

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081920\
 Data File : VX017984.D
 Acq On : 19 Aug 2020 14:55
 Operator : JC/SP
 Sample : L3718-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-298-300

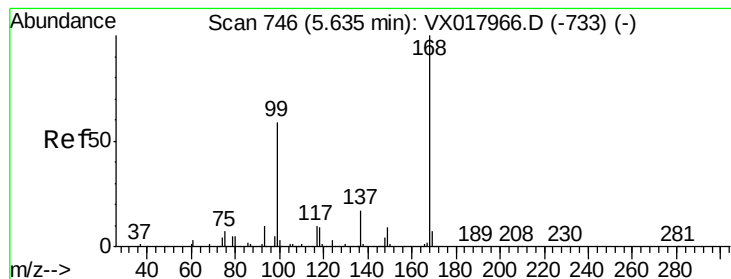
Quant Time: Aug 19 15:26:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	476140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	756246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	642640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	329456	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	317098	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
35) Dibromofluoromethane	5.46	113	252648	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	
50) Toluene-d8	8.70	98	841012	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	
62) 4-Bromofluorobenzene	11.12	95	300104	40.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	365	1.039	ug/l	74
3) Chloromethane	1.31	50	2026	0.311	ug/l #	82
4) Vinyl Chloride	1.39	62	650	2.352	ug/l #	44
11) Tert butyl alcohol	3.00	59	469	0.348	ug/l #	71
13) Acrolein	2.26	56	360	0.506	ug/l #	48
16) Acetone	2.42	43	11246	4.095	ug/l	90
17) Carbon Disulfide	2.56	76	2585	0.248	ug/l #	89
19) Methyl tert-butyl Ether	3.17	73	12904	0.786	ug/l	94
20) Methylene Chloride	2.84	84	2863	0.566	ug/l #	79
24) 1,1-Dichloroethane	3.67	63	27355	3.075	ug/l #	93
36) 1,1-Dichloropropene	5.64	75	36385	5.748	ug/l #	52
38) Carbon Tetrachloride	5.64	117	49388	6.029	ug/l #	17
39) Methylcyclohexane	7.42	83	452	0.868	ug/l #	47
42) 1,2-Dichloroethane	6.17	62	2202	0.272	ug/l	99
49) 1,4-Dioxane	7.70	88	107	0.862	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	150919	21.540	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	150919	56.589	ug/l #	12

(#) = 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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MSVOA_X

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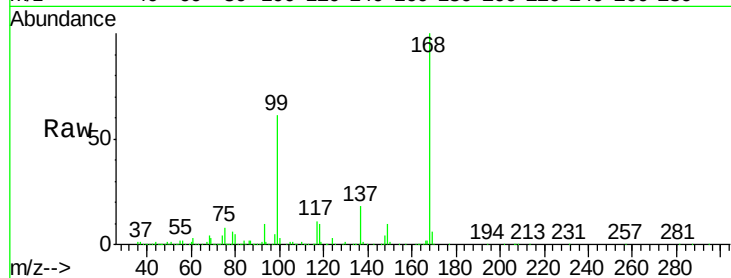
BP-VPB181-GW-298-300

Tgt Ion:168 Resp: 476140

Ion Ratio Lower Upper

168 100

99 60.8 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

150000

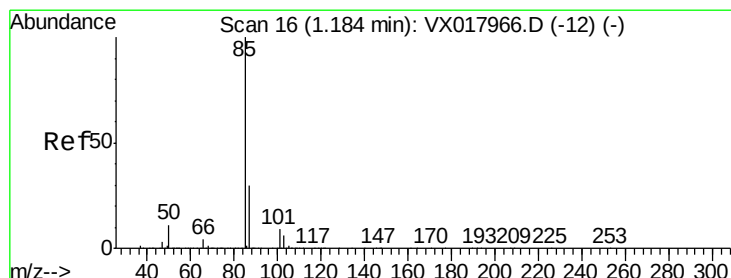
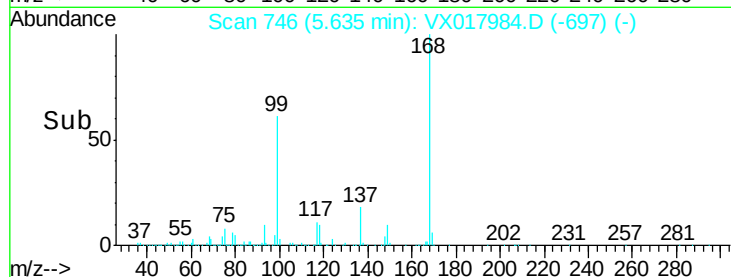
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.039 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017984.D

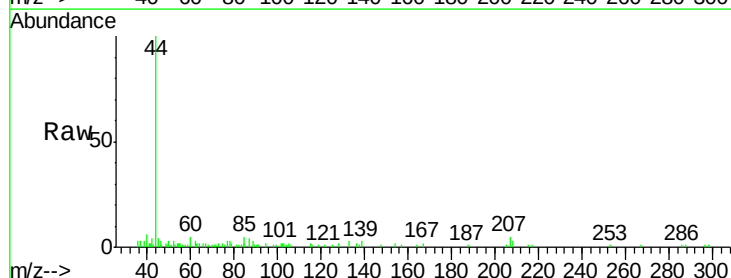
Acq: 19 Aug 2020 14:55

Tgt Ion: 85 Resp: 365

Ion Ratio Lower Upper

85 100

87 44.5 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

400

300

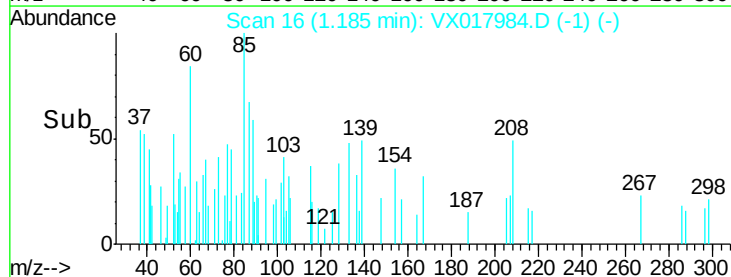
200

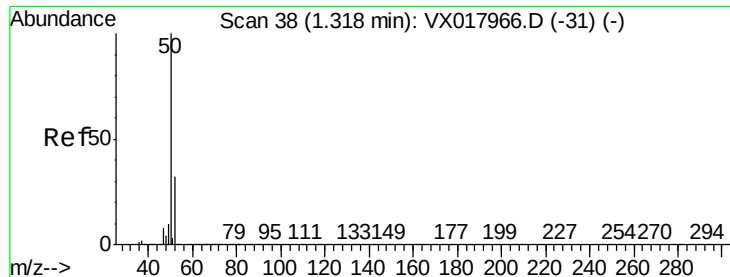
100

0

Time-->

1.16 1.18 1.20





#3

Chloromethane

Concen: 0.311 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

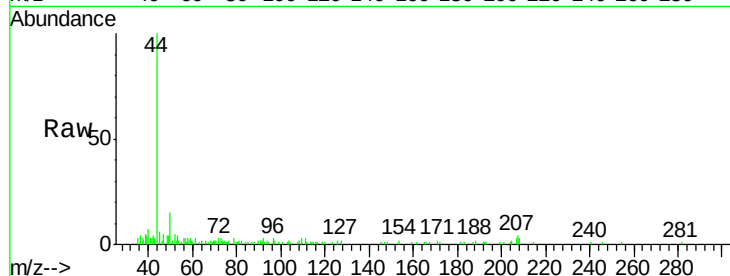
BP-VPB181-GW-298-300

Tgt Ion: 50 Resp: 2026

Ion Ratio Lower Upper

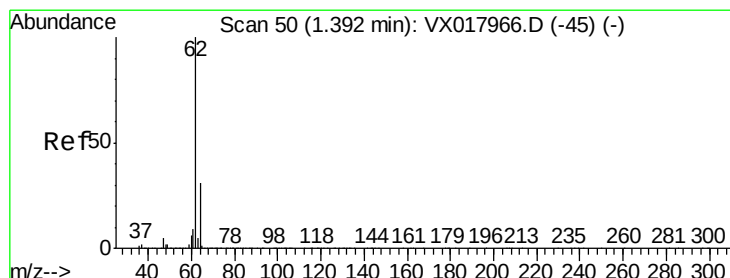
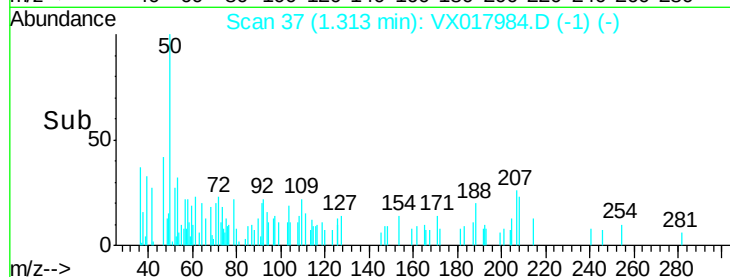
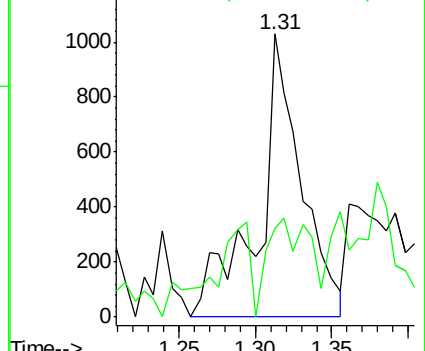
50 100

