

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082720\
 Data File : VX018102.D
 Acq On : 27 Aug 2020 19:22
 Operator : JC/SP
 Sample : L3820-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-658-660

Quant Time: Aug 28 03:05:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	625463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1056520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1010014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	449319	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	425978	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.47	113	337783	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	8.70	98	1289107	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.12	95	479605	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

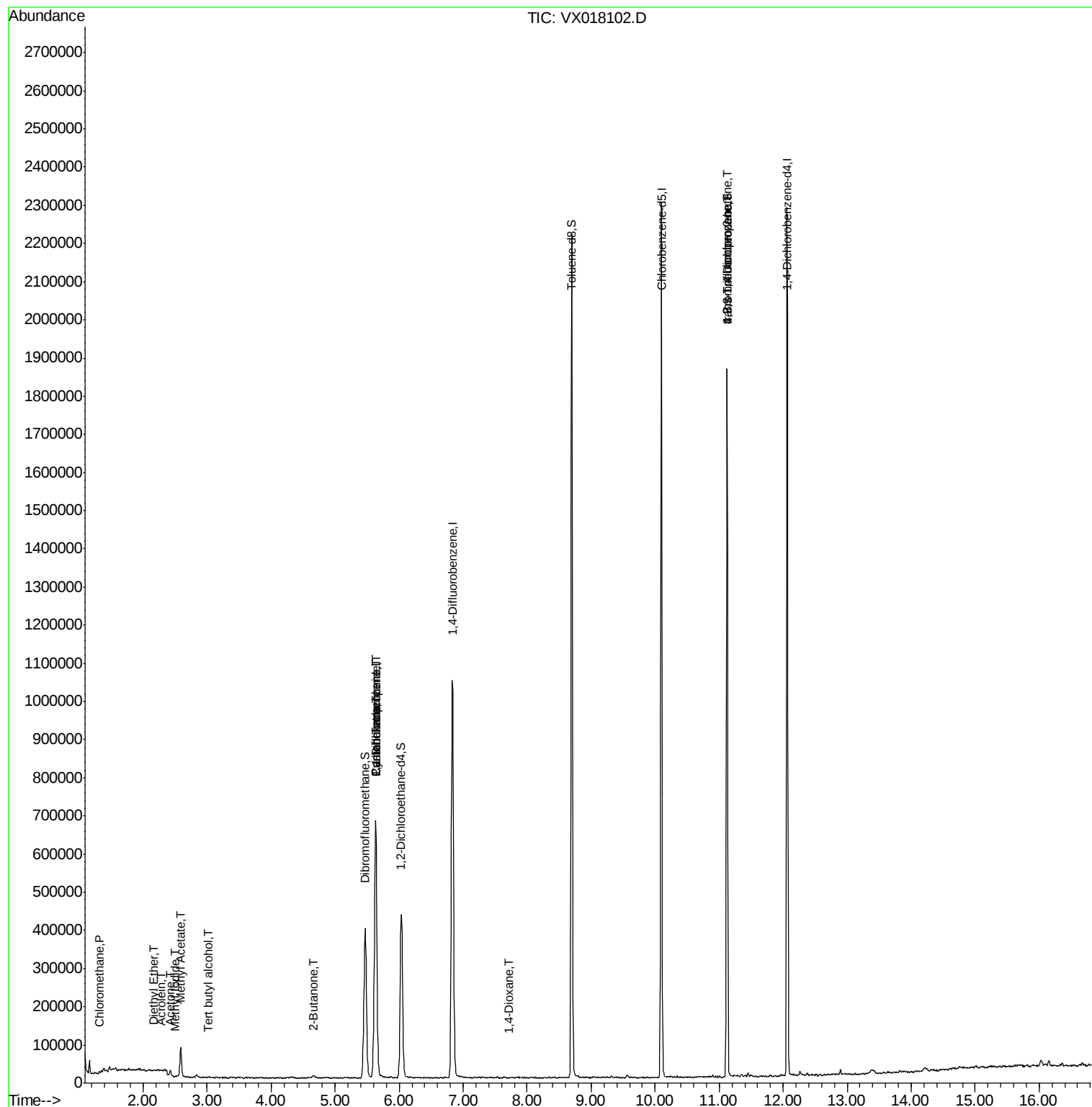
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2183	0.272	ug/l	100
8) Diethyl Ether	2.17	74	950	0.257	ug/l	97
10) Methyl Iodide	2.50	142	664	5.381	ug/l #	92
11) Tert butyl alcohol	3.02	59	583	0.345	ug/l #	71
13) Acrolein	2.28	56	913	1.304	ug/l #	77
16) Acetone	2.42	43	15546	4.595	ug/l	90
18) Methyl Acetate	2.59	43	20476	2.508	ug/l #	55
20) Methylene Chloride	2.84	84	3811	Below Cal		90
25) 2-Butanone	4.65	43	4713	0.848	ug/l #	73
31) Cyclohexane	5.63	56	13306	1.280	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	48068	4.933	ug/l #	53
38) Carbon Tetrachloride	5.64	117	66501	6.055	ug/l #	17
49) 1,4-Dioxane	7.71	88	154	0.934	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	238333	23.845	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	238333	64.400	ug/l #	12

