

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX081920\
 Data File : VX017979.D
 Acq On : 19 Aug 2020 13:01
 Operator : JC/SP
 Sample : L3717-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-818-820

Quant Time: Aug 19 13:51:29 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	478041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	742287	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	687908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	321068	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	318541	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
35) Dibromofluoromethane	5.46	113	257138	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
50) Toluene-d8	8.70	98	881787	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
62) 4-Bromofluorobenzene	11.12	95	318541	44.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.28%	

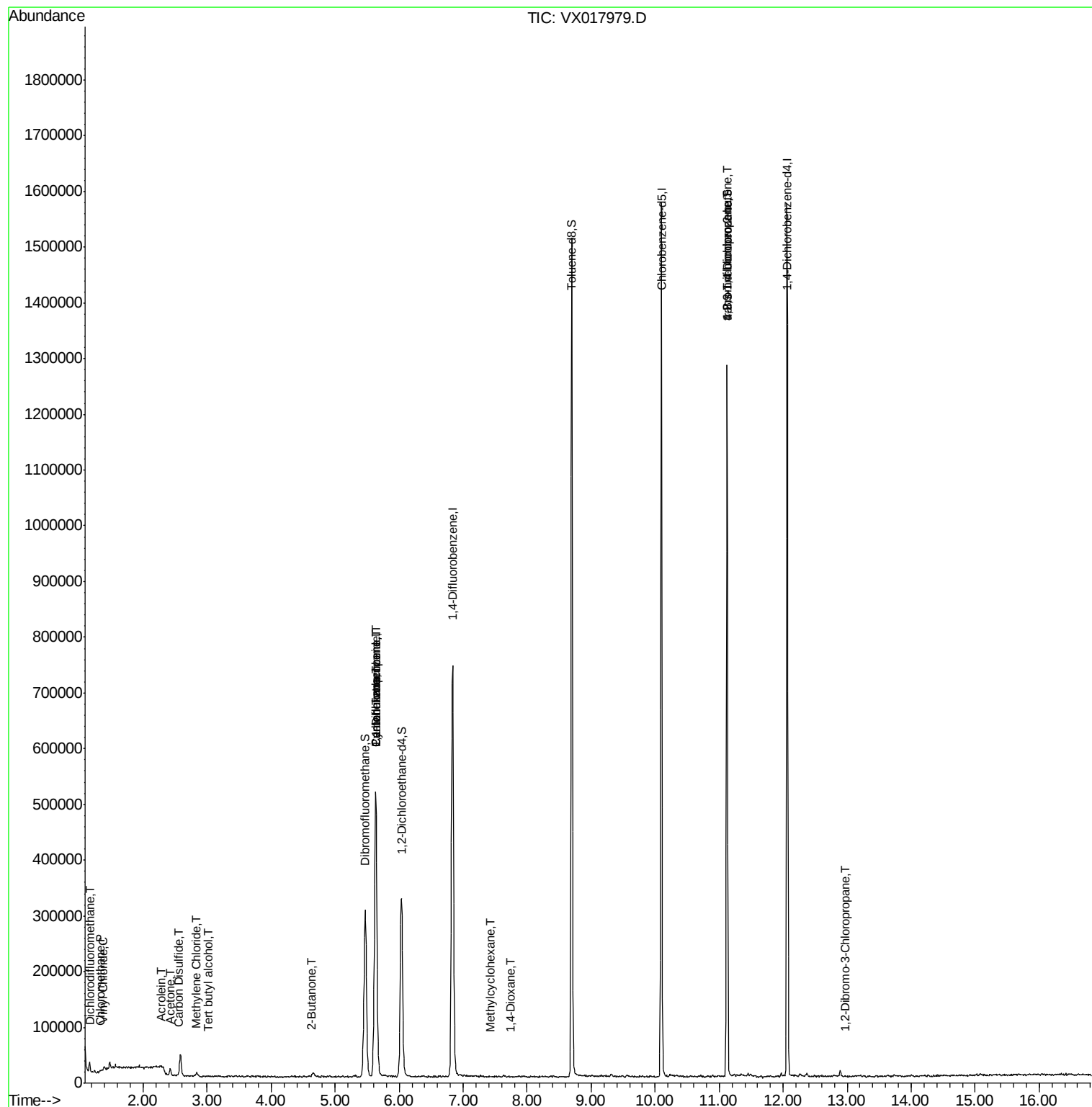
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	295	1.029	ug/l #	27
3) Chloromethane	1.32	50	2182	0.334	ug/l #	79
4) Vinyl Chloride	1.37	62	332	2.306	ug/l #	61
11) Tert butyl alcohol	3.02	59	636	0.470	ug/l	97
13) Acrolein	2.28	56	529	0.740	ug/l #	1
16) Acetone	2.42	43	10746	3.898	ug/l	100
17) Carbon Disulfide	2.56	76	3098	0.296	ug/l #	68
20) Methylene Chloride	2.82	84	2904	0.572	ug/l #	52
25) 2-Butanone	4.64	43	2399	0.575	ug/l #	89
31) Cyclohexane	5.63	56	10880	1.502	ug/l #	26
36) 1,1-Dichloropropene	5.63	75	35678	5.742	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48907	6.082	ug/l #	15
39) Methylcyclohexane	7.43	83	322	0.853	ug/l #	59
49) 1,4-Dioxane	7.73	88	248	2.036	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	157630	23.086	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	157630	60.649	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	368	0.200	ug/l #	2

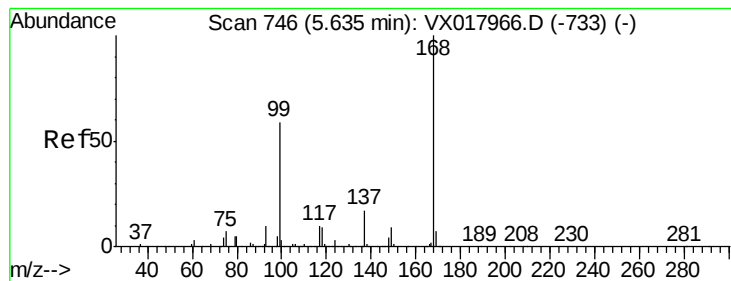
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

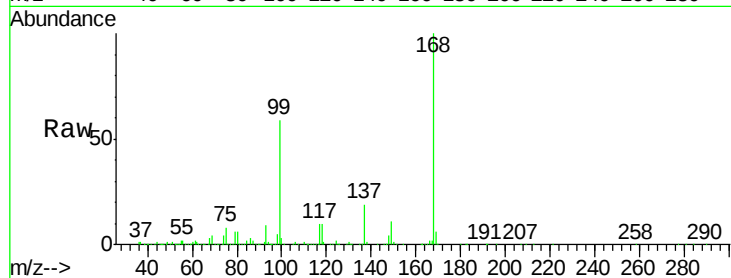
BP-VPB179-GW-818-820

Tgt Ion:168 Resp: 478041

Ion Ratio Lower Upper

168 100

99 59.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

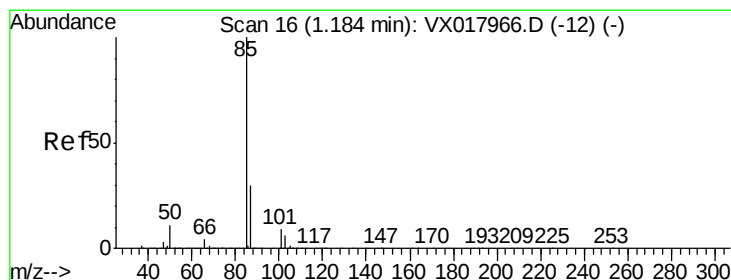
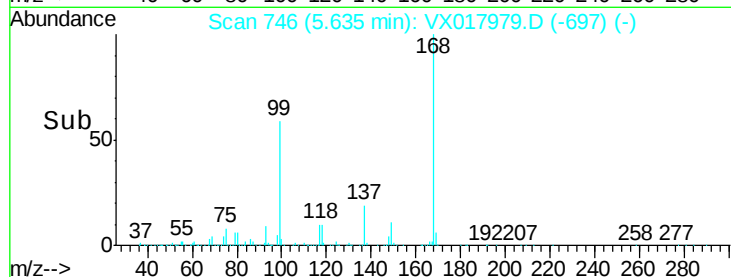
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 1.029 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017979.D

