

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018011.D
 Acq On : 20 Aug 2020 02:43
 Operator : JC/SP
 Sample : L3738-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-378-380

Quant Time: Aug 20 04:28:25 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	494184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	775866	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	737944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	358761	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	324295	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	
35) Dibromofluoromethane	5.46	113	272933	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	8.70	98	863937	42.30	ug/l	0.00
Spiked Amount			Recovery	=	84.60%	
62) 4-Bromofluorobenzene	11.12	95	348497	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	

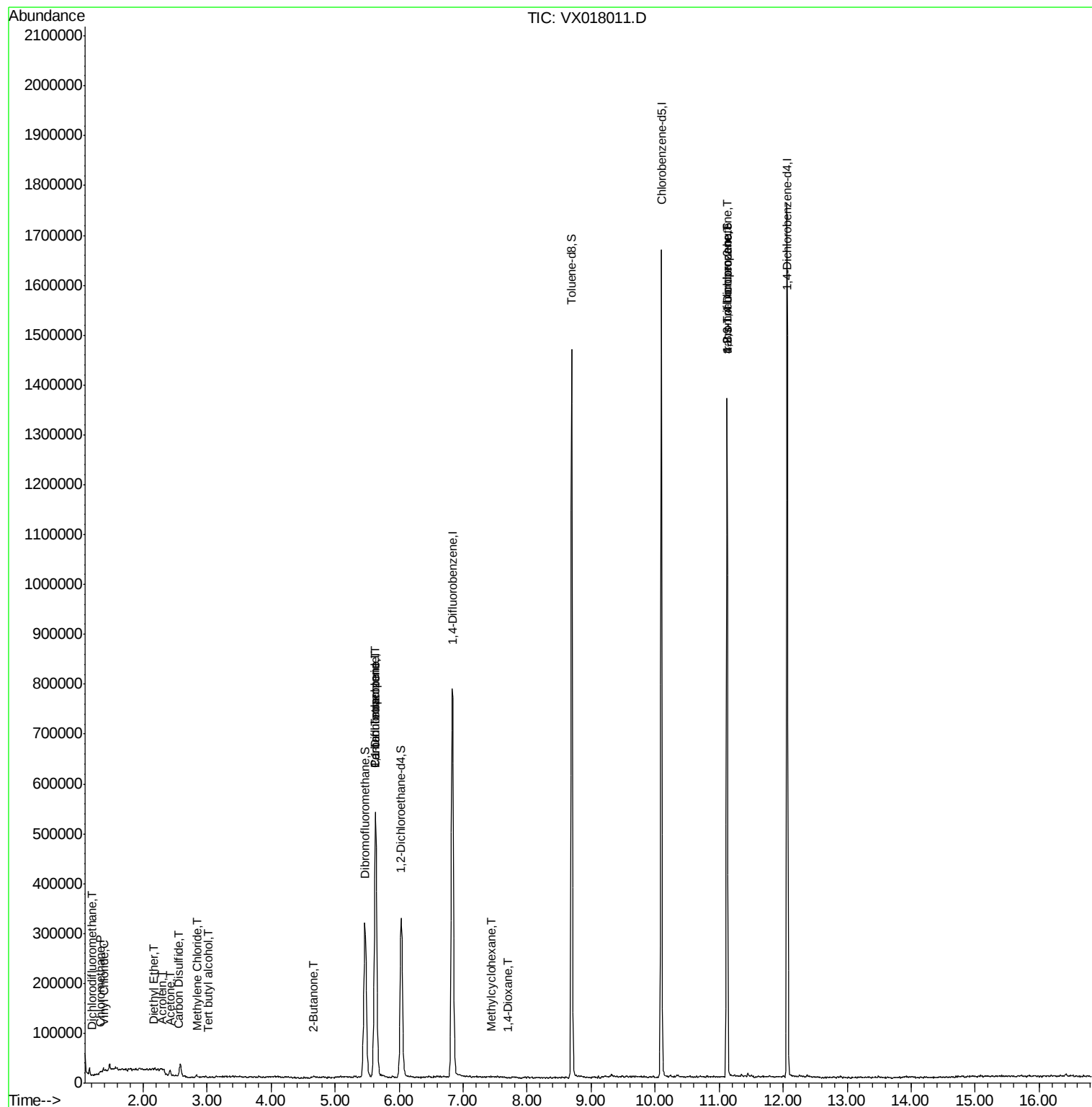
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	257	1.023	ug/l #	44
3) Chloromethane	1.32	50	2387	0.353	ug/l	95
4) Vinyl Chloride	1.39	62	168	2.282	ug/l	96
8) Diethyl Ether	2.17	74	637	0.211	ug/l	56
11) Tert butyl alcohol	3.02	59	423	0.302	ug/l #	71
13) Acrolein	2.29	56	263	0.356	ug/l #	13
16) Acetone	2.42	43	12560	4.407	ug/l	100
17) Carbon Disulfide	2.55	76	3676	0.340	ug/l #	91
20) Methylene Chloride	2.83	84	2031	0.387	ug/l #	80
25) 2-Butanone	4.65	43	1045	0.242	ug/l	99
36) 1,1-Dichloropropene	5.62	75	36884	5.680	ug/l #	52
38) Carbon Tetrachloride	5.63	117	51107	6.081	ug/l #	17
39) Methylcyclohexane	7.43	83	352	0.855	ug/l #	16
49) 1,4-Dioxane	7.71	88	59	0.463	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	177372	23.248	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	177372	61.075	ug/l #	12

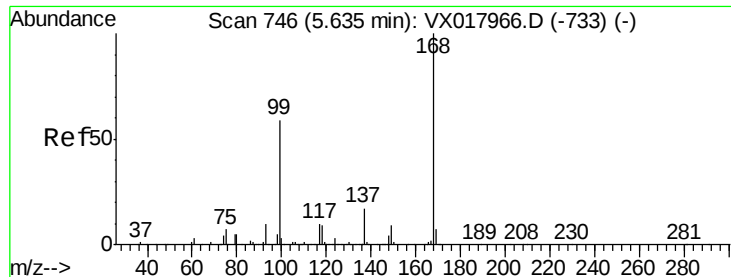
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

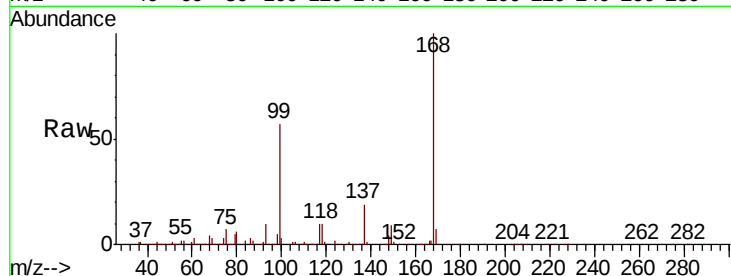
BP-VPB181-GW-378-380

Tot Ion:168 Resp: 494184

Ion Ratio Lower Upper

168 100

99 57.4 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

200000

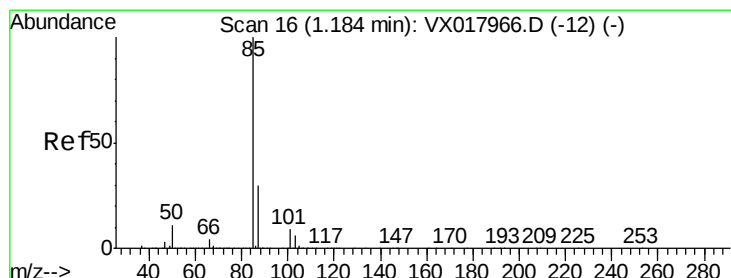
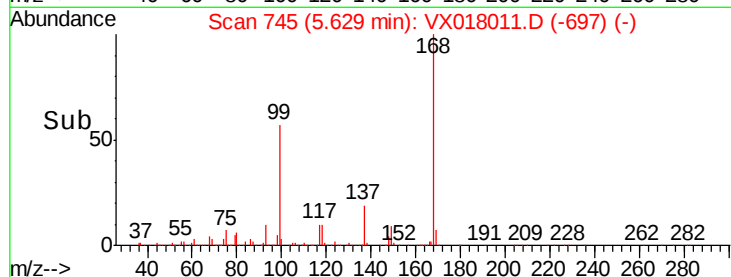
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.023 ug/l