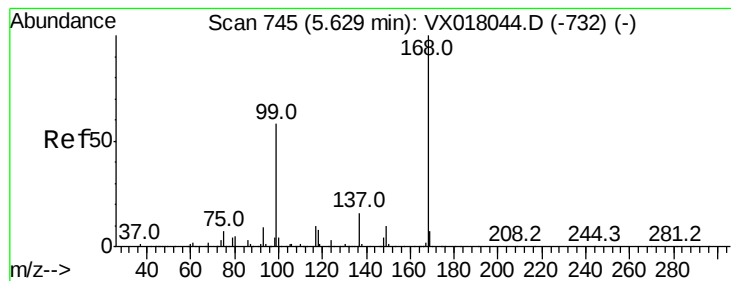
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082720\
Data File : VX018102.D
Acq On : 27 Aug 2020 19:22
Operator : JC/SP
Sample : L3820-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-658-660

Quant Time: Aug 28 03:05:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

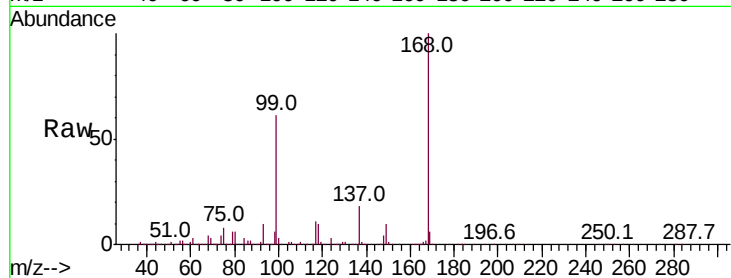
BP-VPB181-GW-658-660

Tot Ion:168 Resp: 625463

Ion Ratio Lower Upper

168 100

99 61.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

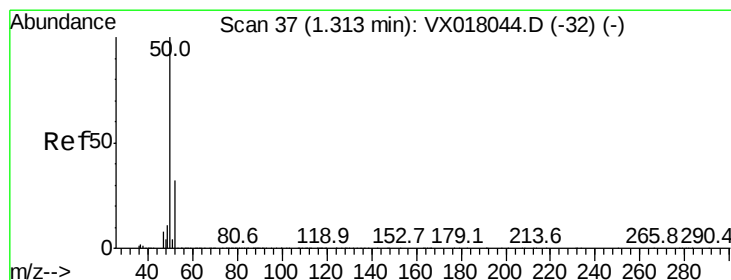
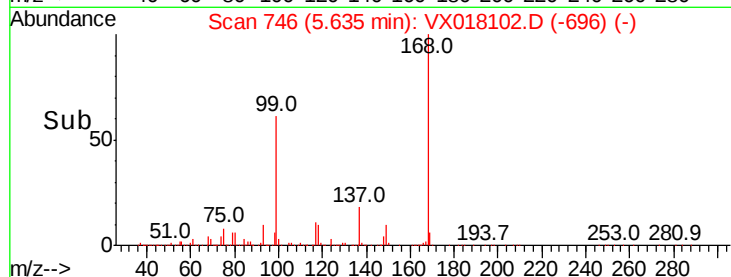
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018102.D