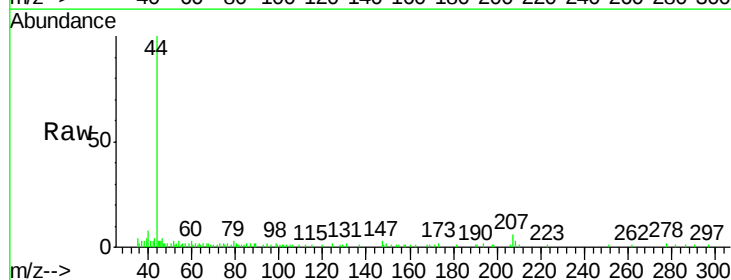
Acq: 19 Aug 2020 13:01

Tgt Ion: 85 Resp: 295

Ion Ratio Lower Upper

85 100

87 70.5 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

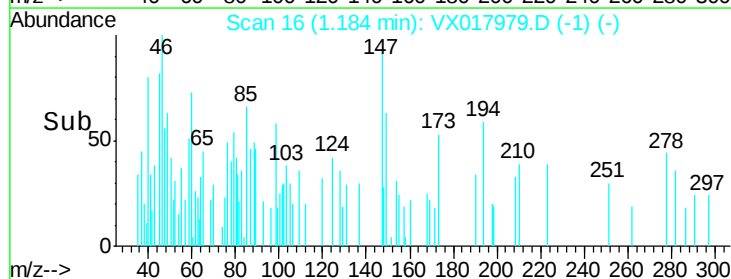
200

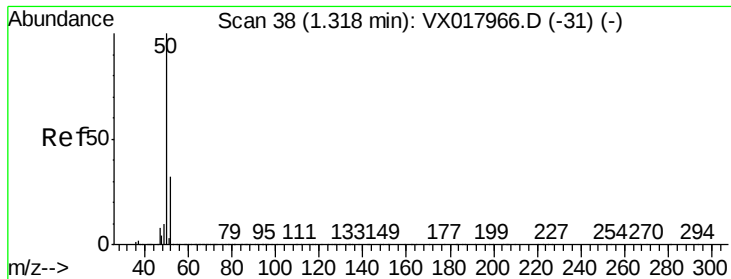
100

0

Time-->

1.14 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.334 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

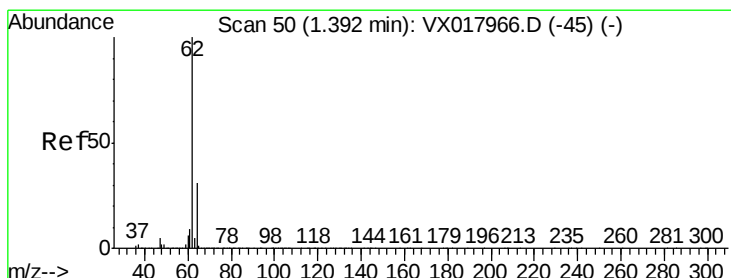
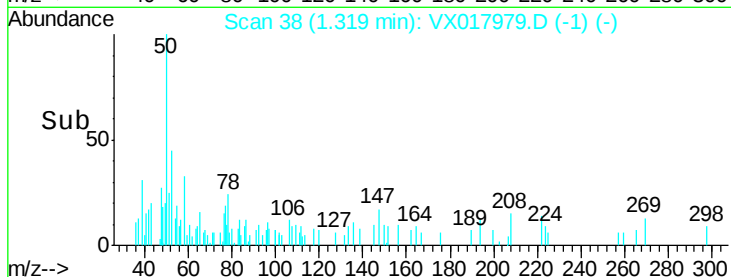
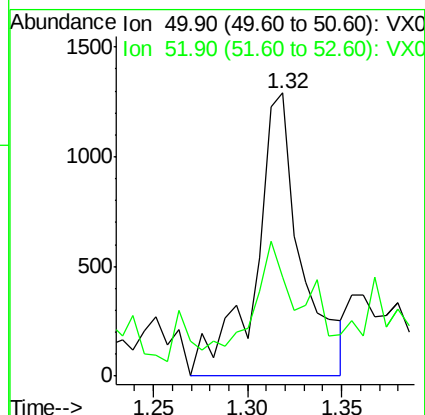
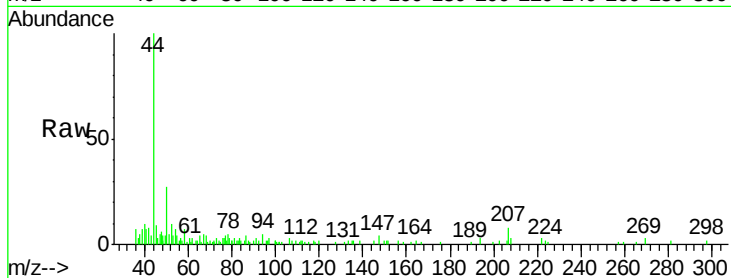
BP-VPB179-GW-818-820

Tgt Ion: 50 Resp: 2182

Ion Ratio Lower Upper

50 100

52 20.2 25.4 38.0#



#4

Vinyl Chloride

Concen: 2.306 ug/l

RT: 1.37 min Scan# 47

Delta R.T. -0.02 min

Lab File: VX017979.D

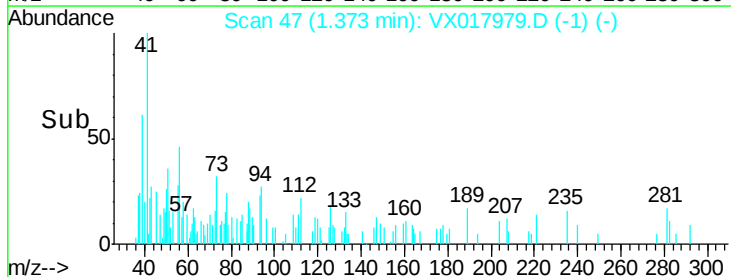
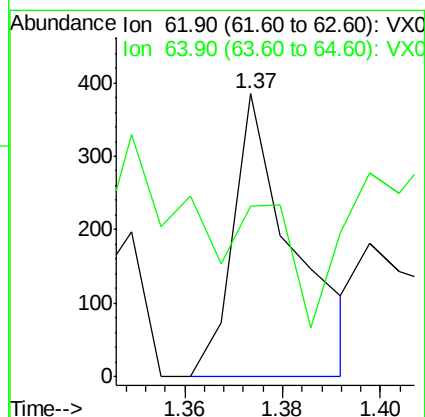
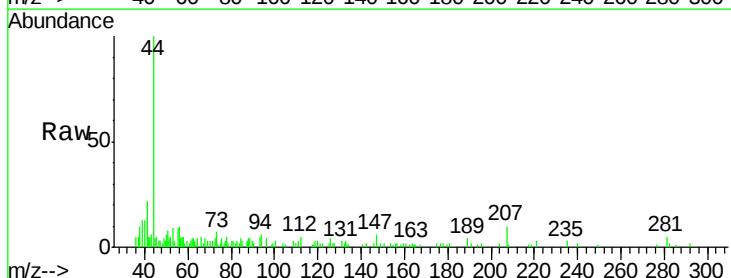
Acq: 19 Aug 2020 13:01

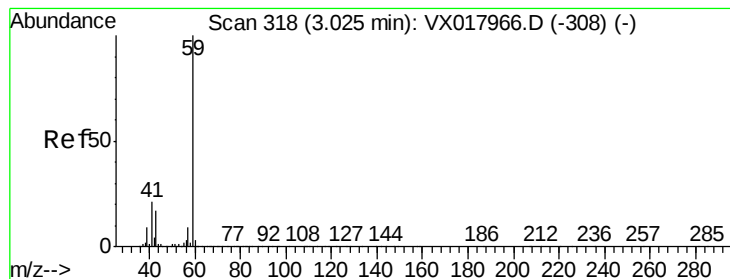
Tgt Ion: 62 Resp: 332

Ion Ratio Lower Upper

62 100

64 9.6 24.7 37.1#



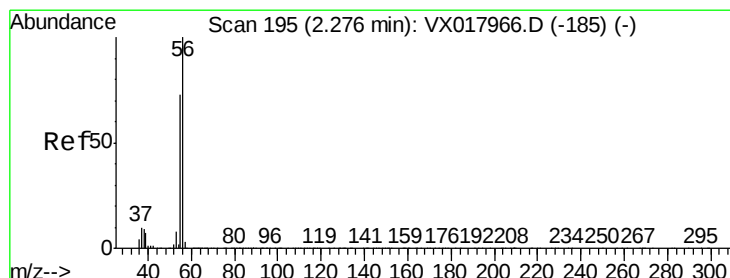
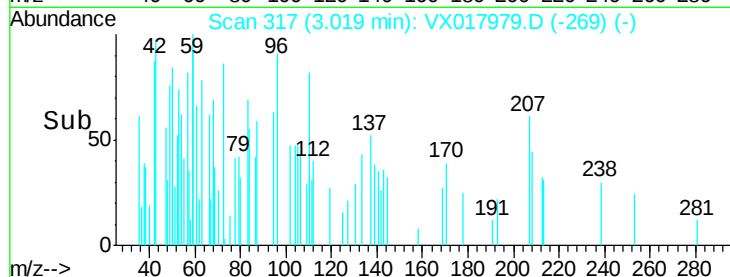
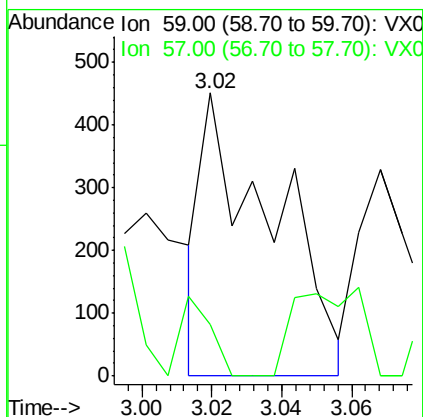
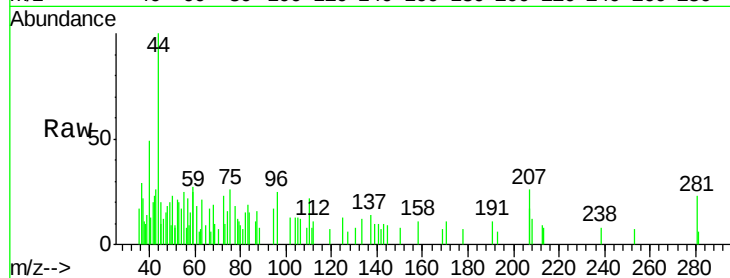