RT: 1.21 min Scan# 20

Delta R.T. 0.03 min

Lab File: VX018011.D

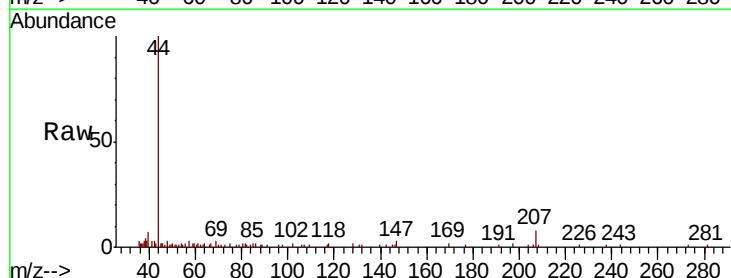
Acq: 20 Aug 2020 02:43

Tgt Ion: 85 Resp: 257

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

250

200

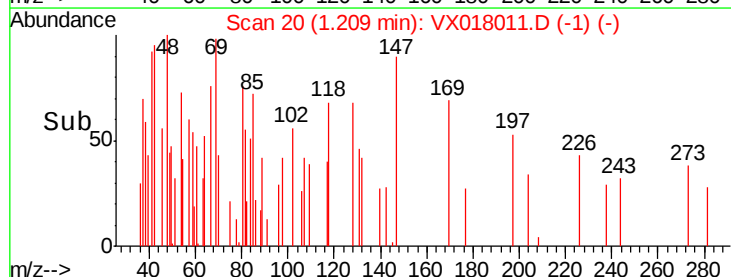
150

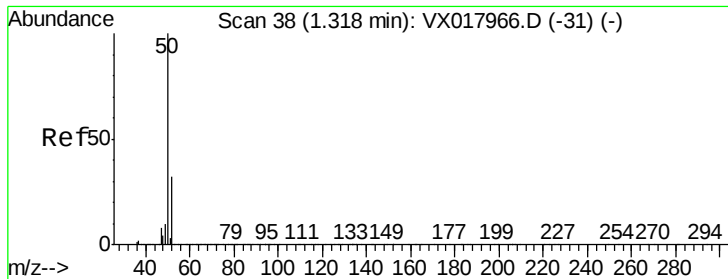
100

50

0

Time-->





#3

Chloromethane

Concen: 0.353 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

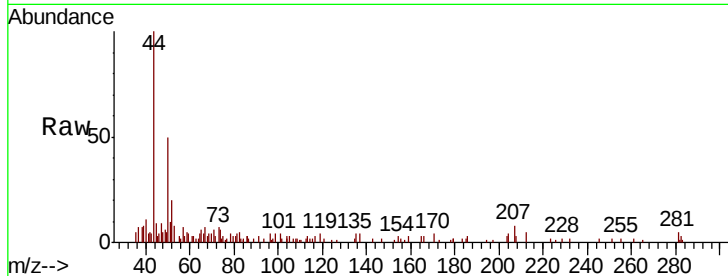
BP-VPB181-GW-378-380

Tot Ion: 50 Resp: 2387

Ion Ratio Lower Upper

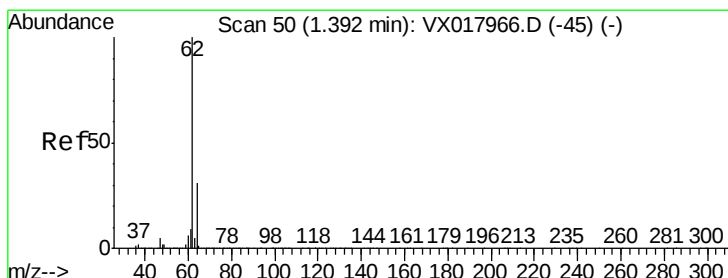
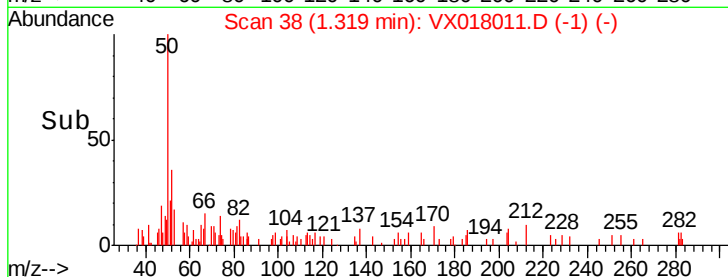
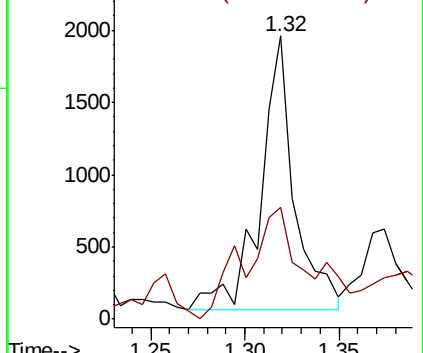
50 100

52 34.7 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: 2.282 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018011.D

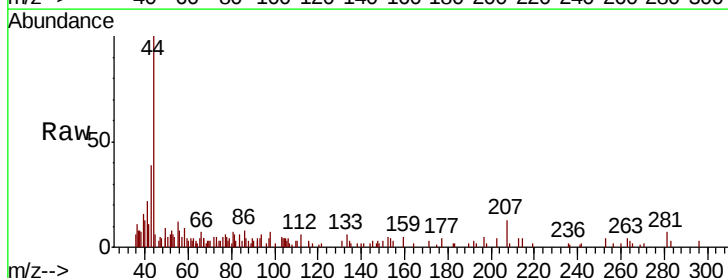
Acq: 20 Aug 2020 02:43

Tgt Ion: 62 Resp: 168

Ion Ratio Lower Upper

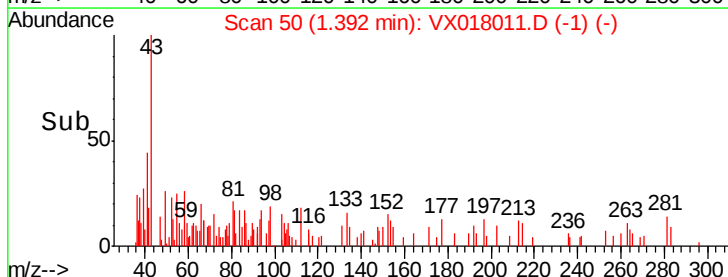
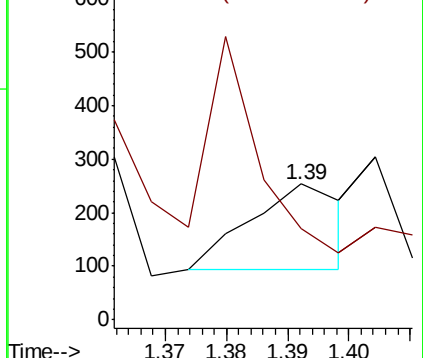
62 100

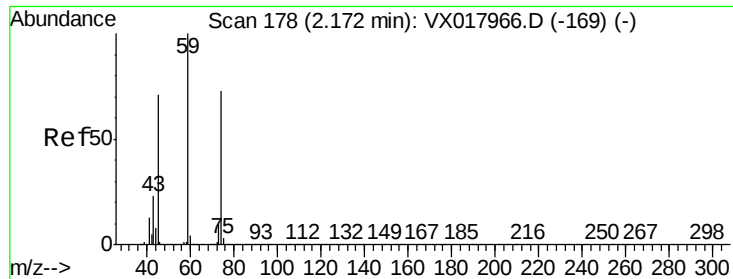
64 28.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#8