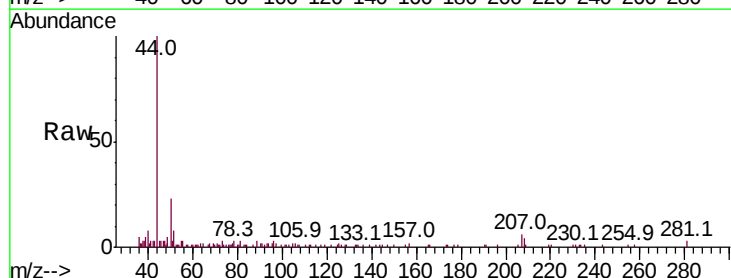
Acq: 27 Aug 2020 19:22

Tgt Ion: 50 Resp: 2183

Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

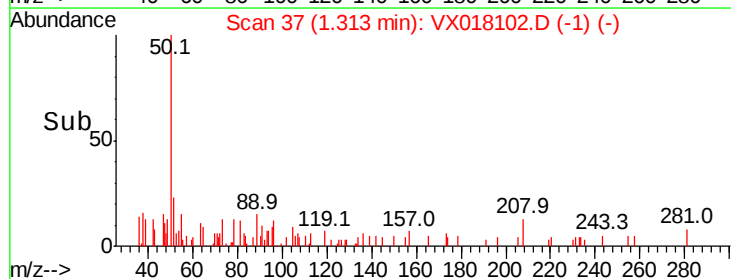
1500

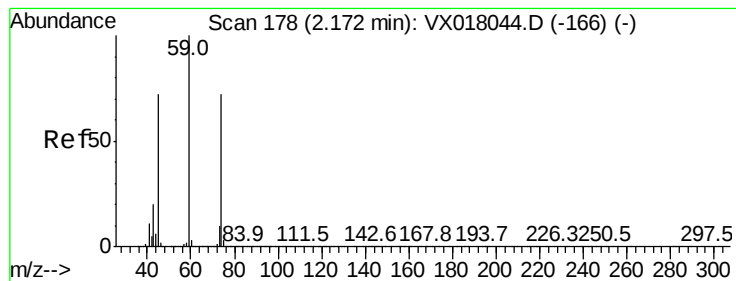
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.257 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

