

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082020\
 Data File : VX018038.D
 Acq On : 20 Aug 2020 16:27
 Operator : JC/SP
 Sample : L3738-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-418-420

Quant Time: Aug 21 01:27:05 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	590904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	923619	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	873997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	426919	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	386463	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
35) Dibromofluoromethane	5.47	113	312653	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
50) Toluene-d8	8.70	98	1131483	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
62) 4-Bromofluorobenzene	11.12	95	427102	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

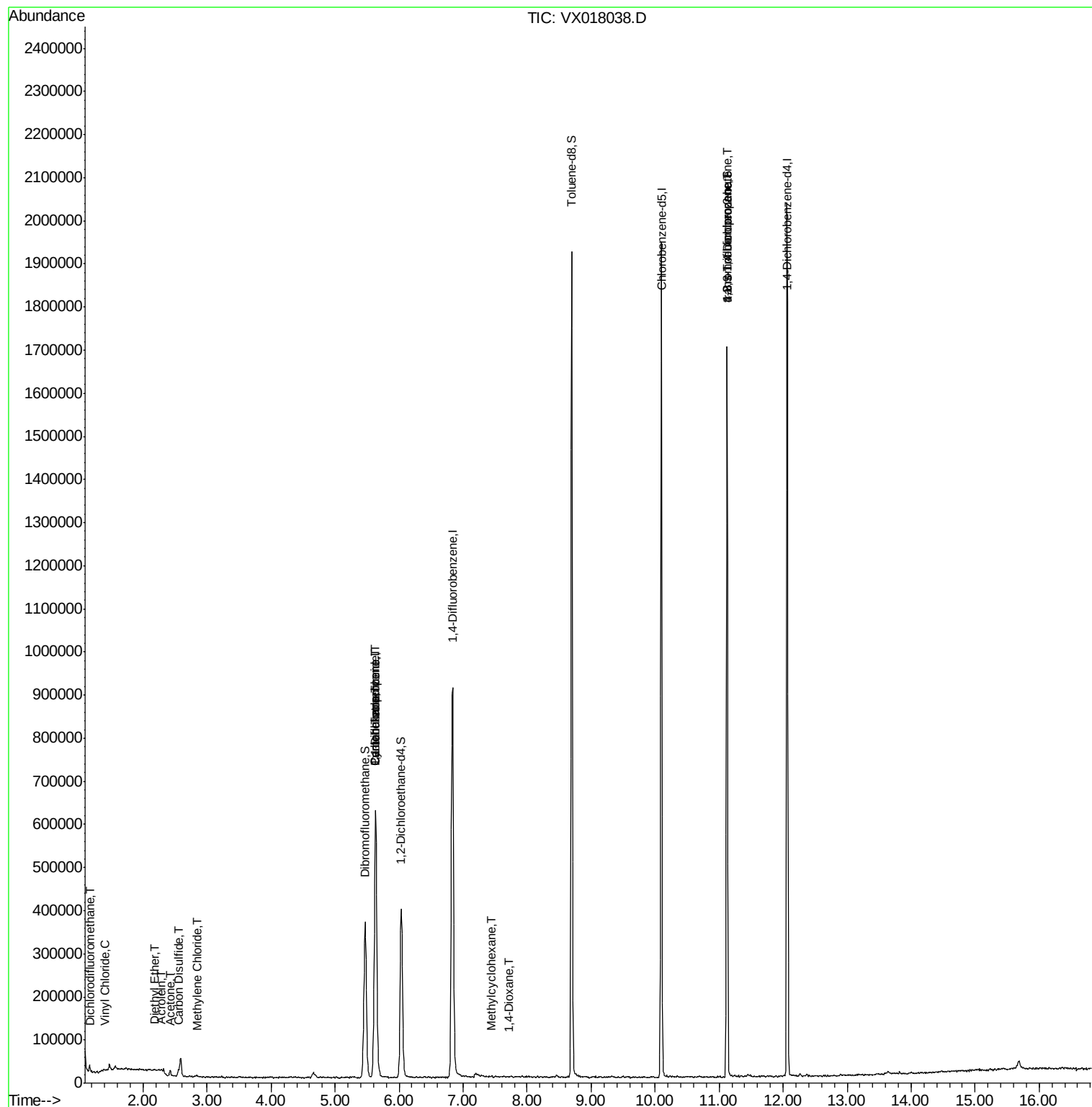
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	512	1.045	ug/l #	44
4) Vinyl Chloride	1.40	62	276	2.291	ug/l #	44
8) Diethyl Ether	2.18	74	1020	0.283	ug/l	57
13) Acrolein	2.28	56	809	0.916	ug/l #	13
16) Acetone	2.42	43	11070	3.248	ug/l	94
17) Carbon Disulfide	2.55	76	19523	1.511	ug/l	96
20) Methylene Chloride	2.84	84	2284	0.364	ug/l #	68
31) Cyclohexane	5.64	56	11676	1.304	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	44473	5.753	ug/l #	41
38) Carbon Tetrachloride	5.64	117	59903	5.987	ug/l #	16
39) Methylcyclohexane	7.44	83	456	0.858	ug/l #	36
49) 1,4-Dioxane	7.70	88	48	0.317	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	212119	23.364	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	212119	61.379	ug/l #	12

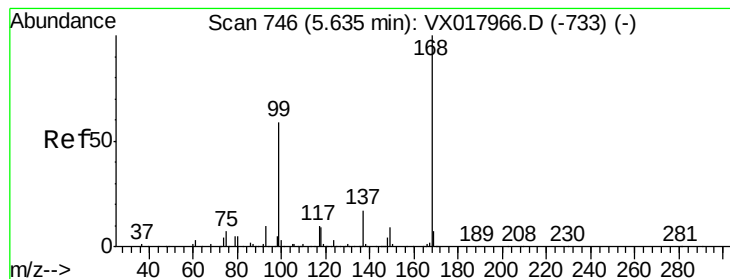
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

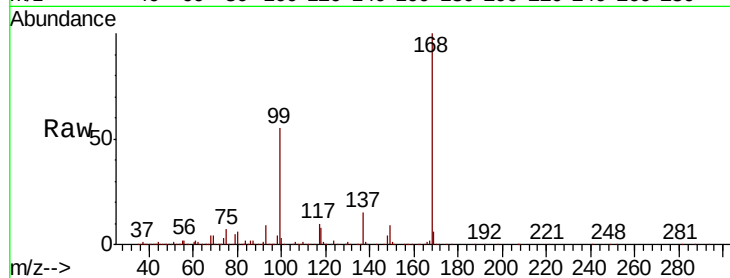
BP-VPB181-GW-418-420

Tot Ion:168 Resp: 590904

Ion Ratio Lower Upper

168 100

99 55.4 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

250000

200000

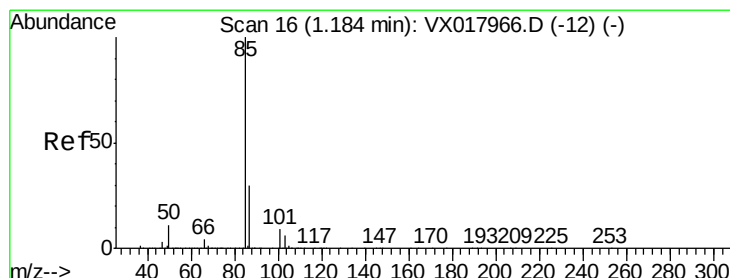
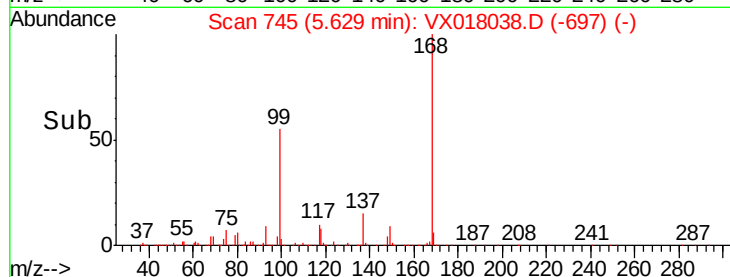
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.045 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018038.D