Diethyl Ether

Concen: 0.211 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

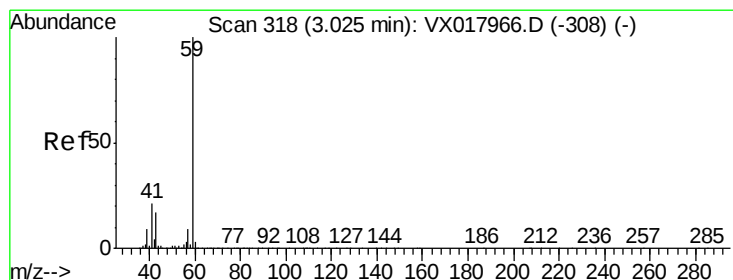
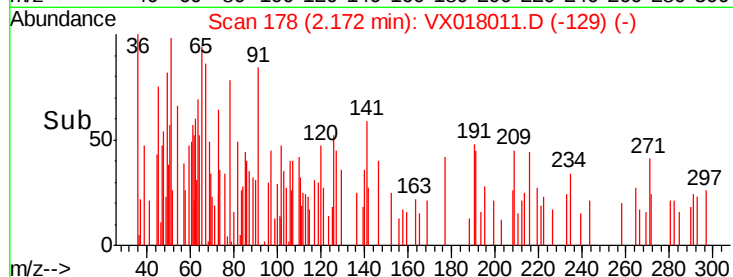
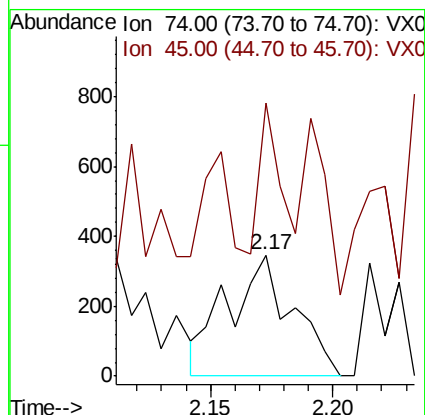
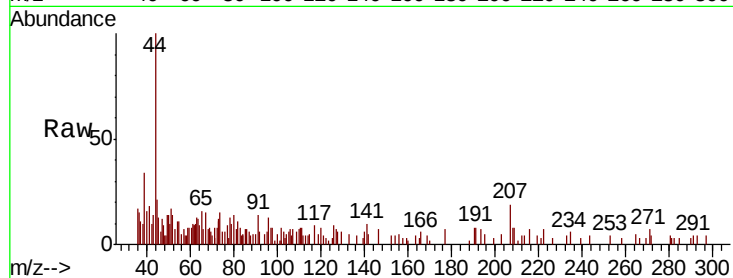
BP-VPB181-GW-378-380

Tot Ion: 74 Resp: 637

Ion Ratio Lower Upper

74 100

45 56.5 50.5 151.6



#11

Tert butyl alcohol

Concen: 0.302 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.01 min

Lab File: VX018011.D

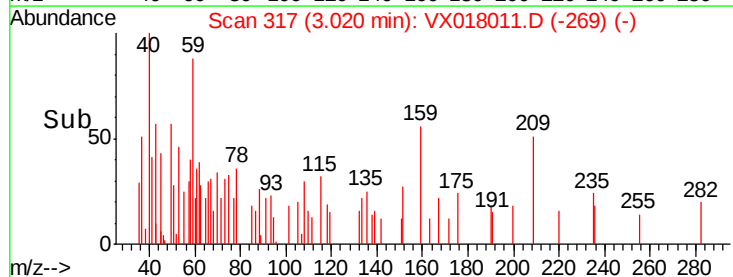
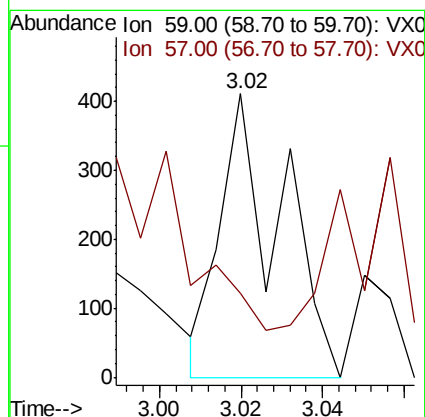
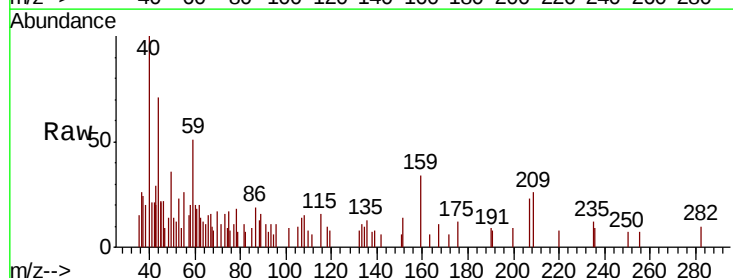
Acq: 20 Aug 2020 02:43

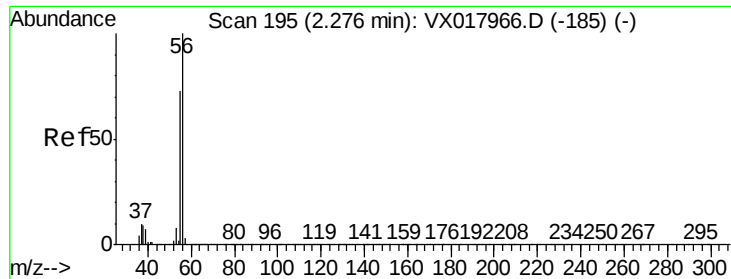
Tgt Ion: 59 Resp: 423

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#

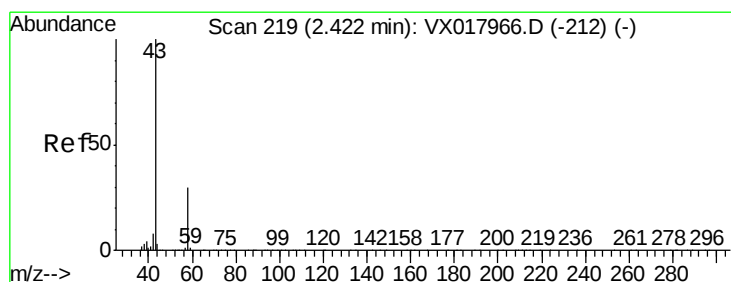
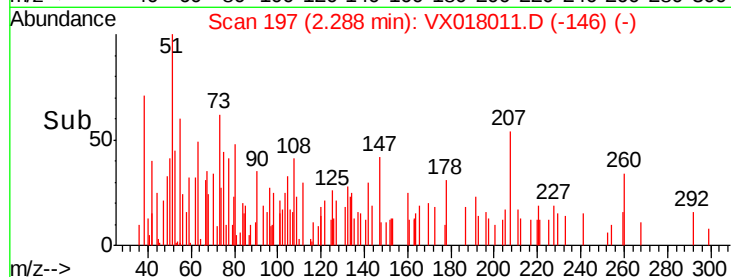
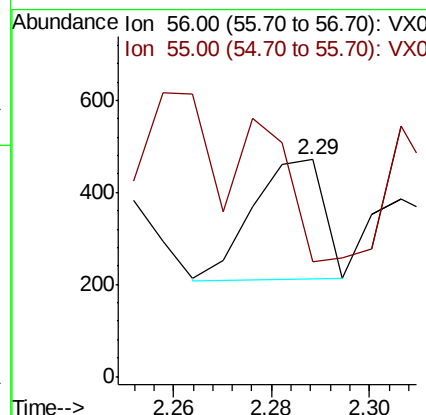
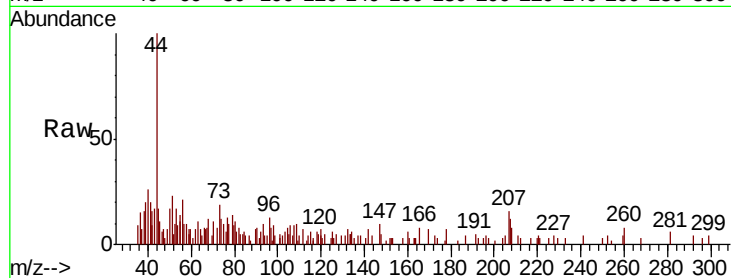




#13
Acrolein
Concen: 0.356 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

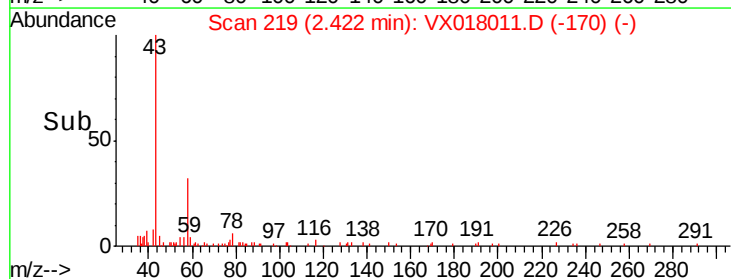
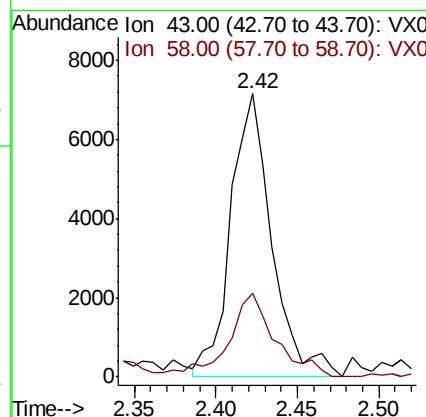
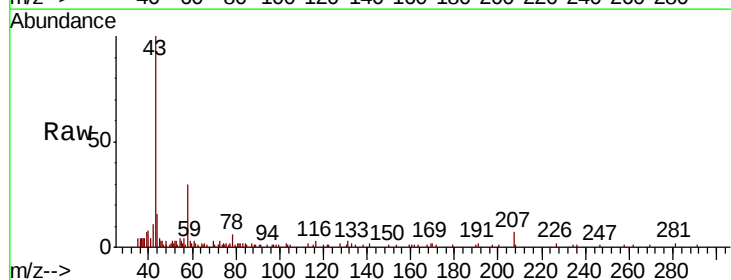
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-378-380

