

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081920\
 Data File : VX017976.D
 Acq On : 19 Aug 2020 11:54
 Operator : JC/SP
 Sample : L3717-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-758-760

Quant Time: Aug 19 13:19:57 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

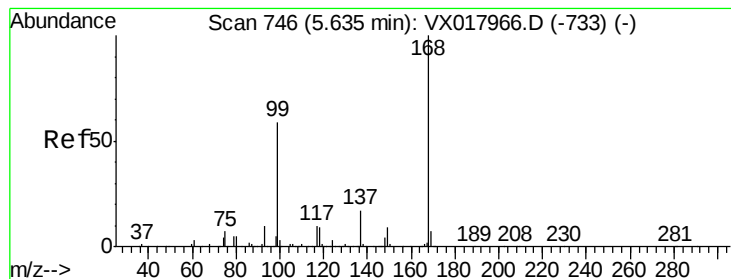
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	491003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	750112	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	675273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	306373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	320773	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	
35) Dibromofluoromethane	5.47	113	261270	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	8.70	98	905864	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
62) 4-Bromofluorobenzene	11.12	95	313967	43.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	433	1.046	ug/l #	67
3) Chloromethane	1.31	50	1568	0.234	ug/l #	56
4) Vinyl Chloride	1.40	62	885	2.381	ug/l #	65
5) Bromomethane	1.64	94	889	0.237	ug/l	87
8) Diethyl Ether	2.17	74	720	0.240	ug/l	60
11) Tert butyl alcohol	3.01	59	1541	1.109	ug/l #	10
13) Acrolein	2.27	56	754	1.027	ug/l #	50
16) Acetone	2.42	43	20165	7.121	ug/l	92
17) Carbon Disulfide	2.56	76	3249	0.303	ug/l #	84
20) Methylene Chloride	2.84	84	1968	0.377	ug/l #	86
25) 2-Butanone	4.65	43	6064	1.415	ug/l	90
36) 1,1-Dichloropropene	5.63	75	35319	5.625	ug/l #	52
38) Carbon Tetrachloride	5.64	117	50676	6.237	ug/l #	16
39) Methylcyclohexane	7.43	83	939	0.928	ug/l #	28
42) 1,2-Dichloroethane	6.15	62	2210	0.275	ug/l	86
49) 1,4-Dioxane	7.72	88	528	4.290	ug/l #	69
51) 4-Methyl-2-Pentanone	8.63	43	2321	0.284	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	160038	24.563	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	160038	64.529	ug/l #	12

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081920\
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Acq On    : 19 Aug 2020   11:54
Operator  : JC/SP
Sample    : L3717-03
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 7   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

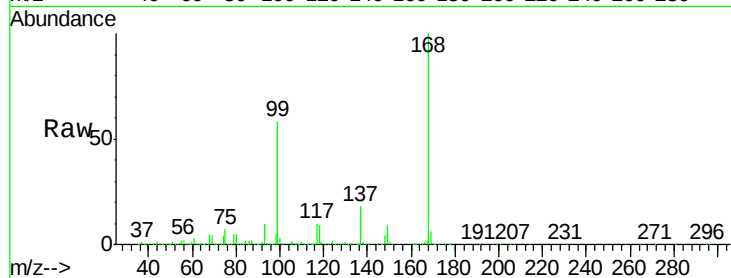
BP-VPB179-GW-758-760

Tgt Ion:168 Resp: 491003

Ion Ratio Lower Upper

168 100

99 58.2 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

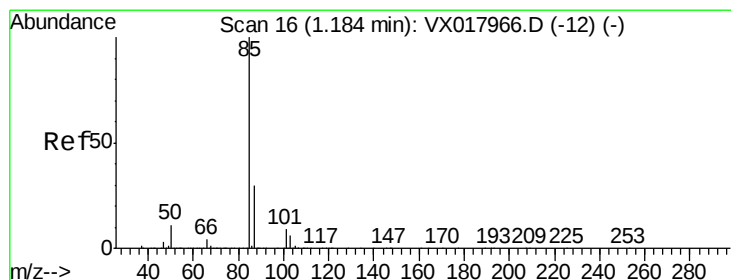
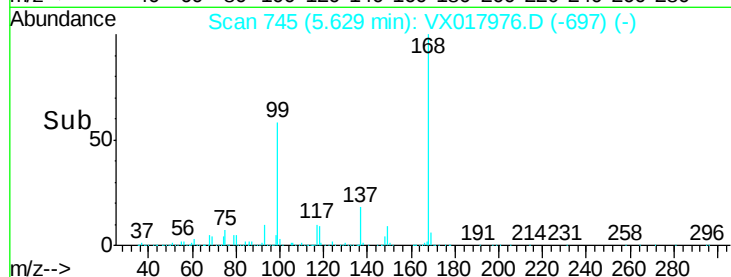
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.046 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017976.D

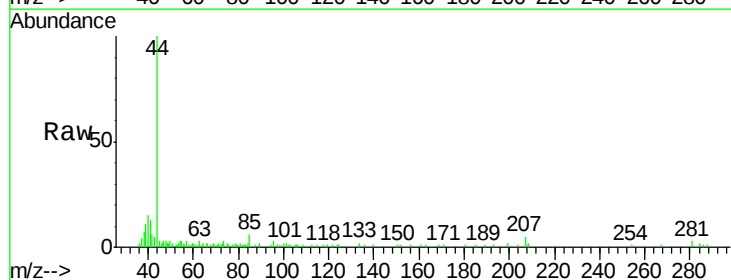
Acq: 19 Aug 2020 11:54

Tgt Ion: 85 Resp: 433

Ion Ratio Lower Upper

85 100

87 12.3 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

500

400

300

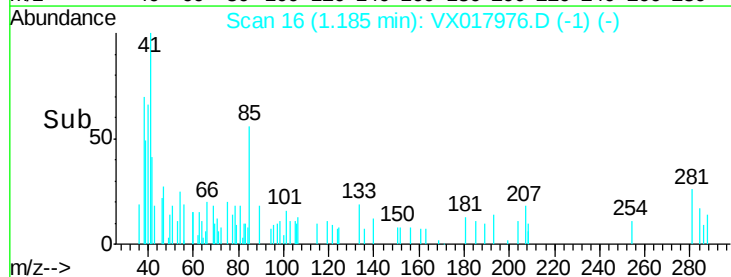
200

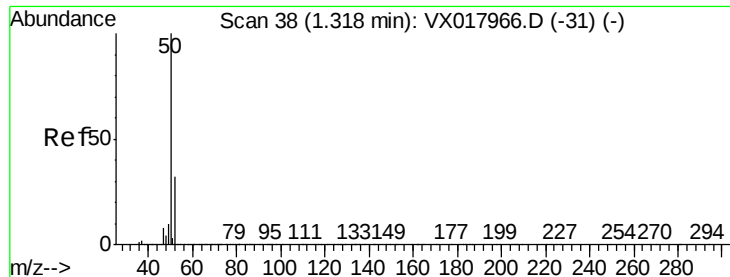
100

0

Time-->

1.15 1.20





#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

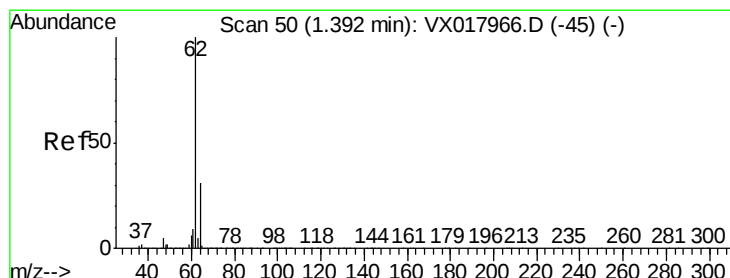
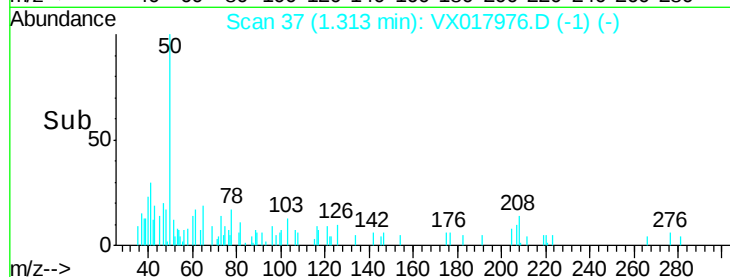
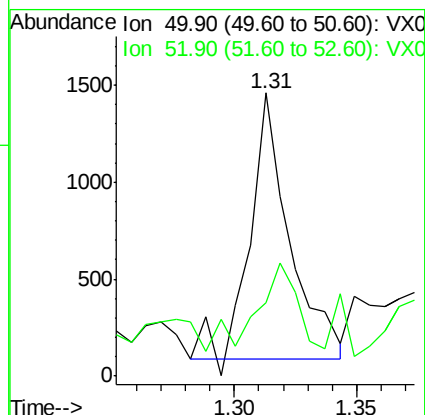
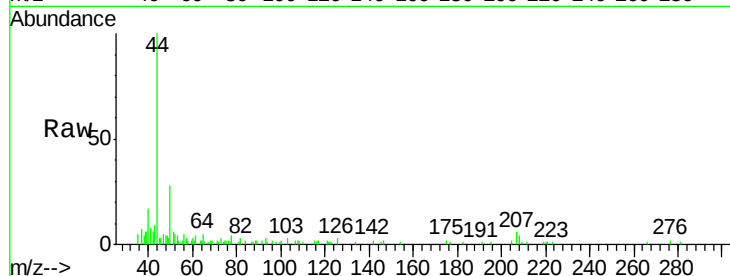
BP-VPB179-GW-758-760