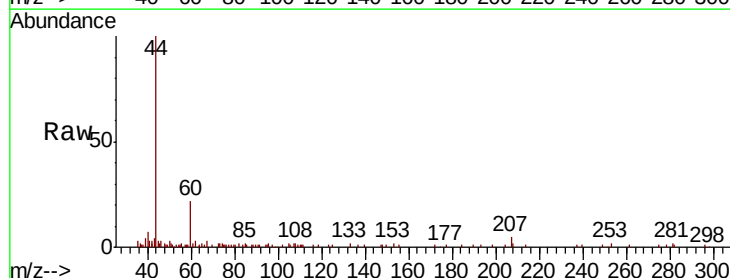
Acq: 20 Aug 2020 16:27

Tgt Ion: 85 Resp: 512

Ion Ratio Lower Upper

85 100

87 0.0 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

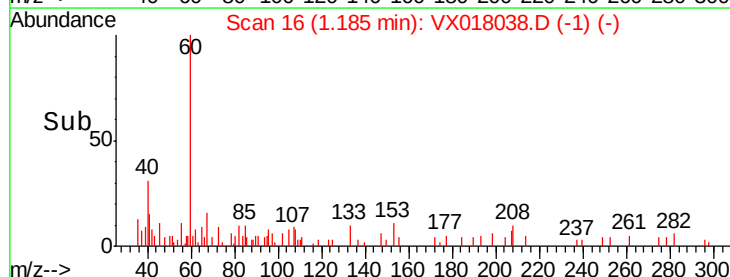
300

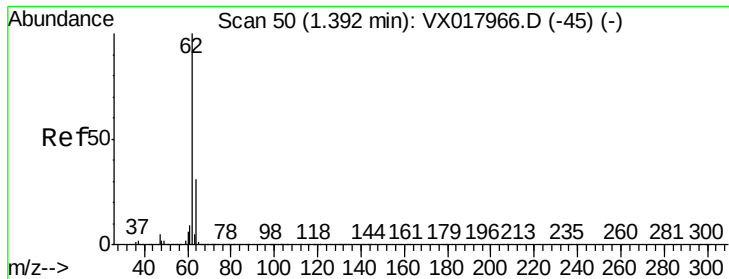
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.291 ug/l

RT: 1.40 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

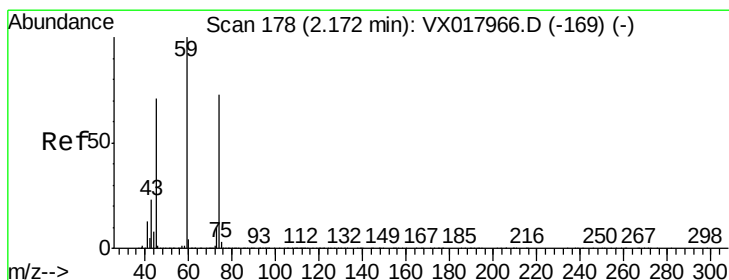
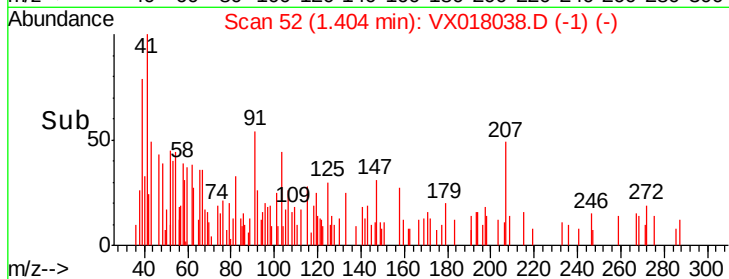
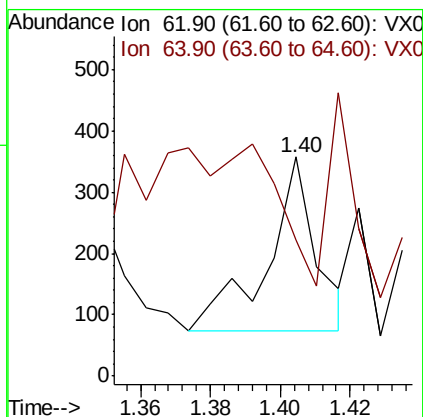
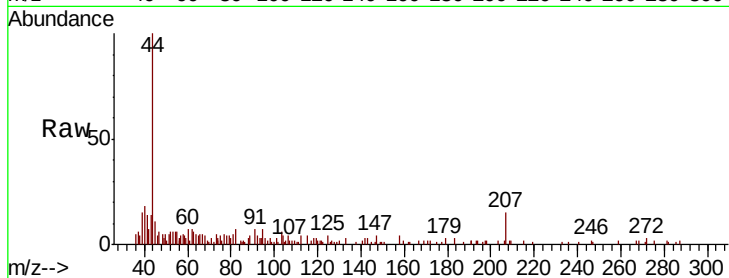
BP-VPB181-GW-418-420

Tot Ion: 62 Resp: 276

Ion Ratio Lower Upper

62 100

64 0.0 24.7 37.1#



#8

Diethyl Ether

Concen: 0.283 ug/l

RT: 2.18 min Scan# 180

Delta R.T. 0.01 min

Lab File: VX018038.D

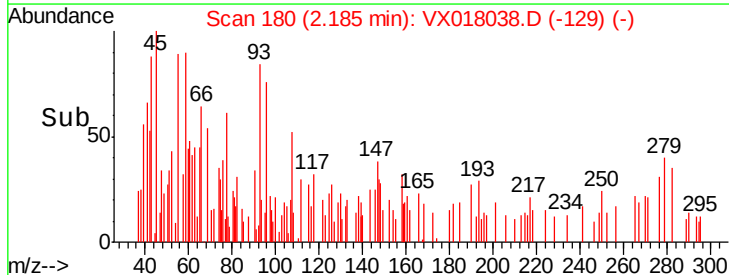
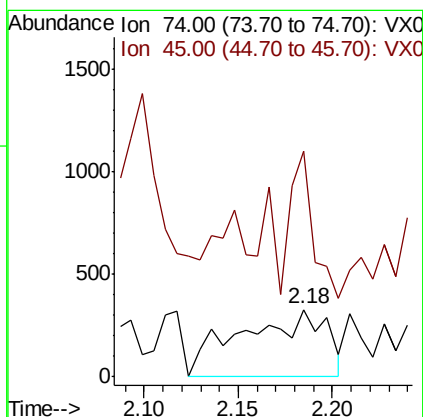
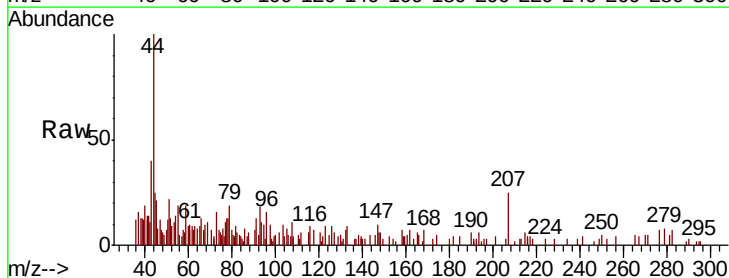
Acq: 20 Aug 2020 16:27