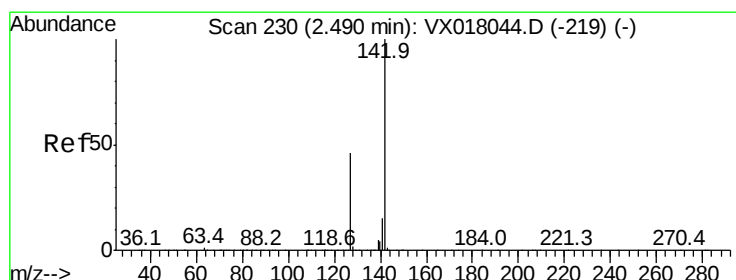
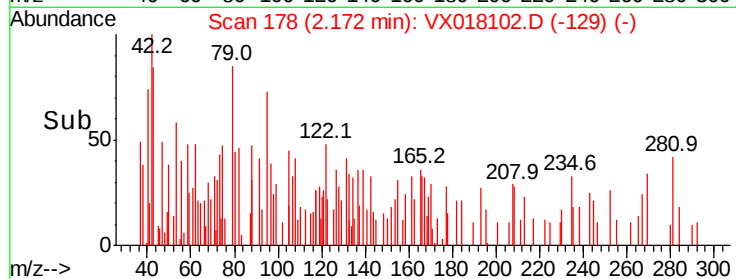
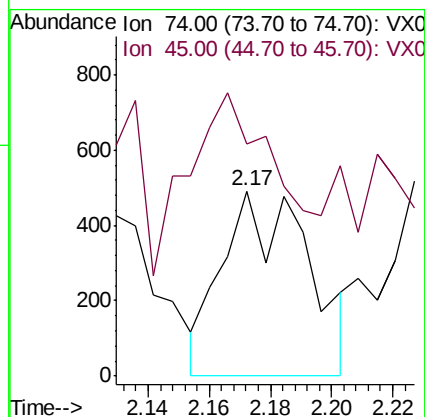
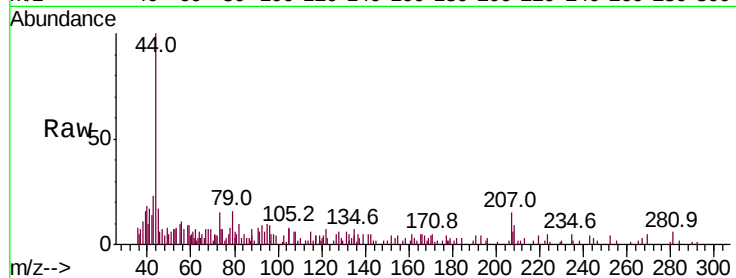
BP-VPB181-GW-658-660

Tot Ion: 74 Resp: 950

Ion Ratio Lower Upper

74 100

45 104.1 50.7 152.3



#10

Methyl Iodide

Concen: 5.381 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

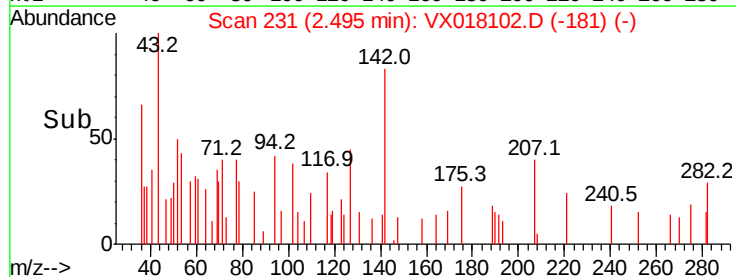
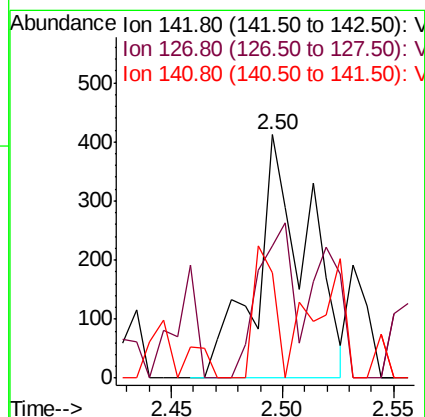
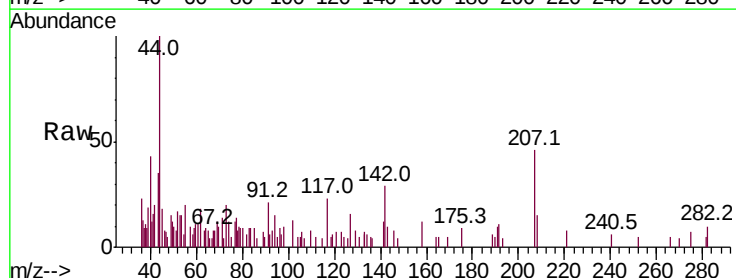
Tgt Ion: 142 Resp: 664