52 21.6 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: 2.352 ug/l

RT: 1.39 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX017984.D

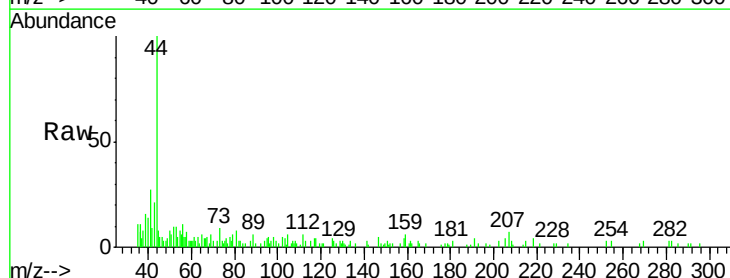
Acq: 19 Aug 2020 14:55

Tgt Ion: 62 Resp: 650

Ion Ratio Lower Upper

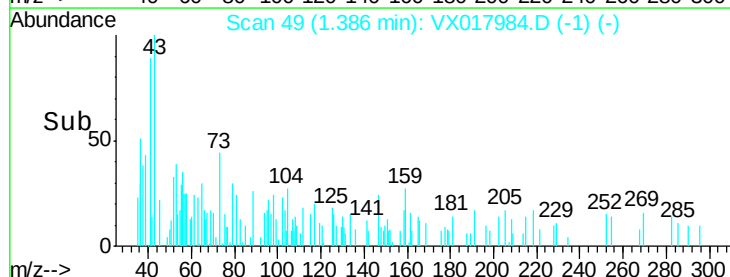
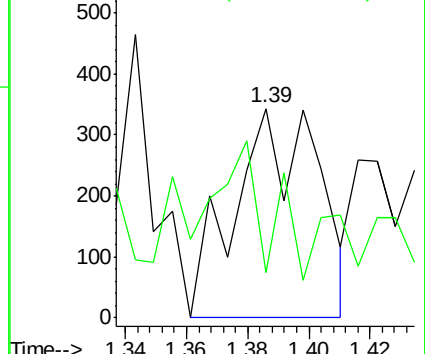
62 100

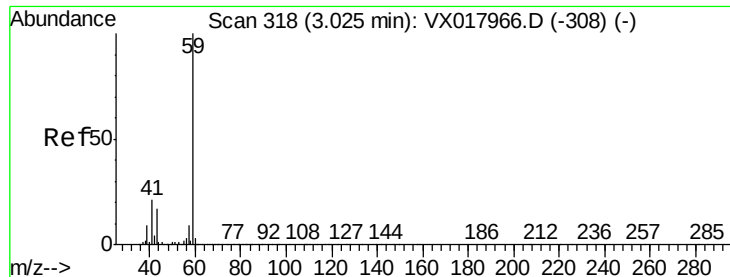
64 0.0 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

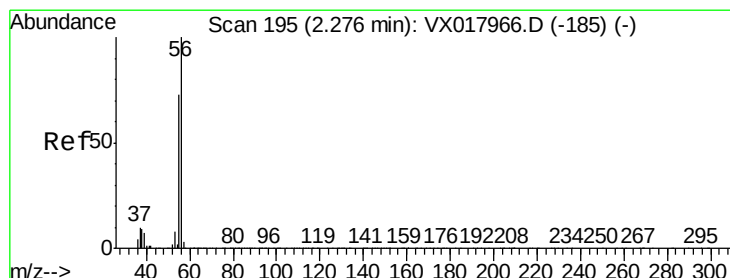
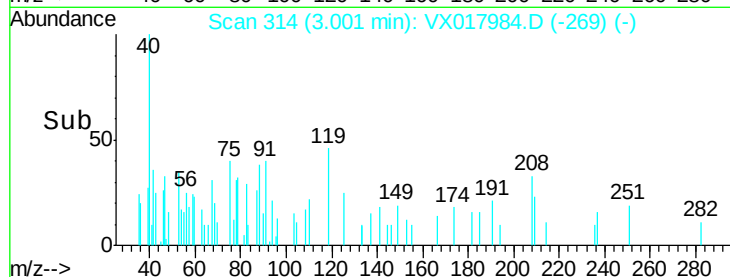
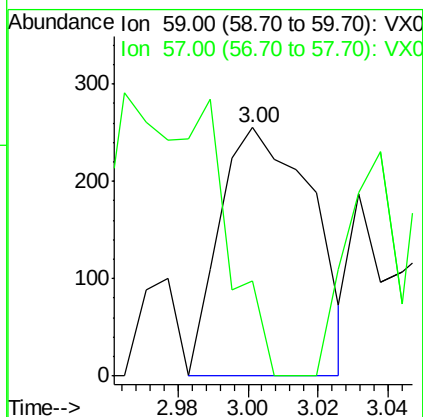
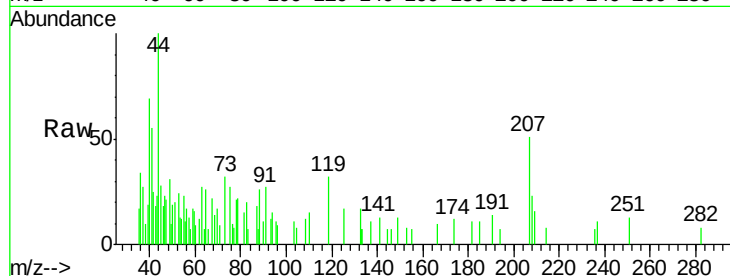




#11
Tert butyl alcohol
Concen: 0.348 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX017984.D
Acq: 19 Aug 2020 14:55

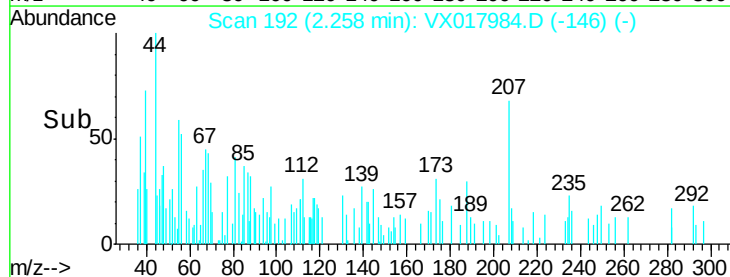
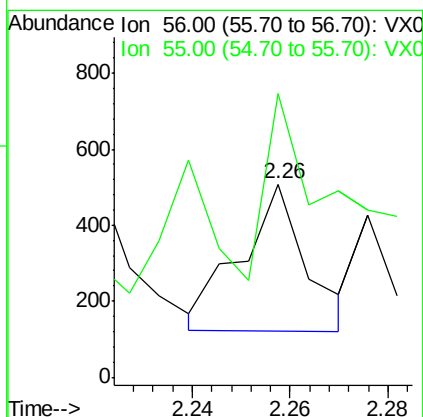
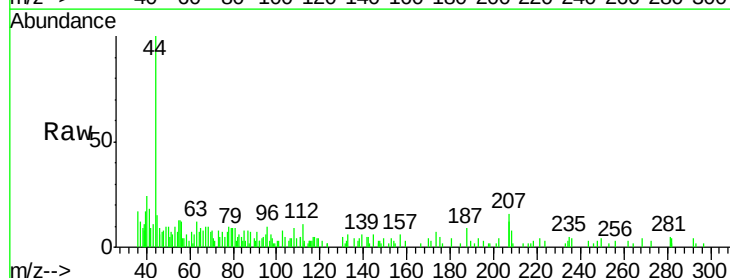
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-298-300