Tgt Ion: 50 Resp: 1568

Ion Ratio Lower Upper

50 100

52 7.3 25.4 38.0#



#4

Vinyl Chloride

Concen: 2.381 ug/l

RT: 1.40 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX017976.D

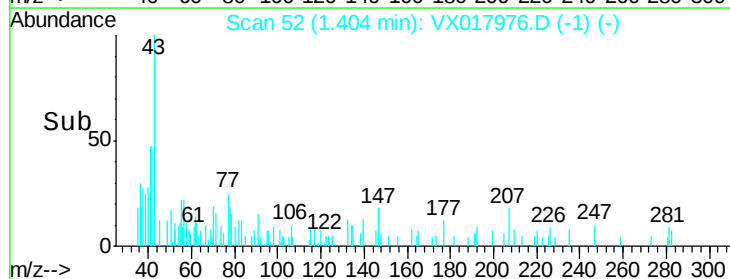
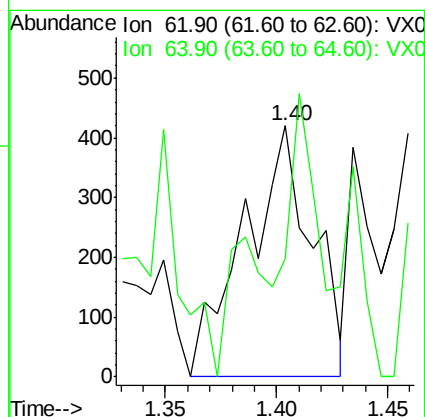
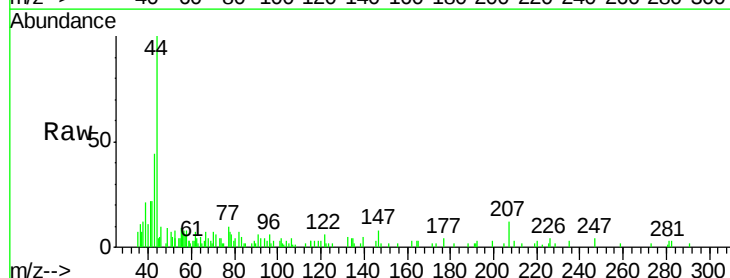
Acq: 19 Aug 2020 11:54

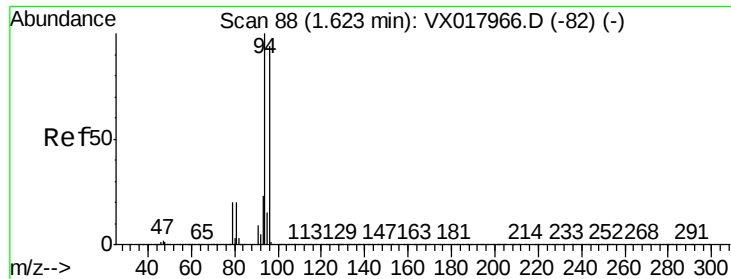
Tgt Ion: 62 Resp: 885

Ion Ratio Lower Upper

62 100

64 11.4 24.7 37.1#





#5

Bromomethane

Concen: 0.237 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

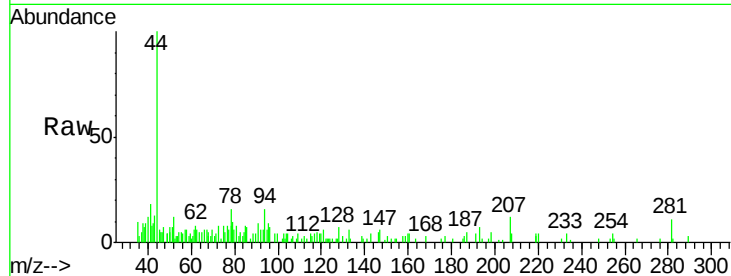
BP-VPB179-GW-758-760

Tgt Ion: 94 Resp: 889

Ion Ratio Lower Upper

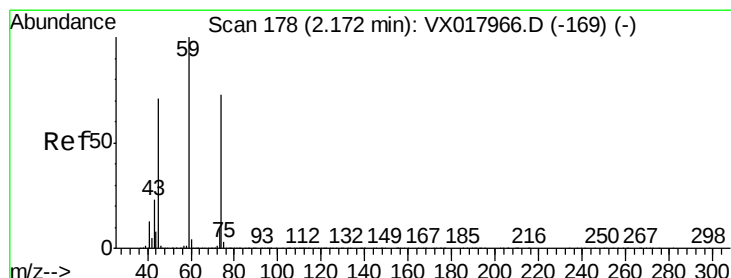
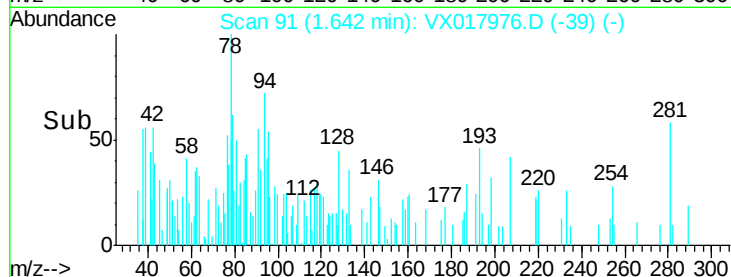
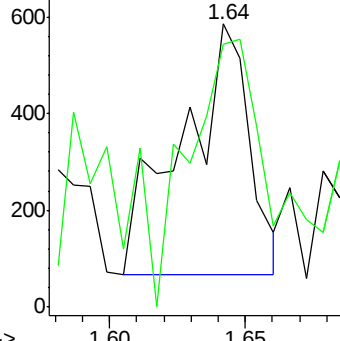
94 100

96 82.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.240 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VX017976.D

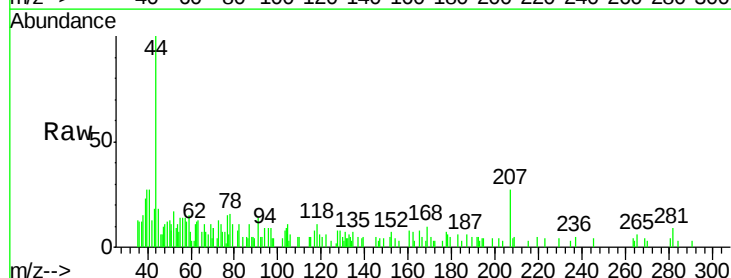
Acq: 19 Aug 2020 11:54

Tgt Ion: 74 Resp: 720

Ion Ratio Lower Upper

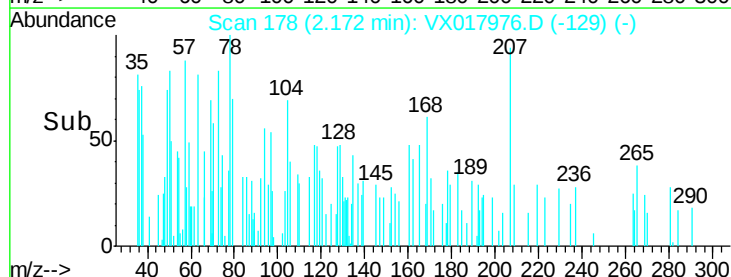
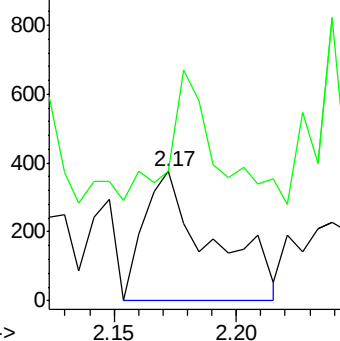
74 100

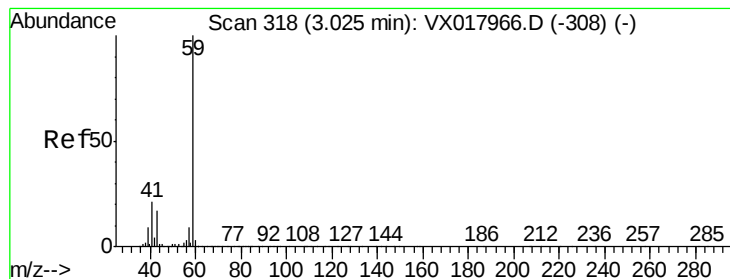
45 61.3 50.5 151.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