#11

Tert butyl alcohol
Concen: 0.470 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.01 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-818-820

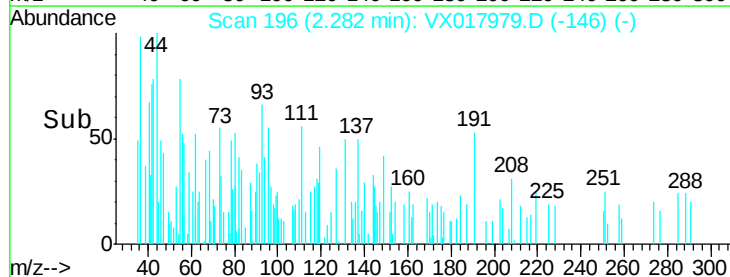
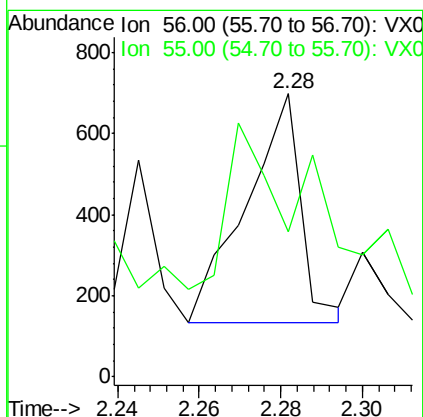
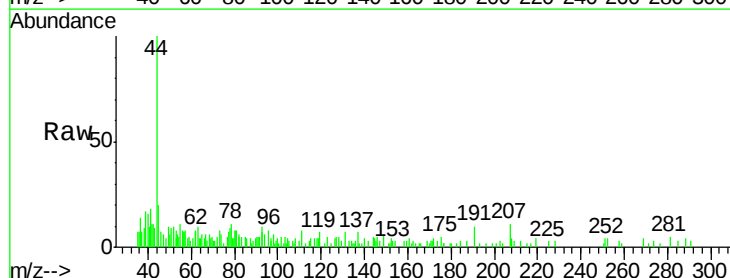
Tgt Ion: 59 Resp: 636
Ion Ratio Lower Upper
59 100
57 11.9 8.6 13.0

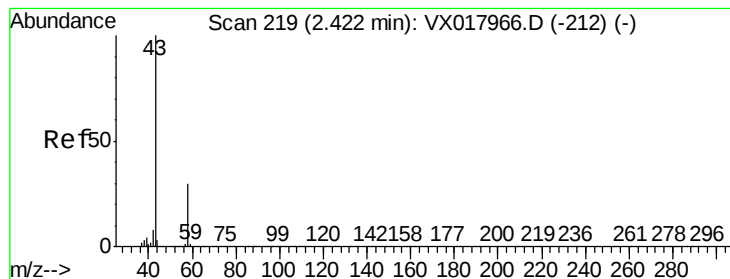


#13

Acrolein
Concen: 0.740 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

Tgt Ion: 56 Resp: 529
Ion Ratio Lower Upper
56 100
55 169.8 58.2 87.4#





#16

Acetone

Concen: 3.898 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

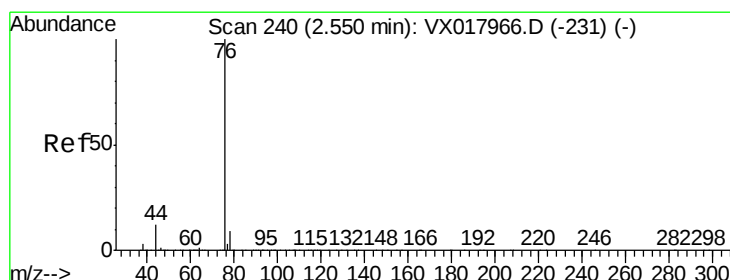
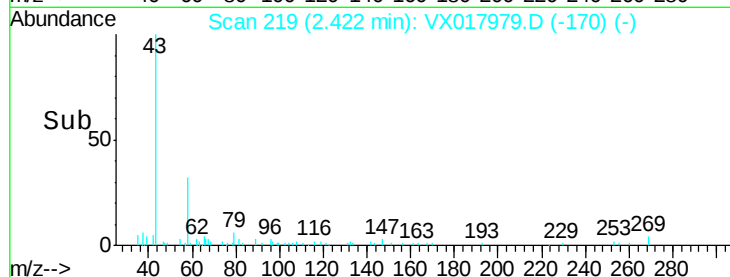
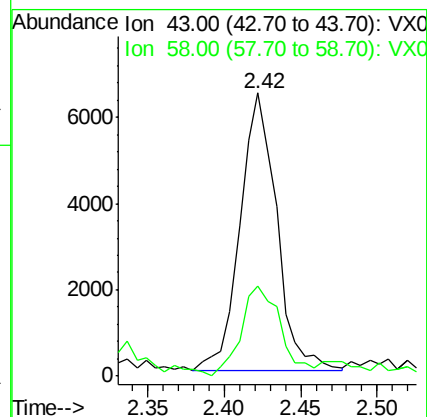
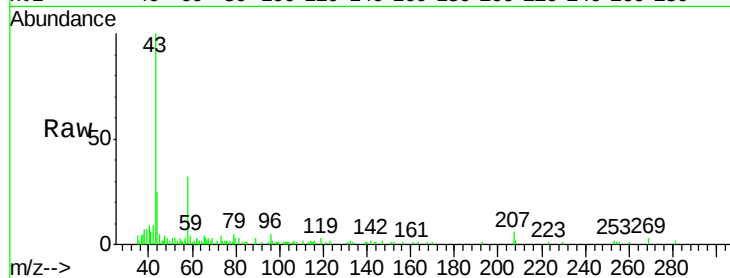
BP-VPB179-GW-818-820

Tgt Ion: 43 Resp: 10746

Ion Ratio Lower Upper

43 100

58 29.5 23.8 35.8



#17

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017979.D

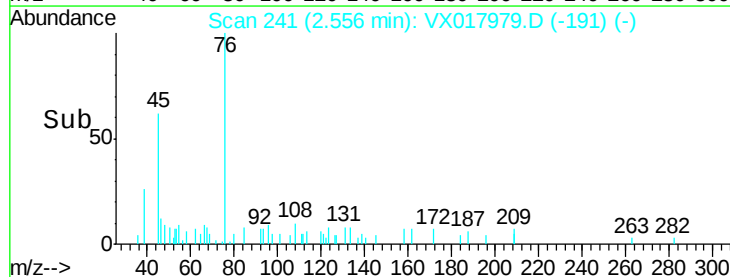
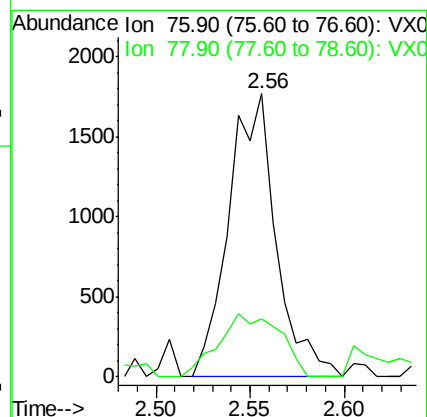
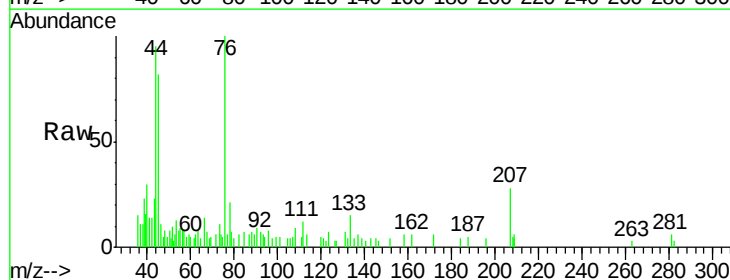
Acq: 19 Aug 2020 13:01