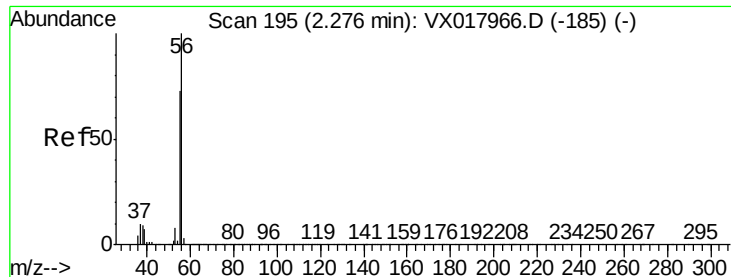
Tgt Ion: 74 Resp: 1020

Ion Ratio Lower Upper

74 100

45 57.7 50.5 151.6





#13

Acrolein

Concen: 0.916 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

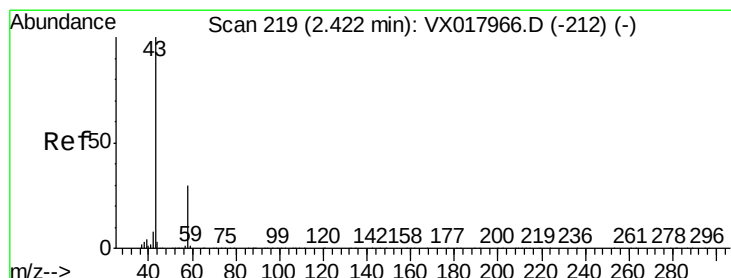
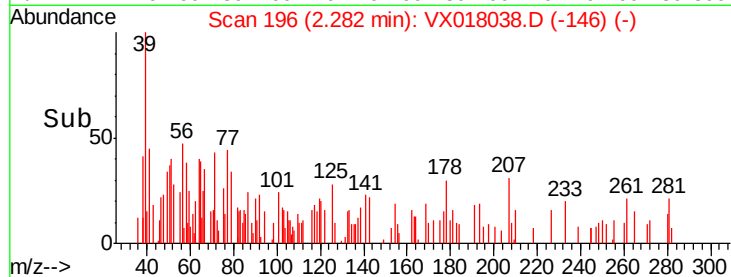
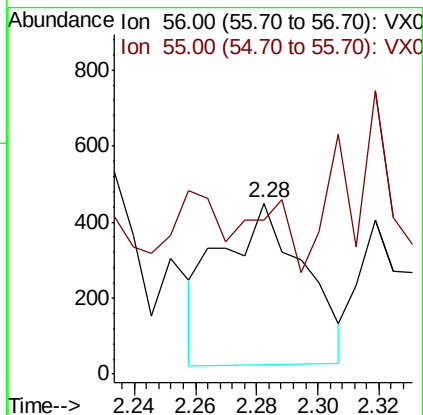
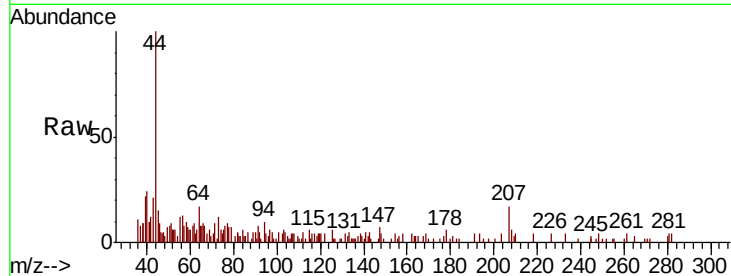
BP-VPB181-GW-418-420

Tot Ion: 56 Resp: 809

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 3.248 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018038.D

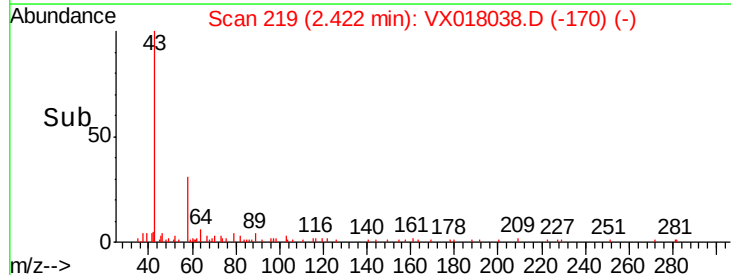
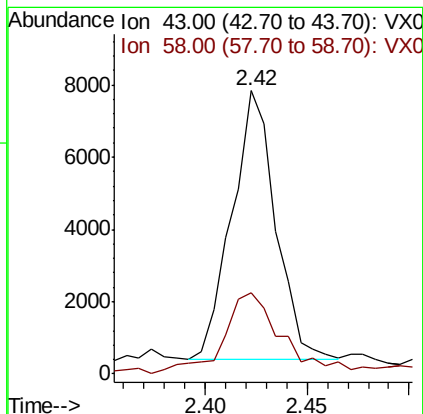
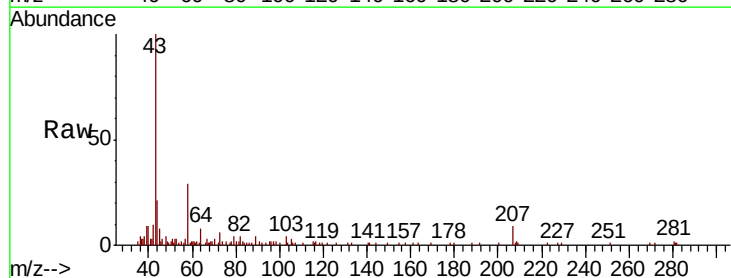
Acq: 20 Aug 2020 16:27

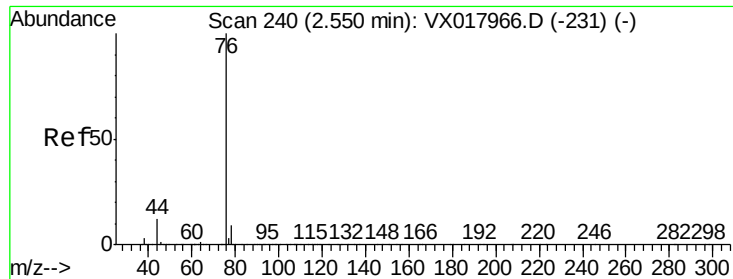
Tgt Ion: 43 Resp: 11070

Ion Ratio Lower Upper

43 100

58 26.4 23.8 35.8

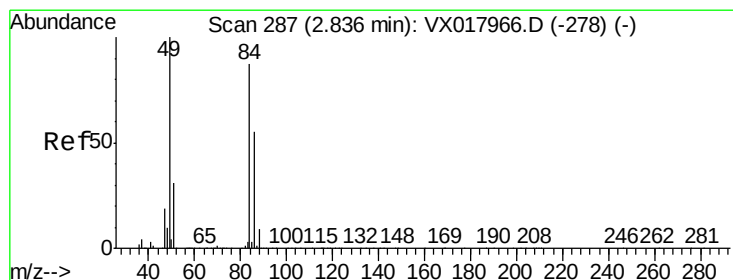
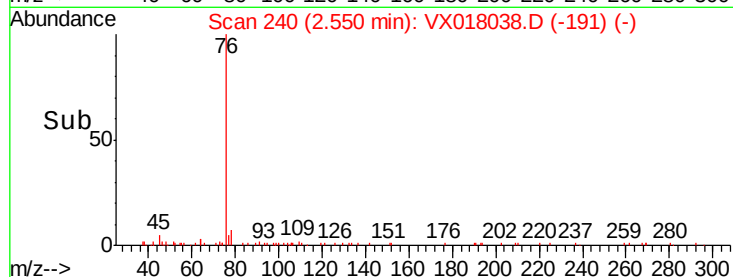
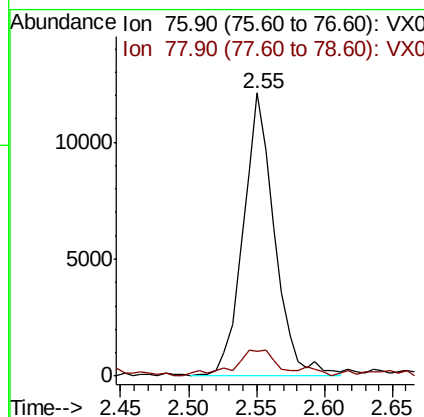
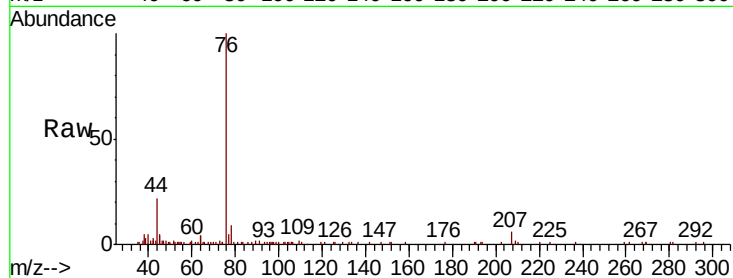