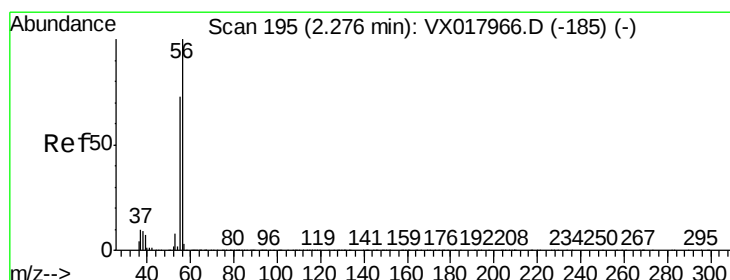
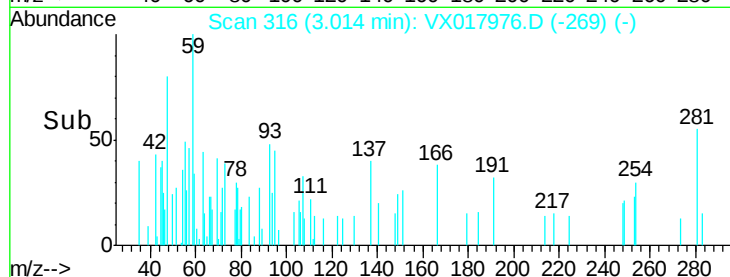
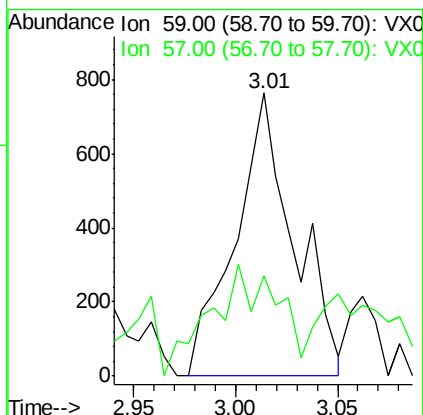
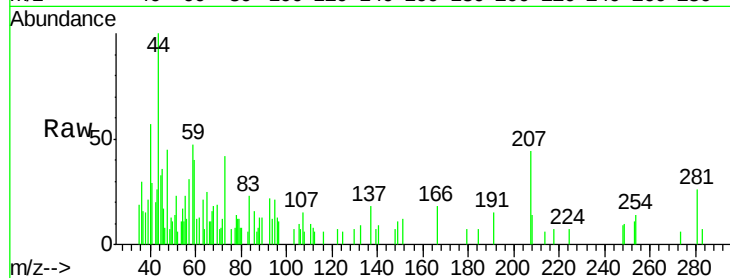


#11

Tert butyl alcohol
 Concen: 1.109 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX017976.D
 Acq: 19 Aug 2020 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-758-760

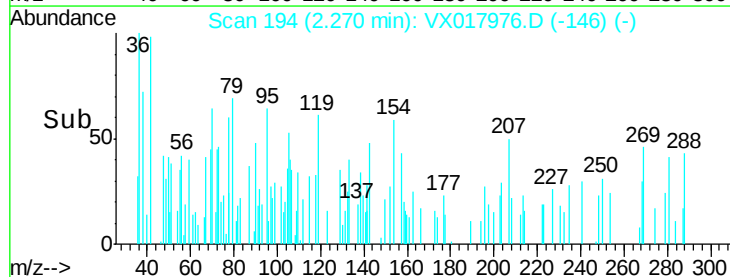
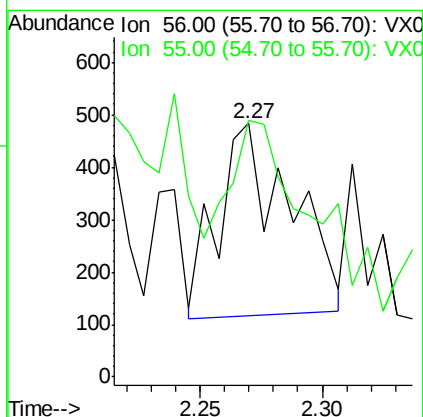
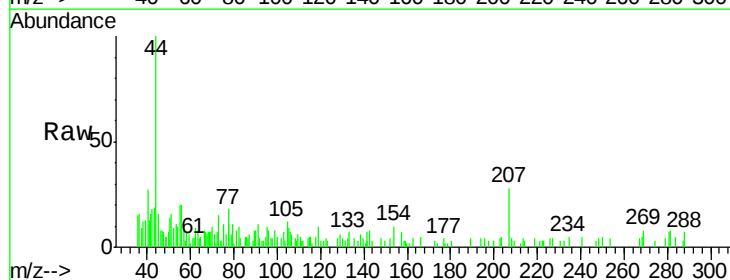
Tgt Ion: 59 Resp: 1541
 Ion Ratio Lower Upper
 59 100
 57 44.6 8.6 13.0#

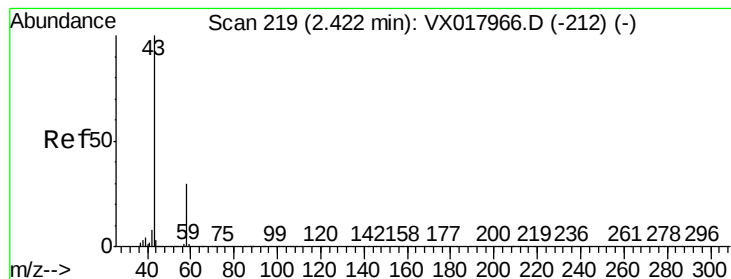


#13

Acrolein
 Concen: 1.027 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX017976.D
 Acq: 19 Aug 2020 11:54

Tgt Ion: 56 Resp: 754
 Ion Ratio Lower Upper
 56 100
 55 114.3 58.2 87.4#





#16

Acetone

Concen: 7.121 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

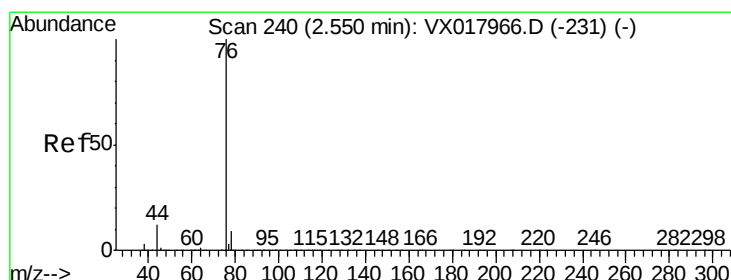
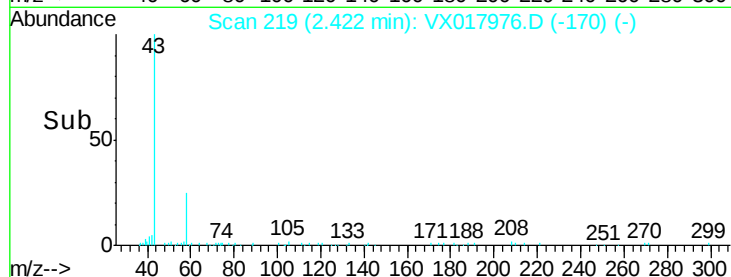
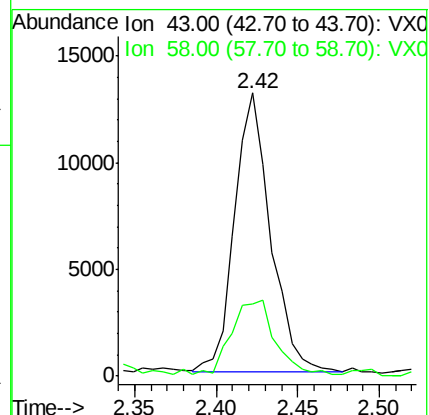
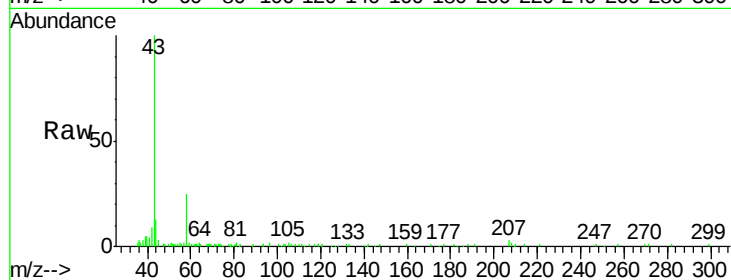
BP-VPB179-GW-758-760