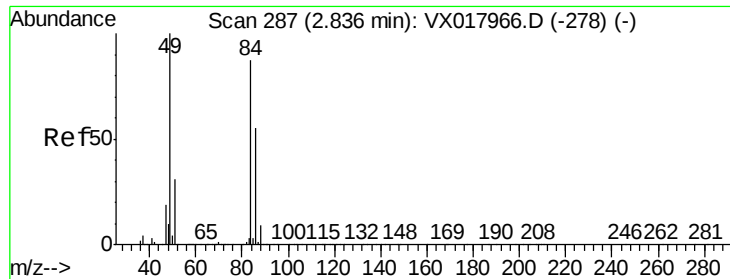
Tgt Ion: 76 Resp: 3098

Ion Ratio Lower Upper

76 100

78 20.6 7.3 10.9#

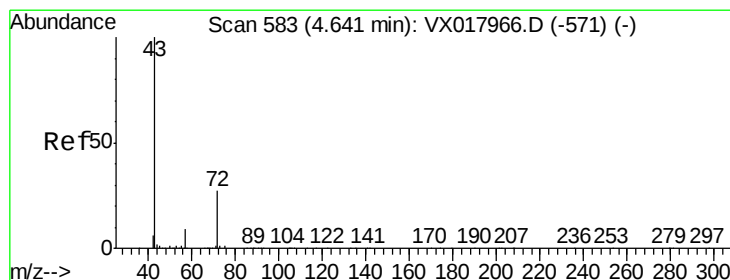
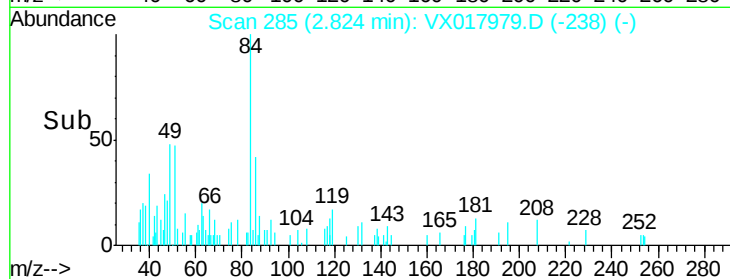
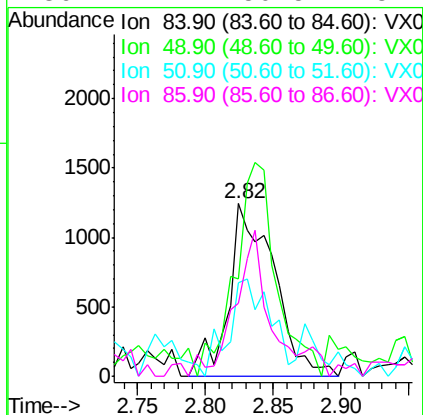
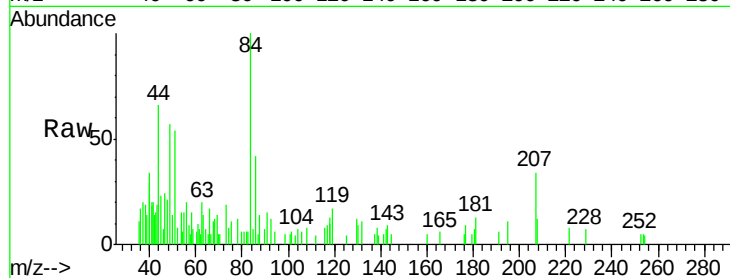




#20
Methylene Chloride
Concen: 0.572 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

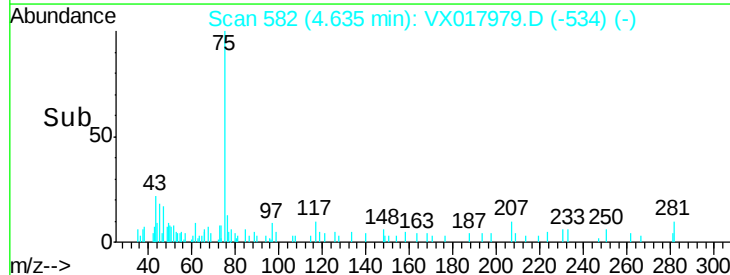
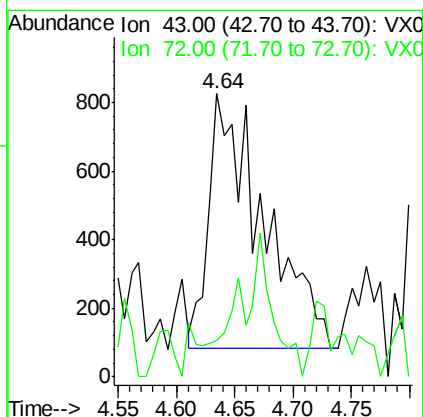
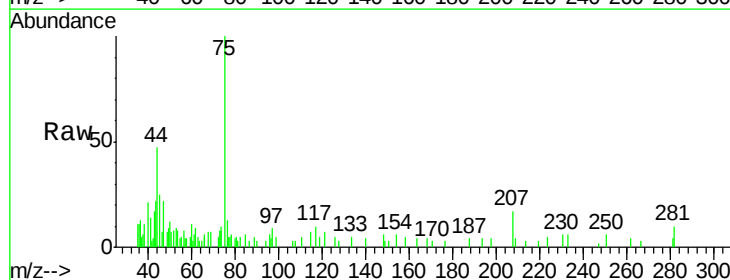
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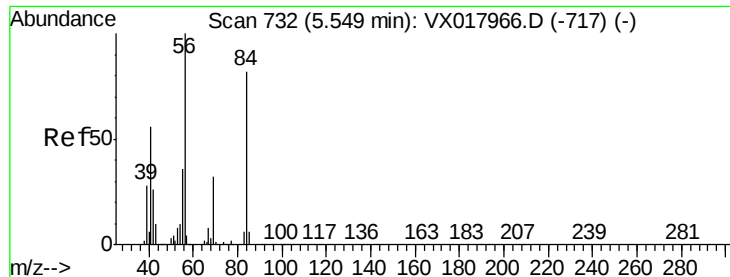
Tgt Ion: 84 Resp: 2904
Ion Ratio Lower Upper
84 100
49 40.7 91.8 137.6#
51 45.9 27.8 41.8#
86 42.4 50.5 75.7#



#25
2-Butanone
Concen: 0.575 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

Tgt Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
72 21.3 21.4 32.2#

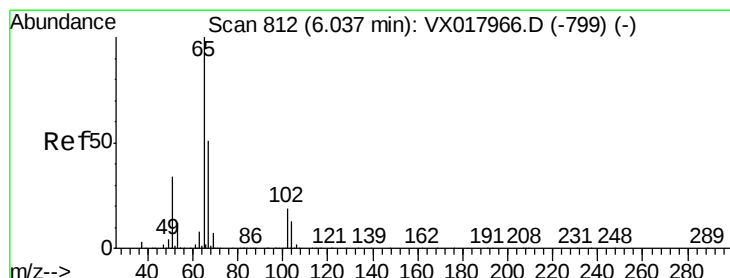
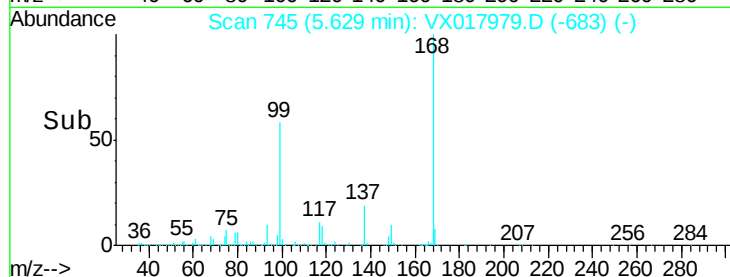
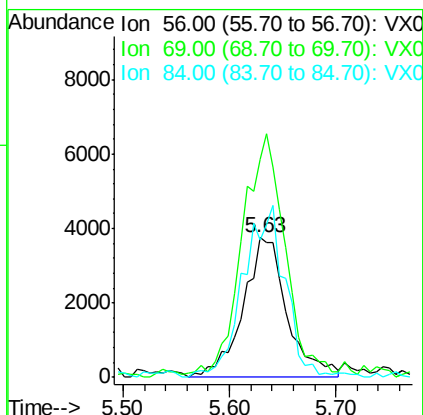
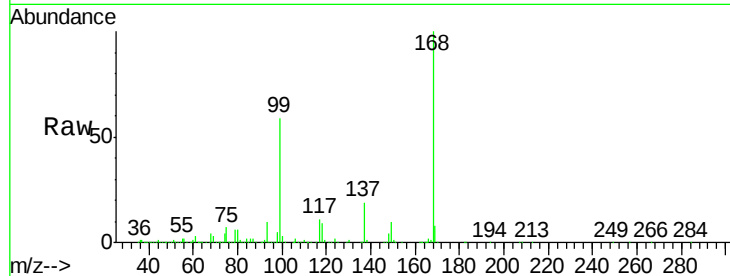




#31
Cyclohexane
Concen: 1.502 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