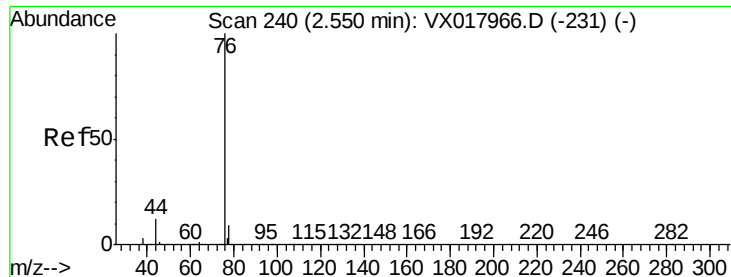
Tot Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#



#16
Acetone
Concen: 4.407 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

Tgt Ion: 43 Resp: 12560
Ion Ratio Lower Upper
43 100
58 29.6 23.8 35.8





#17

Carbon Disulfide

Concen: 0.340 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

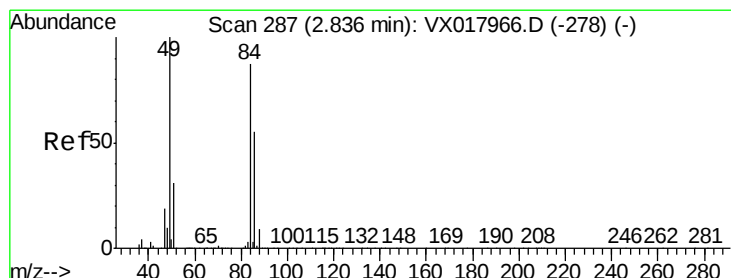
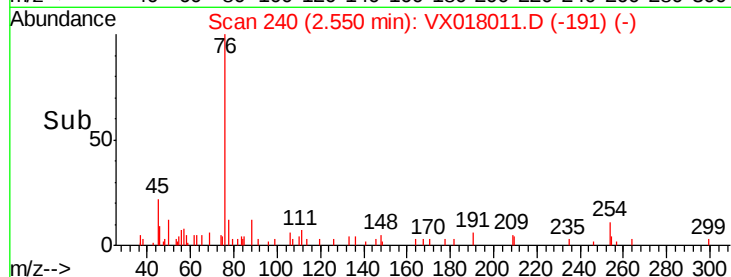
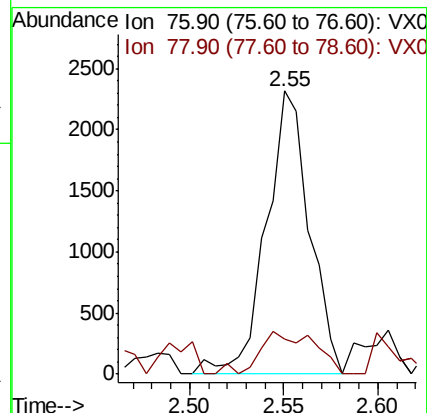
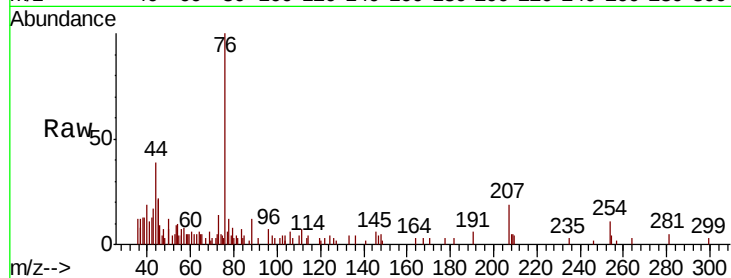
BP-VPB181-GW-378-380

Tot Ion: 76 Resp: 3676

Ion Ratio Lower Upper

76 100

78 12.3 7.3 10.9#



#20

Methylene Chloride

Concen: 0.387 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Tgt Ion: 84 Resp: 2031

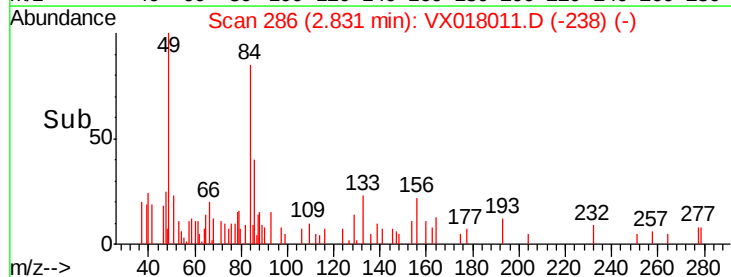
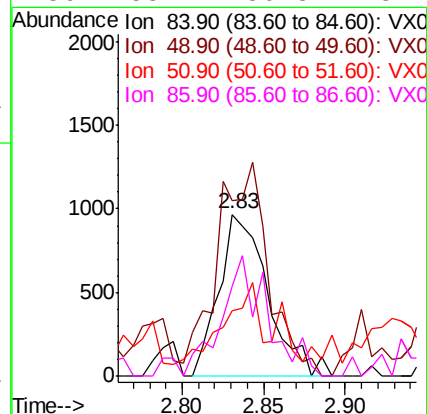
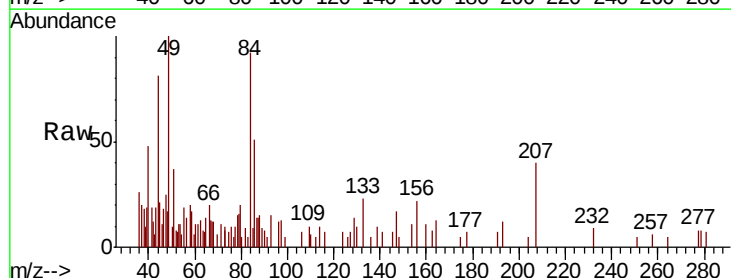
Ion Ratio Lower Upper

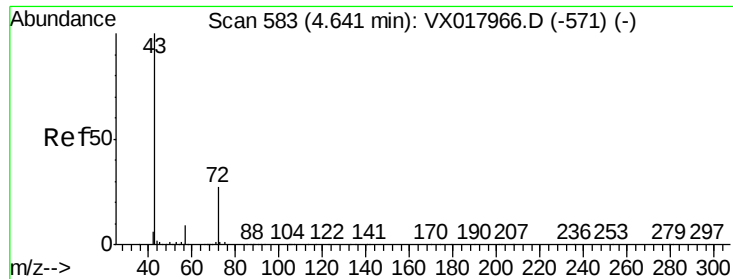
84 100

49 81.8 91.8 137.6#

51 32.5 27.8 41.8

86 55.7 50.5 75.7

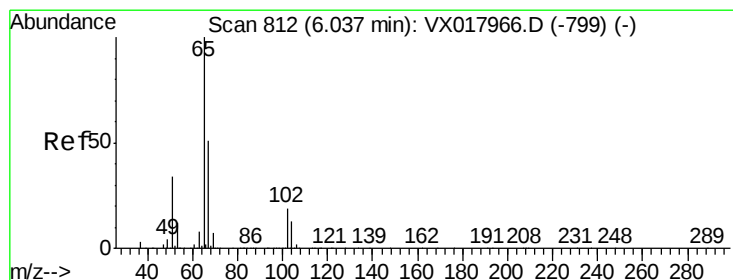
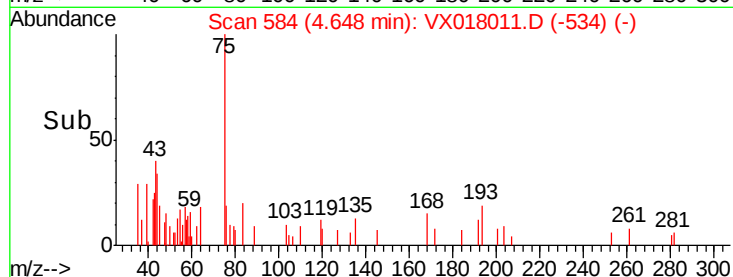
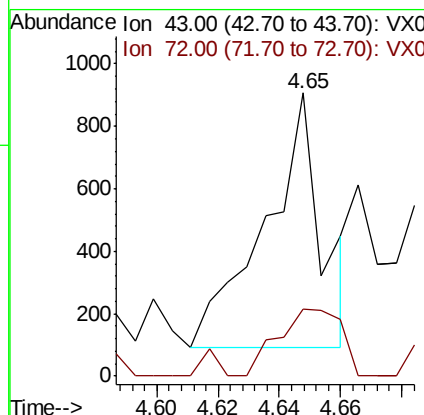
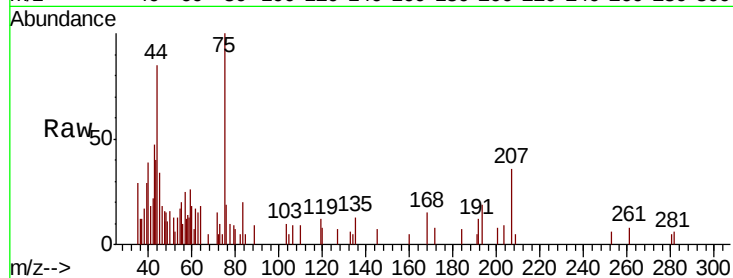




