

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018010.D
 Acq On : 20 Aug 2020 02:21
 Operator : JC/SP
 Sample : L3738-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-368-370

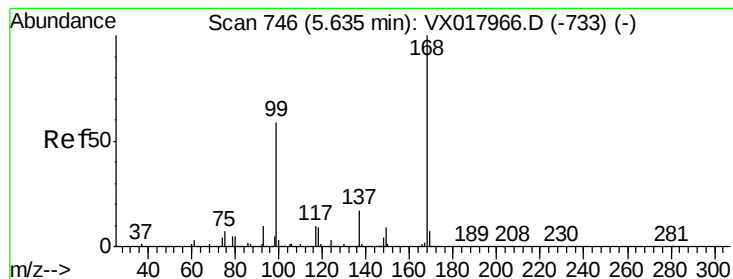
Quant Time: Aug 20 04:28:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	462032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	762247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	683063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	309171	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	309368	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
35) Dibromofluoromethane	5.47	113	254006	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
50) Toluene-d8	8.70	98	871875	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	
62) 4-Bromofluorobenzene	11.12	95	311529	42.04	ug/l	0.00
Spiked Amount			Recovery	=	84.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	187	1.015	ug/l #	1
4) Vinyl Chloride	1.39	62	471	2.328	ug/l #	19
5) Bromomethane	1.64	94	1034	0.292	ug/l #	2
11) Tert butyl alcohol	3.05	59	406	0.310	ug/l #	84
13) Acrolein	2.27	56	191	0.276	ug/l #	1
16) Acetone	2.42	43	7056	2.648	ug/l	89
17) Carbon Disulfide	2.55	76	4592	0.454	ug/l #	95
36) 1,1-Dichloropropene	5.63	75	35627	5.584	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48126	5.828	ug/l #	14
39) Methylcyclohexane	7.42	83	184	0.835	ug/l #	19
42) 1,2-Dichloroethane	6.17	62	1759	0.215	ug/l	76
49) 1,4-Dioxane	7.73	88	163	1.303	ug/l #	1
52) Toluene	8.77	92	3023	0.240	ug/l	75
64) Tetrachloroethene	9.32	164	1170	0.224	ug/l #	80
76) 1,2,3-Trichloropropane	11.12	75	162770	24.756	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	162770	65.037	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.00 min

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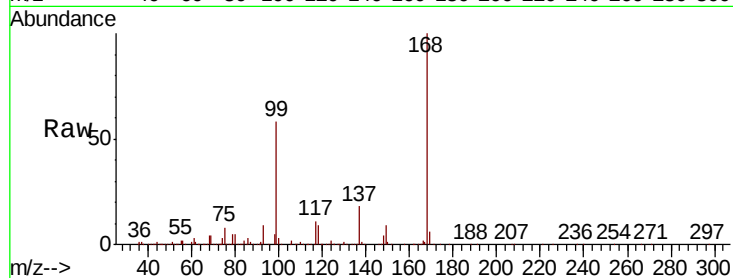
BP-VPB181-GW-368-370

Tot Ion:168 Resp: 462032

Ion Ratio Lower Upper

168 100

99 57.7 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

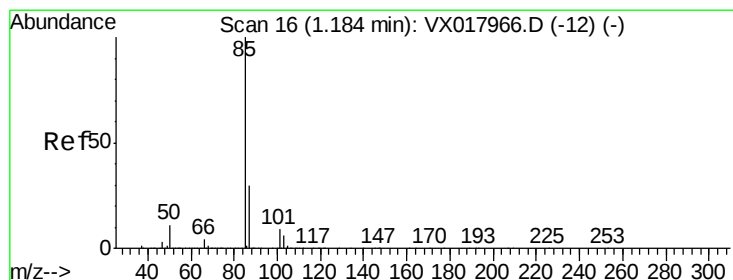
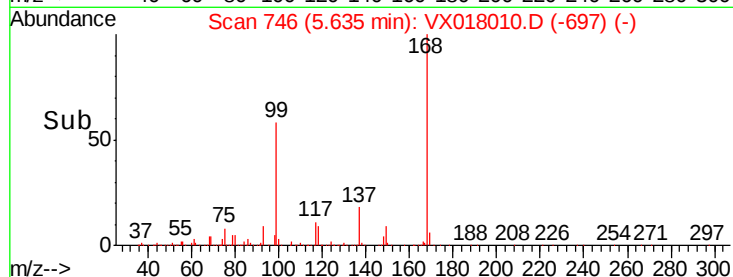
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.015 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX018010.D