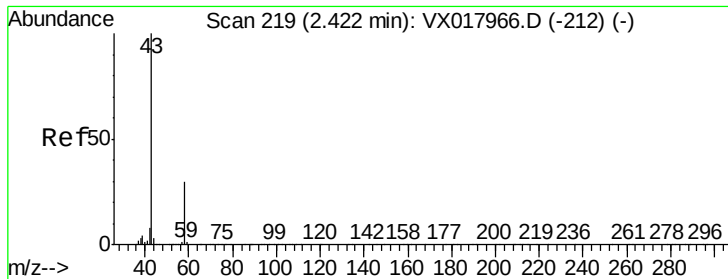
Tgt Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.506 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX017984.D
Acq: 19 Aug 2020 14:55

Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 116.1 58.2 87.4#

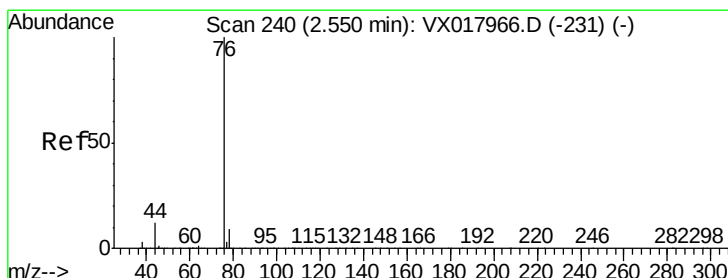
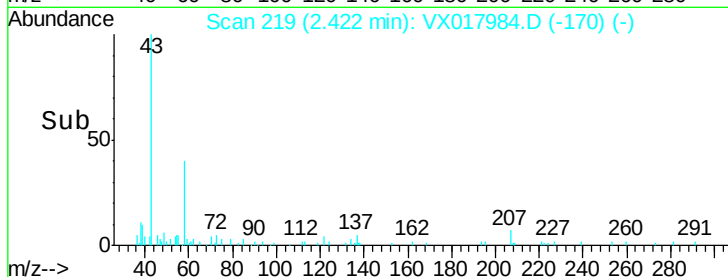
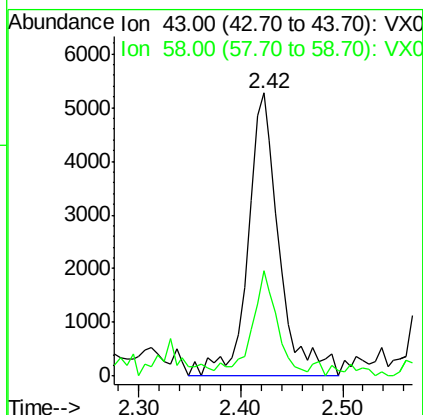
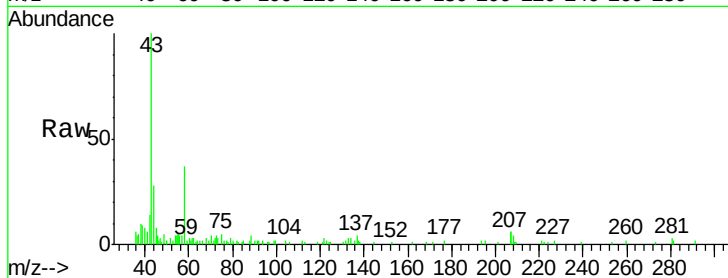




#16
Acetone
Concen: 4.095 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX017984.D
Acq: 19 Aug 2020 14:55

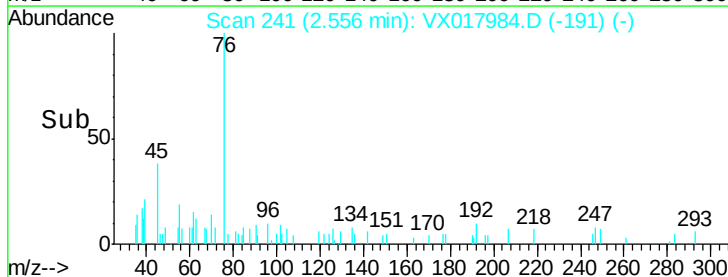
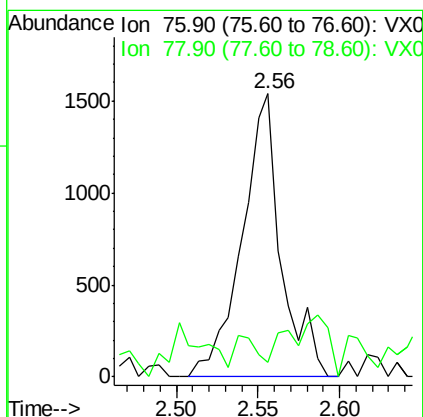
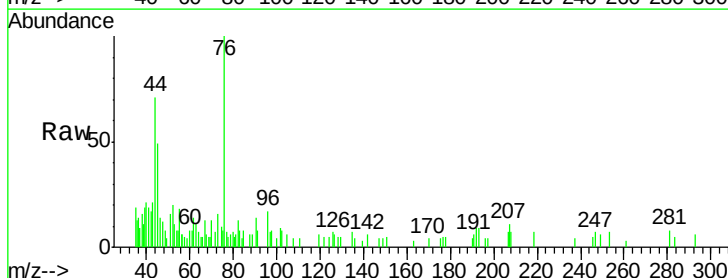
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-298-300

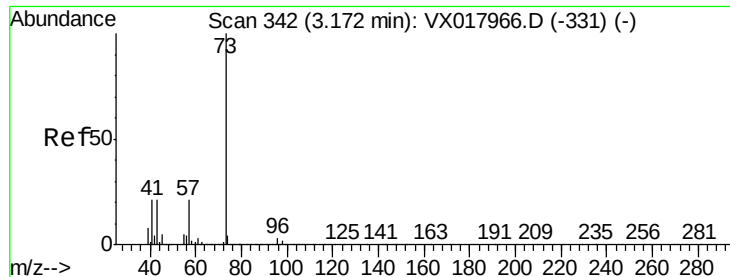
Tgt Ion: 43 Resp: 11246
Ion Ratio Lower Upper
43 100
58 35.2 23.8 35.8



#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX017984.D
Acq: 19 Aug 2020 14:55

Tgt Ion: 76 Resp: 2585
Ion Ratio Lower Upper
76 100
78 5.0 7.3 10.9#



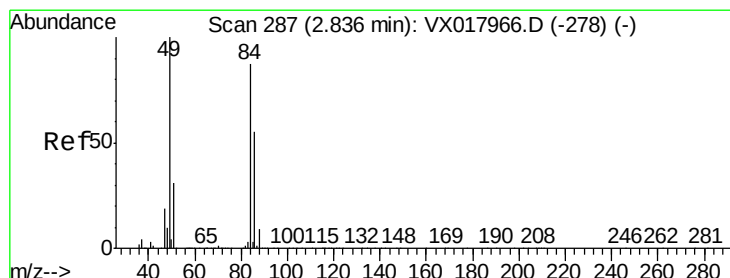
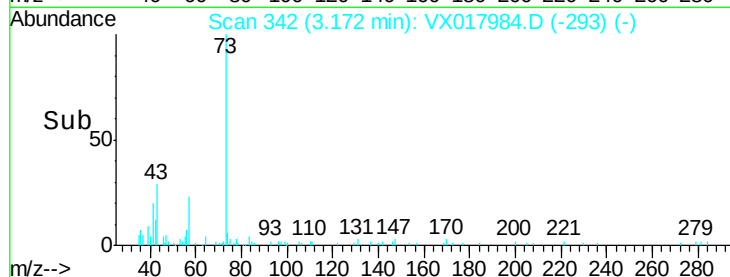
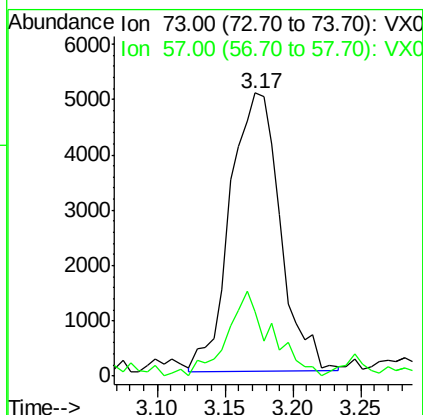
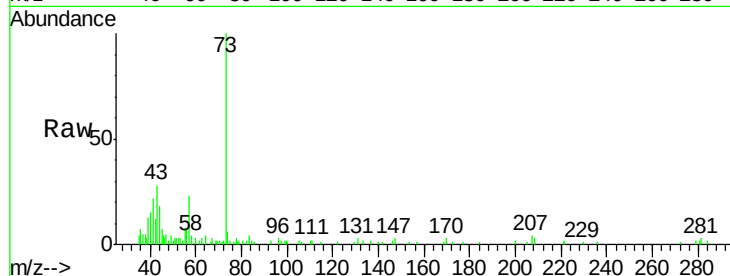