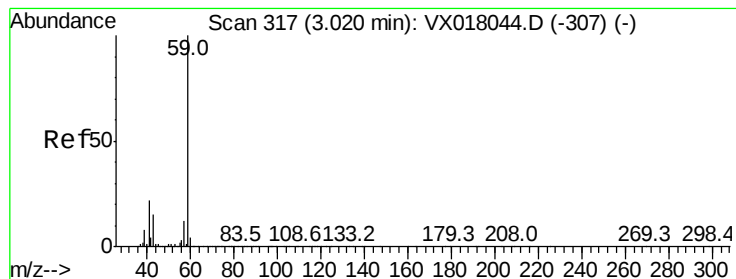
Ion Ratio Lower Upper

142 100

127 43.4 37.0 55.6

141 22.3 11.5 17.3#



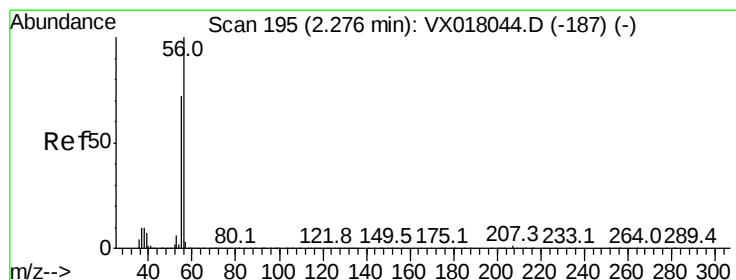
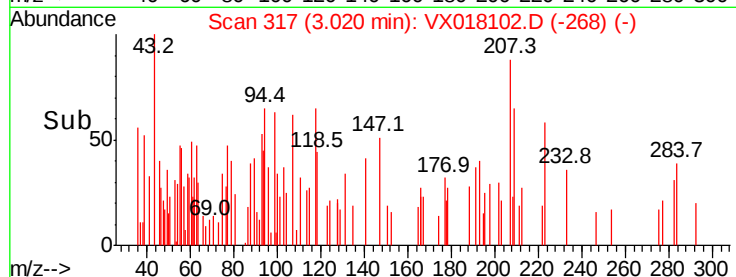
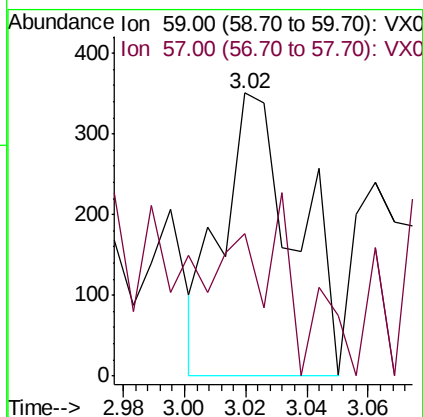
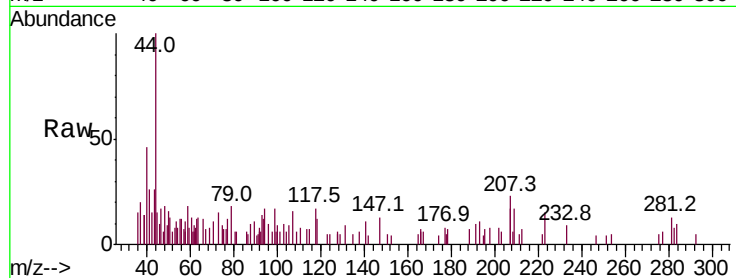


#11

Tert butyl alcohol
Concen: 0.345 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX018102.D
Acq: 27 Aug 2020 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-658-660