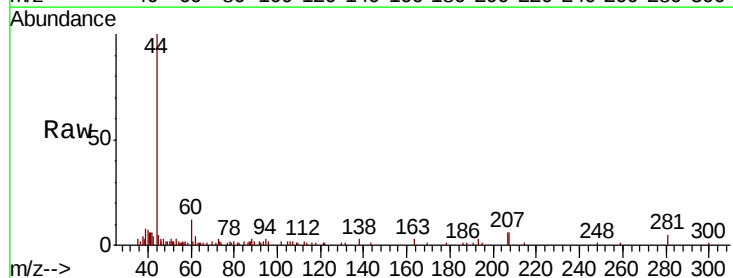
Acq: 20 Aug 2020 02:21

Tgt Ion: 85 Resp: 187

Ion Ratio Lower Upper

85 100

87 212.9 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

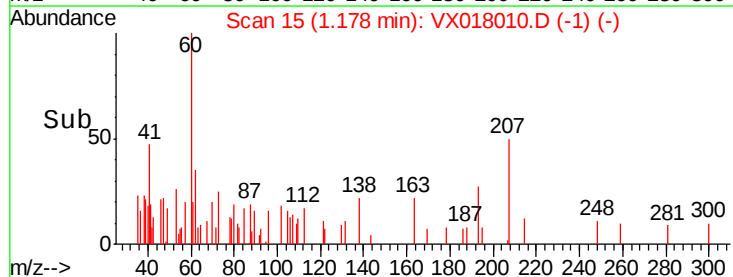
150

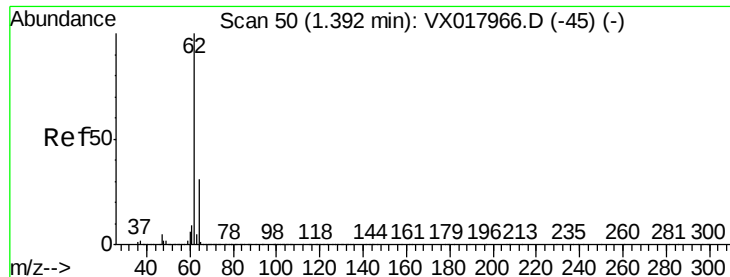
100

50

0

Time-->





#4

Vinyl Chloride

Concen: 2.328 ug/l

RT: 1.39 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

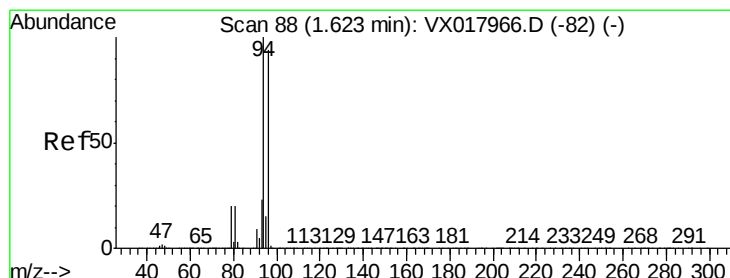
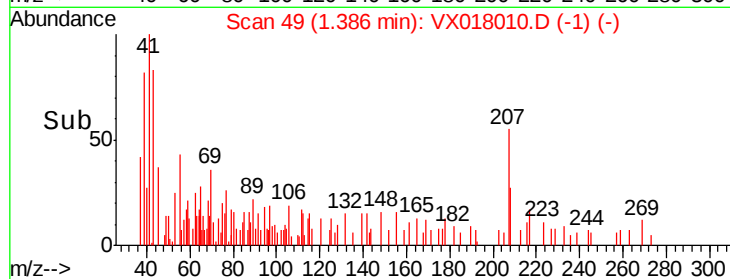
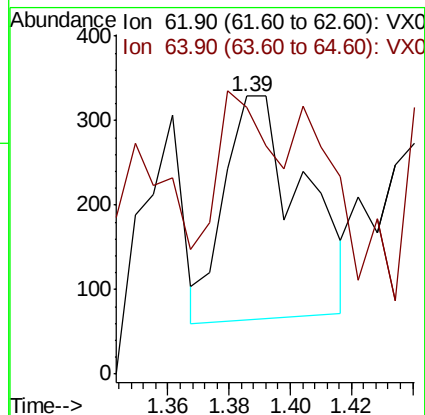
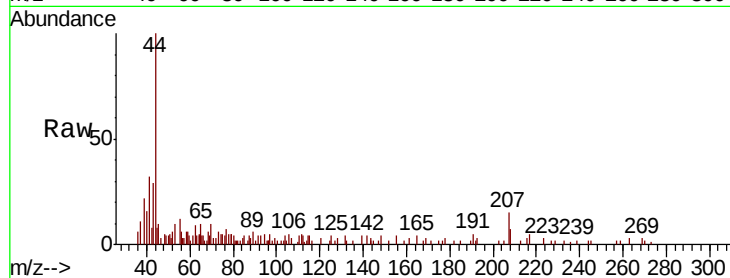
BP-VPB181-GW-368-370

Tot Ion: 62 Resp: 471

Ion Ratio Lower Upper

62 100

64 75.1 24.7 37.1#



#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018010.D

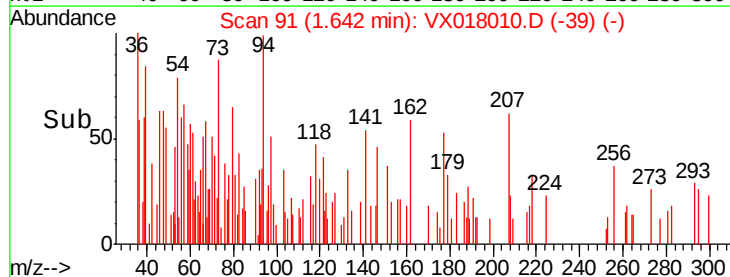
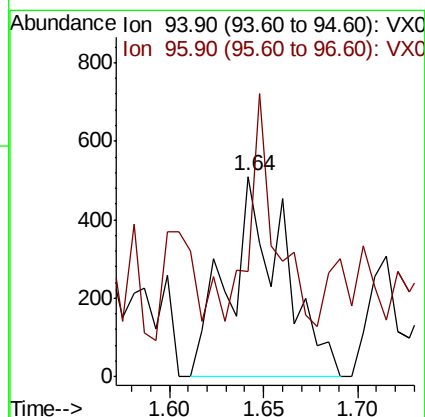
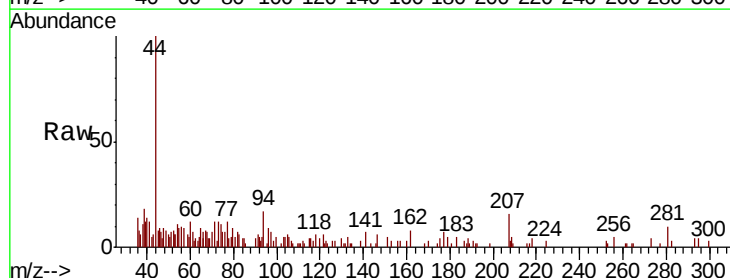
Acq: 20 Aug 2020 02:21

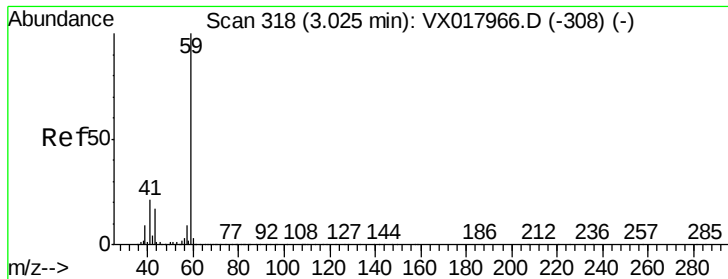
Tgt Ion: 94 Resp: 1034

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



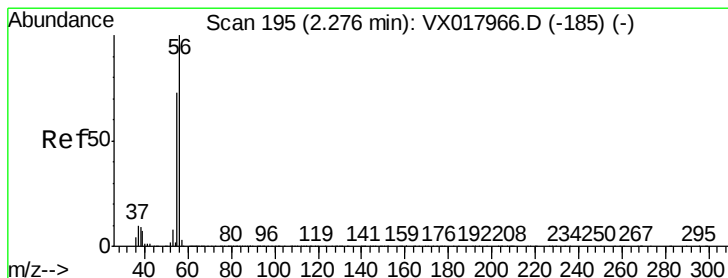
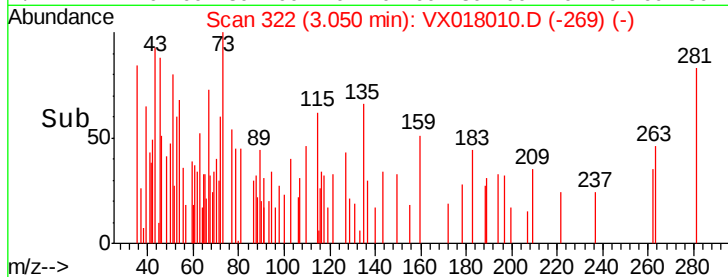
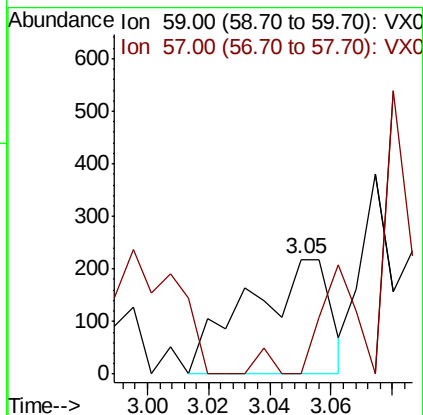
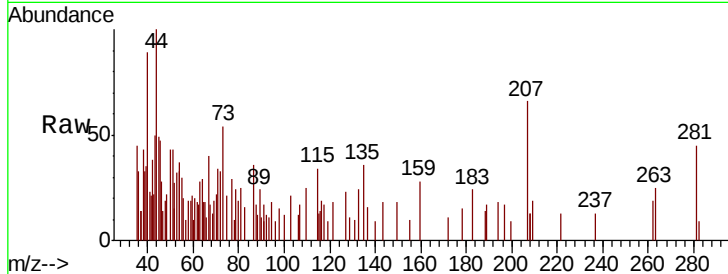


#11

Tert butyl alcohol
Concen: 0.310 ug/l
RT: 3.05 min Scan# 322
Delta R.T. 0.02 min
Lab File: VX018010.D
Acq: 20 Aug 2020 02:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-368-370

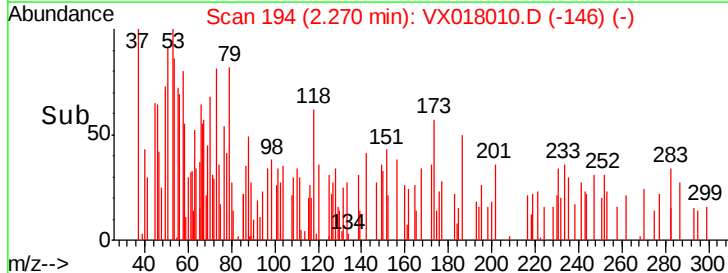
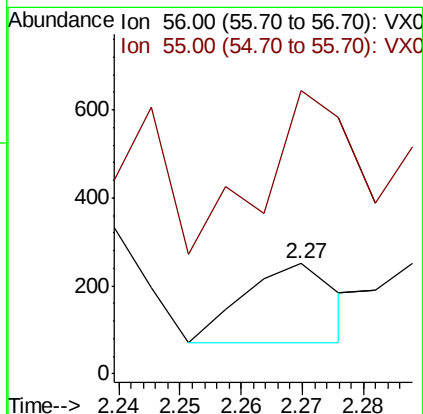
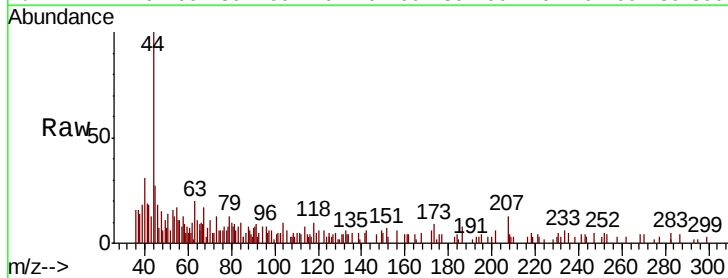
Tot Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 4.7 8.6 13.0#