#19

Methyl tert-butyl Ether
Concen: 0.786 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX017984.D
Acq: 19 Aug 2020 14:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-298-300

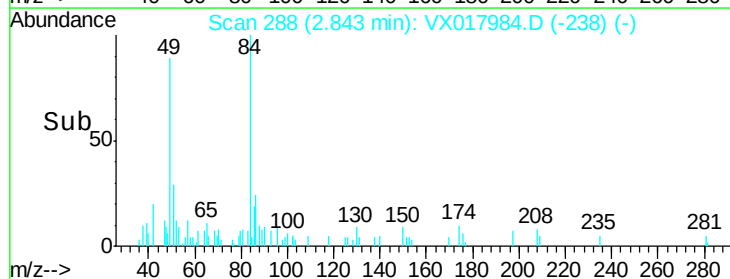
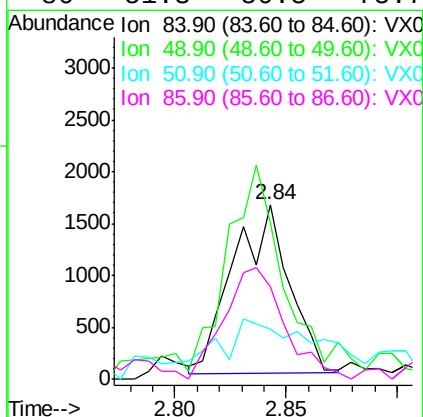
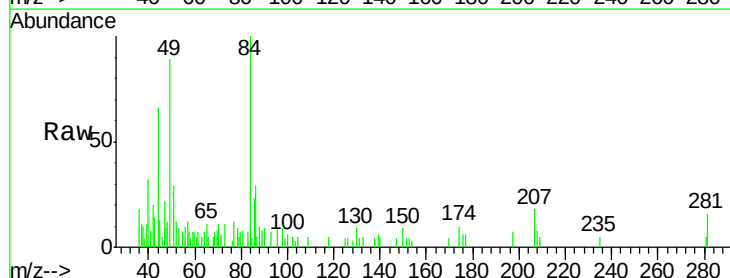
Tgt Ion: 73 Resp: 12904
Ion Ratio Lower Upper
73 100
57 23.7 16.9 25.3

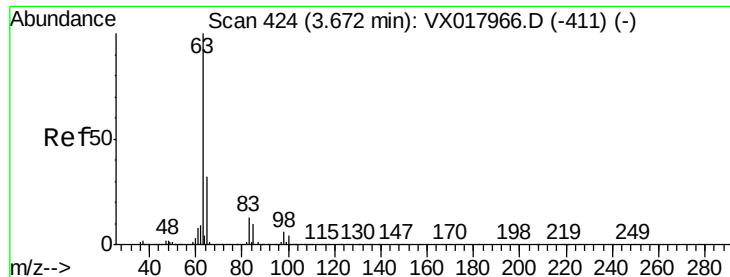


#20

Methylene Chloride
Concen: 0.566 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017984.D
Acq: 19 Aug 2020 14:55

Tgt Ion: 84 Resp: 2863
Ion Ratio Lower Upper
84 100
49 89.3 91.8 137.6#
51 19.6 27.8 41.8#
86 51.3 50.5 75.7





#24

1,1-Dichloroethane

Concen: 3.075 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

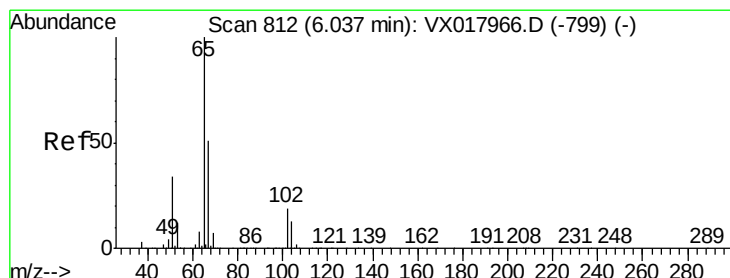
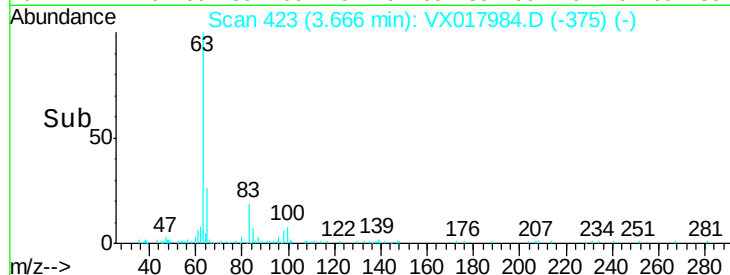
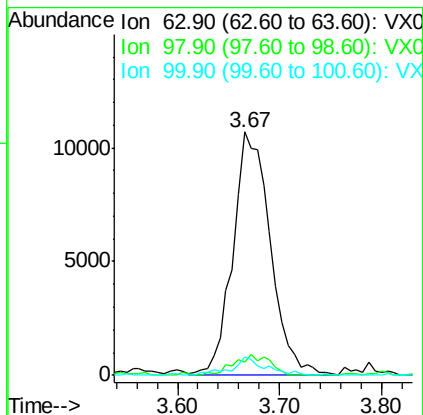
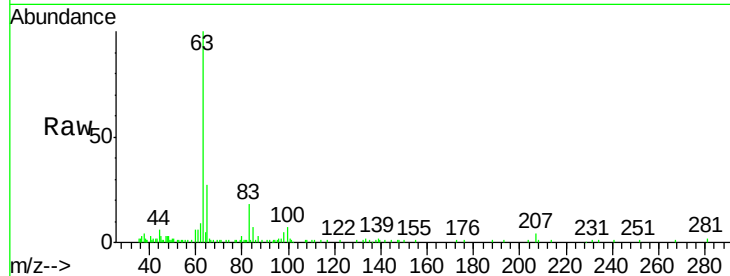
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-298-300

Tgt Ion:	63	Resp:	27355
Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.0
100	9.1	2.0	5.8#



#33

1,2-Dichloroethane-d4

Concen: 45.430 ug/l

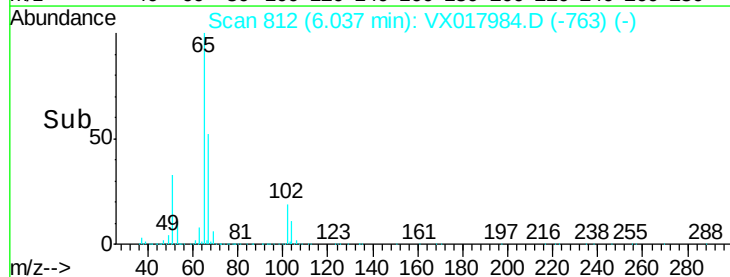
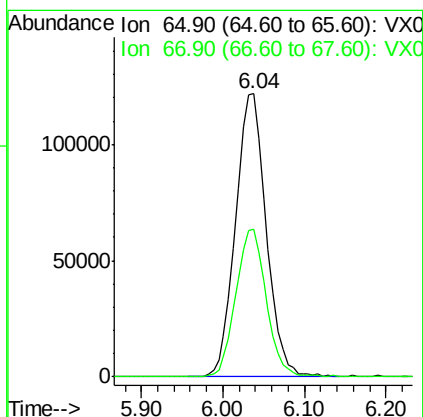
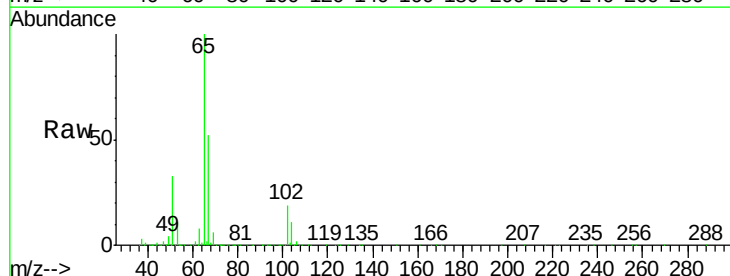
RT: 6.04 min Scan# 812

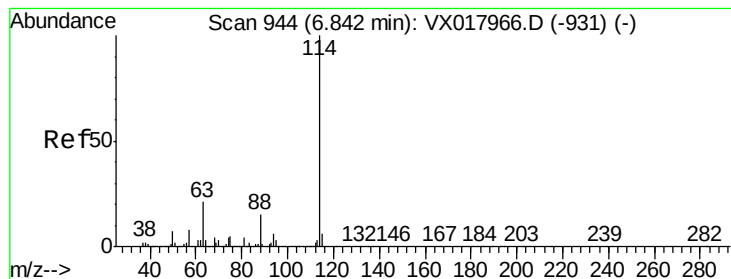
Delta R.T. 0.00 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