Tgt Ion: 43 Resp: 20165

Ion Ratio Lower Upper

43 100

58 25.3 23.8 35.8



#17

Carbon Disulfide

Concen: 0.303 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017976.D

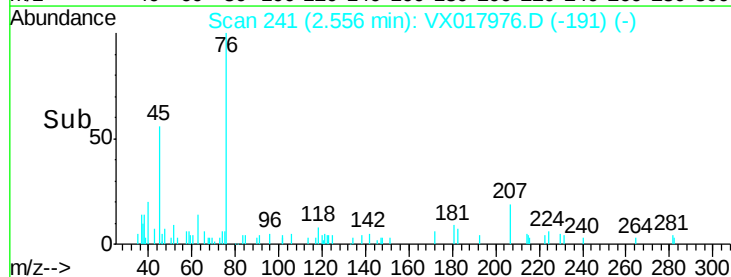
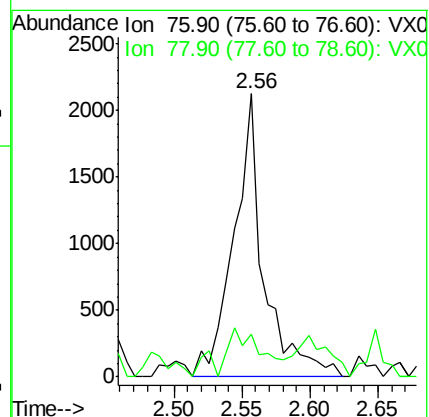
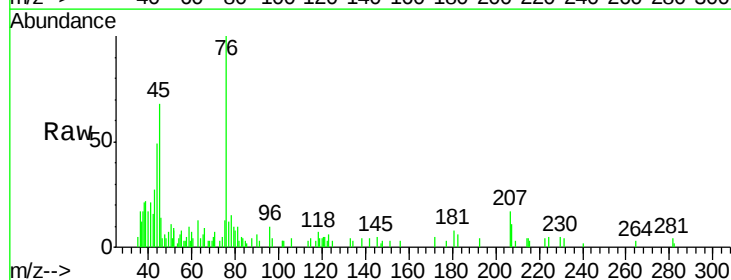
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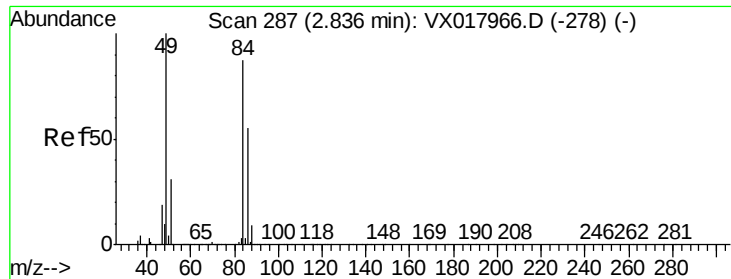
Tgt Ion: 76 Resp: 3249

Ion Ratio Lower Upper

76 100

78 15.1 7.3 10.9#

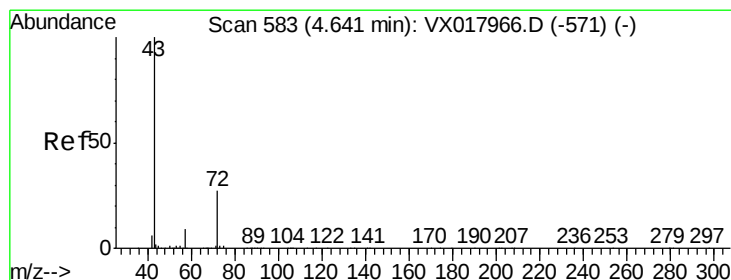
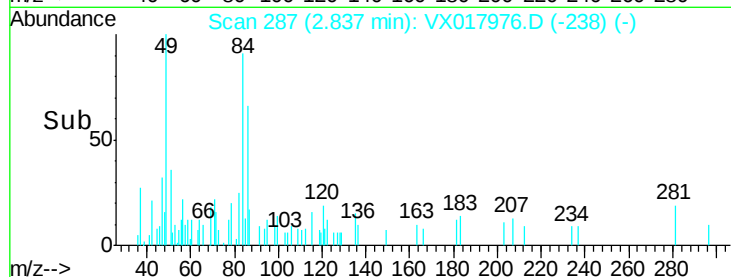
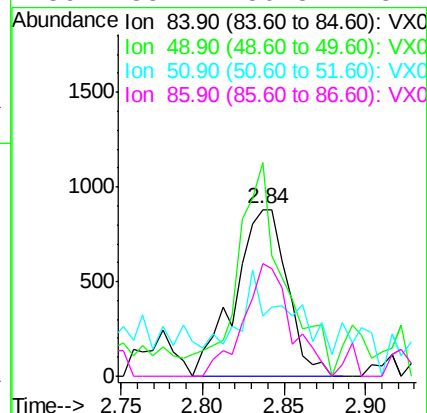
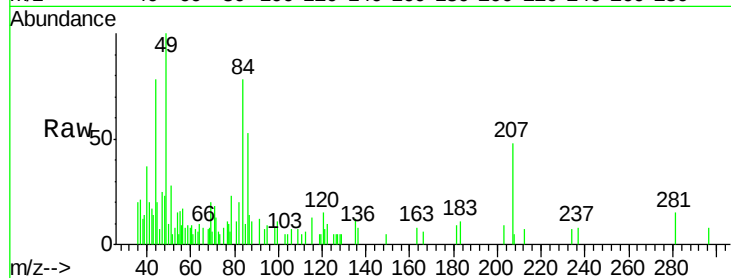




#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017976.D
Acq: 19 Aug 2020 11:54

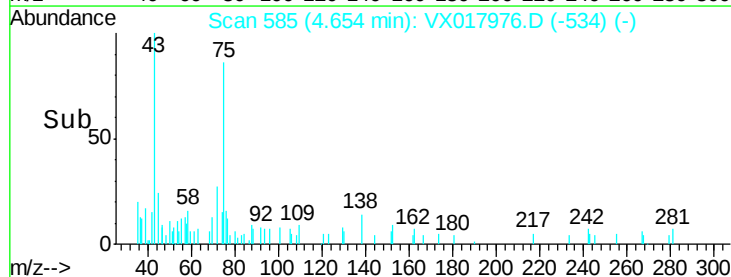
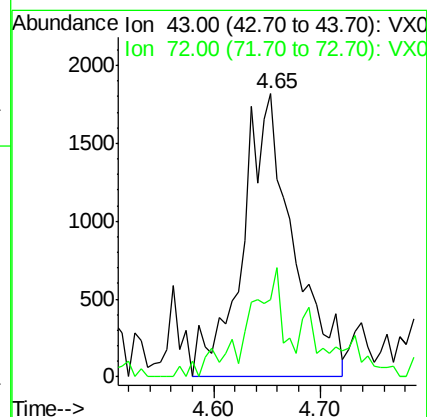
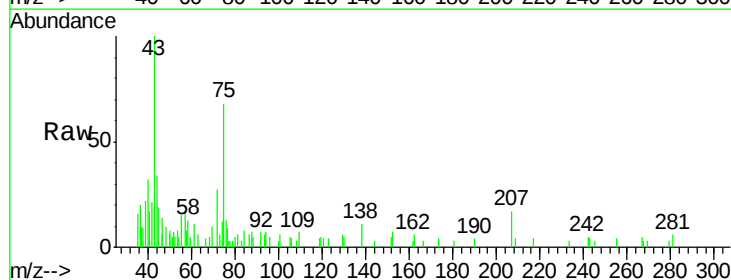
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-758-760

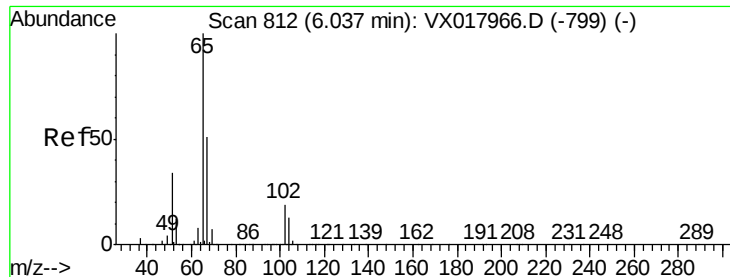
Tgt Ion: 84 Resp: 1968
Ion Ratio Lower Upper
84 100
49 114.6 91.8 137.6
51 15.2 27.8 41.8#
86 85.1 50.5 75.7#



#25
2-Butanone
Concen: 1.415 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017976.D
Acq: 19 Aug 2020 11:54

Tgt Ion: 43 Resp: 6064
Ion Ratio Lower Upper
43 100
72 21.6 21.4 32.2





#33

1,2-Dichloroethane-d4

Concen: 44.566 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

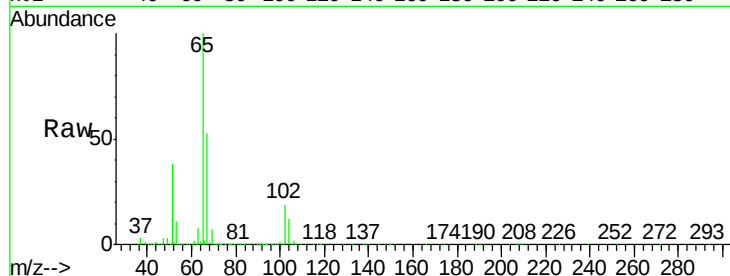
BP-VPB179-GW-758-760

Tgt Ion: 65 Resp: 320773

Ion Ratio Lower Upper

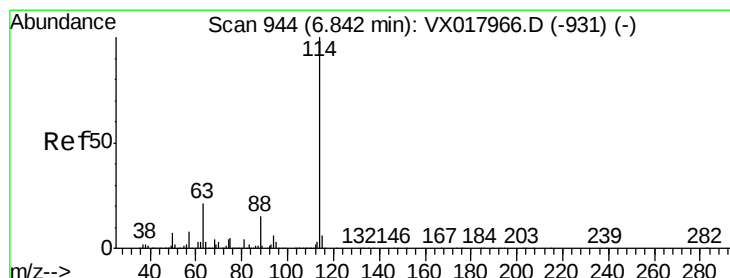
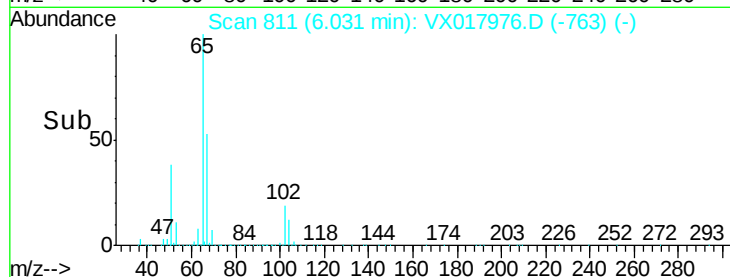
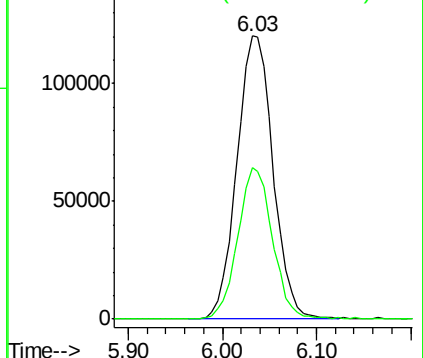
65 100