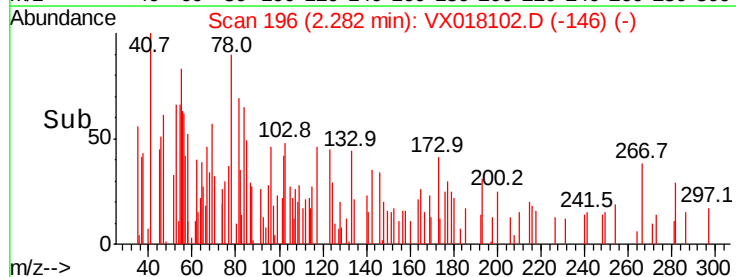
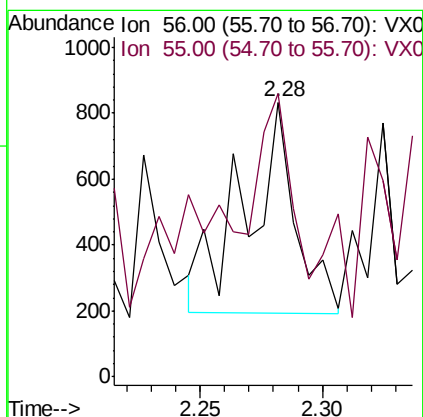
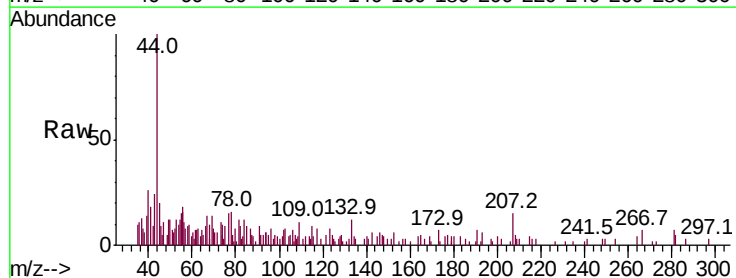
Tot Ion: 59 Resp: 583
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

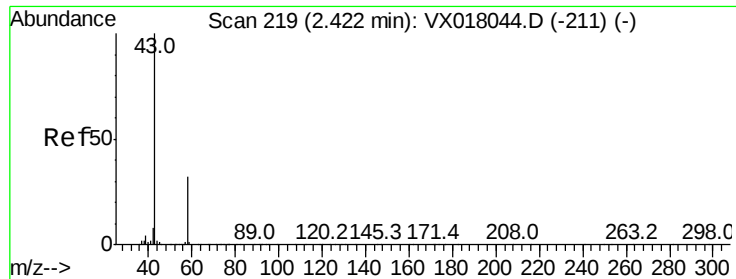


#13

Acrolein
Concen: 1.304 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX018102.D
Acq: 27 Aug 2020 19:22

Tgt Ion: 56 Resp: 913
Ion Ratio Lower Upper
56 100
55 52.5 57.0 85.6#

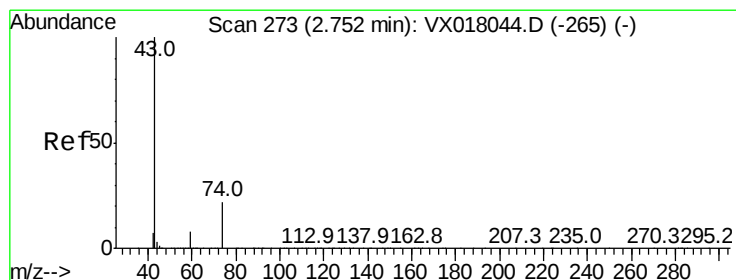
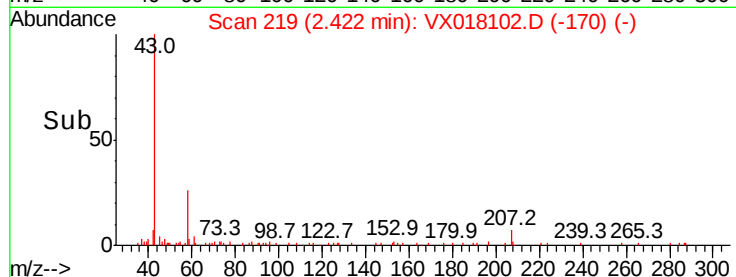
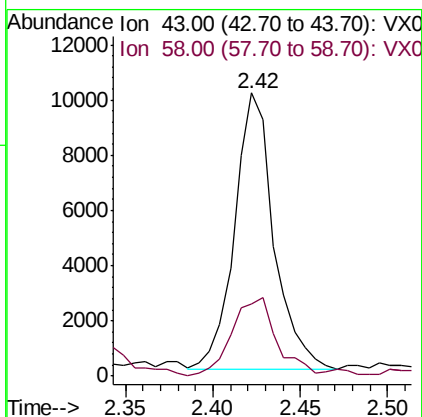
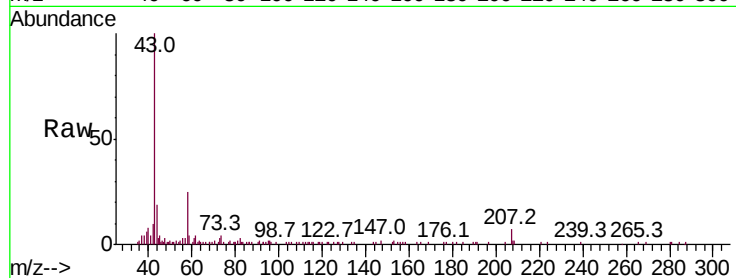