Tgt Ion:	65	Resp:	317098
Ion	Ratio	Lower	Upper
65	100		
67	51.3	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: VX017984.D

Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-298-300

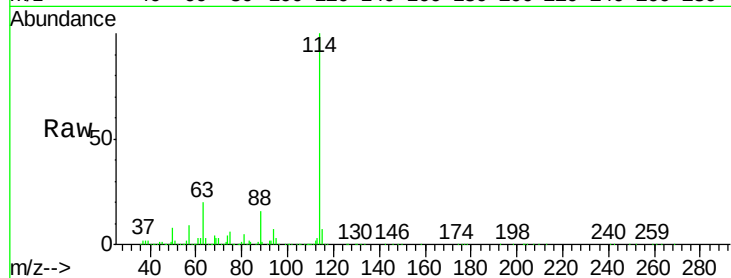
Tgt Ion:114 Resp: 756246

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

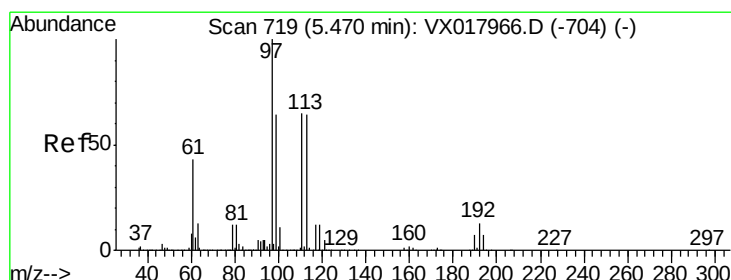
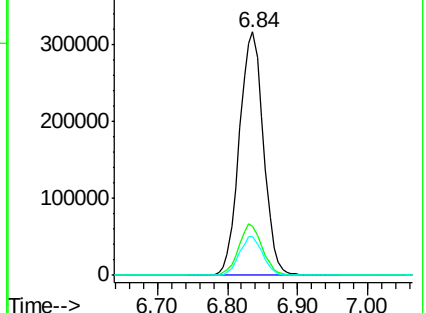
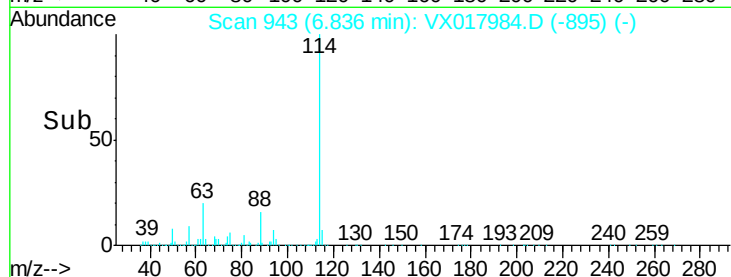
88 16.1 0.0 30.2



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: 44.862 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

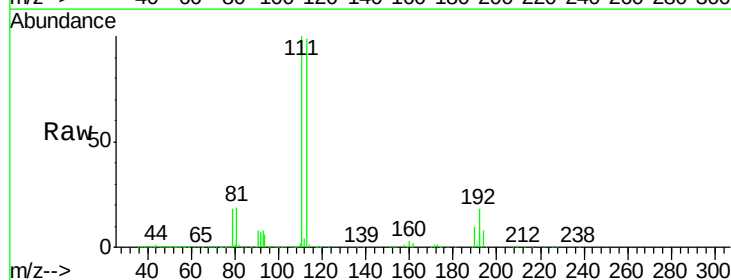
Tgt Ion:113 Resp: 252648

Ion Ratio Lower Upper

113 100

111 100.2 83.5 125.3

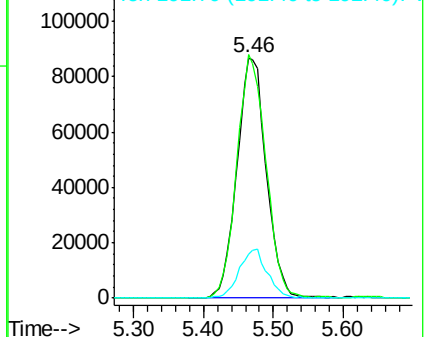
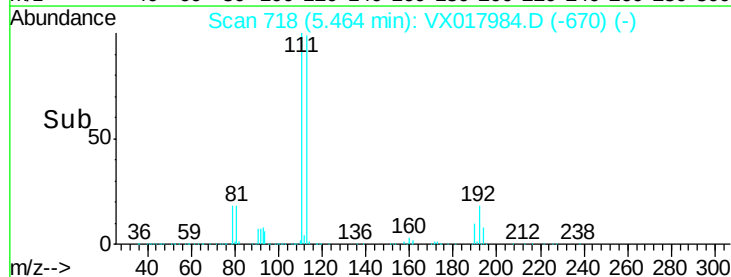
192 19.5 16.2 24.4

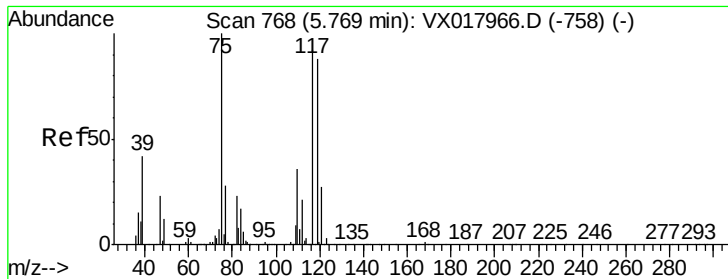


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.748 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

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BP-VPB181-GW-298-300

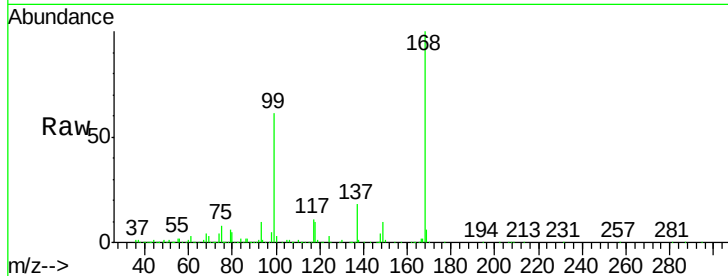
Tgt Ion: 75 Resp: 36385

Ion Ratio Lower Upper

75 100

110 11.0 18.7 56.1#

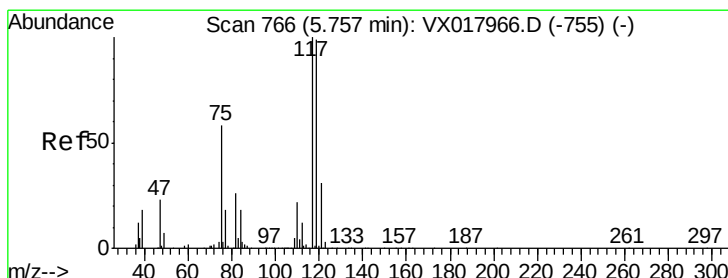
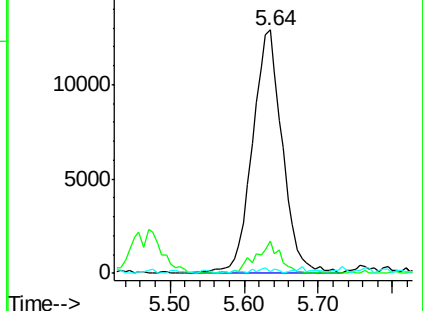
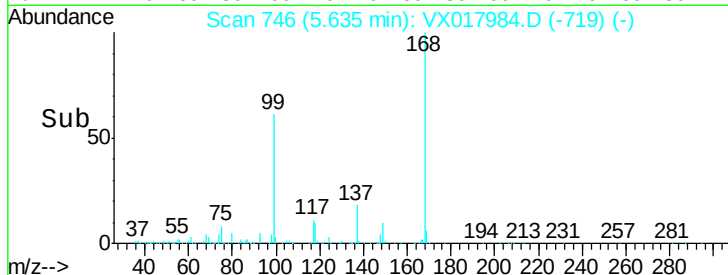
77 1.3 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX017984.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX017984.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX017984.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 6.029 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