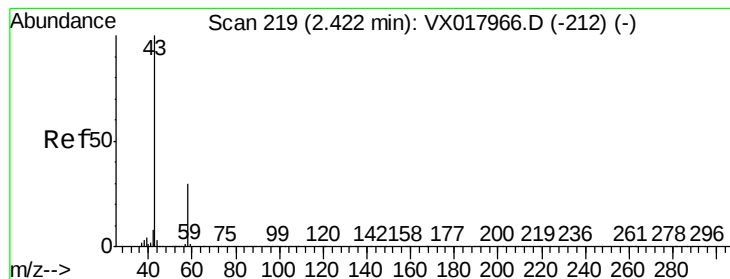


#13

Acrolein
Concen: 0.276 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018010.D
Acq: 20 Aug 2020 02:21

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 456.0 58.2 87.4#





#16

Acetone

Concen: 2.648 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

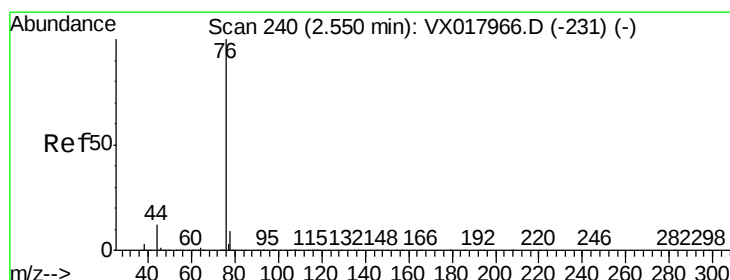
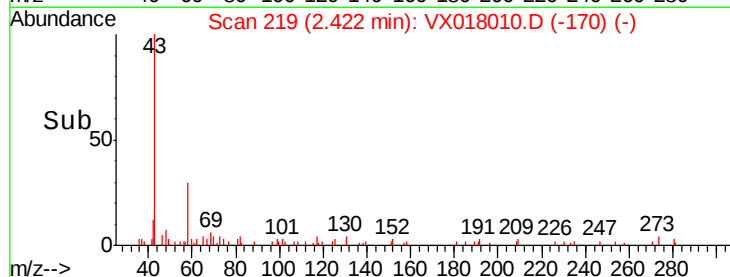
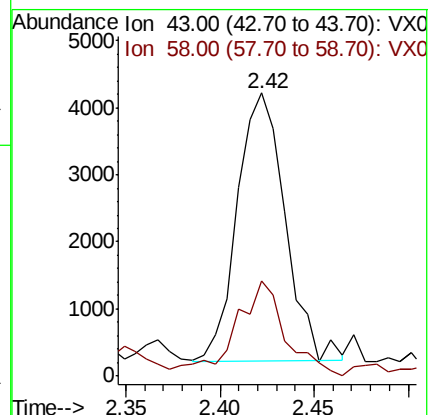
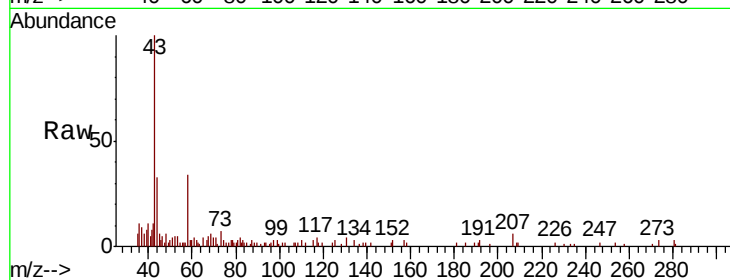
BP-VPB181-GW-368-370

Tot Ion: 43 Resp: 7056

Ion Ratio Lower Upper

43 100

58 35.6 23.8 35.8



#17

Carbon Disulfide

Concen: 0.454 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018010.D

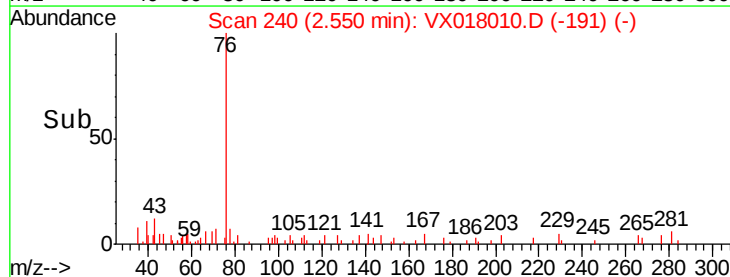
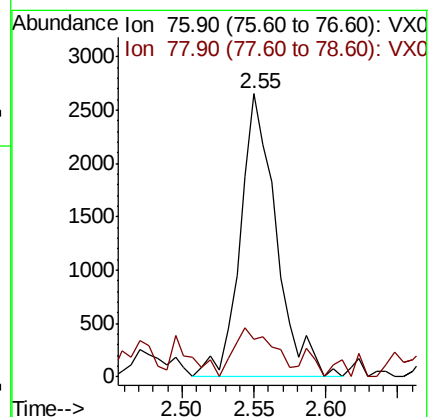
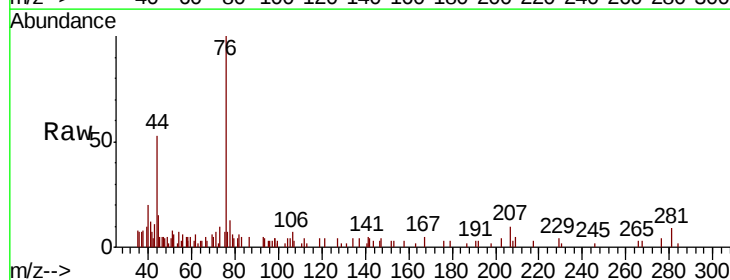
Acq: 20 Aug 2020 02:21