#17
Carbon Disulfide
Concen: 1.511 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018038.D
Acq: 20 Aug 2020 16:27

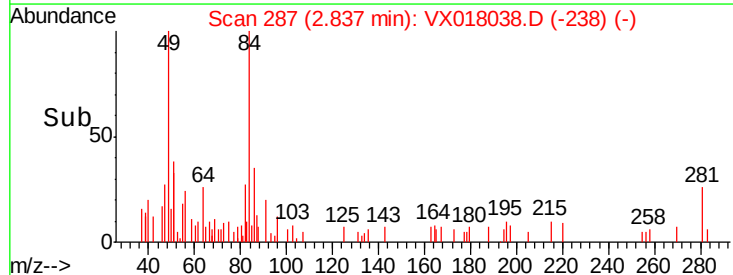
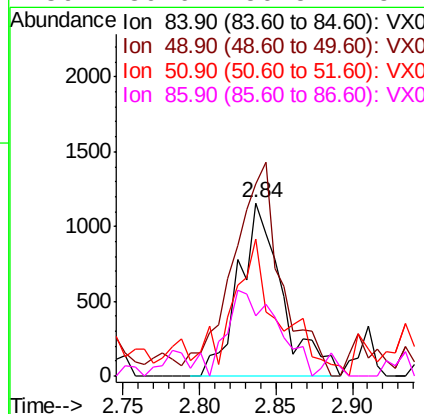
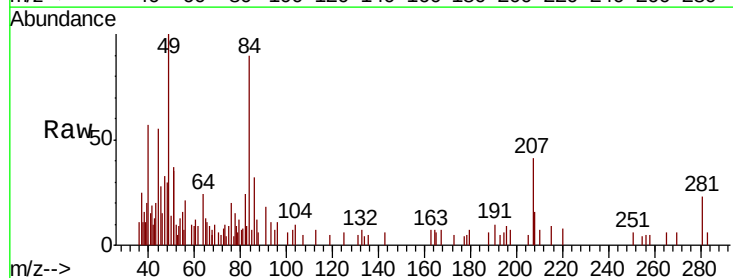
Instrument :
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ClientSampleId :
BP-VPB181-GW-418-420

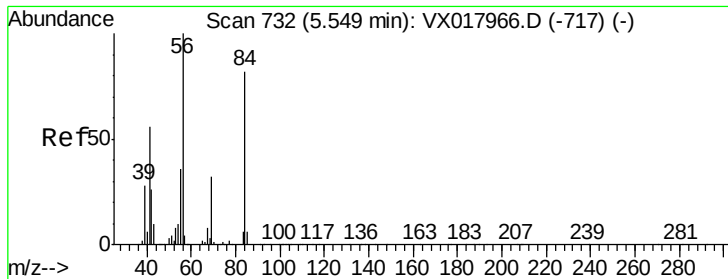
Tot Ion: 76 Resp: 19523
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9



#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018038.D
Acq: 20 Aug 2020 16:27

Tgt Ion: 84 Resp: 2284
Ion Ratio Lower Upper
84 100
49 97.9 91.8 137.6
51 73.0 27.8 41.8#
86 30.6 50.5 75.7#

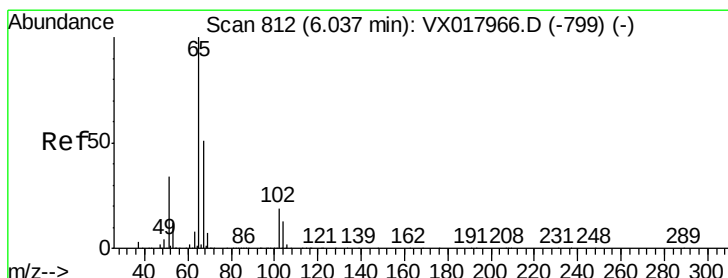
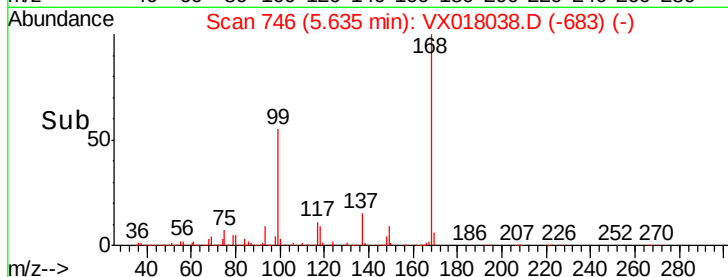
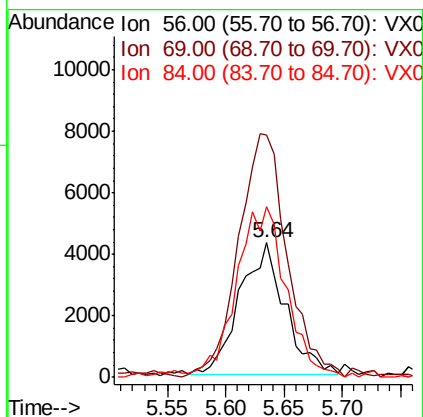
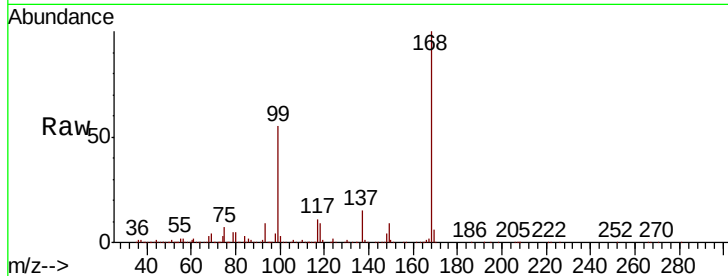




#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX018038.D
Acq: 20 Aug 2020 16:27

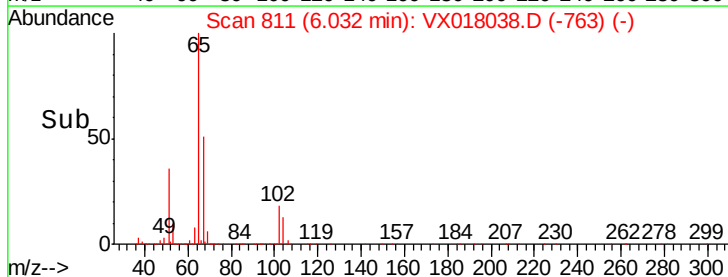
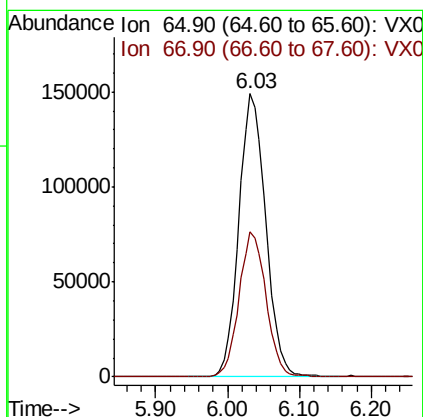
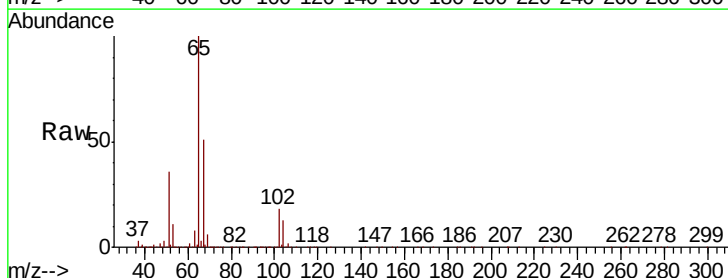
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-418-420