67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

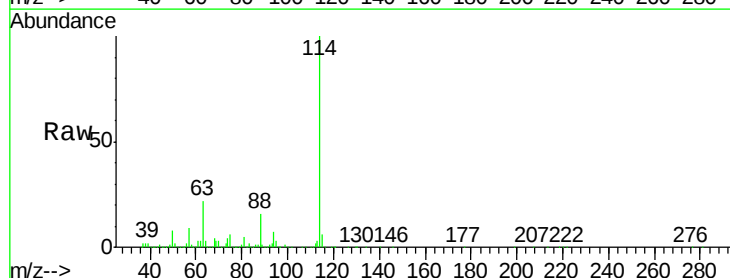
Tgt Ion: 114 Resp: 750112

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

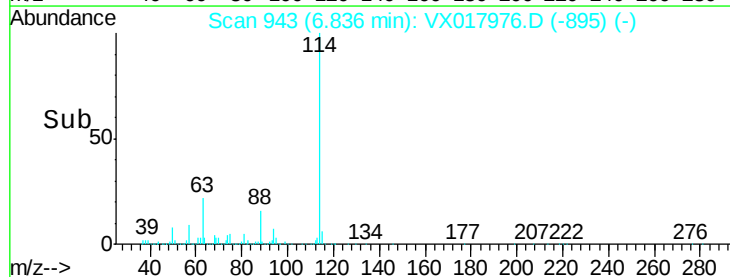
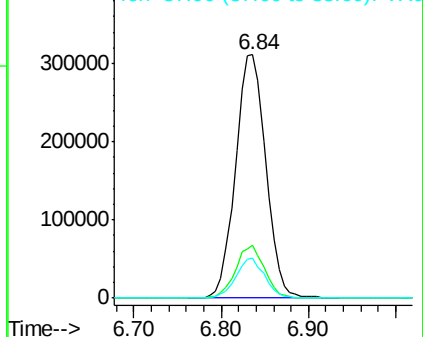
88 16.3 0.0 30.2

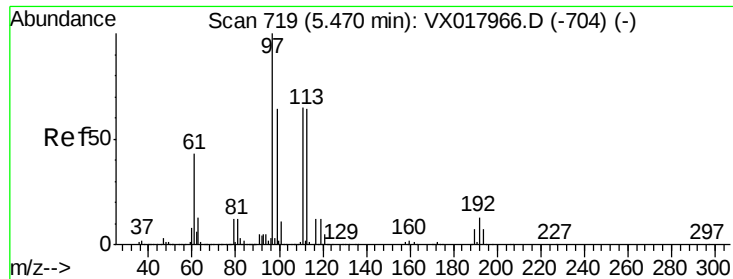


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

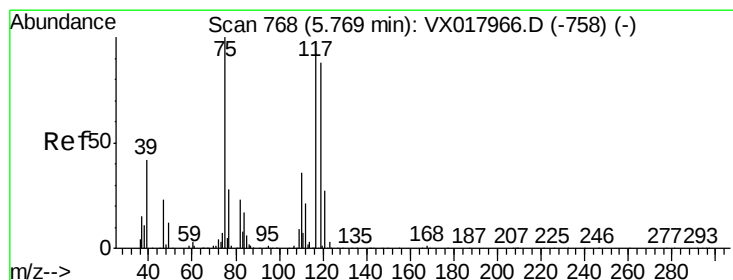
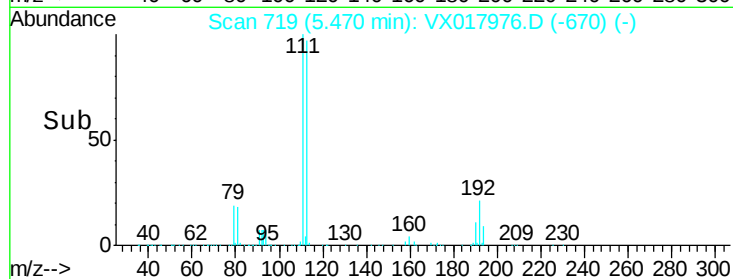
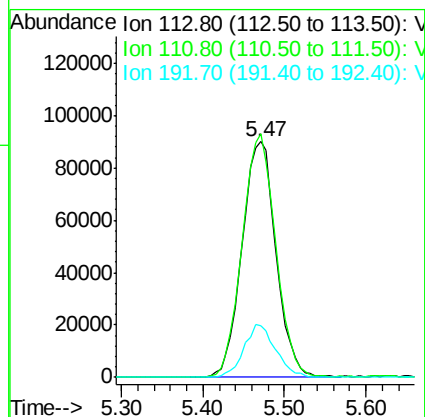
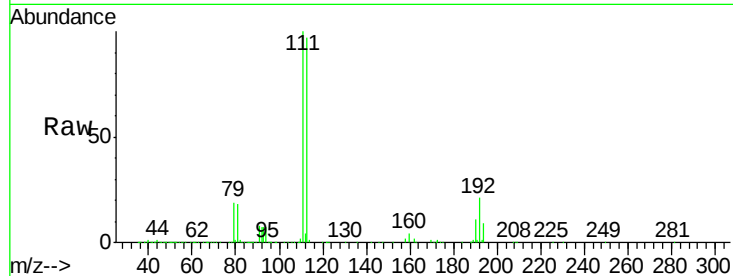




#35
 Dibromofluoromethane
 Concen: 46.773 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX017976.D
 Acq: 19 Aug 2020 11:54

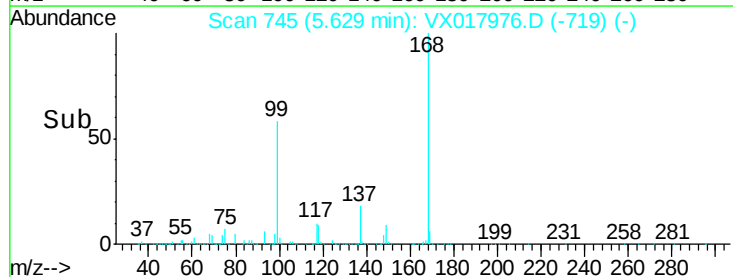
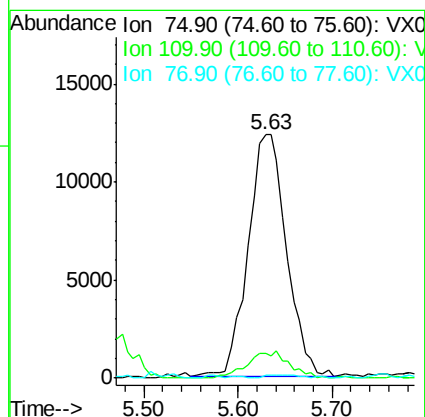
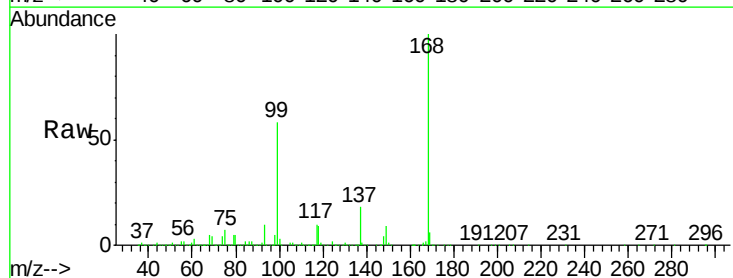
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-758-760

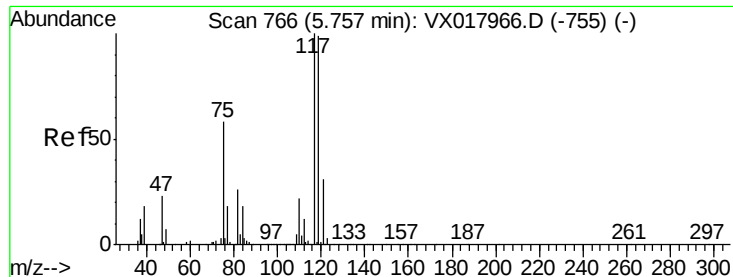
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.5	125.3
192	20.9	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 5.625 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017976.D
 Acq: 19 Aug 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	18.7	56.1#
77	0.6	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.237 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-758-760

