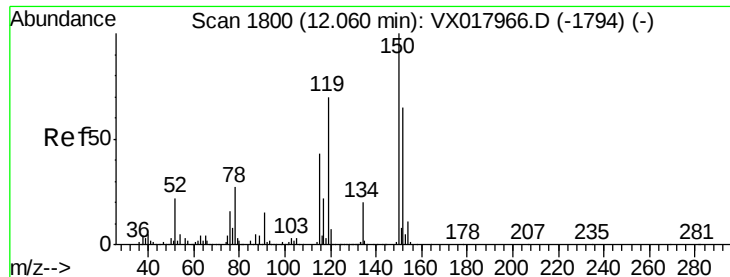


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX017975.D

Acq: 19 Aug 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200813

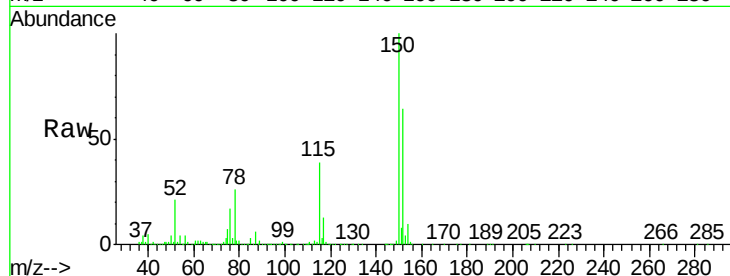
Tgt Ion: 152 Resp: 311959

Ion Ratio Lower Upper

152 100

115 59.2 40.6 121.7

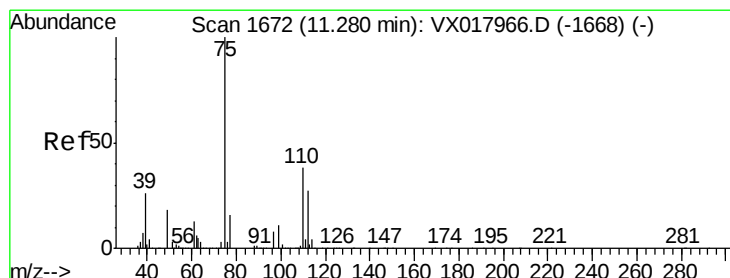
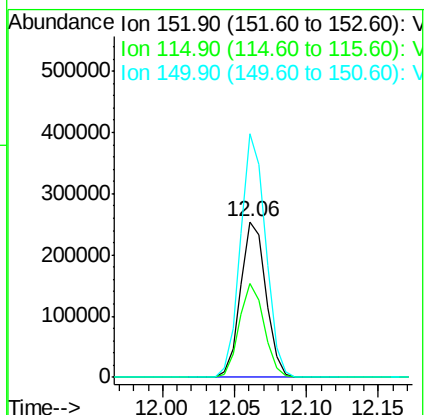
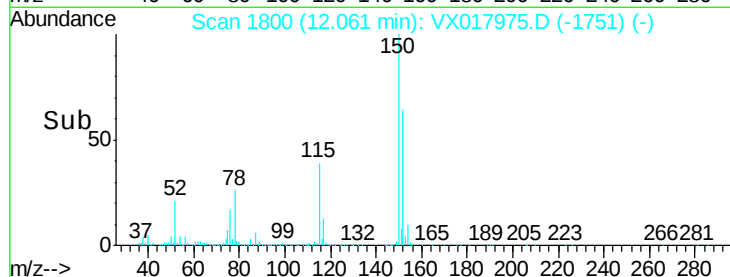
150 154.9 0.0 346.4



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: 24.497 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017975.D