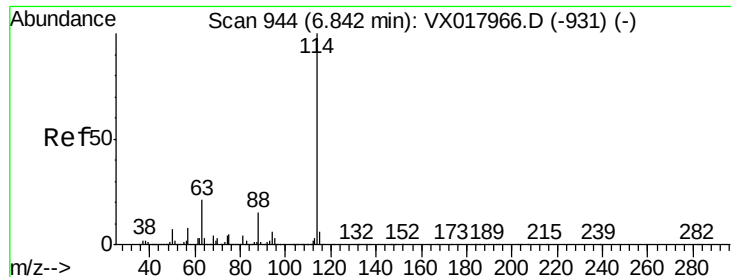
Tot Ion: 56 Resp: 11676
Ion Ratio Lower Upper
56 100
69 184.2 25.3 37.9#
84 129.2 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 44.615 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX018038.D
Acq: 20 Aug 2020 16:27

Tgt Ion: 65 Resp: 386463
Ion Ratio Lower Upper
65 100
67 51.1 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: VX018038.D

Acq: 20 Aug 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-418-420

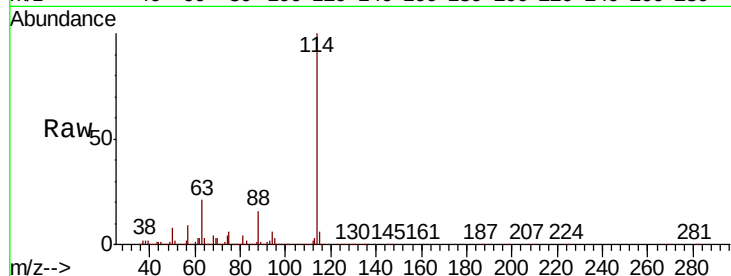
Tot Ion:114 Resp: 923619

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

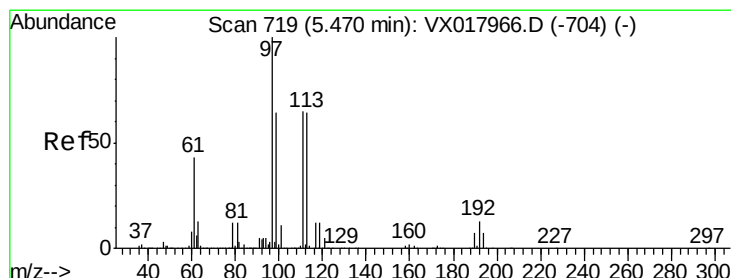
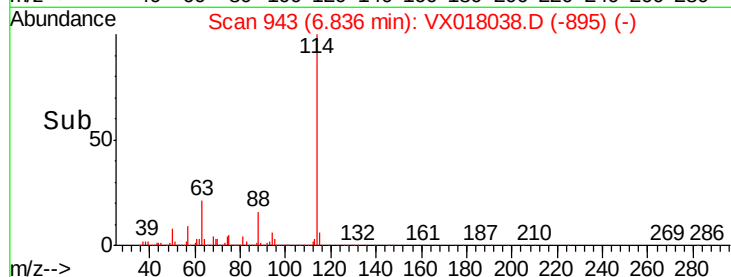
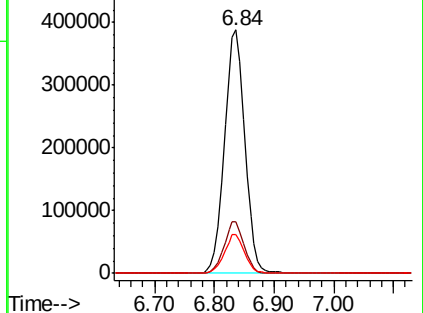
88 15.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.457 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

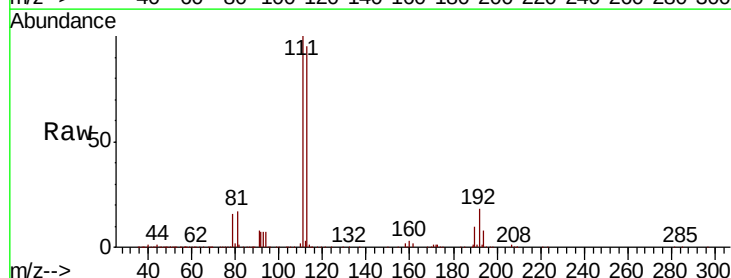
Tgt Ion:113 Resp: 312653

Ion Ratio Lower Upper

113 100

111 102.1 83.5 125.3

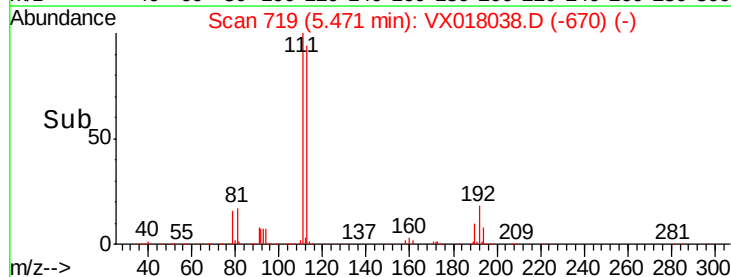
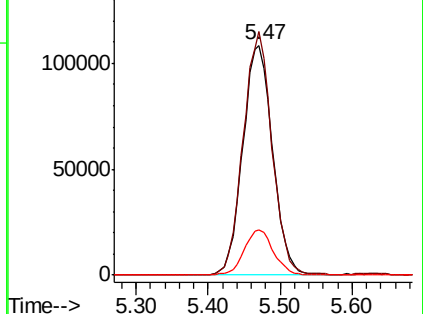
192 19.3 16.2 24.4

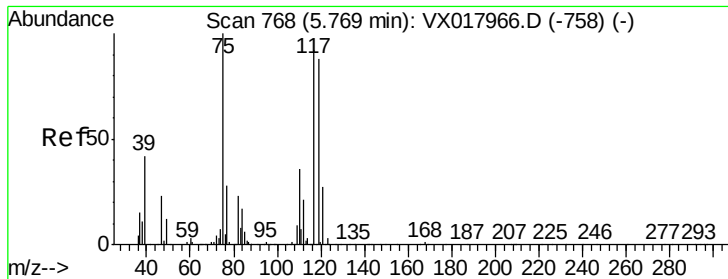


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.753 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

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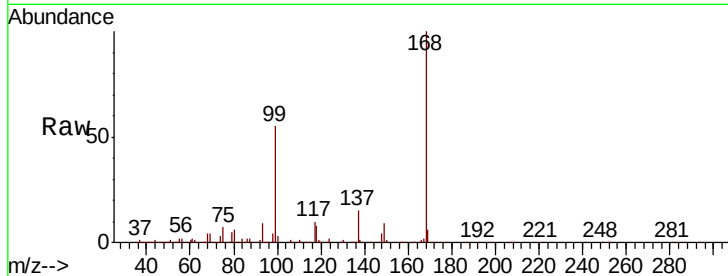
Tot Ion: 75 Resp: 44473