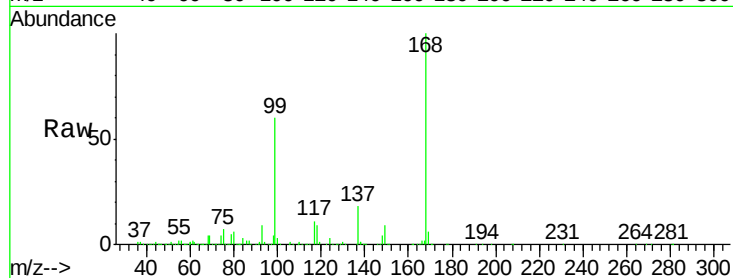
Tgt Ion: 117 Resp: 50676

Ion Ratio Lower Upper

117 100

119 6.9 79.0 118.6#

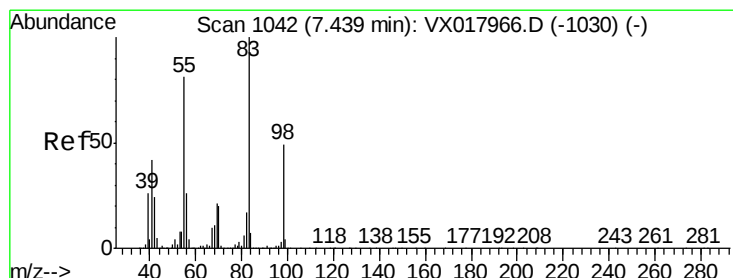
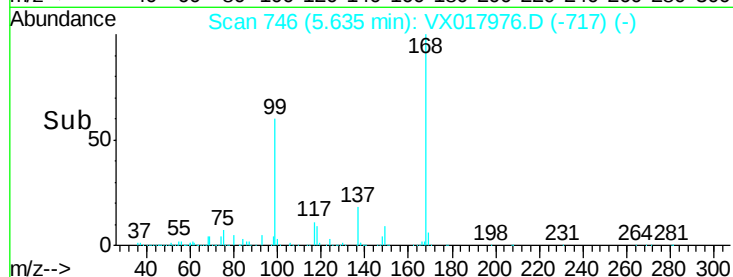
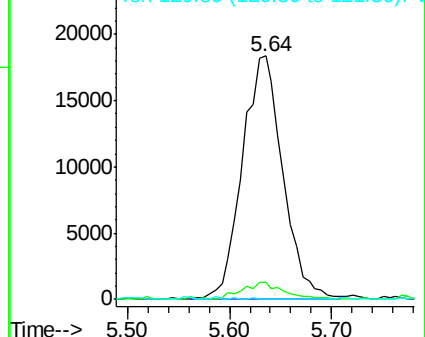
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.928 ug/l

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

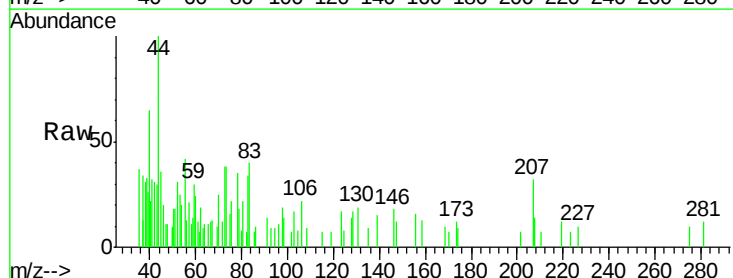
Tgt Ion: 83 Resp: 939

Ion Ratio Lower Upper

83 100

55 1.1 64.5 96.7#

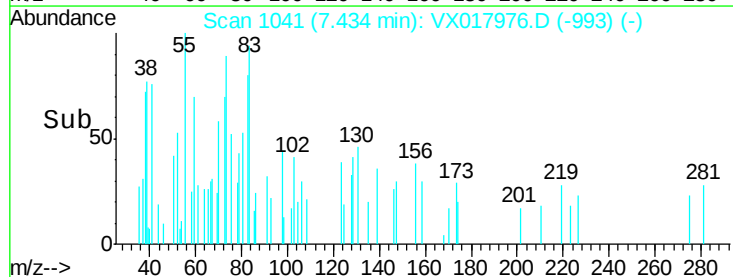
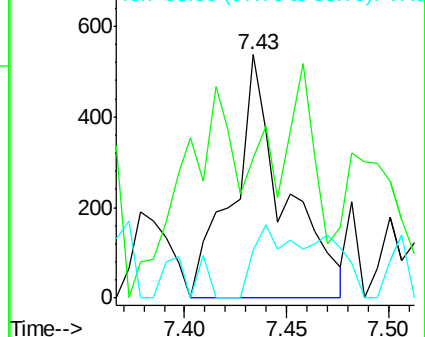
98 19.6 39.0 58.6#

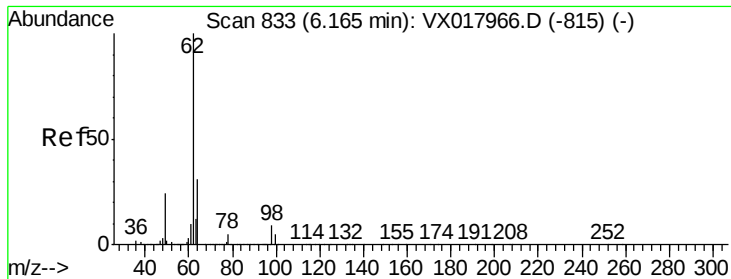


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#42

1,2-Dichloroethane

Concen: 0.275 ug/l

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

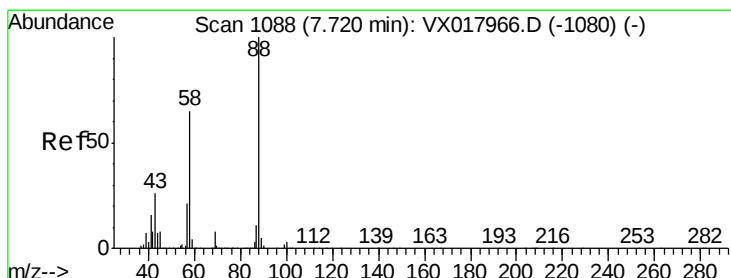
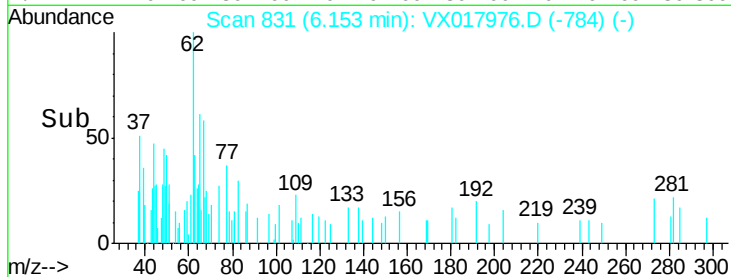
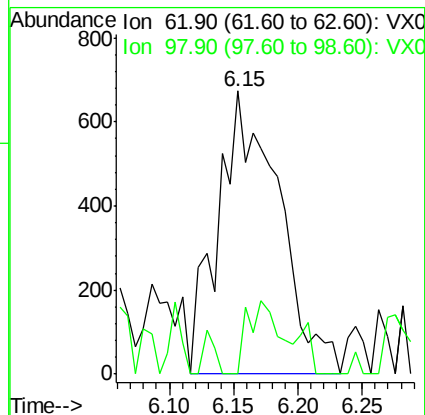
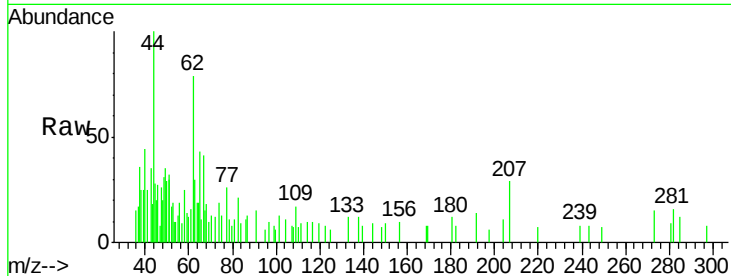
BP-VPB179-GW-758-760

Tgt Ion: 62 Resp: 2210

Ion Ratio Lower Upper

62 100

98 13.6 0.0 17.2



#49

1,4-Dioxane

Concen: 4.290 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

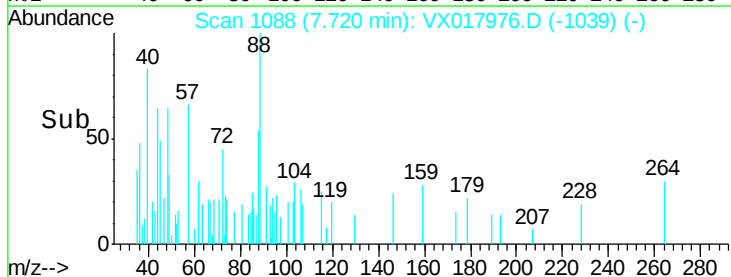
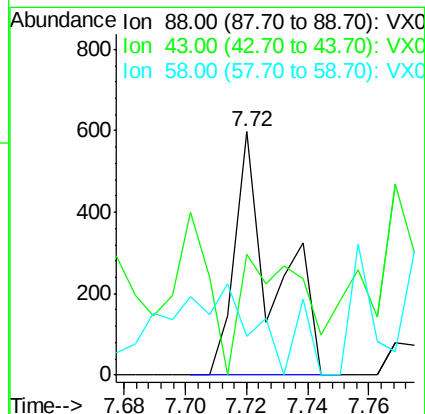
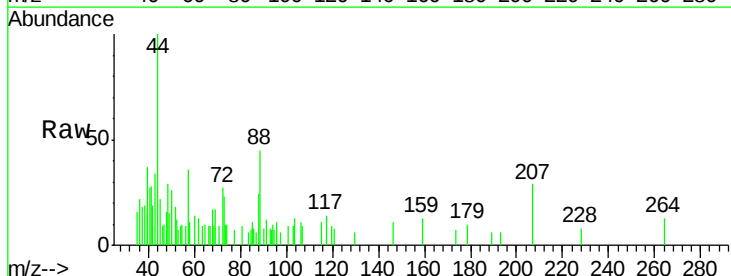
Tgt Ion: 88 Resp: 528