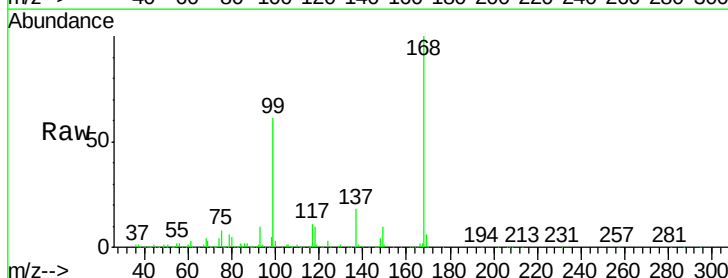
Tgt Ion: 117 Resp: 49388

Ion Ratio Lower Upper

117 100

119 8.3 79.0 118.6#

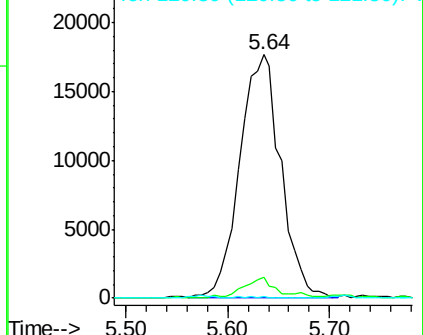
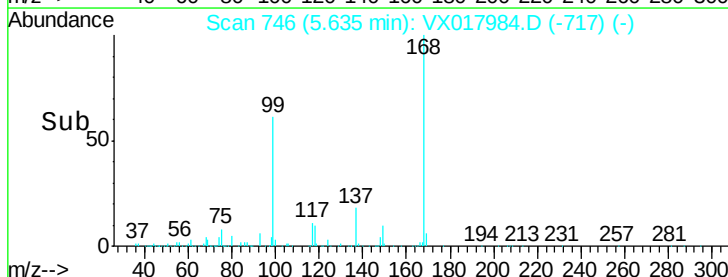
121 0.0 24.7 37.1#

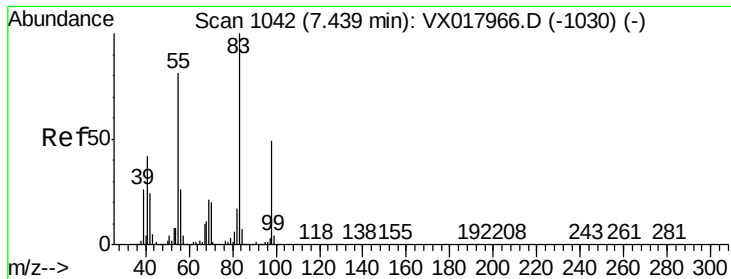


Abundance Ion 116.80 (116.50 to 117.50): VX017984.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX017984.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX017984.D (-717) (-)





#39

Methylcyclohexane

Concen: 0.868 ug/l

RT: 7.42 min Scan# 1039

Delta R.T. -0.02 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-298-300

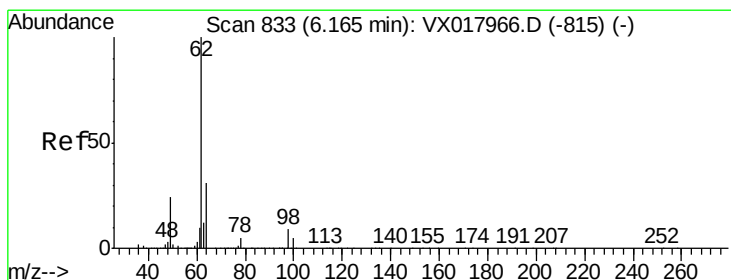
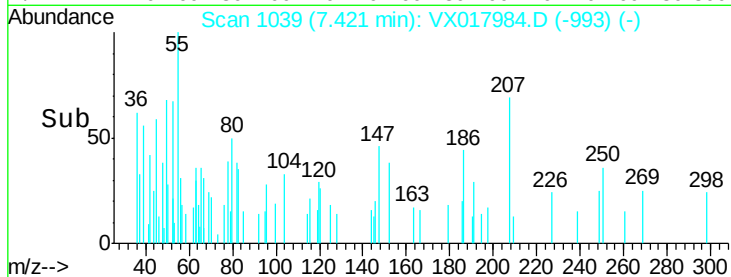
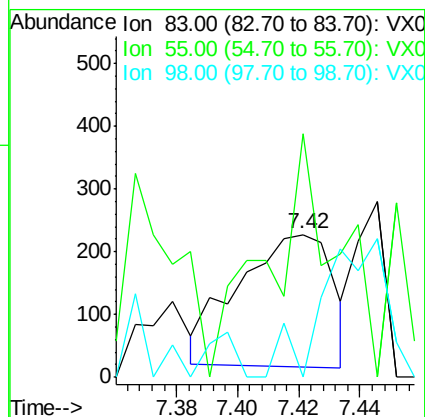
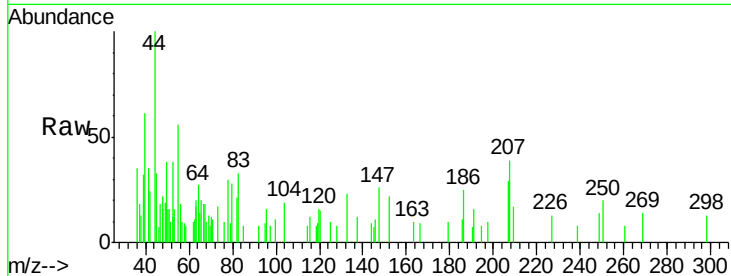
Tgt Ion: 83 Resp: 452

Ion Ratio Lower Upper

83 100

55 117.9 64.5 96.7#

98 0.0 39.0 58.6#



#42

1,2-Dichloroethane

Concen: 0.272 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX017984.D

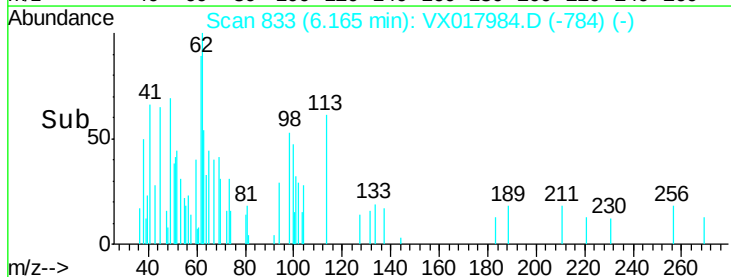
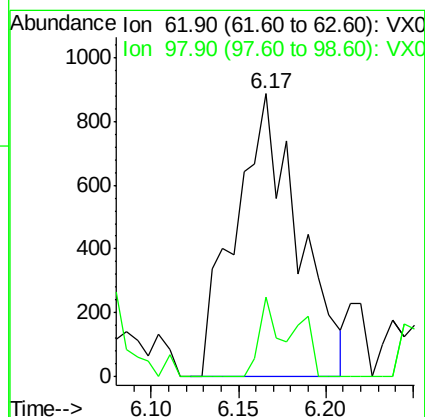
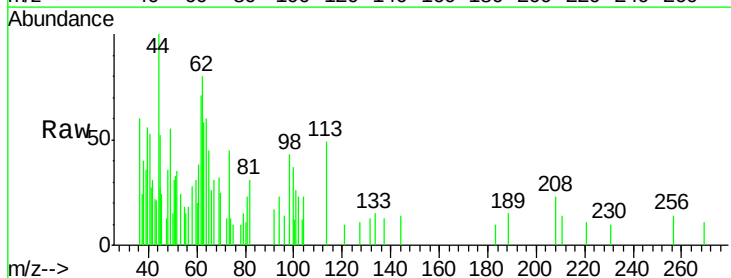
Acq: 19 Aug 2020 14:55

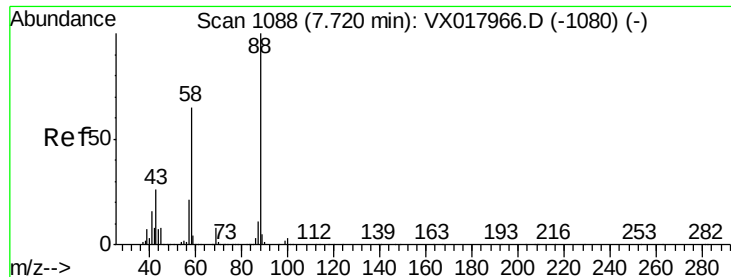
Tgt Ion: 62 Resp: 2202

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.2





#49

1,4-Dioxane

Concen: 0.862 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.02 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-298-300