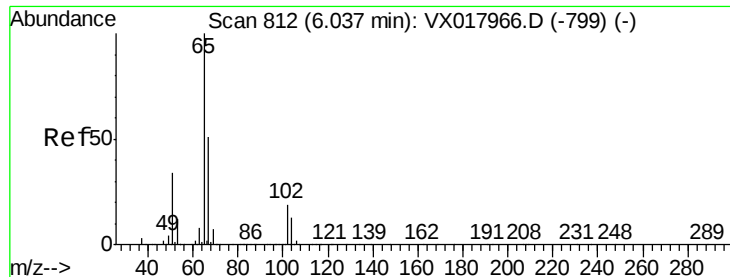
Tgt Ion: 76 Resp: 4592

Ion Ratio Lower Upper

76 100

78 7.2 7.3 10.9#





#33

1,2-Dichloroethane-d4

Concen: 45.676 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

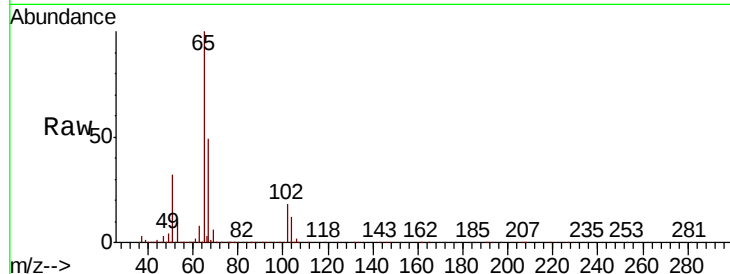
BP-VPB181-GW-368-370

Tot Ion: 65 Resp: 309368

Ion Ratio Lower Upper

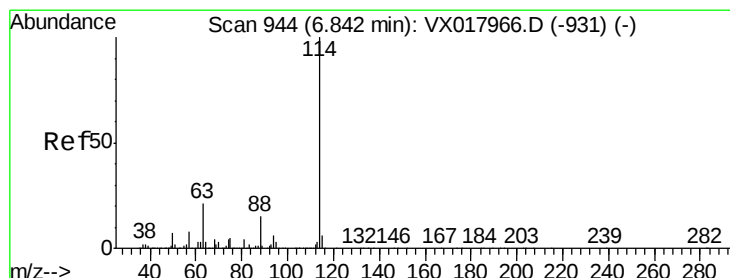
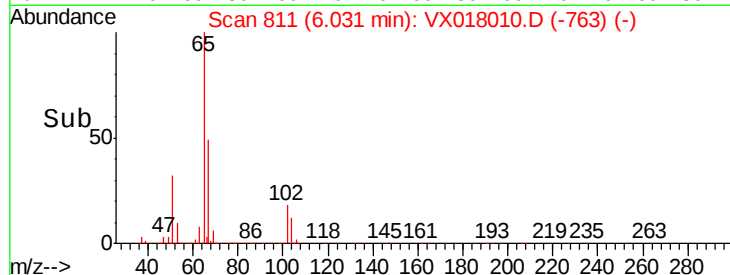
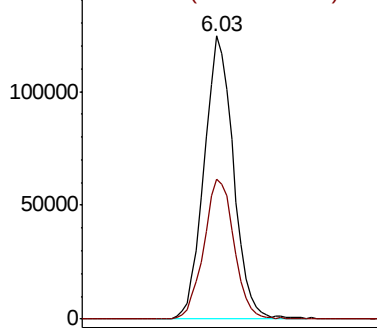
65 100

67 51.0 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: VX018010.D

Acq: 20 Aug 2020 02:21

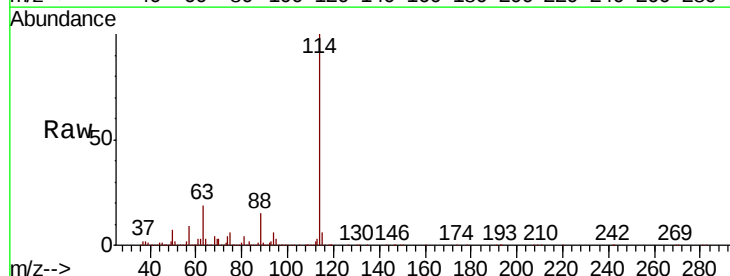
Tgt Ion: 114 Resp: 762247

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

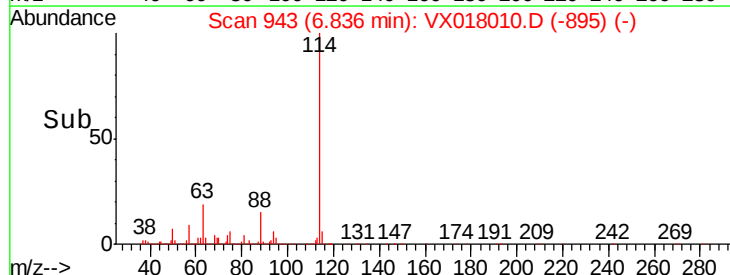
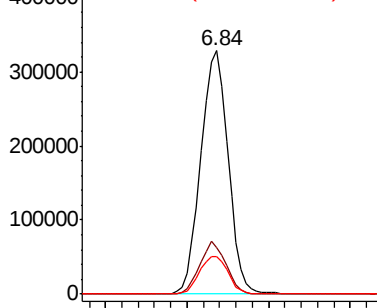
88 15.2 0.0 30.2

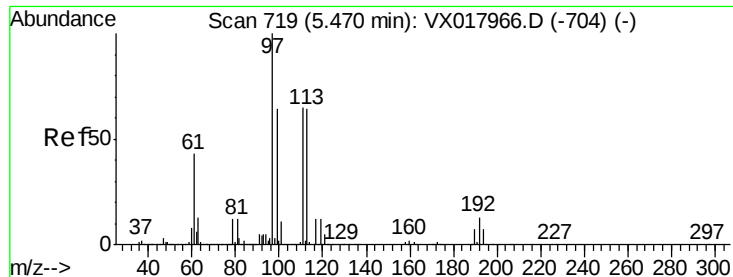


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

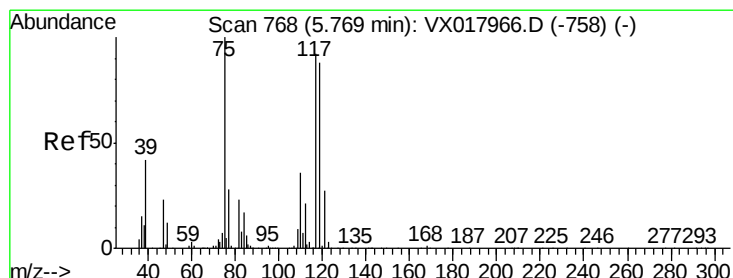
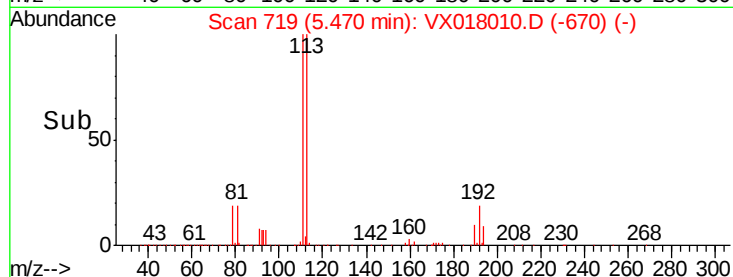
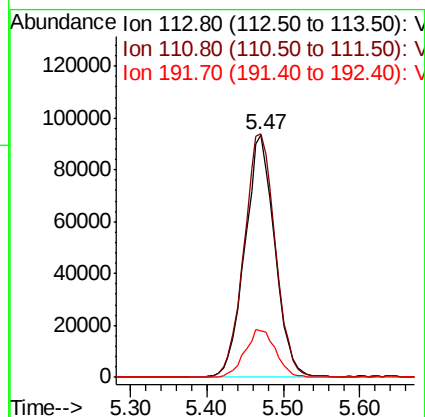
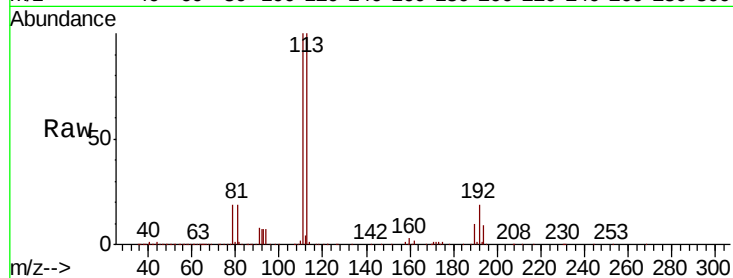




#35
Dibromofluoromethane
Concen: 44.748 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX018010.D
Acq: 20 Aug 2020 02:21