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

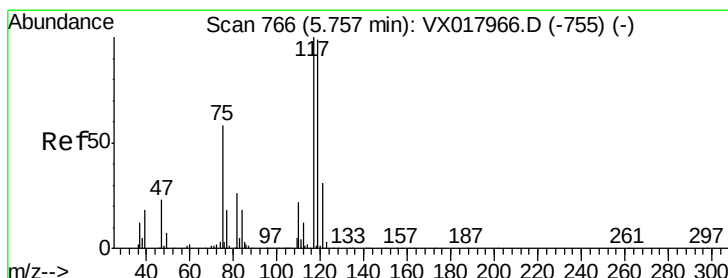
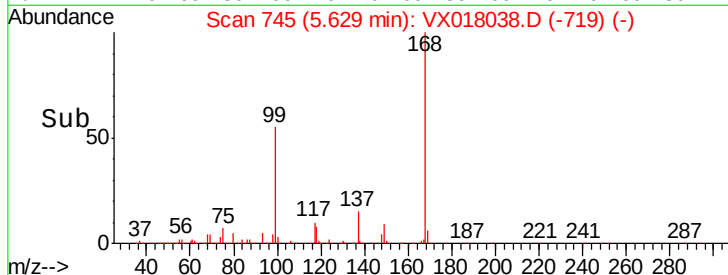
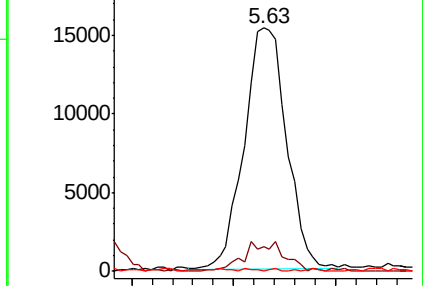
77 0.3 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.987 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

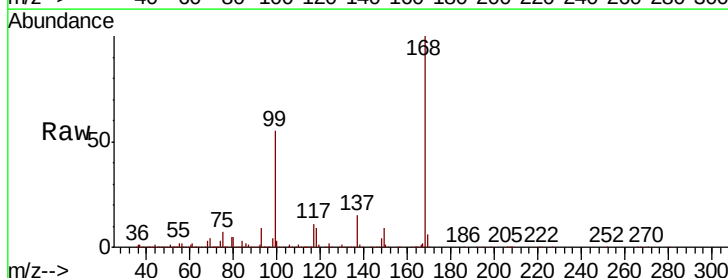
Tgt Ion: 117 Resp: 59903

Ion Ratio Lower Upper

117 100

119 6.5 79.0 118.6#

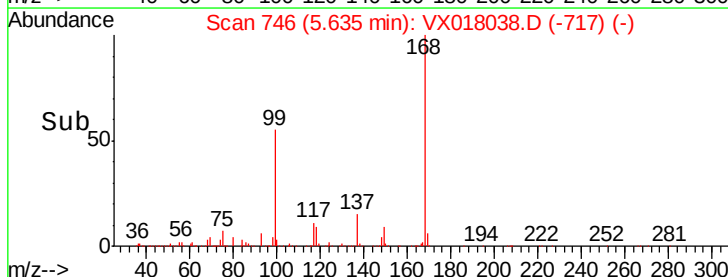
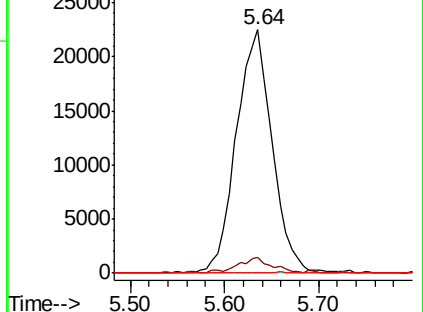
121 0.0 24.7 37.1#

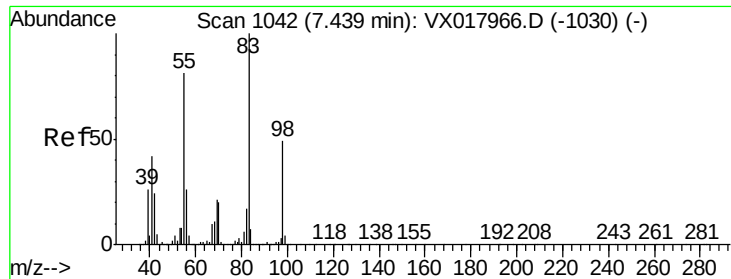


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 0.858 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-418-420

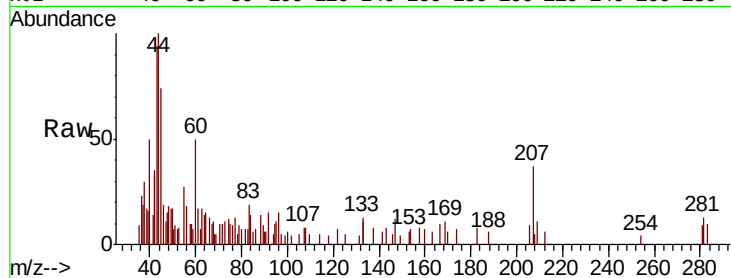
Tot Ion: 83 Resp: 456

Ion Ratio Lower Upper

83 100

55 20.1 64.5 96.7#

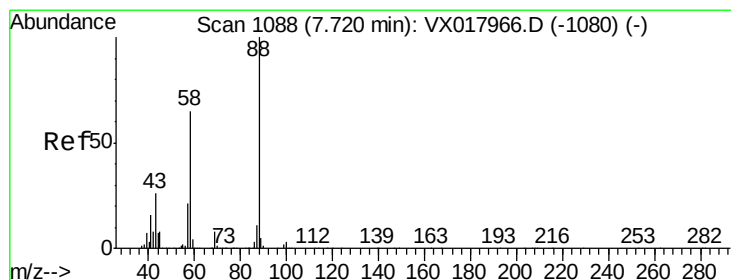
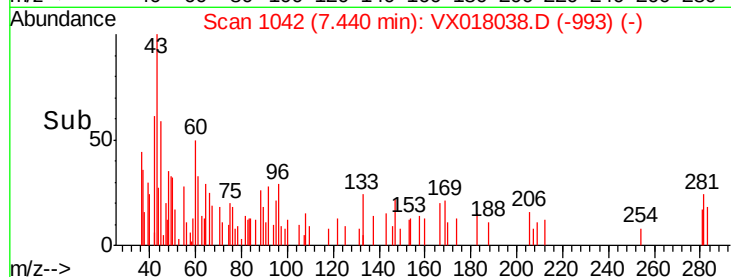
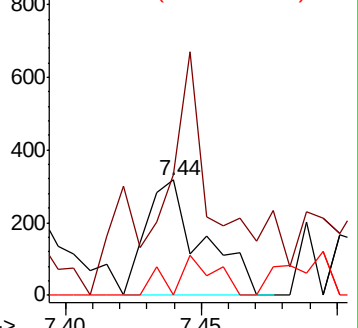
98 11.0 39.0 58.6#



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



#49

1,4-Dioxane

Concen: 0.317 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.02 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

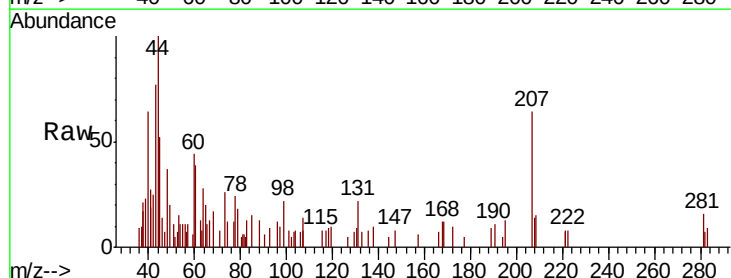
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 575.0 27.3 40.9#