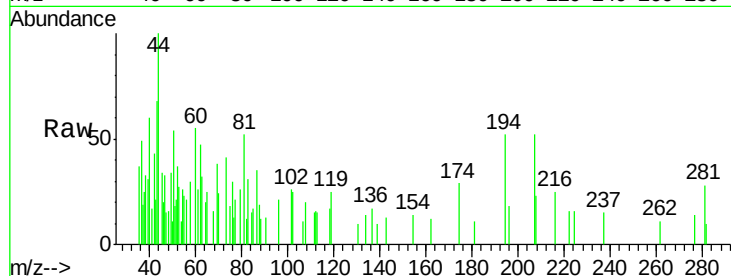
Tgt Ion: 88 Resp: 107

Ion Ratio Lower Upper

88 100

43 298.1 27.3 40.9#

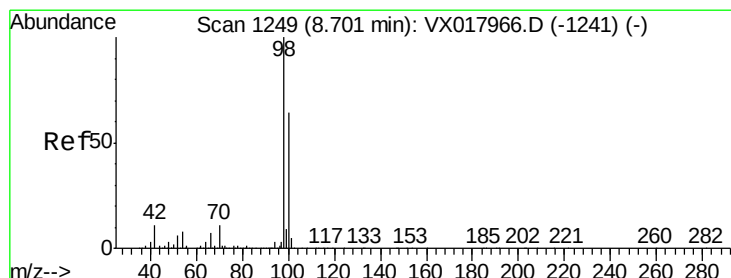
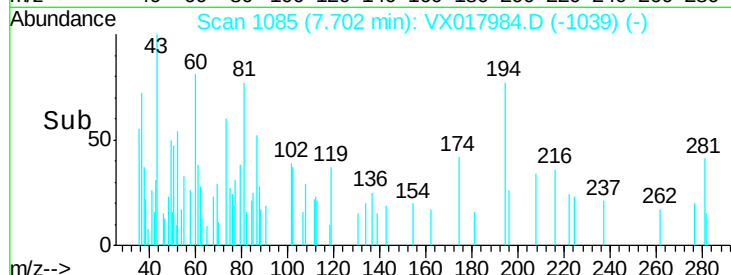
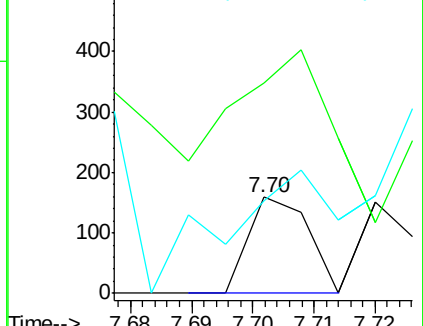
58 114.0 57.7 86.5#



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: 42.248 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX017984.D

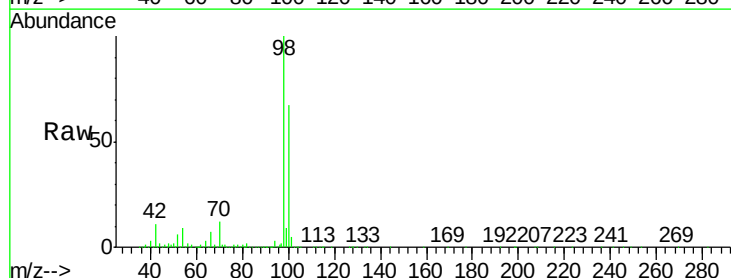
Acq: 19 Aug 2020 14:55

Tgt Ion: 98 Resp: 841012

Ion Ratio Lower Upper

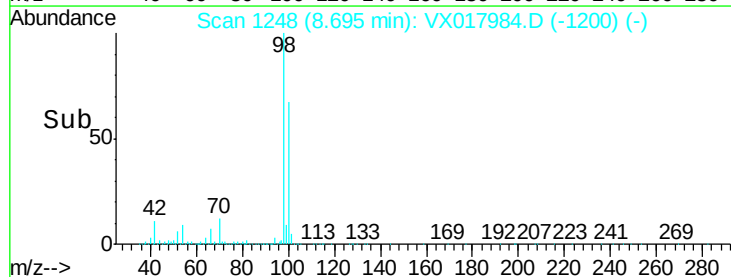
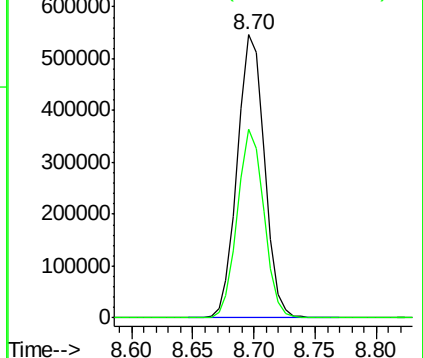
98 100

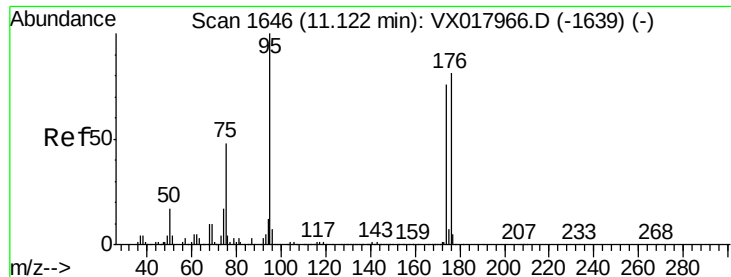
100 65.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 40.818 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017984.D

Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-298-300

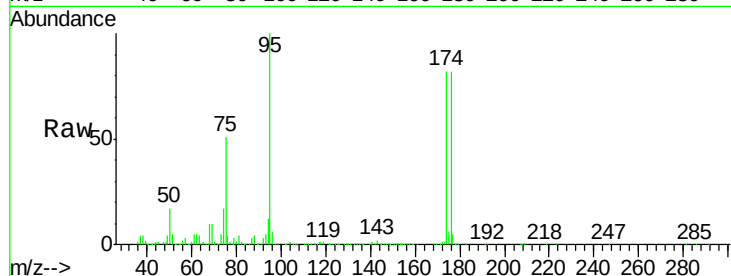
Tgt Ion: 95 Resp: 300104

Ion Ratio Lower Upper

95 100

174 84.0 0.0 166.0

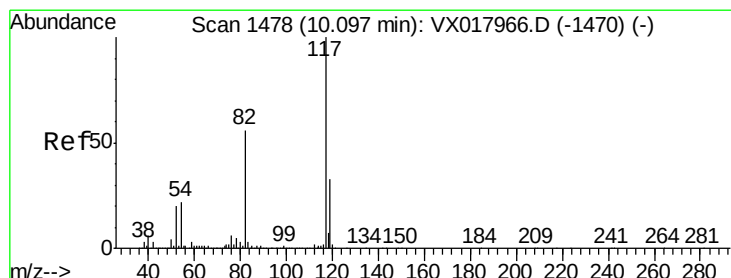
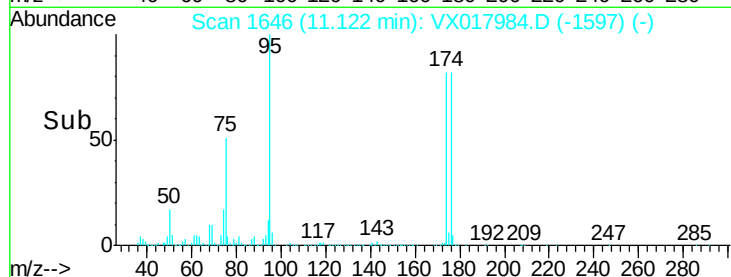
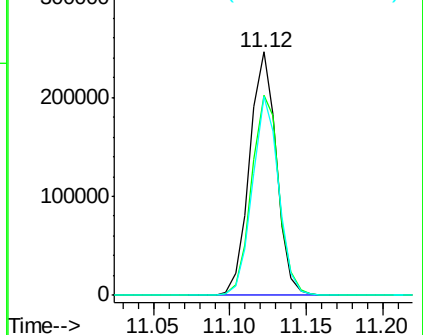
176 80.3 0.0 161.0