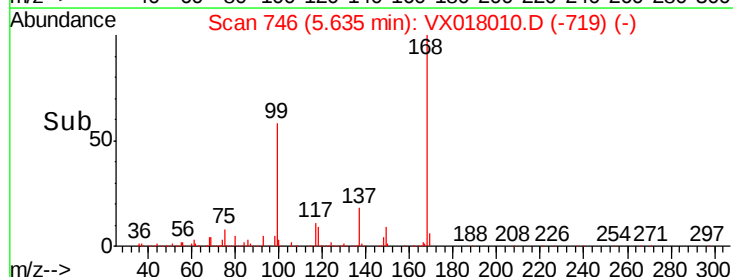
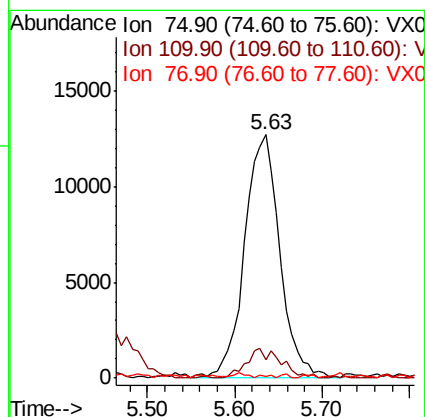
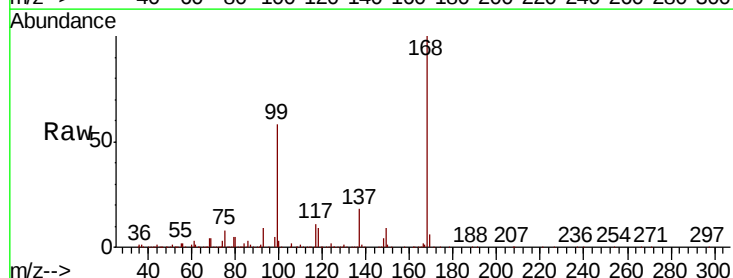
Instrument :
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BP-VPB181-GW-368-370

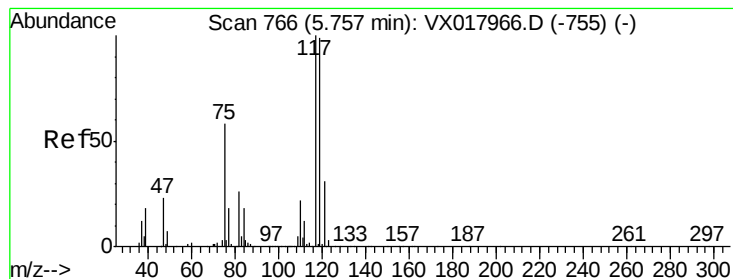
Tot Ion:113 Resp: 254006
Ion Ratio Lower Upper
113 100
111 104.4 83.5 125.3
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.584 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX018010.D
Acq: 20 Aug 2020 02:21

Tgt Ion: 75 Resp: 35627
Ion Ratio Lower Upper
75 100
110 11.9 18.7 56.1#
77 0.4 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-368-370

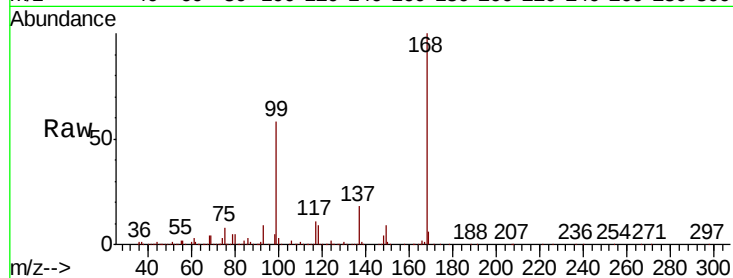
Tot Ion:117 Resp: 48126

Ion Ratio Lower Upper

117 100

119 4.4 79.0 118.6#

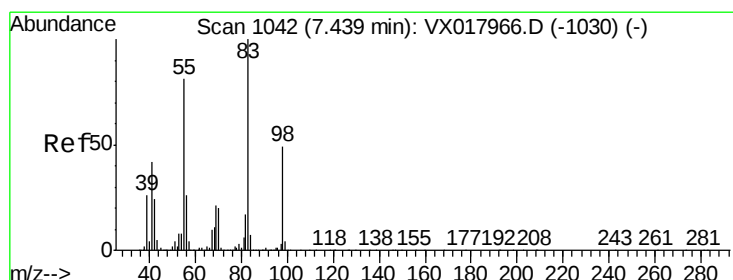
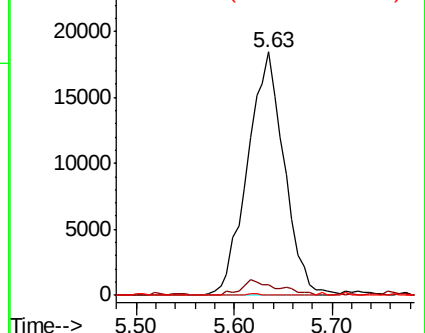
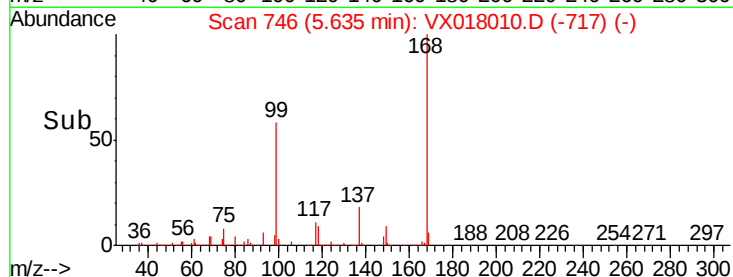
121 0.0 24.7 37.1#



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: 0.835 ug/l

RT: 7.42 min Scan# 1039

Delta R.T. -0.02 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

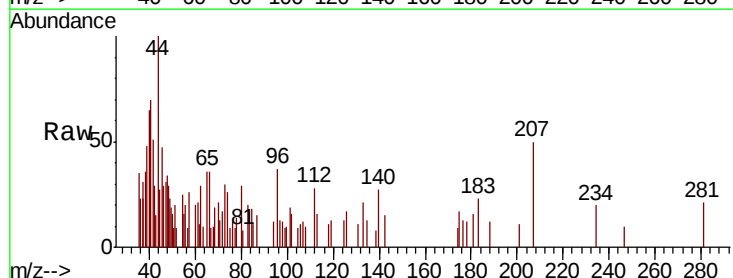
Tgt Ion: 83 Resp: 184

Ion Ratio Lower Upper

83 100

55 3.3 64.5 96.7#

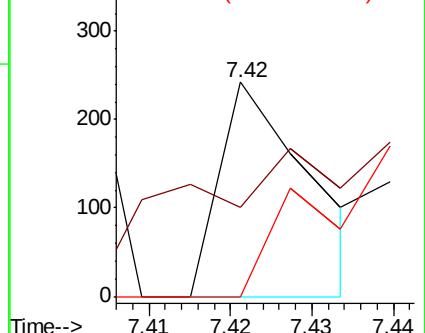
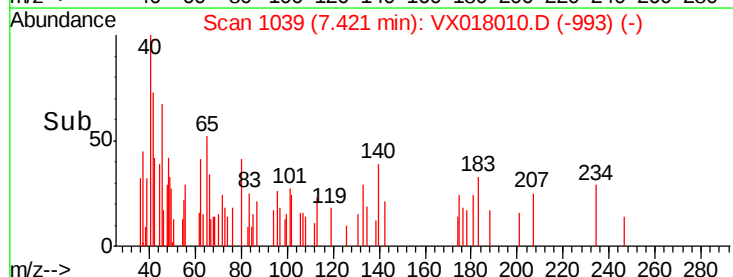
98 0.0 39.0 58.6#