#25
2-Butanone
Concen: 0.242 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

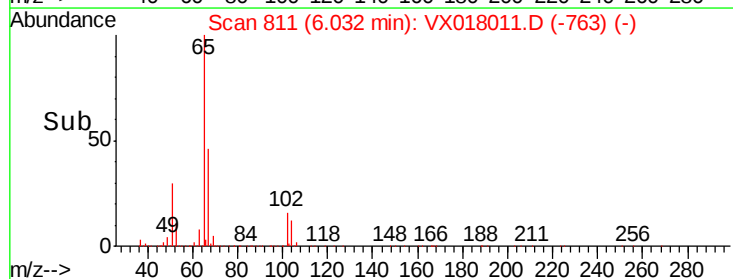
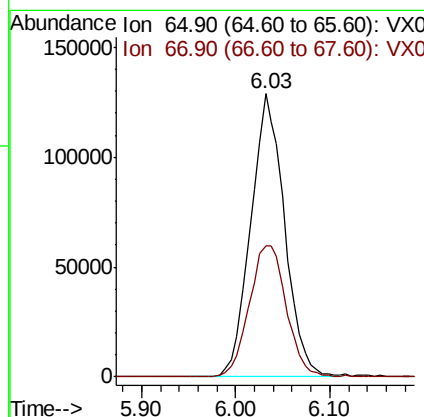
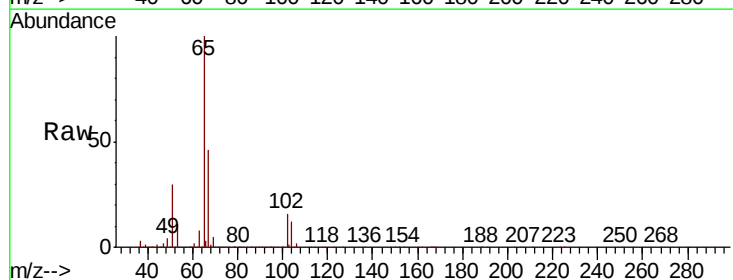
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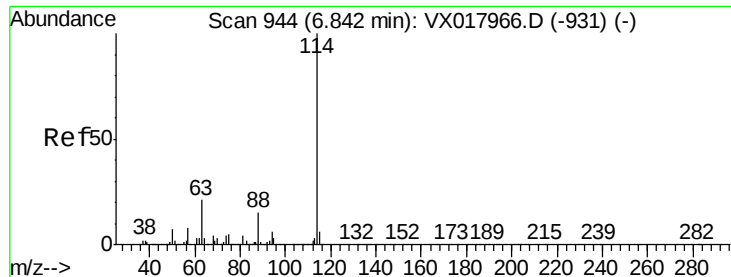
Tot Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
72 26.4 21.4 32.2



#33
1,2-Dichloroethane-d4
Concen: 44.765 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

Tgt Ion: 65 Resp: 324295
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-378-380

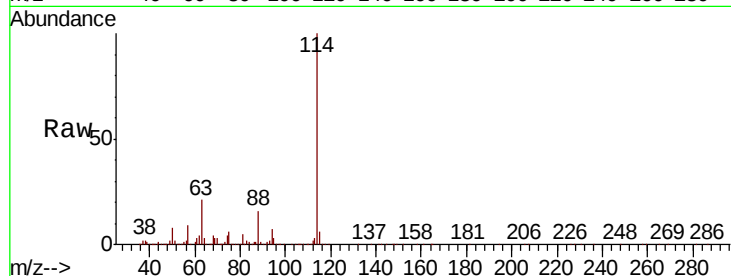
Tot Ion:114 Resp: 775866

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

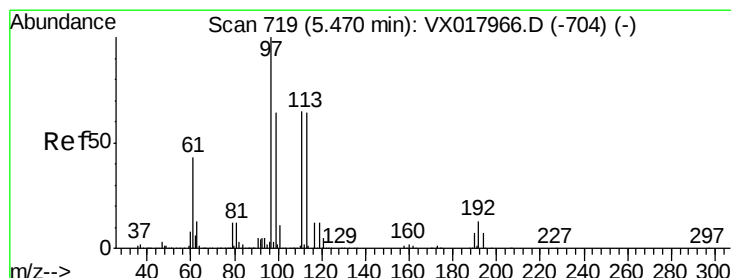
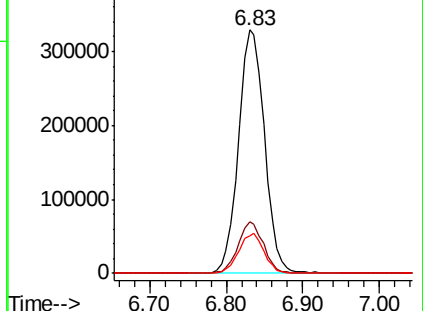
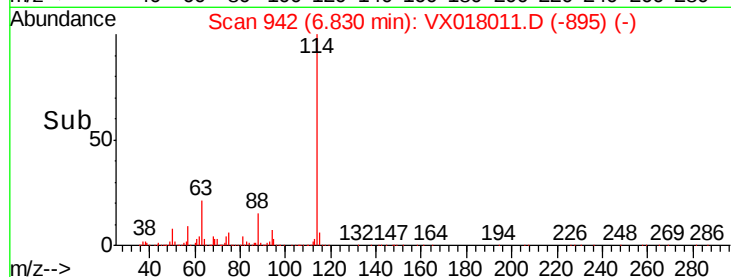
88 15.5 0.0 30.2



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: 47.239 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

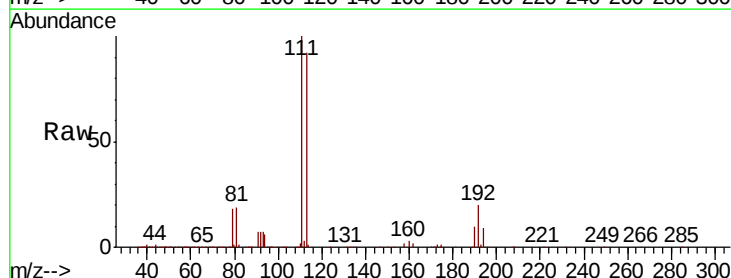
Tgt Ion:113 Resp: 272933

Ion Ratio Lower Upper

113 100

111 102.6 83.5 125.3

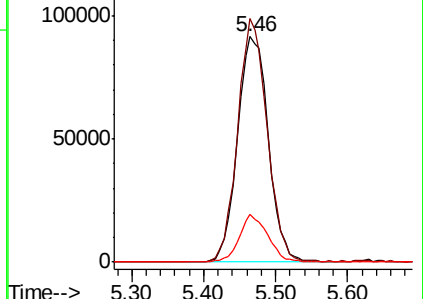
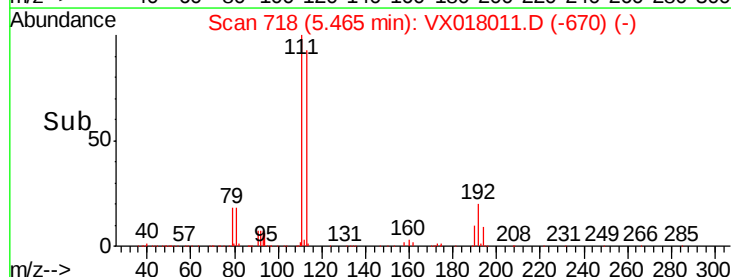
192 19.3 16.2 24.4