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: VX017984.D

Acq: 19 Aug 2020 14:55

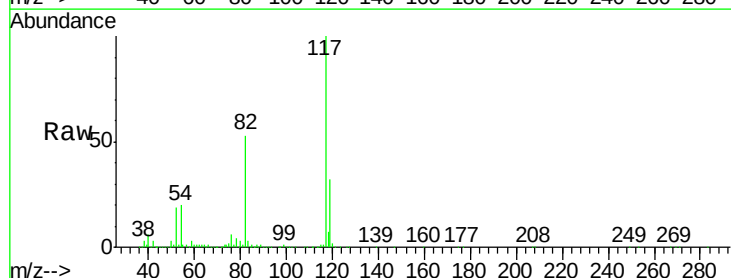
Tgt Ion: 117 Resp: 642640

Ion Ratio Lower Upper

117 100

82 53.0 44.6 66.8

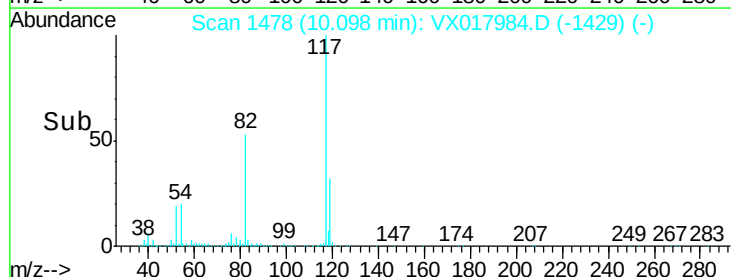
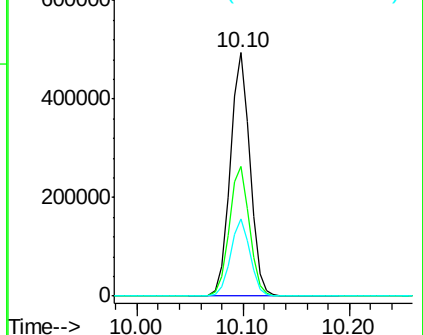
119 31.7 26.2 39.4

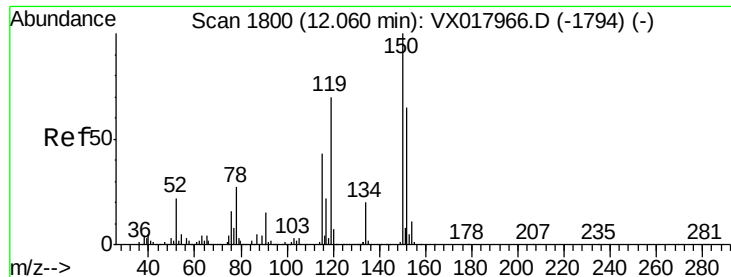


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX017984.D

Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-298-300

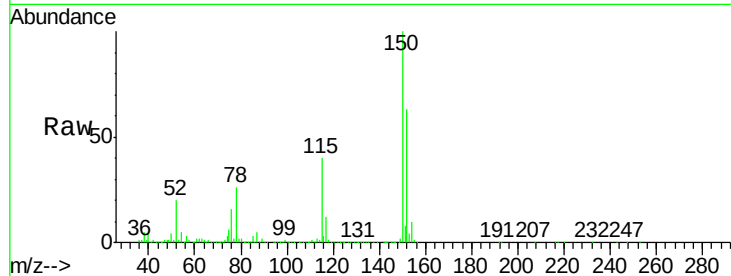
Tgt Ion: 152 Resp: 329456

Ion Ratio Lower Upper

152 100

115 58.5 40.6 121.7

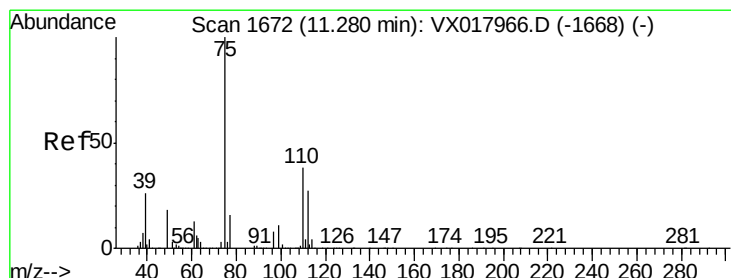
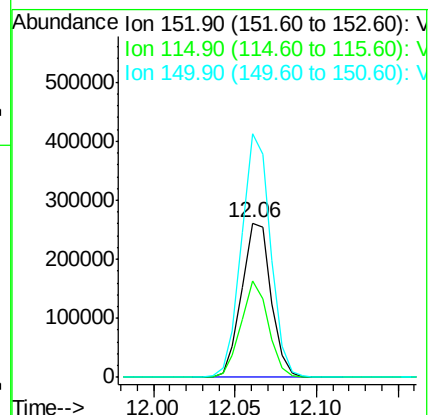
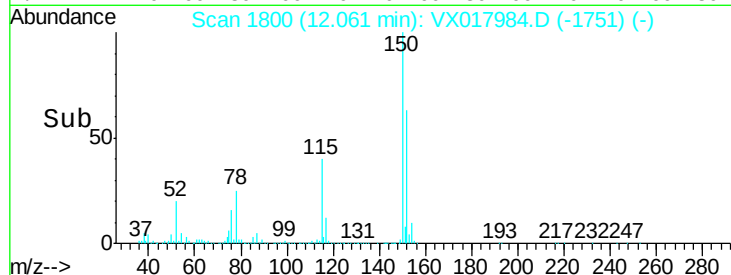
150 155.2 0.0 346.4



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: 21.540 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017984.D

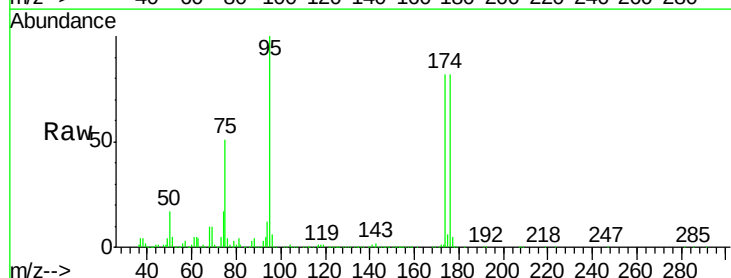
Acq: 19 Aug 2020 14:55

Tgt Ion: 75 Resp: 150919

Ion Ratio Lower Upper

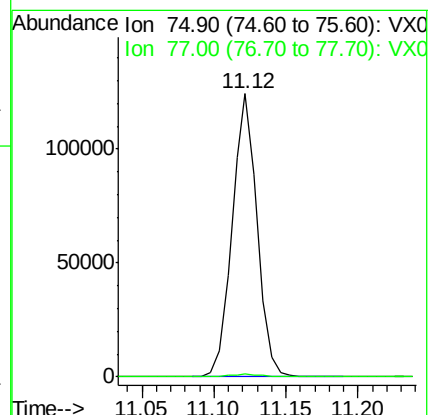
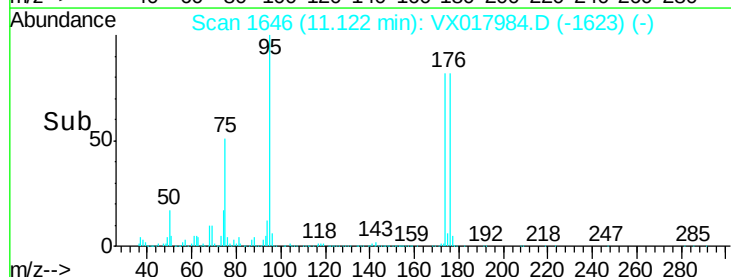
75 100

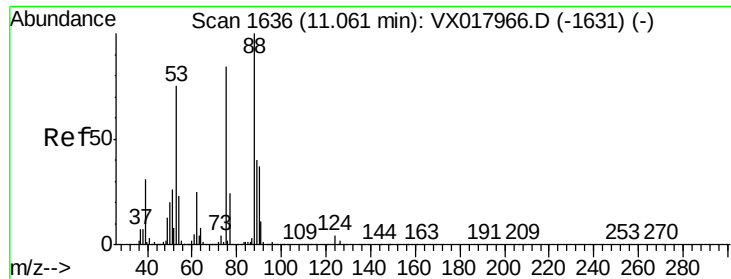
77 1.3 21.1 63.1#



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: 56.589 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017984.D

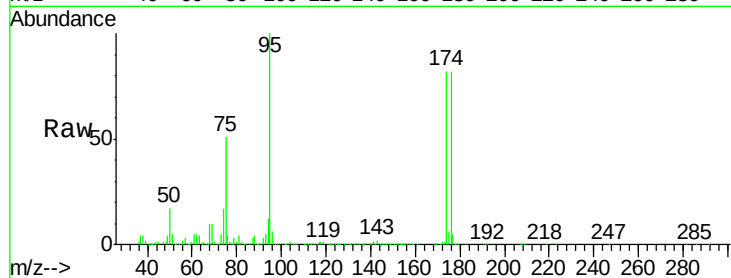
Acq: 19 Aug 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-298-300



Tgt Ion:	75	Resp:	150919
Ion	Ratio	Lower	Upper
75	100		
53	0.6	75.2	112.8#
89	0.1	38.4	57.6#