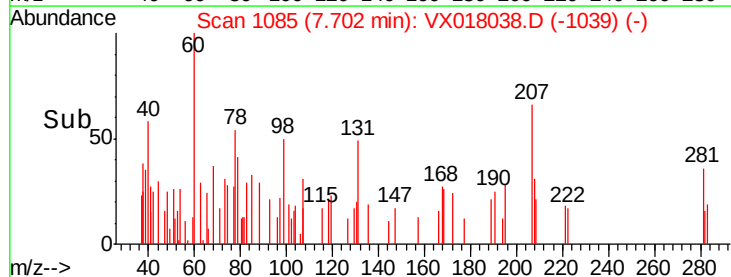
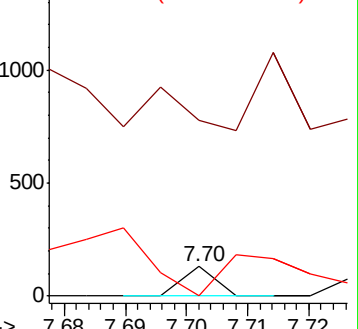
58 385.4 57.7 86.5#

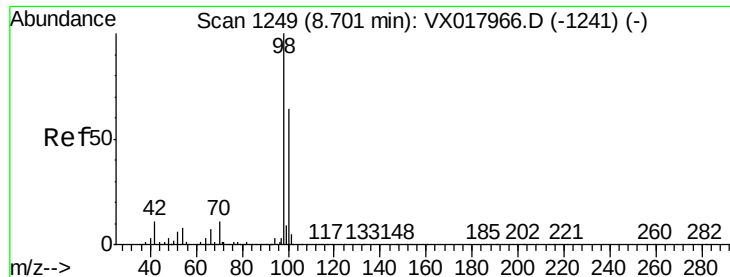


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 46.540 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

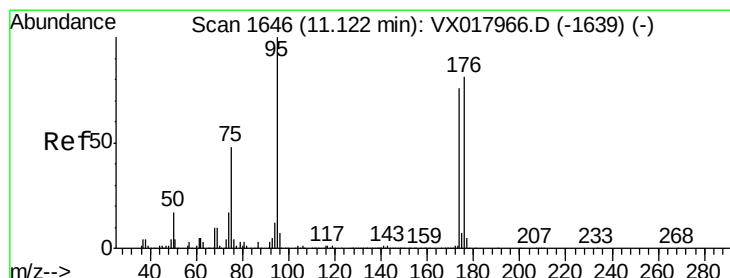
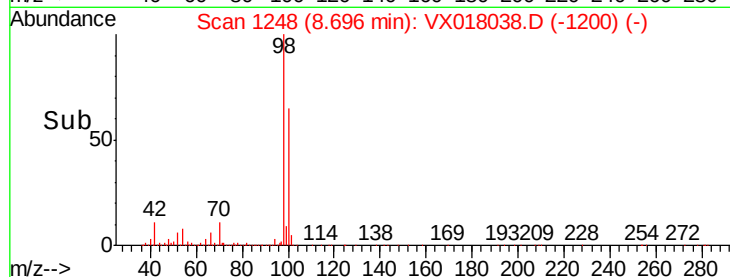
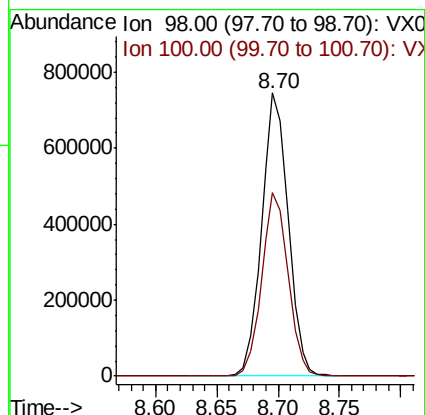
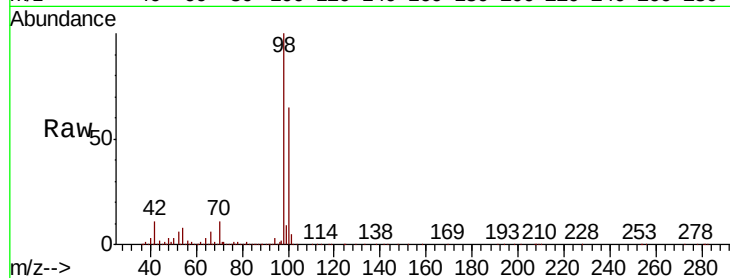
BP-VPB181-GW-418-420

Tot Ion: 98 Resp: 1131483

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 47.564 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

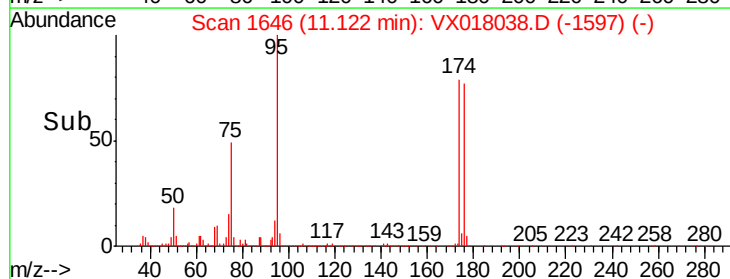
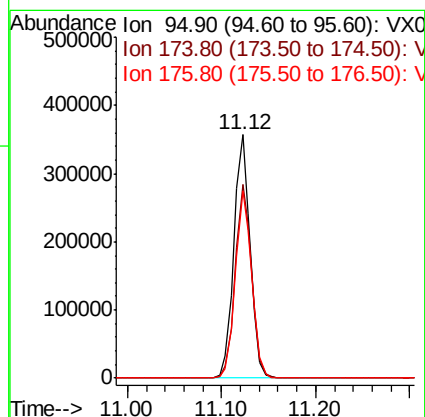
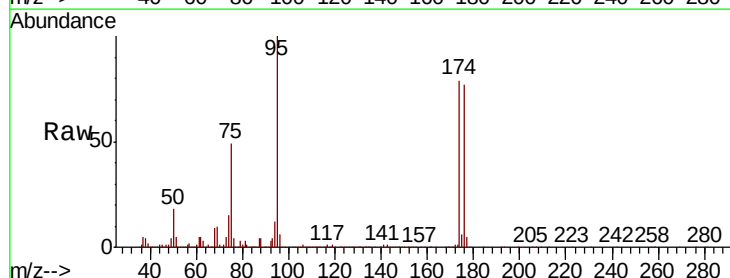
Tgt Ion: 95 Resp: 427102