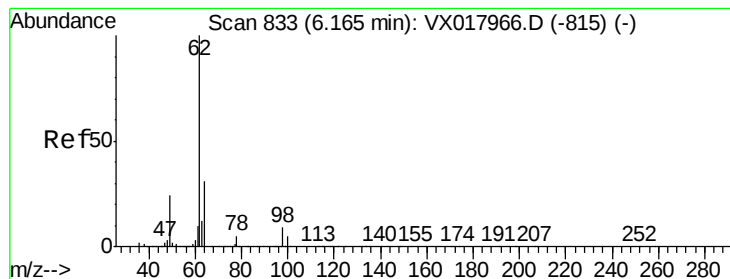


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#42

1,2-Dichloroethane

Concen: 0.215 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

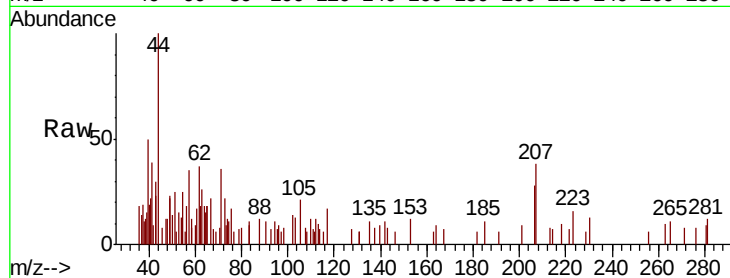
BP-VPB181-GW-368-370

Tot Ion: 62 Resp: 1759

Ion Ratio Lower Upper

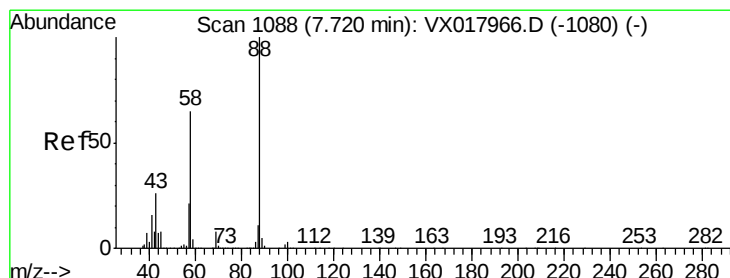
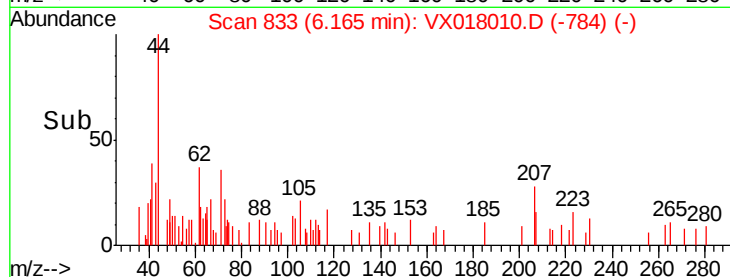
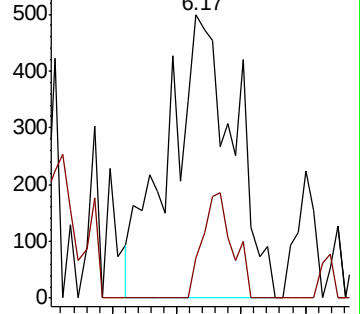
62 100

98 17.1 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#49

1,4-Dioxane

Concen: 1.303 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

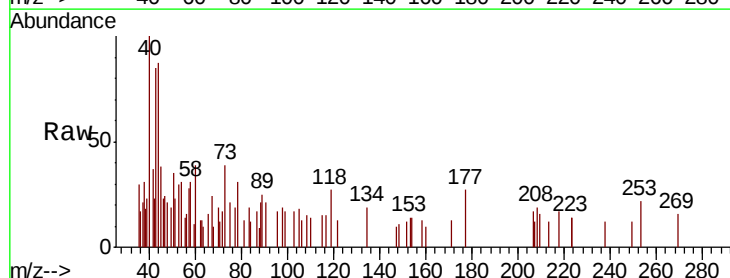
Tgt Ion: 88 Resp: 163

Ion Ratio Lower Upper

88 100

43 384.7 27.3 40.9#

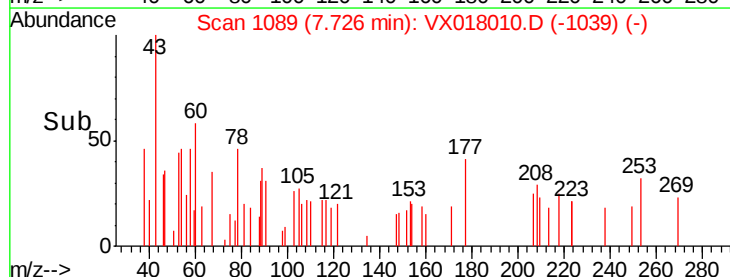
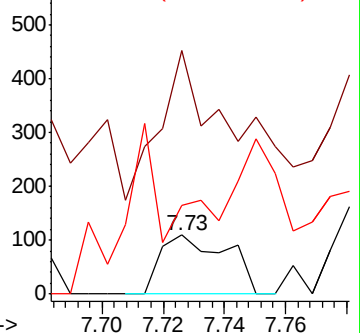
58 200.6 57.7 86.5#

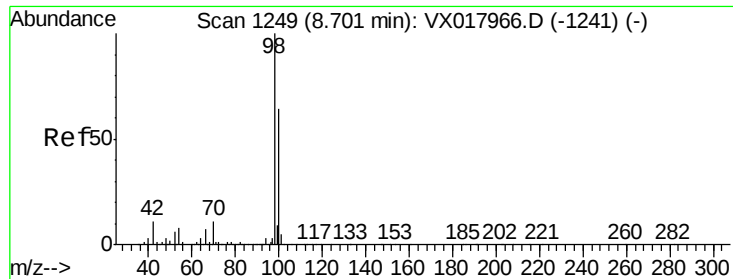


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 43.454 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

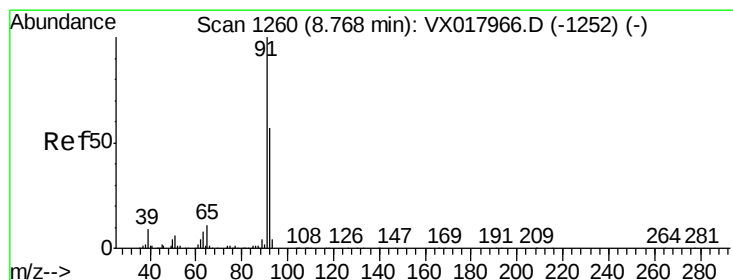
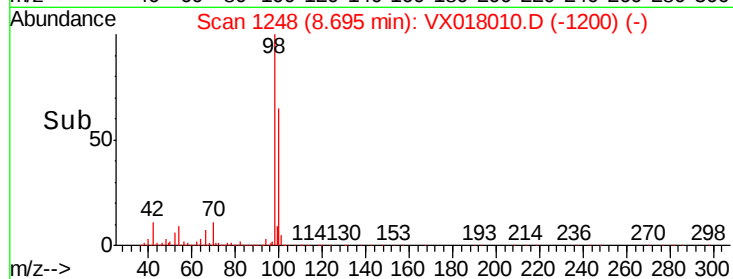
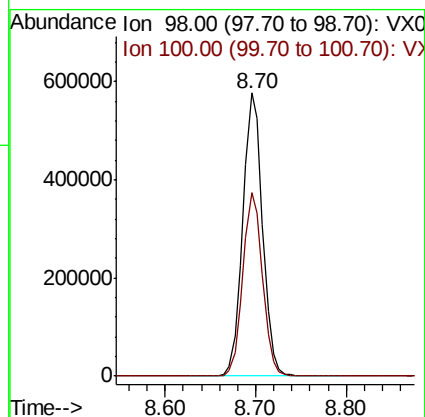
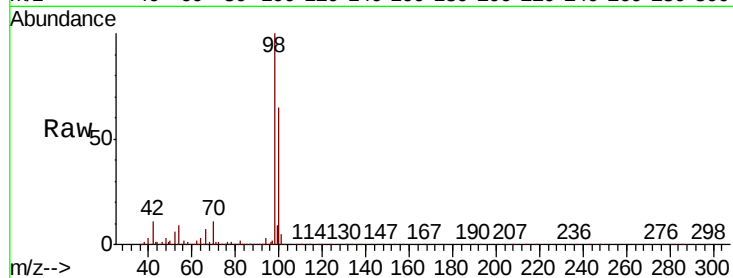
BP-VPB181-GW-368-370