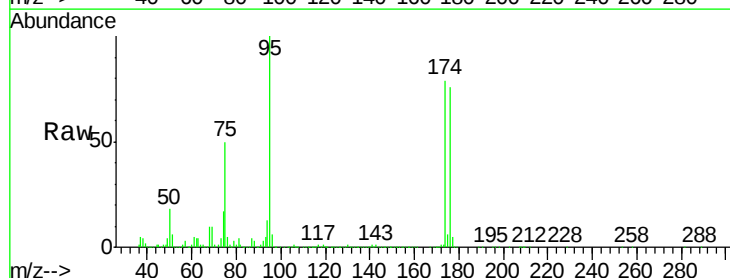
Acq: 19 Aug 2020 11:32

Tgt Ion: 75 Resp: 162521

Ion Ratio Lower Upper

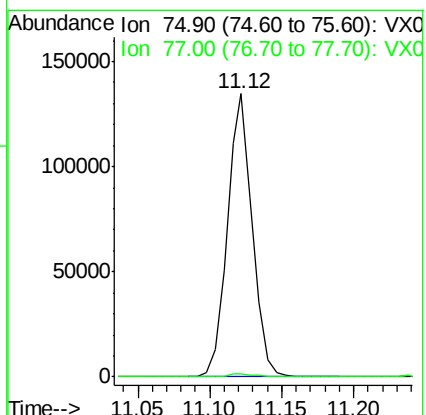
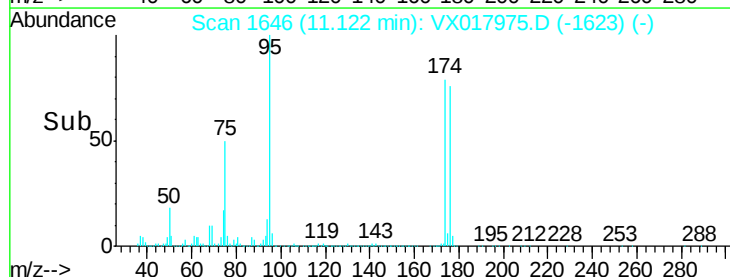
75 100

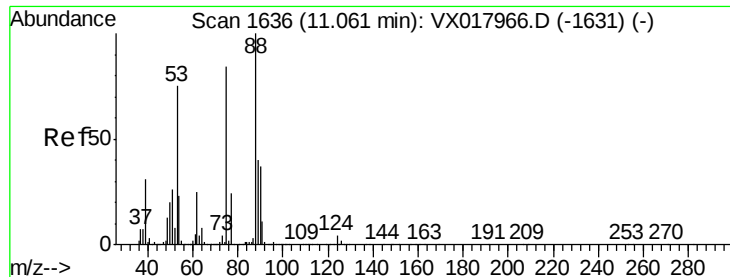
77 1.7 21.1 63.1#



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: 64.357 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

Instrument :

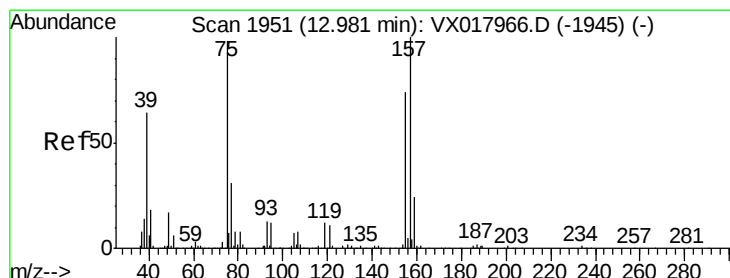
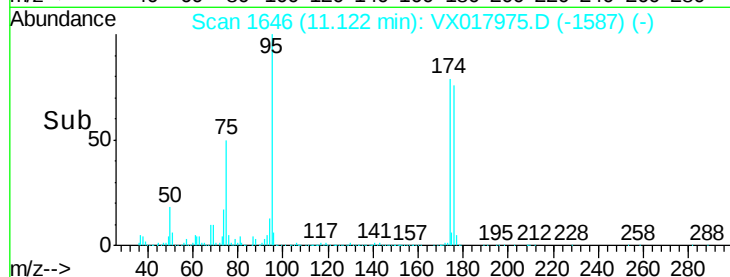
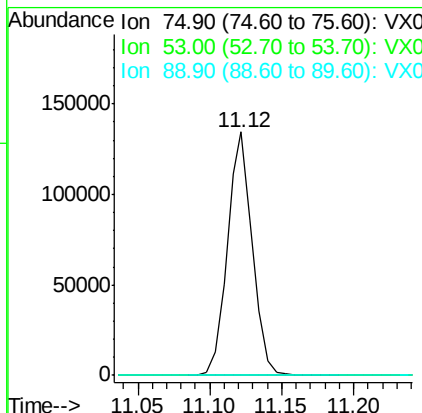
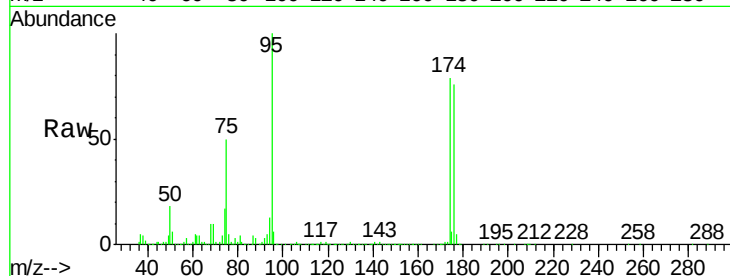
MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200813

Tgt Ion: 75 Resp: 162521

Ion	Ratio	Lower	Upper
75	100		
53	0.5	75.2	112.8#
89	0.1	38.4	57.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.221 ug/l

RT: 12.96 min Scan# 1948

Delta R.T. -0.02 min

Lab File: VX017975.D

Acq: 19 Aug 2020 11:32

Tgt Ion: 75 Resp: 394

Ion	Ratio	Lower	Upper
75	100		
155	21.8	40.5	121.5#
157	18.3	54.4	163.2#