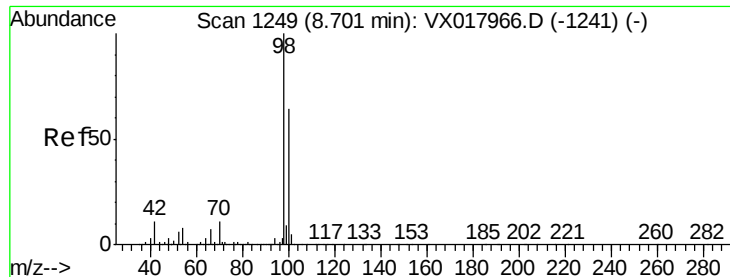
Ion Ratio Lower Upper

88 100

43 77.8 27.3 40.9#

58 80.7 57.7 86.5





#50

Toluene-d8

Concen: 45.878 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

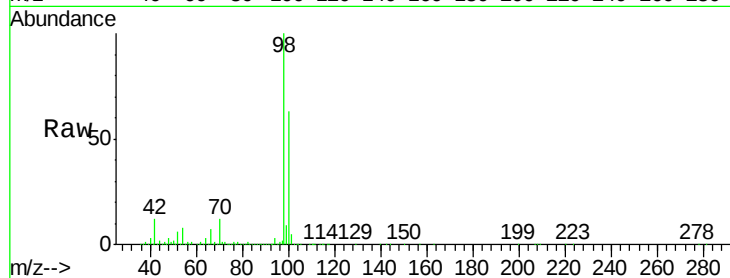
BP-VPB179-GW-758-760

Tgt Ion: 98 Resp: 905864

Ion Ratio Lower Upper

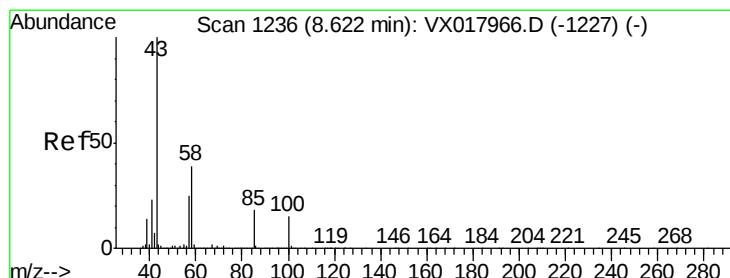
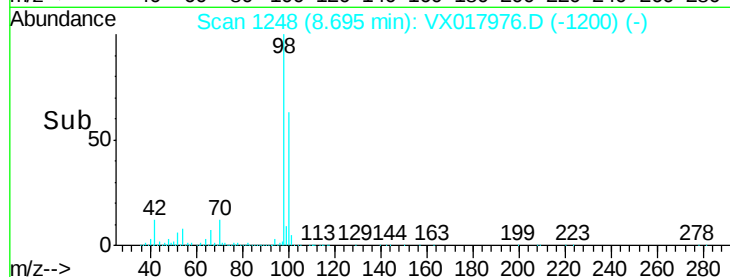
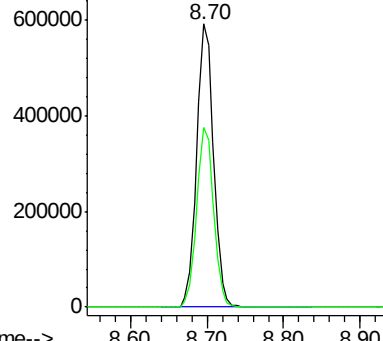
98 100

100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.284 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX017976.D

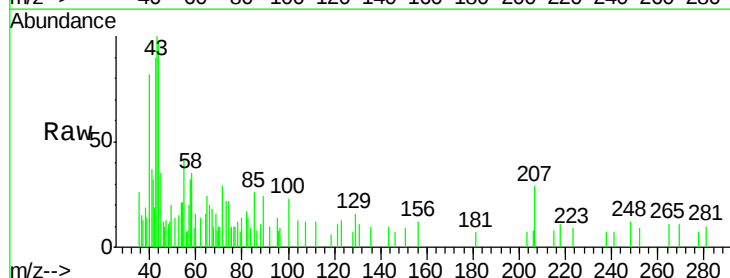
Acq: 19 Aug 2020 11:54

Tgt Ion: 43 Resp: 2321

Ion Ratio Lower Upper

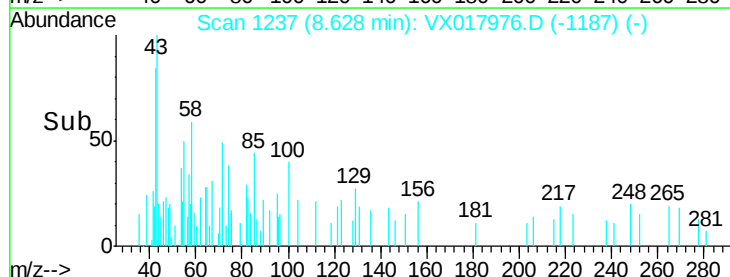
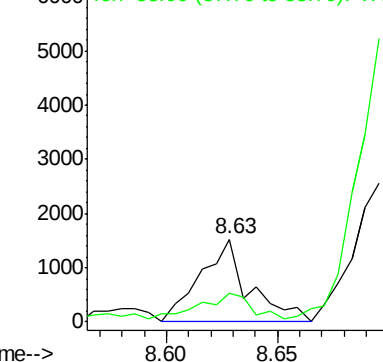
43 100

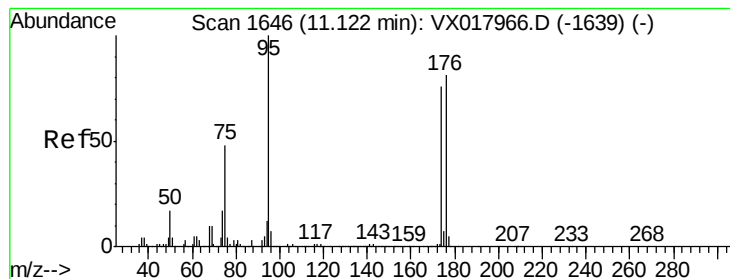
58 33.3 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.052 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-758-760

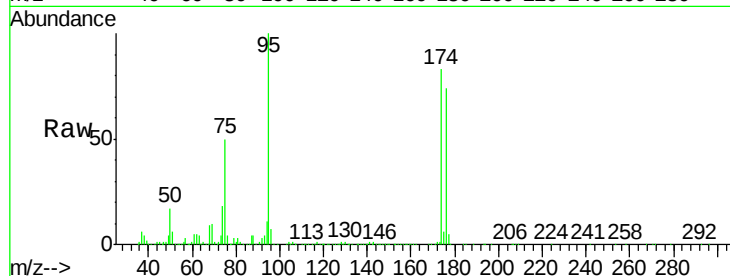
Tgt Ion: 95 Resp: 313967

Ion Ratio Lower Upper

95 100

174 80.6 0.0 166.0

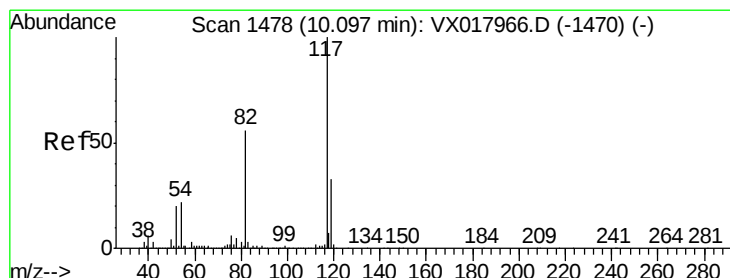
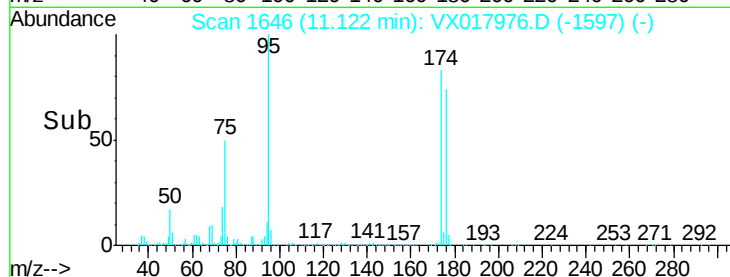
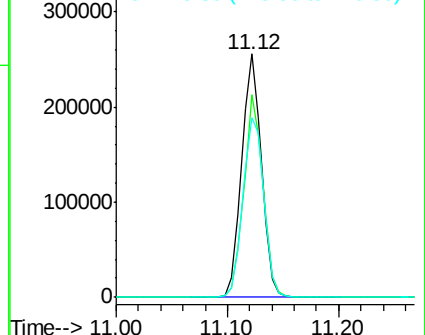
176 77.9 0.0 161.0