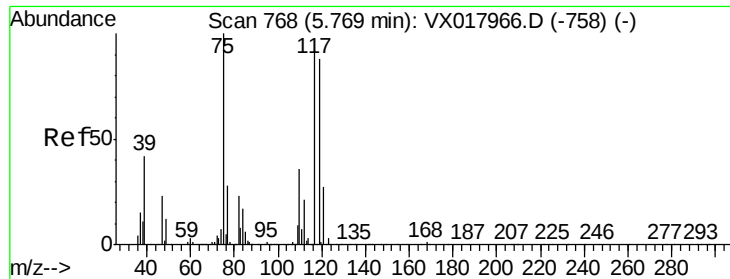


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.680 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-378-380

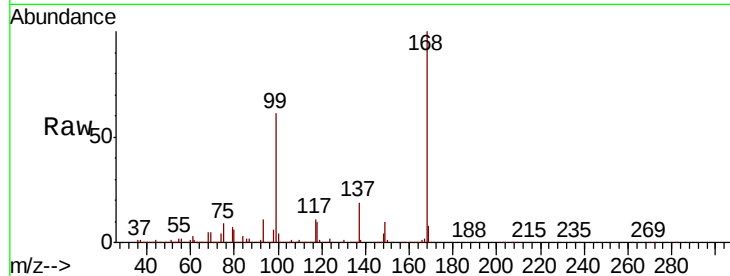
Tot Ion: 75 Resp: 36884

Ion Ratio Lower Upper

75 100

110 12.3 18.7 56.1#

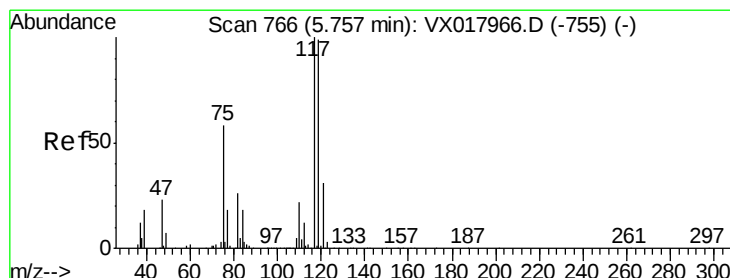
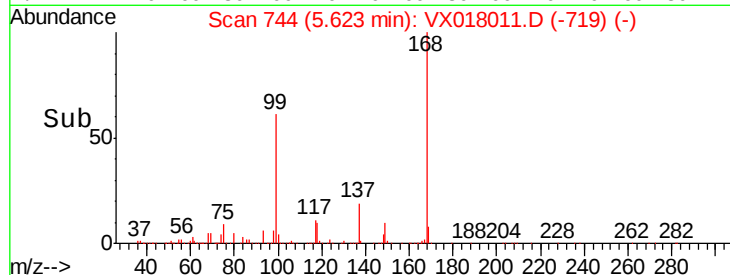
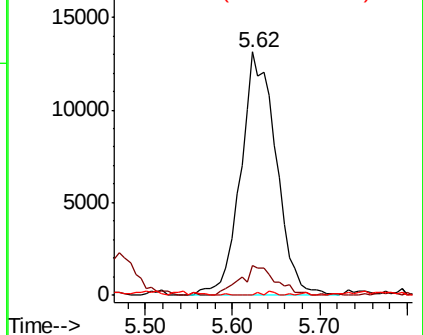
77 0.6 24.4 36.6#



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: 6.081 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

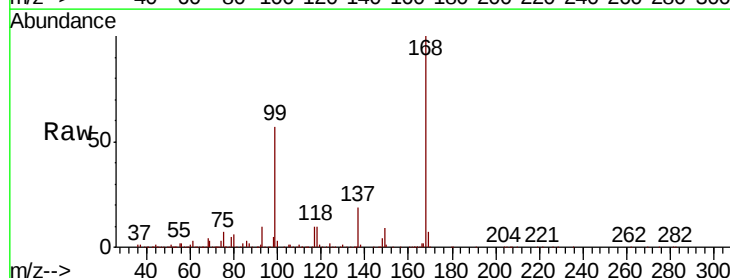
Tgt Ion: 117 Resp: 51107

Ion Ratio Lower Upper

117 100

119 7.9 79.0 118.6#

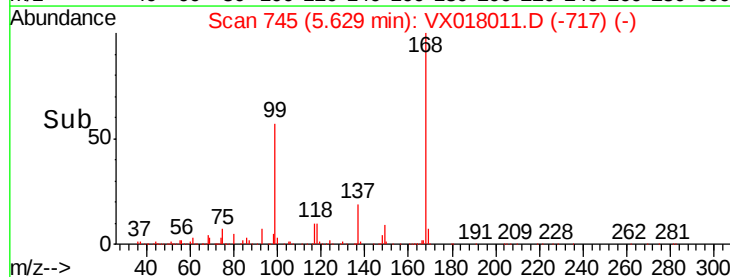
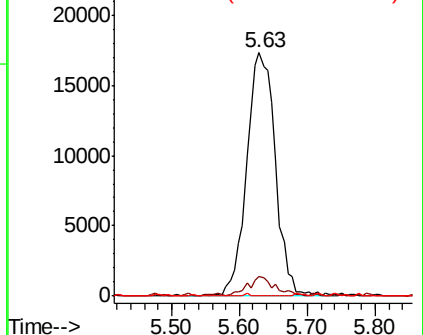
121 0.0 24.7 37.1#

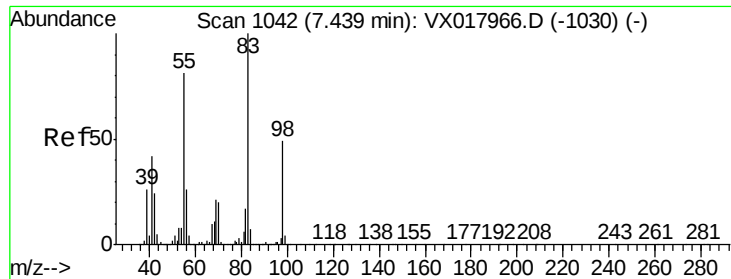


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

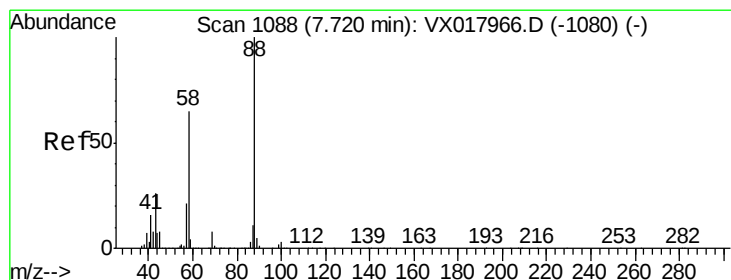
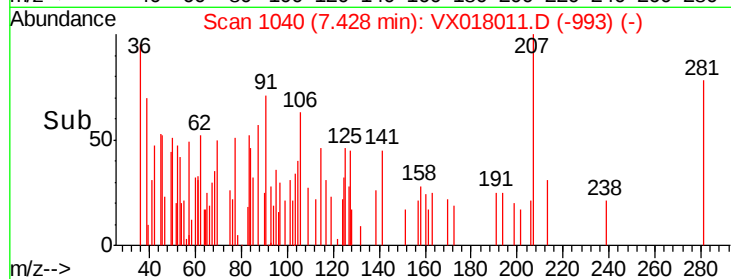
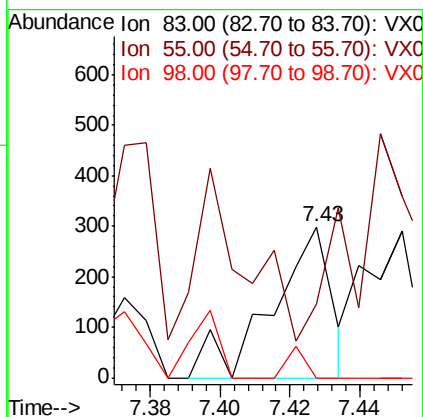
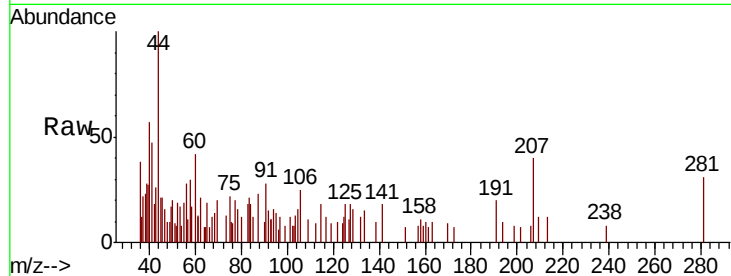




#39
Methylcyclohexane
Concen: 0.855 ug/l
RT: 7.43 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