Tot Ion: 98 Resp: 871875

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.2



#52

Toluene

Concen: 0.240 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018010.D

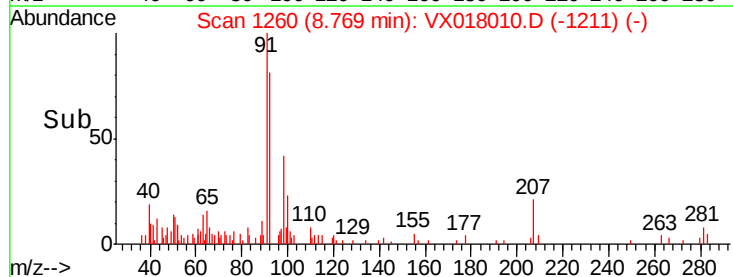
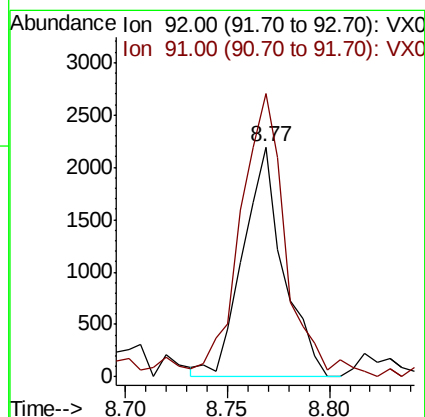
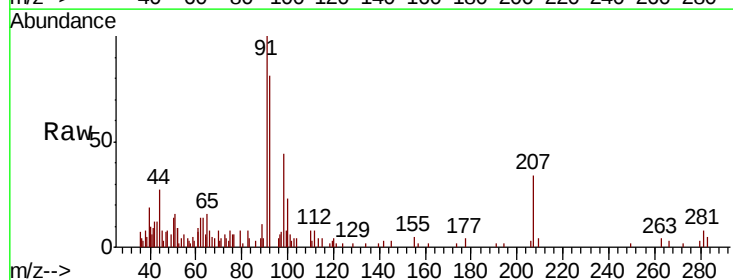
Acq: 20 Aug 2020 02:21

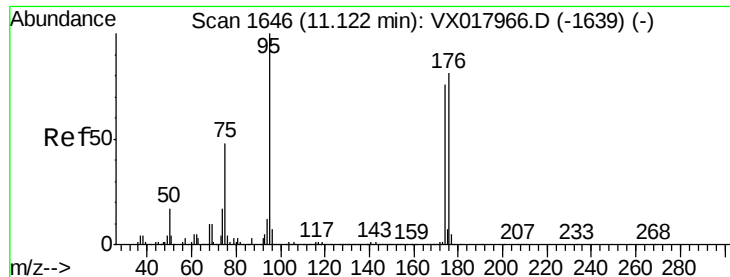
Tgt Ion: 92 Resp: 3023

Ion Ratio Lower Upper

92 100

91 138.6 138.4 207.6





#62

4-Bromofluorobenzene

Concen: 42.038 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-368-370

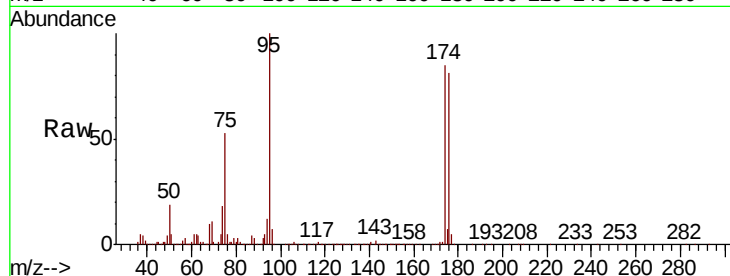
Tot Ion: 95 Resp: 311529

Ion Ratio Lower Upper

95 100

174 83.8 0.0 166.0

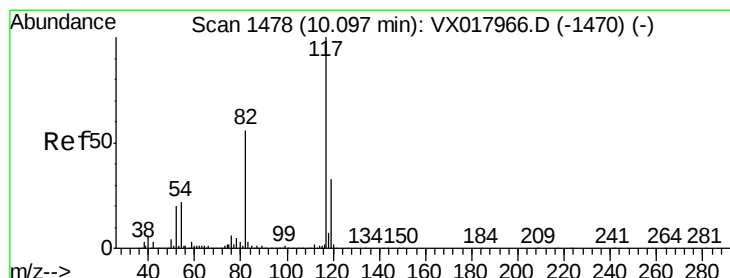
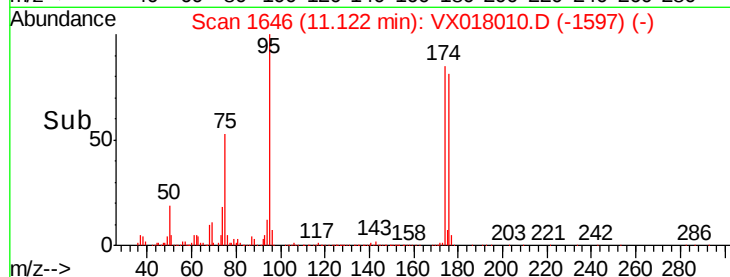
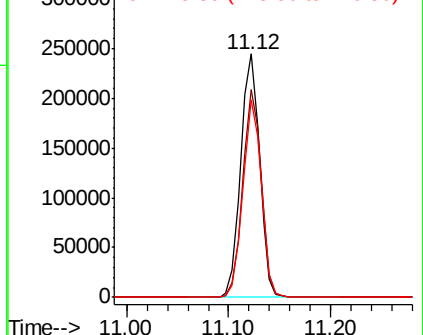
176 79.5 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

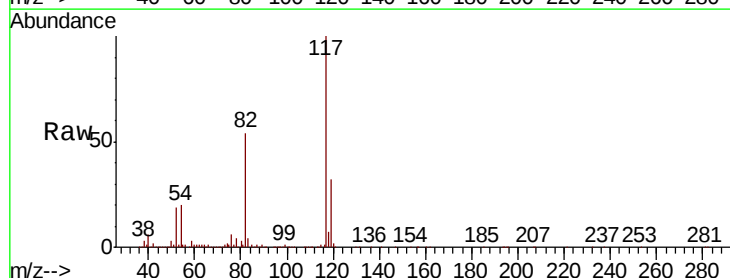
Tgt Ion: 117 Resp: 683063

Ion Ratio Lower Upper

117 100

82 54.0 44.6 66.8

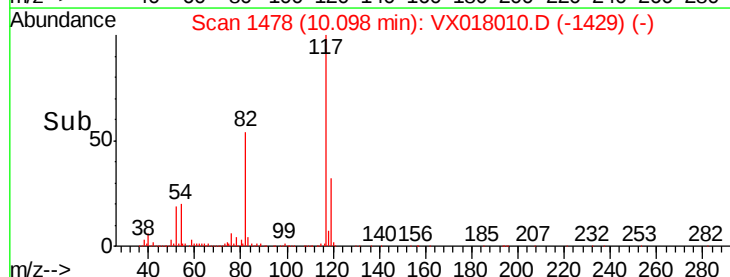
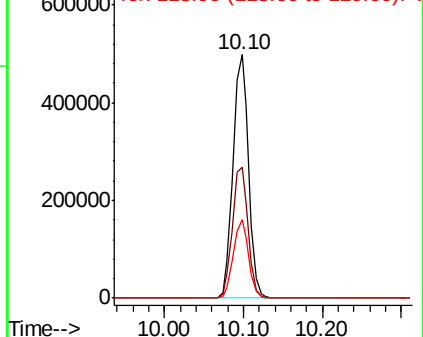
119 32.2 26.2 39.4

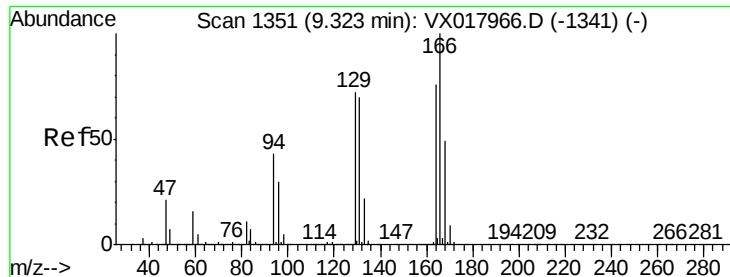


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.224 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-368-370