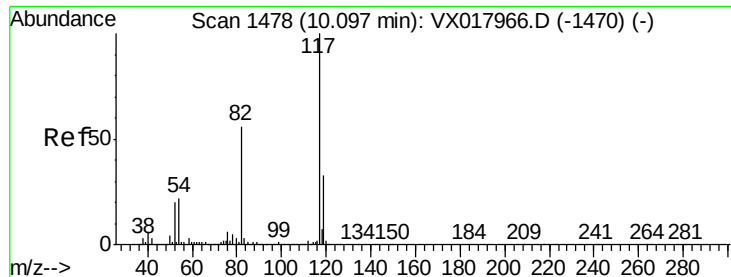
Ion Ratio Lower Upper

95 100

174 79.8 0.0 166.0

176 77.1 0.0 161.0

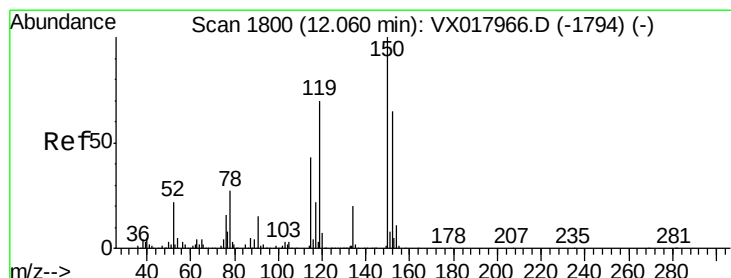
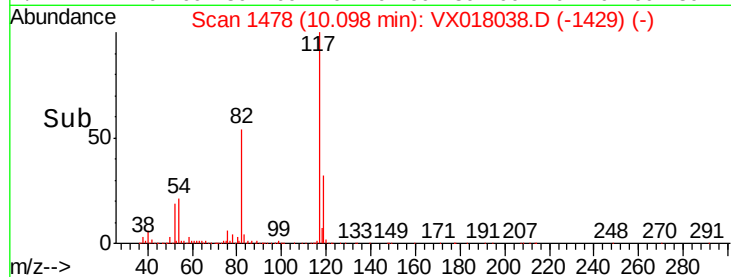
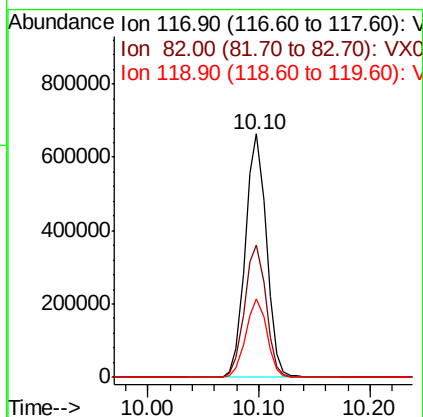
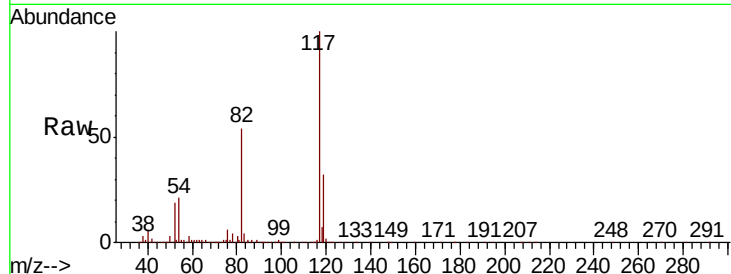




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018038.D
Acq: 20 Aug 2020 16:27

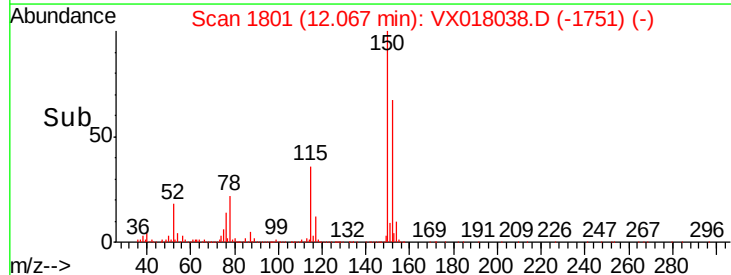
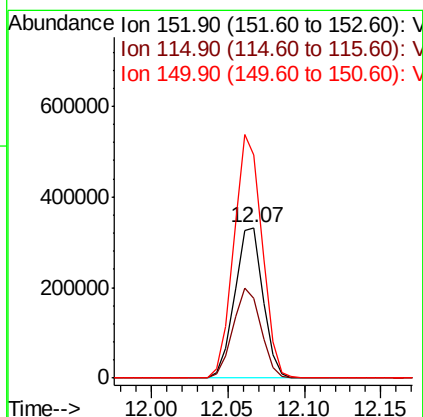
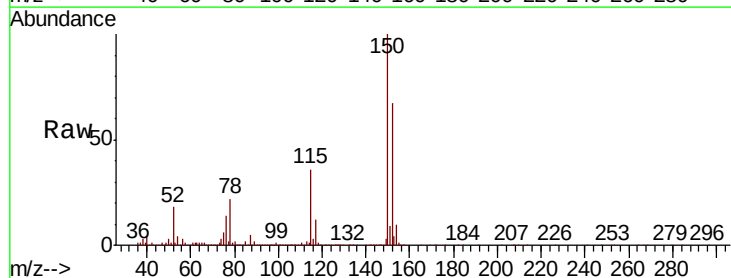
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-418-420

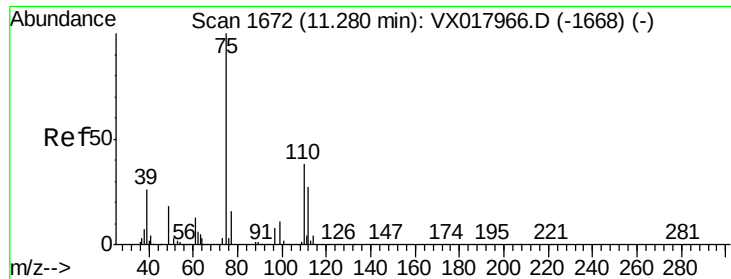
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.6	66.8
119	32.0	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX018038.D
Acq: 20 Aug 2020 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	40.6	121.7
150	160.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 23.364 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

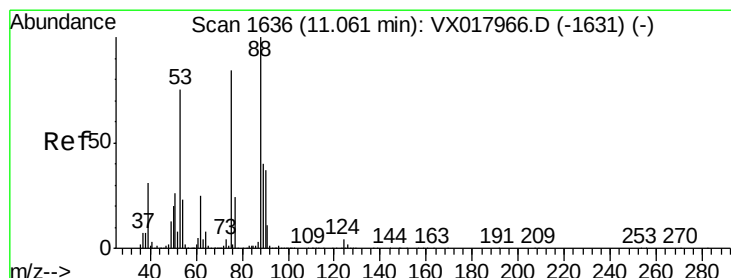
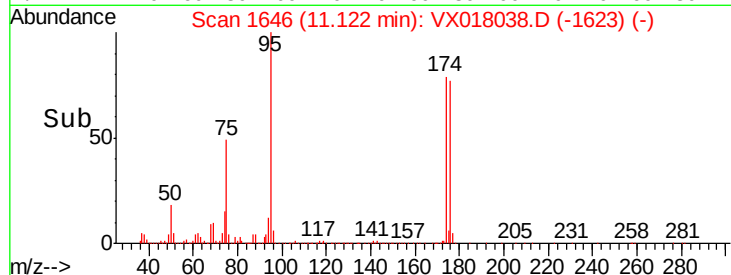
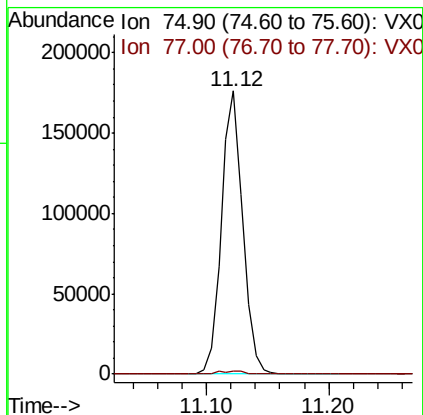
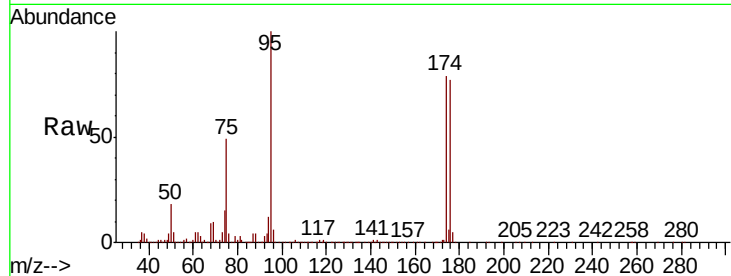
BP-VPB181-GW-418-420

Tot Ion: 75 Resp: 212119

Ion Ratio Lower Upper

75 100

77 1.2 21.1 63.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.379 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018038.D

Acq: 20 Aug 2020 16:27

Tgt Ion: 75 Resp: 212119

Ion Ratio Lower Upper

75 100

53 0.4 75.2 112.8#

89 0.0 38.4 57.6#