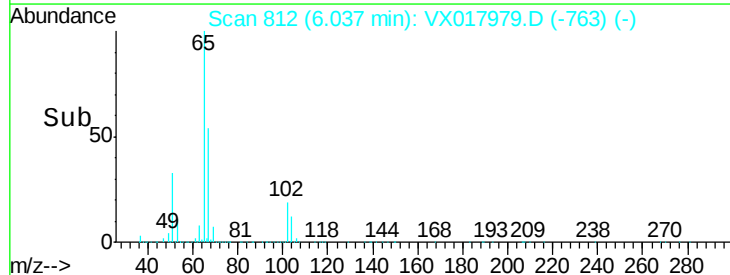
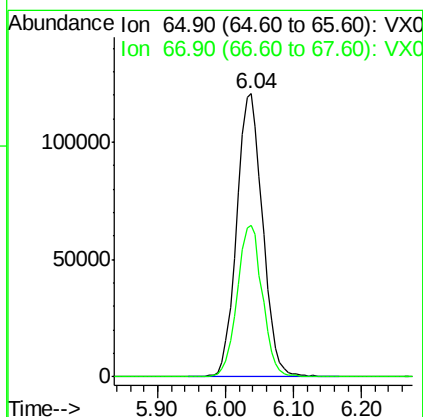
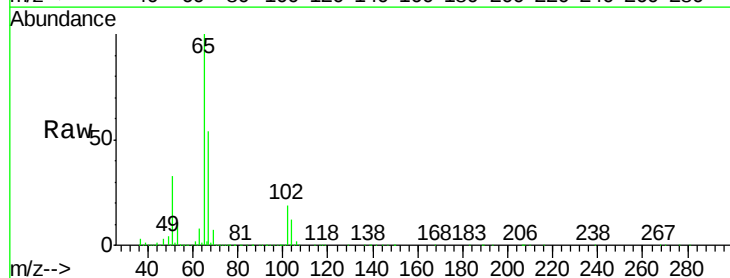
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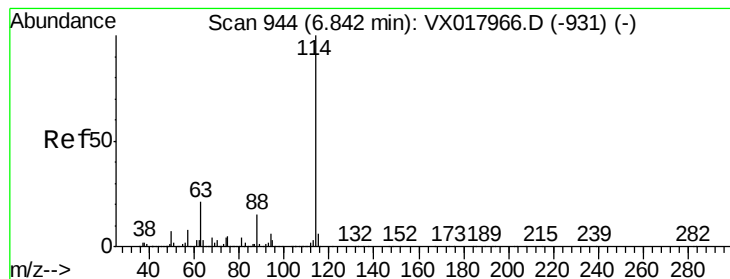
Tgt Ion: 56 Resp: 10880
Ion Ratio Lower Upper
56 100
69 152.4 25.3 37.9#
84 98.1 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 45.456 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

Tgt Ion: 65 Resp: 318541
Ion Ratio Lower Upper
65 100
67 52.4 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: VX017979.D

Acq: 19 Aug 2020 13:01

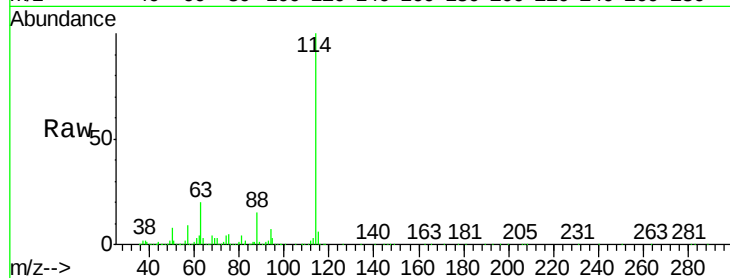
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-818-820

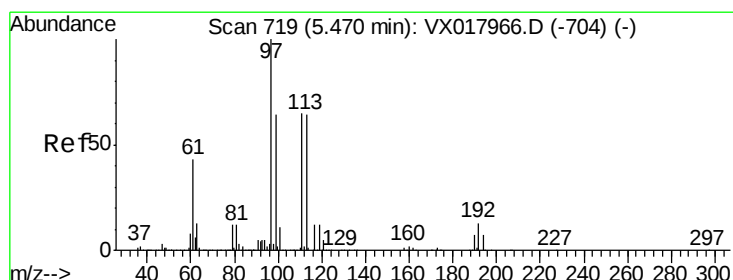
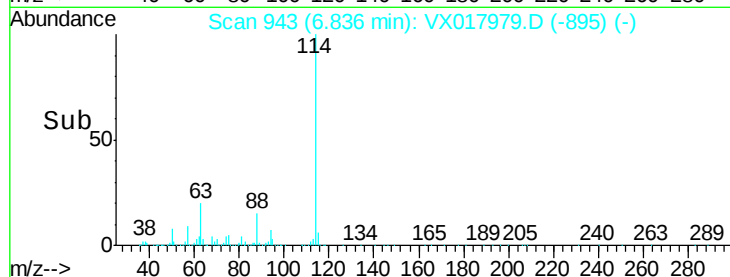
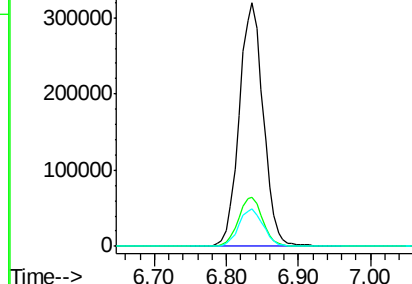
Tgt Ion:	114	Resp:	742287
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	42.6
88	15.3	0.0	30.2



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: 46.518 ug/l

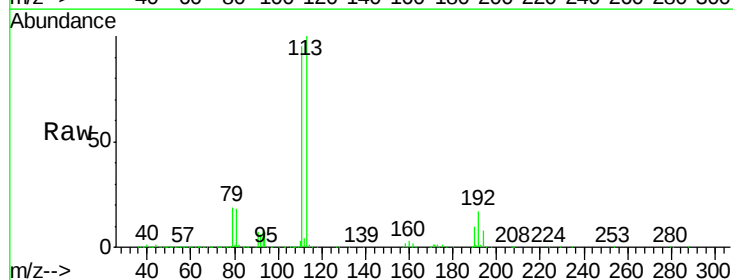
RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

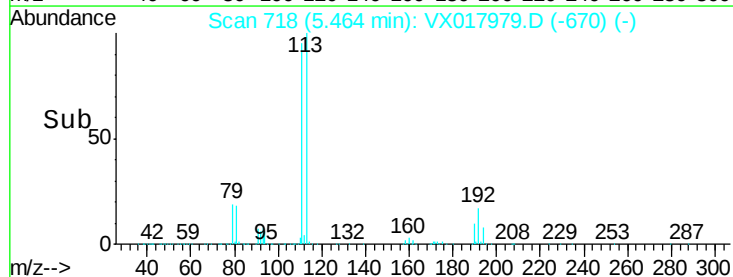
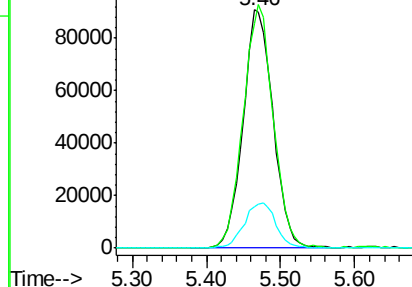
Tgt Ion:	113	Resp:	257138
Ion Ratio	Lower	Upper	
113	100		
111	102.0	83.5	125.3
192	19.8	16.2	24.4