Tot Ion:164 Resp: 1170

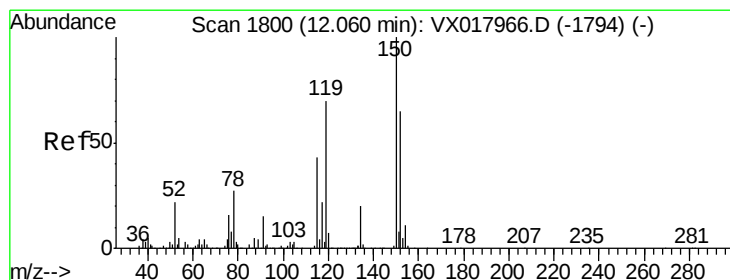
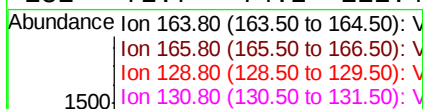
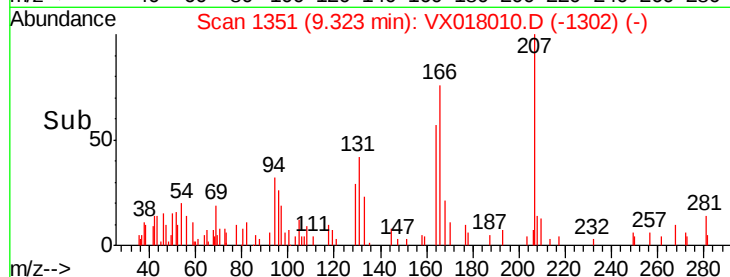
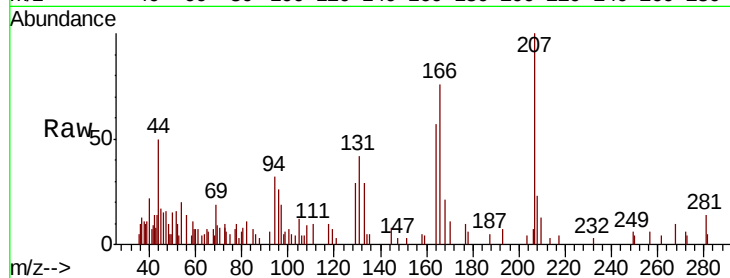
Ion Ratio Lower Upper

164 100

166 132.7 105.7 158.5

129 50.5 75.8 113.8#

131 72.7 74.2 111.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

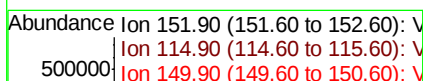
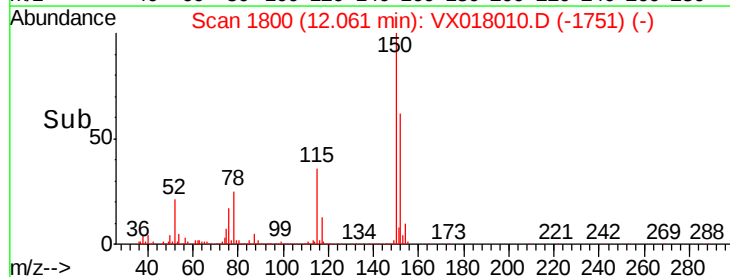
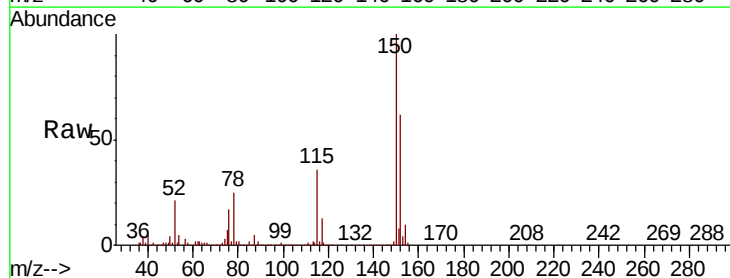
Tgt Ion:152 Resp: 309171

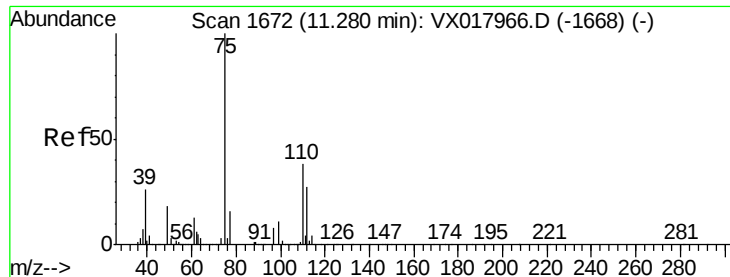
Ion Ratio Lower Upper

152 100

115 57.8 40.6 121.7

150 159.8 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.756 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

Instrument :

MSVOA_X

ClientSampleId :

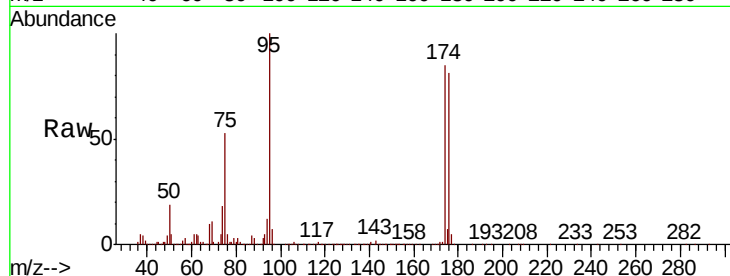
BP-VPB181-GW-368-370

Tot Ion: 75 Resp: 162770

Ion Ratio Lower Upper

75 100

77 1.5 21.1 63.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

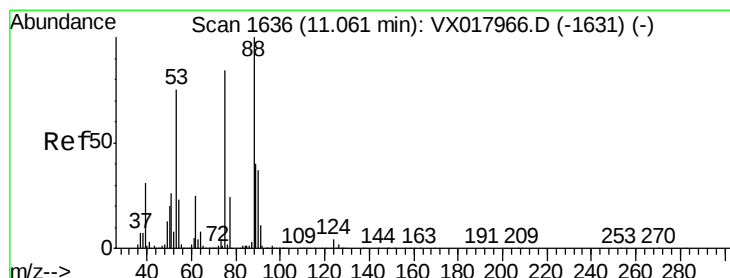
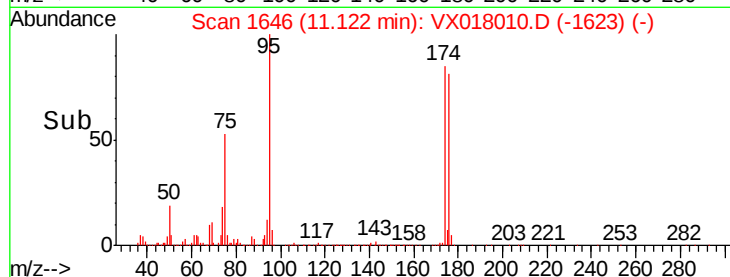
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.037 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018010.D

Acq: 20 Aug 2020 02:21

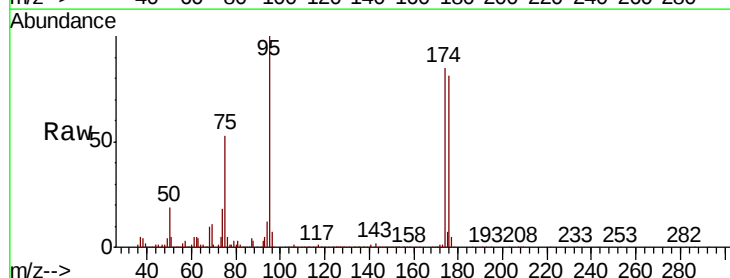
Tgt Ion: 75 Resp: 162770

Ion Ratio Lower Upper

75 100

53 0.5 75.2 112.8#

89 0.2 38.4 57.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

150000

100000

50000

0

Time-->