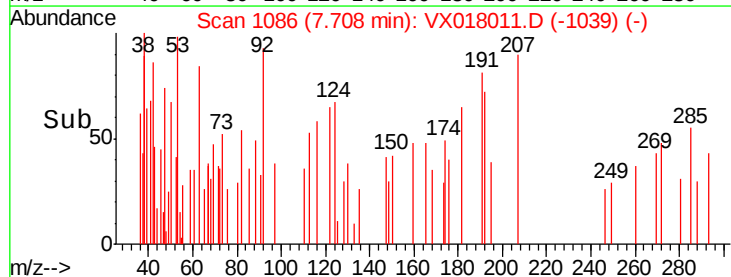
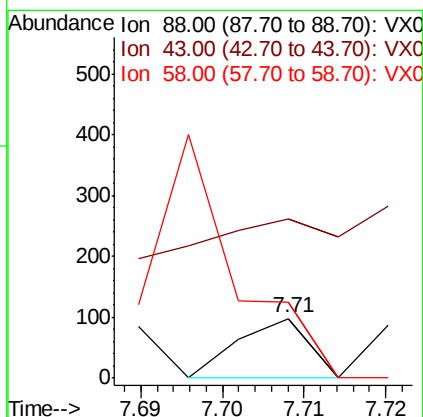
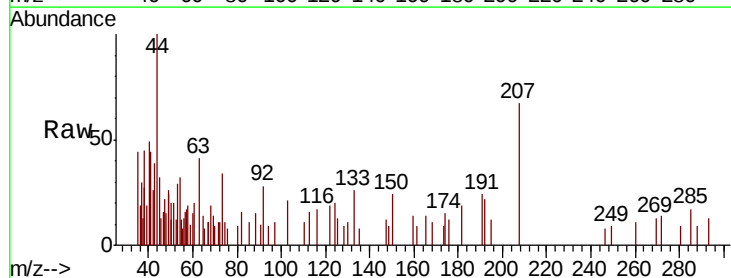
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-378-380

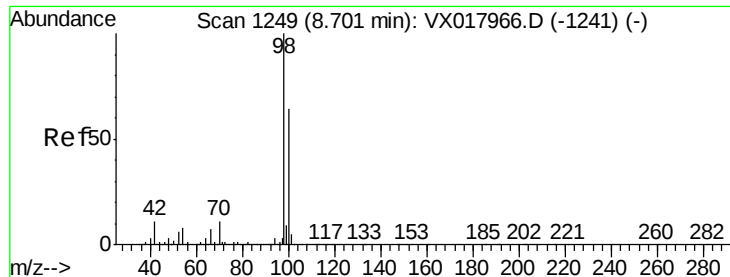
Tot Ion	83.00	Resp:	352
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.5	96.7#
98	0.0	39.0	58.6#



#49
1,4-Dioxane
Concen: 0.463 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

Tgt Ion	88.00	Resp:	59
Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.3	40.9#
58	216.9	57.7	86.5#





#50

Toluene-d8

Concen: 42.302 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

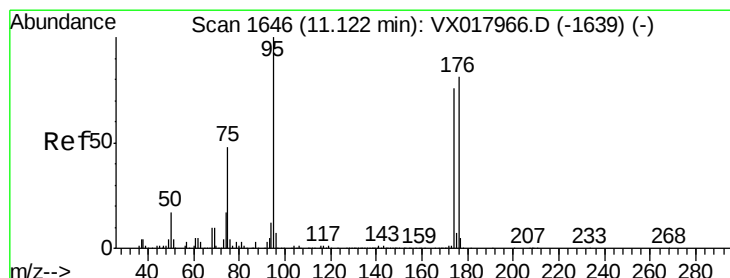
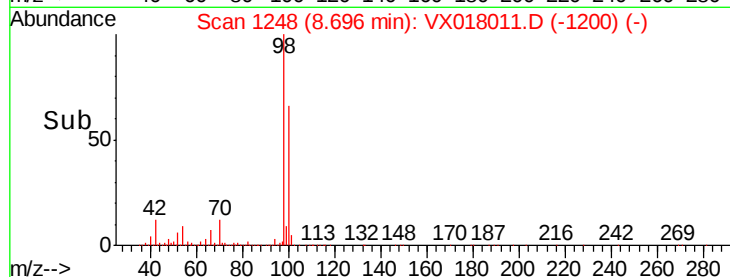
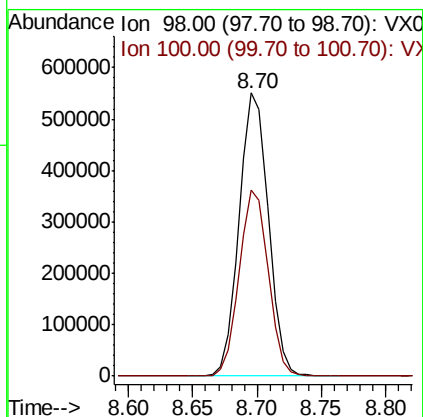
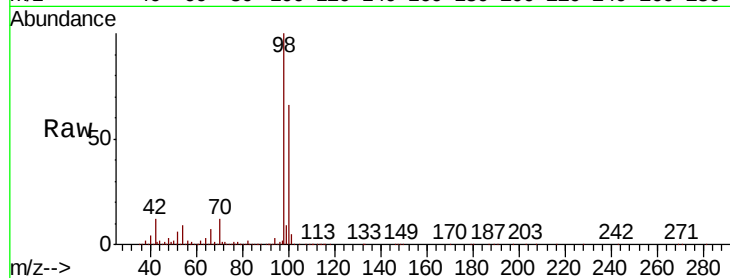
BP-VPB181-GW-378-380

Tot Ion: 98 Resp: 863937

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 46.201 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

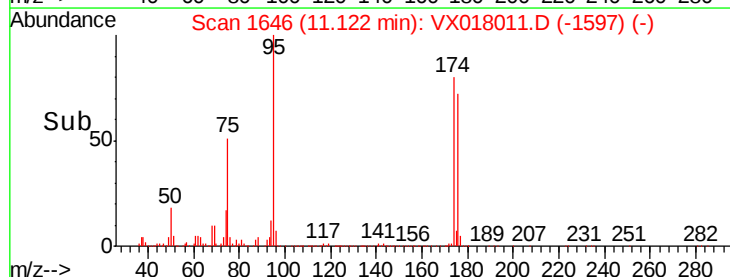
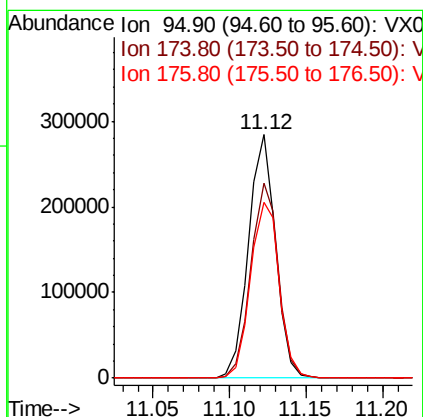
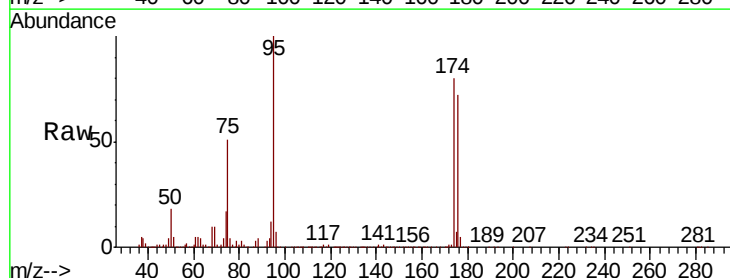
Tgt Ion: 95 Resp: 348497