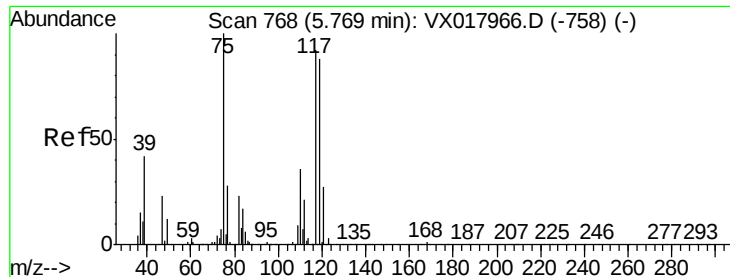


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

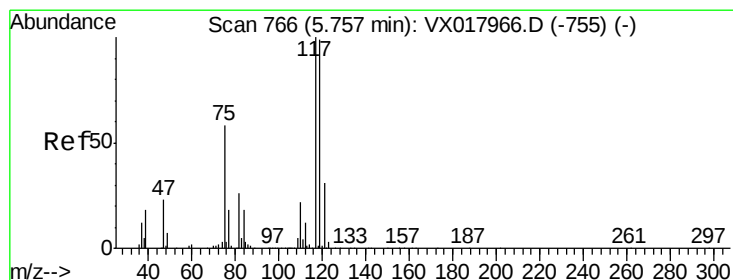
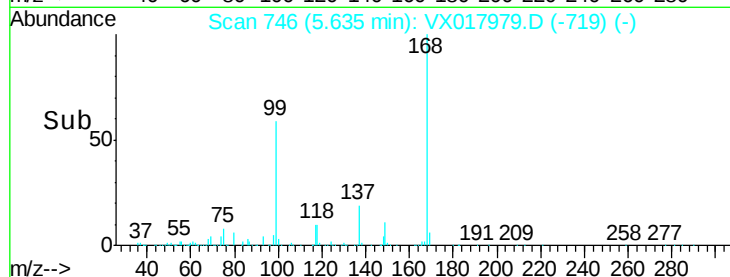
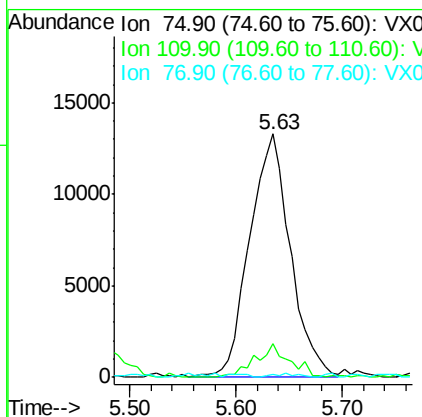
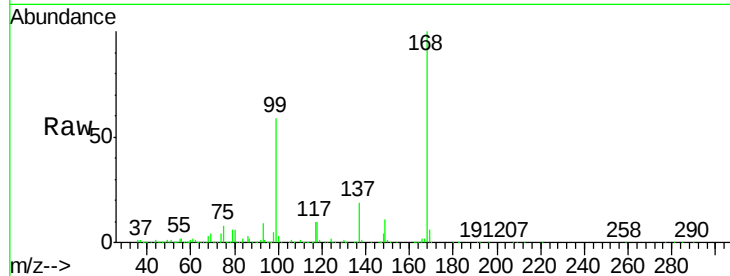




#36
 1,1-Dichloropropene
 Concen: 5.742 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017979.D
 Acq: 19 Aug 2020 13:01

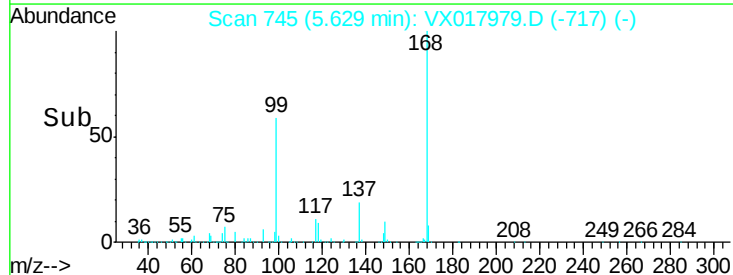
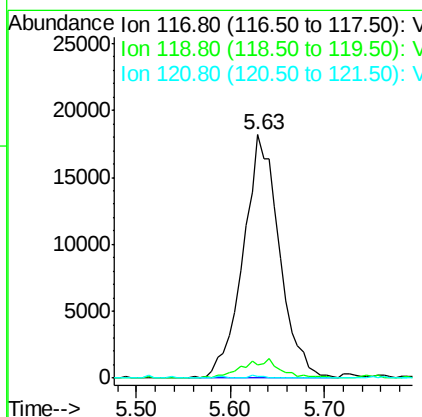
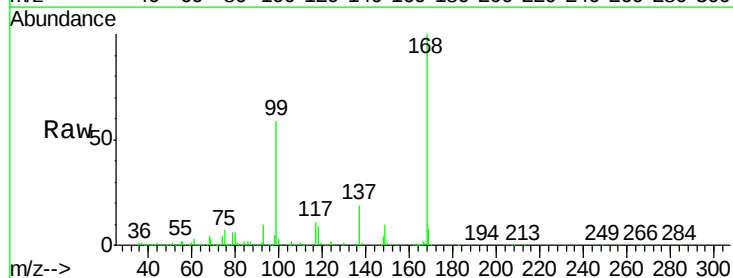
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-818-820

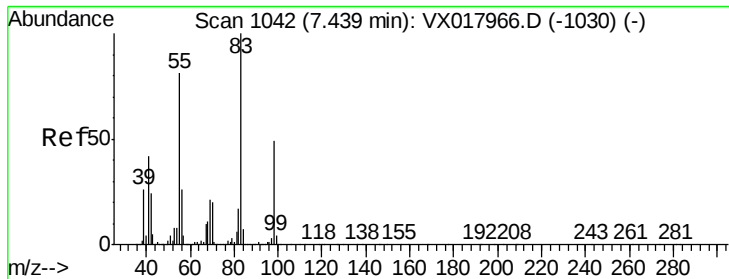
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.7	56.1#
77	1.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.082 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017979.D
 Acq: 19 Aug 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	79.0	118.6#
121	0.5	24.7	37.1#





#39

Methylcyclohexane

Concen: 0.853 ug/l

RT: 7.43 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-818-820

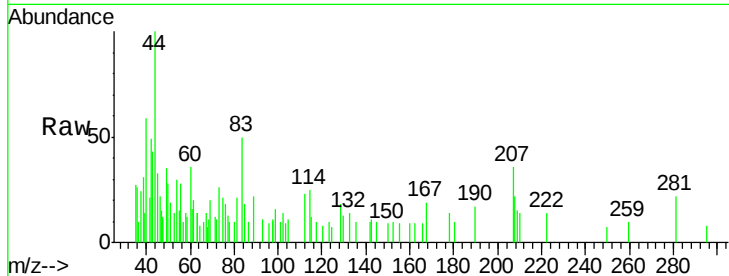
Tgt Ion: 83 Resp: 322

Ion Ratio Lower Upper

83 100

55 44.8 64.5 96.7#

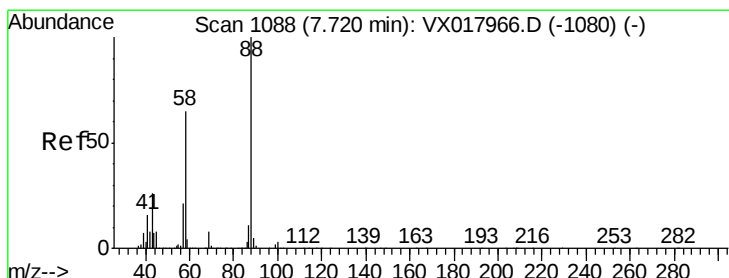
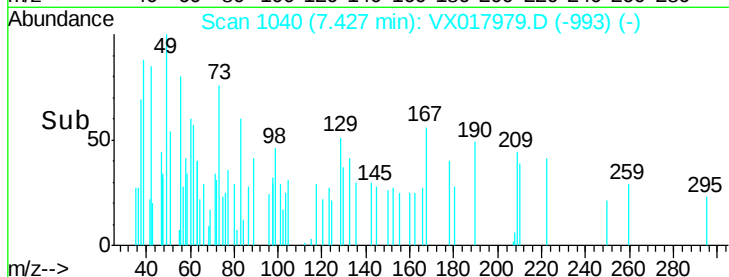
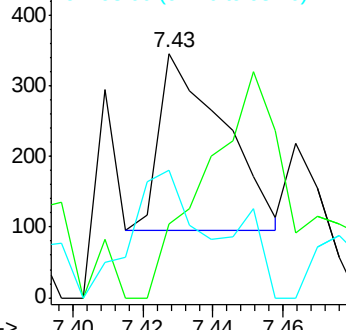
98 77.6 39.0 58.6#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#49

1,4-Dioxane

Concen: 2.036 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

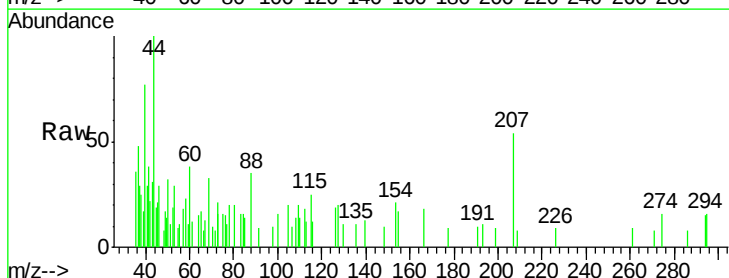
Tgt Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 215.3 27.3 40.9#

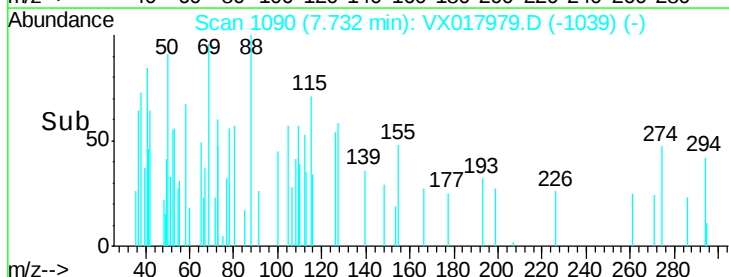
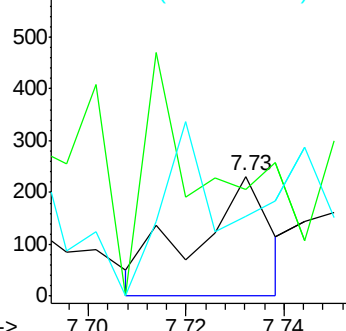
58 112.1 57.7 86.5#