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: VX017976.D

Acq: 19 Aug 2020 11:54

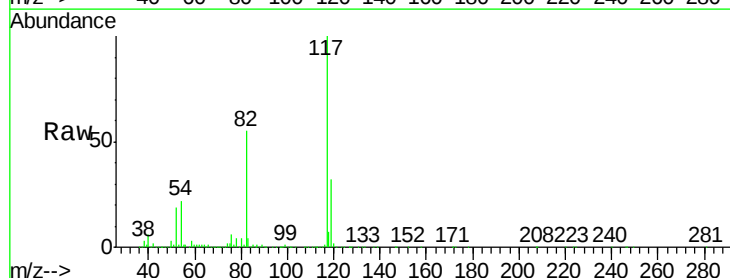
Tgt Ion: 117 Resp: 675273

Ion Ratio Lower Upper

117 100

82 55.2 44.6 66.8

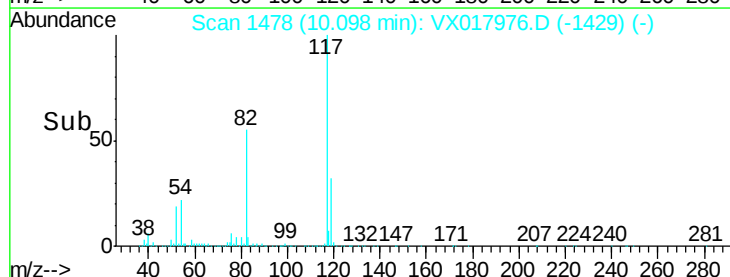
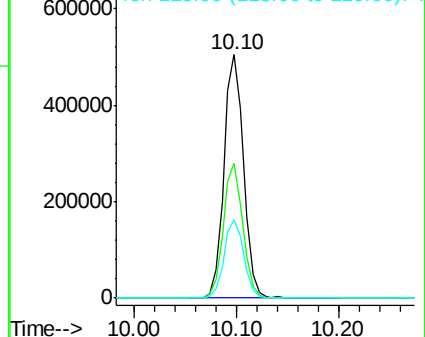
119 32.4 26.2 39.4

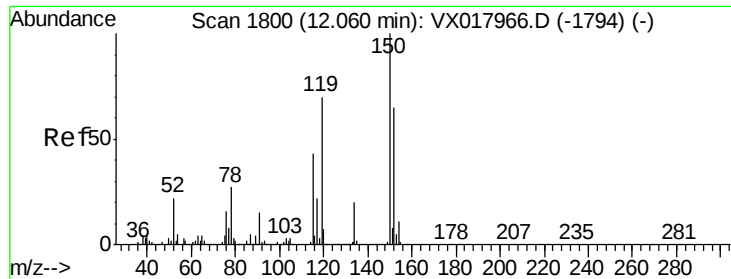


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX017976.D

Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-758-760

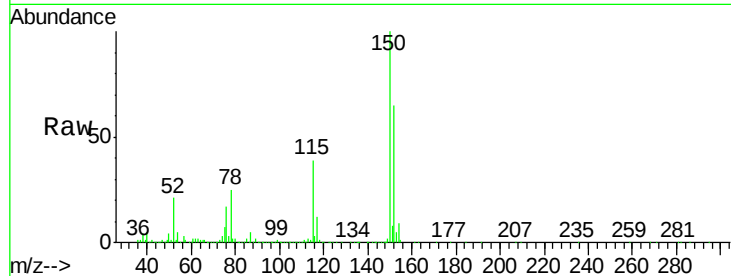
Tgt Ion: 152 Resp: 306373

Ion Ratio Lower Upper

152 100

115 57.5 40.6 121.7

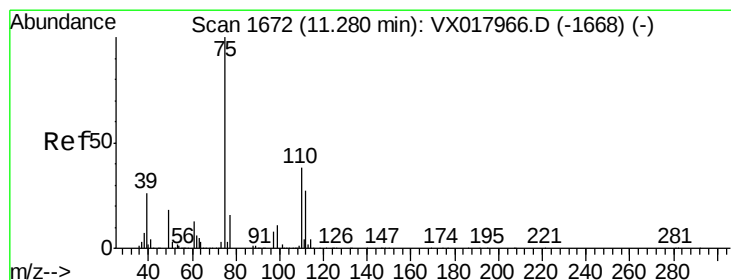
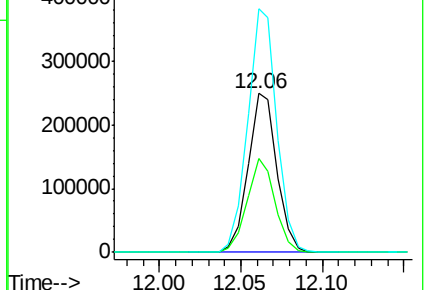
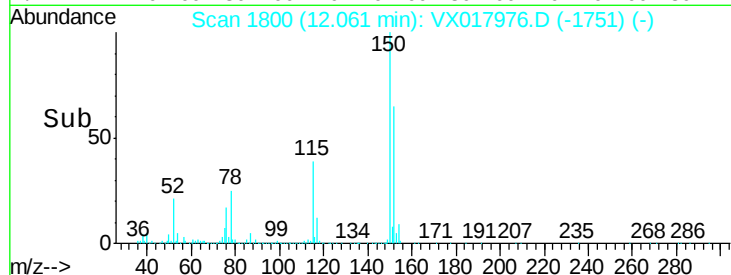
150 154.8 0.0 346.4



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: 24.563 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017976.D

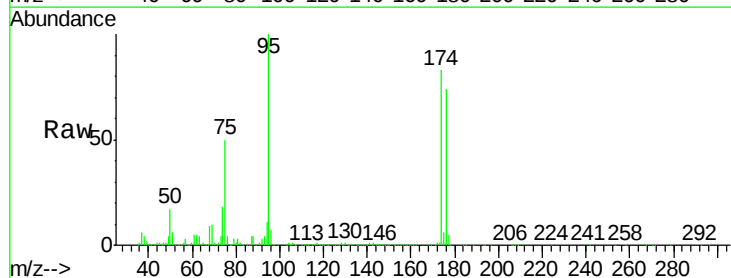
Acq: 19 Aug 2020 11:54

Tgt Ion: 75 Resp: 160038

Ion Ratio Lower Upper

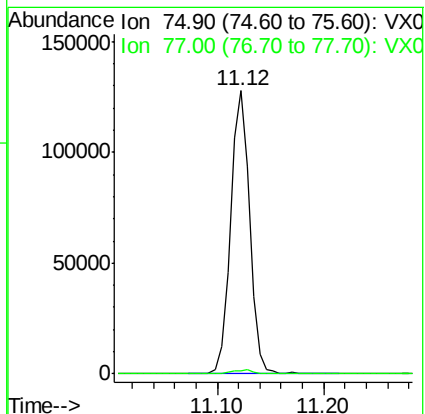
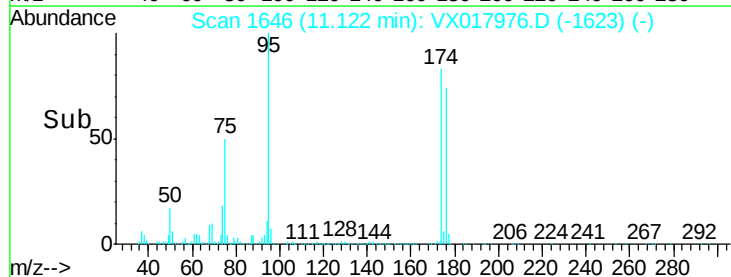
75 100

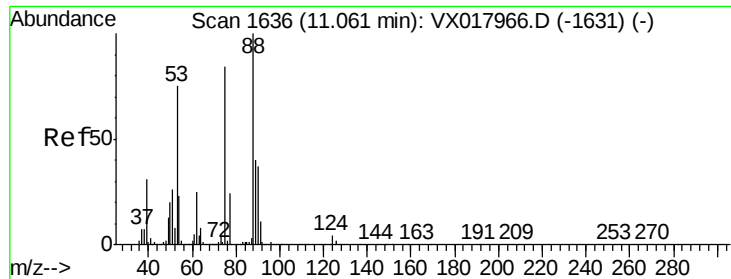
77 1.6 21.1 63.1#



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: 64.529 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017976.D

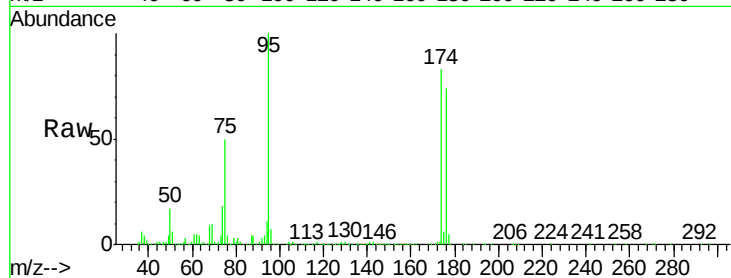
Acq: 19 Aug 2020 11:54

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-758-760



Tgt Ion:	75	Resp:	160038
Ion	Ratio	Lower	Upper
75	100		
53	0.3	75.2	112.8#
89	0.3	38.4	57.6#