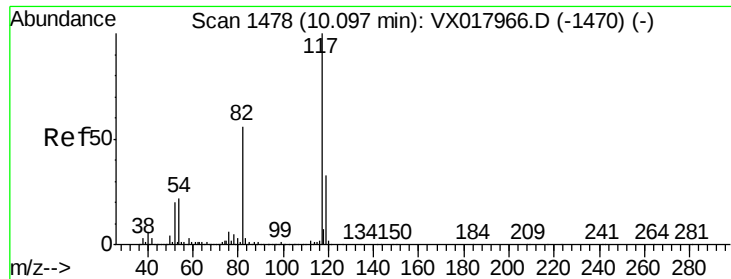
Ion Ratio Lower Upper

95 100

174 82.4 0.0 166.0

176 77.1 0.0 161.0

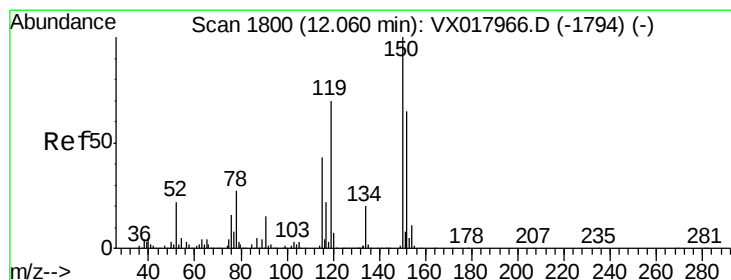
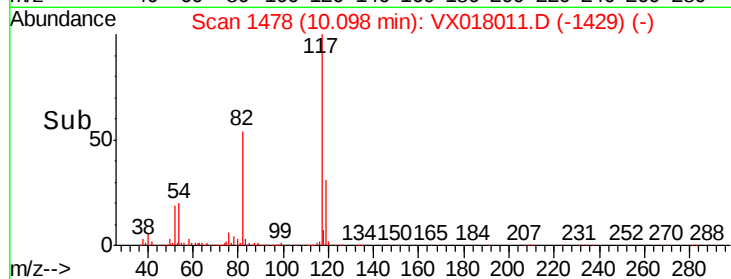
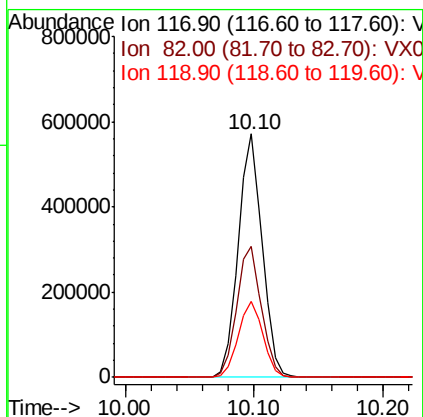
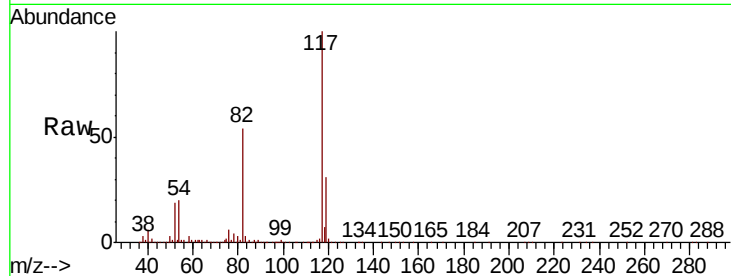




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

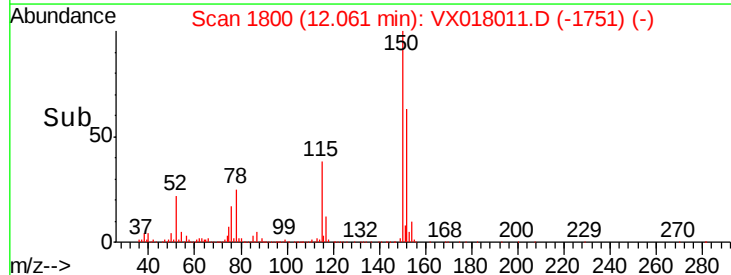
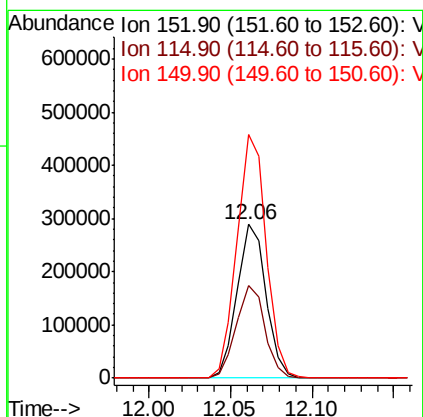
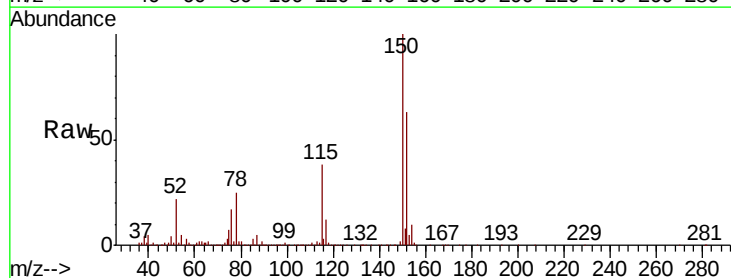
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-378-380

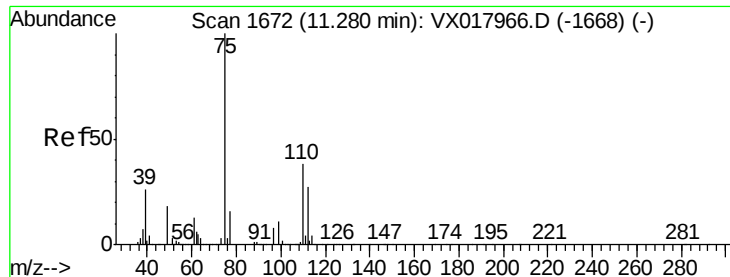
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	66.8
119	31.3	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018011.D
Acq: 20 Aug 2020 02:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	40.6	121.7
150	159.9	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 23.248 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

Instrument :

MSVOA_X

ClientSampleId :

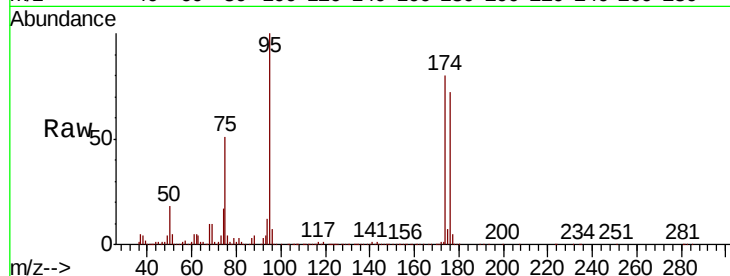
BP-VPB181-GW-378-380

Tot Ion: 75 Resp: 177372

Ion Ratio Lower Upper

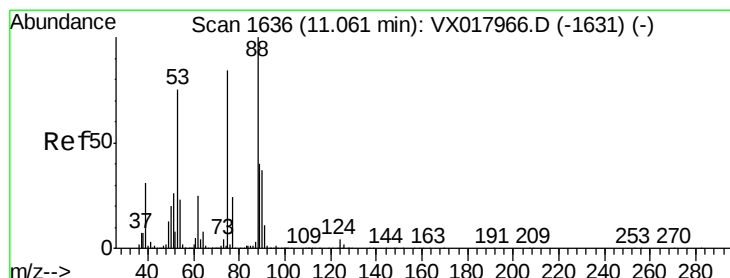
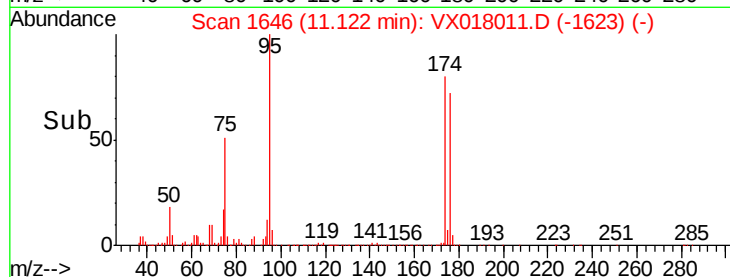
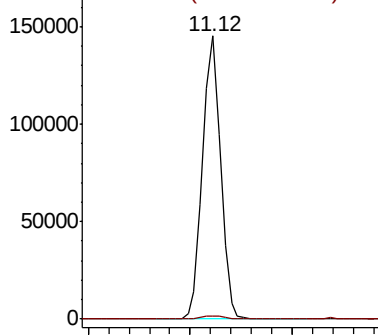
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 61.075 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018011.D

Acq: 20 Aug 2020 02:43

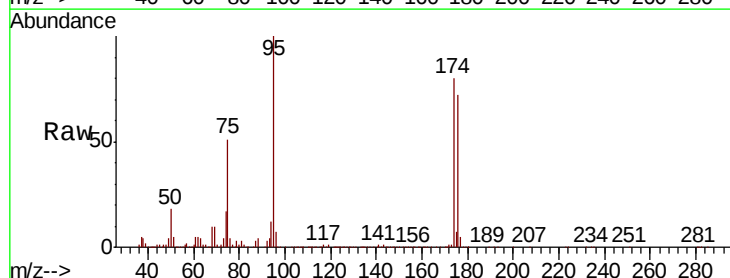
Tgt Ion: 75 Resp: 177372

Ion Ratio Lower Upper

75 100

53 0.6 75.2 112.8#

89 0.0 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