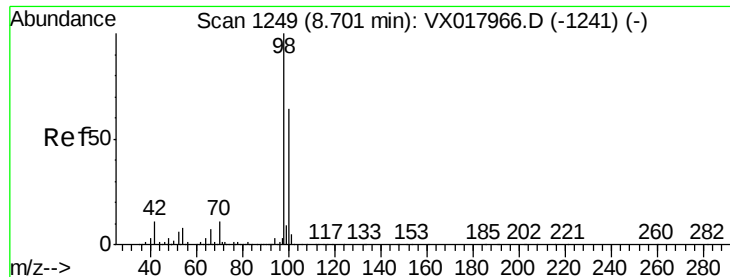


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 45.129 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

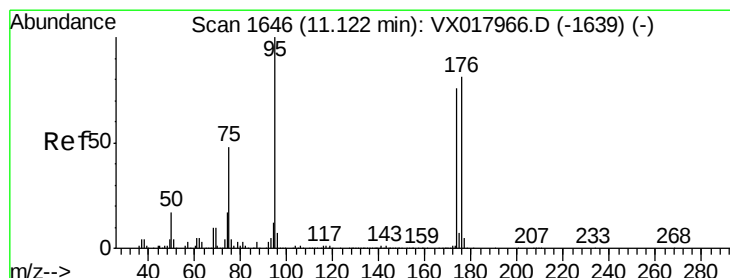
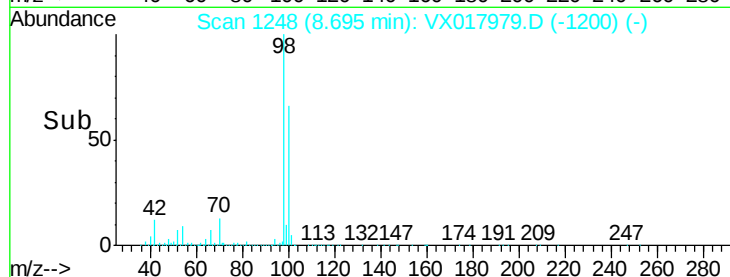
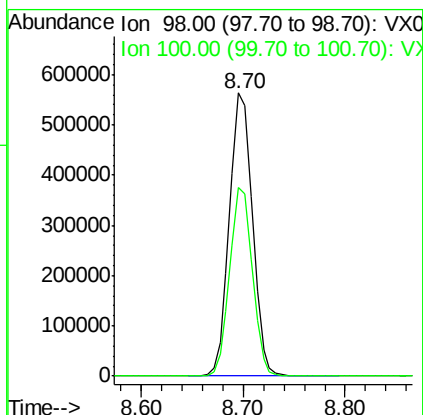
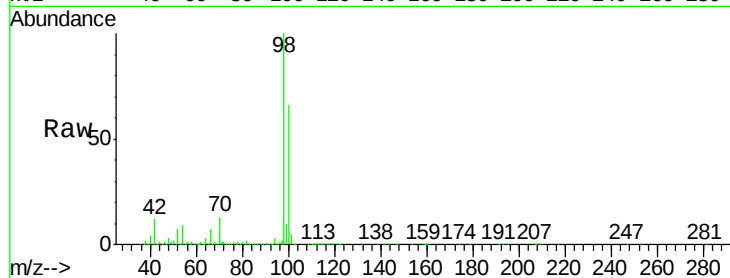
BP-VPB179-GW-818-820

Tgt Ion: 98 Resp: 881787

Ion Ratio Lower Upper

98 100

100 65.7 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 44.140 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

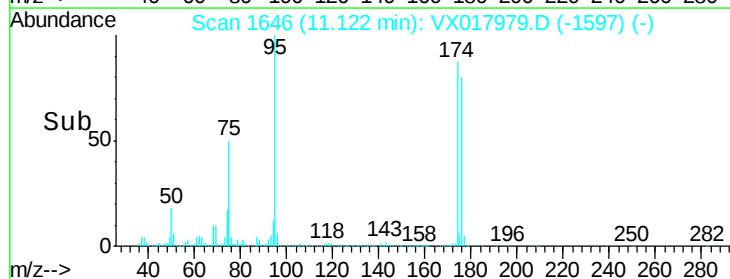
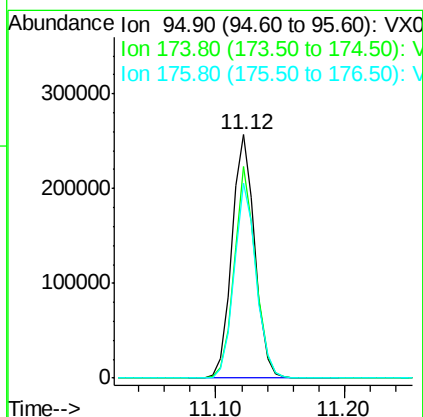
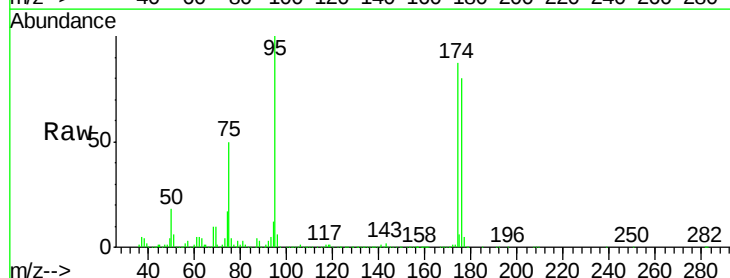
Tgt Ion: 95 Resp: 318541

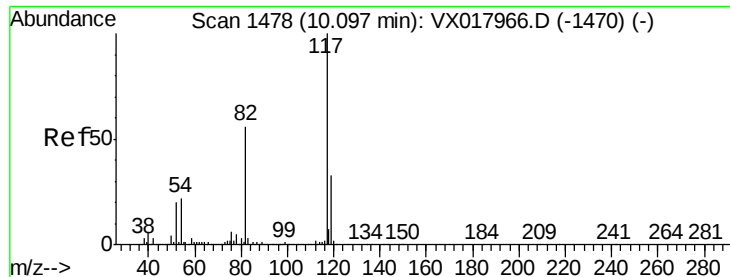
Ion Ratio Lower Upper

95 100

174 81.3 0.0 166.0

176 77.4 0.0 161.0

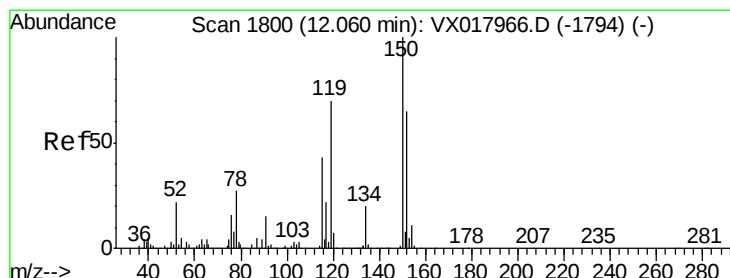
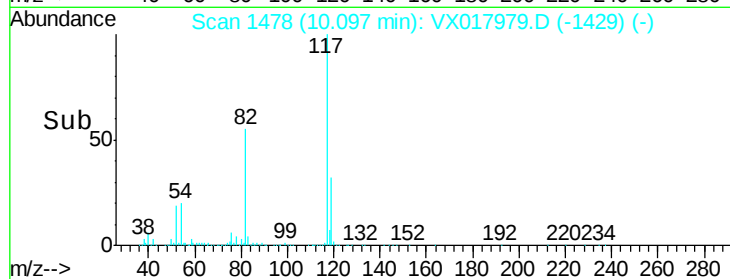
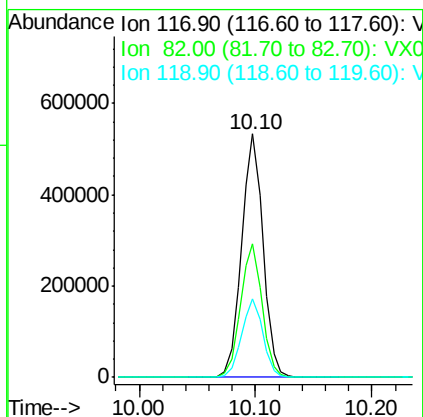
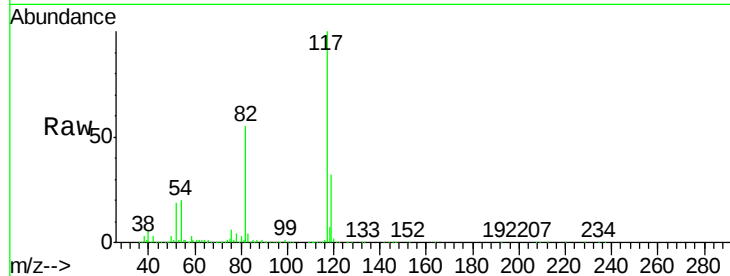




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

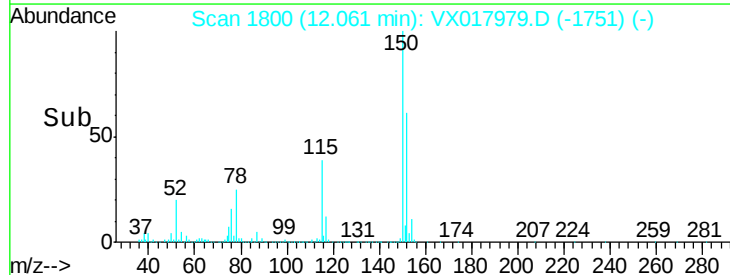
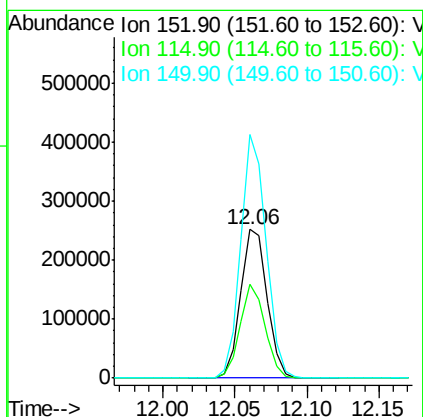
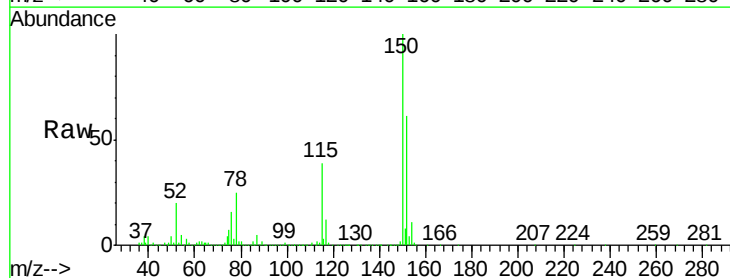
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-818-820

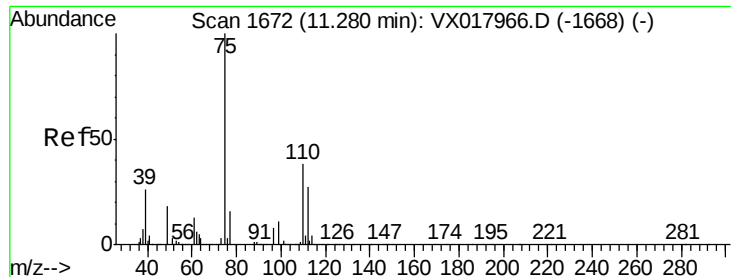
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	66.8
119	32.3	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017979.D
Acq: 19 Aug 2020 13:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	40.6	121.7
150	157.0	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 23.086 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

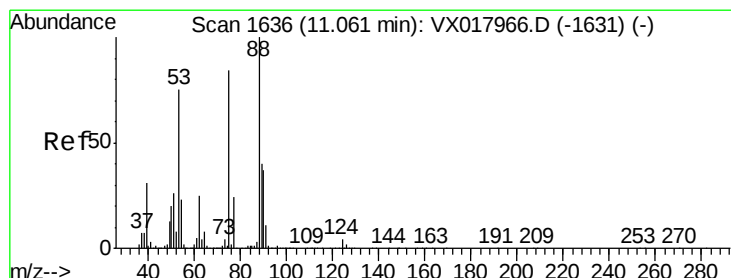
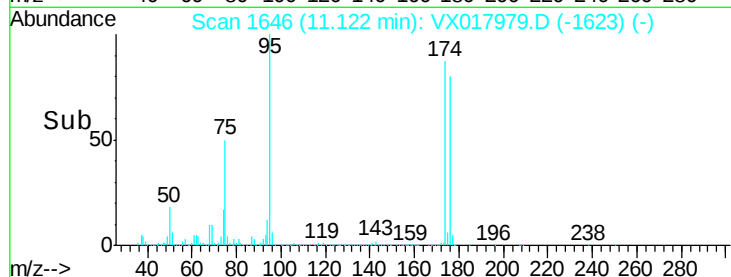
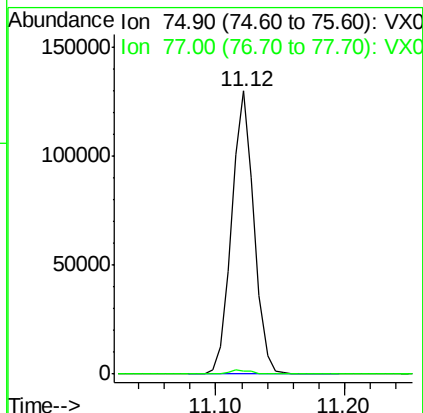
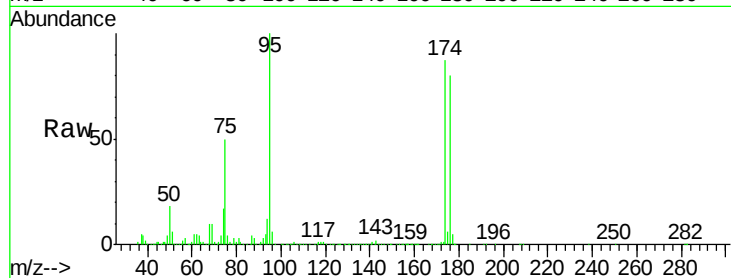
BP-VPB179-GW-818-820

Tgt Ion: 75 Resp: 157630

Ion Ratio Lower Upper

75 100

77 1.6 21.1 63.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.649 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

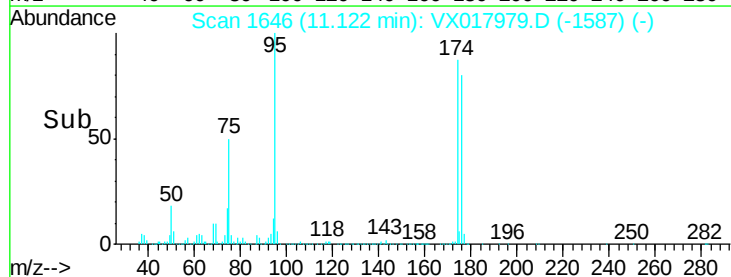
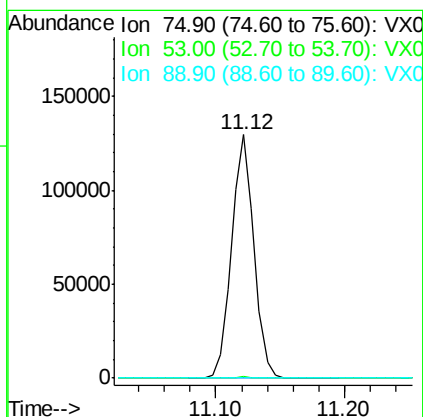
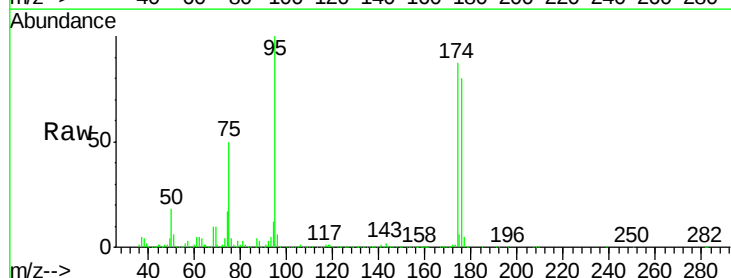
Tgt Ion: 75 Resp: 157630

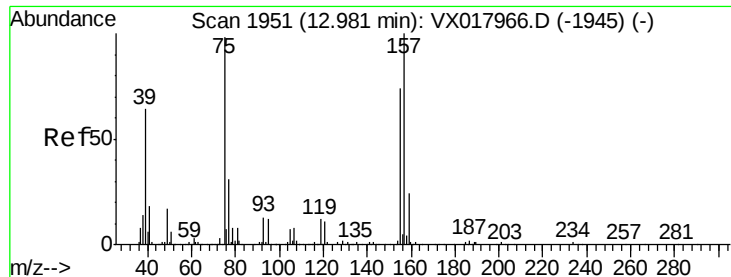
Ion Ratio Lower Upper

75 100

53 0.5 75.2 112.8#

89 0.2 38.4 57.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.200 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017979.D

Acq: 19 Aug 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-818-820

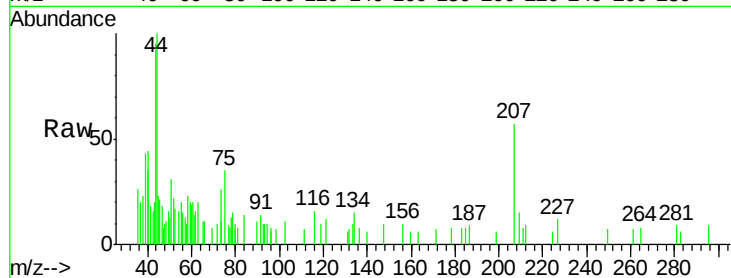
Tgt Ion: 75 Resp: 368

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

157 0.0 54.4 163.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