#16
Acetone
Concen: 4.595 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018102.D
Acq: 27 Aug 2020 19:22

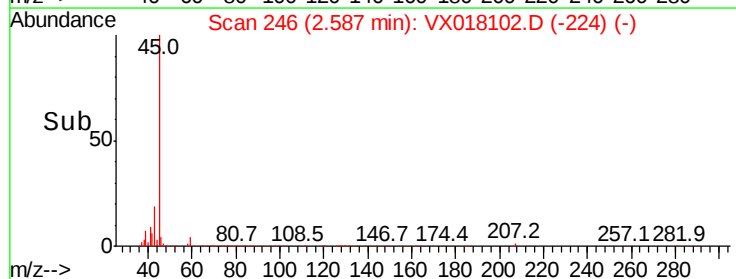
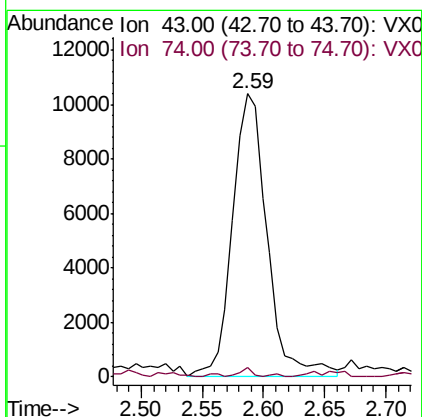
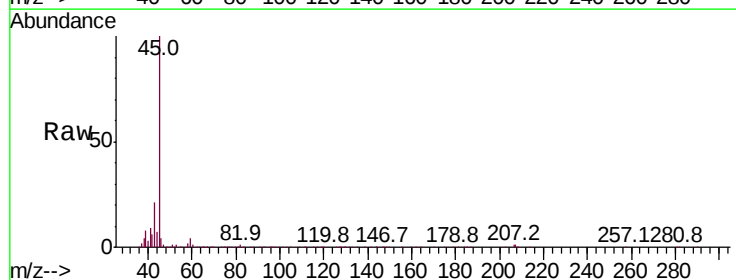
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-658-660

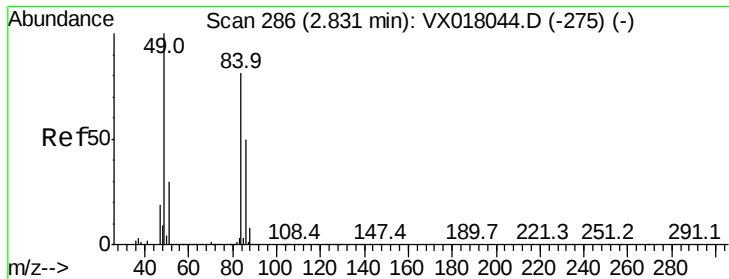
Tot Ion: 43 Resp: 15546
Ion Ratio Lower Upper
43 100
58 26.1 25.5 38.3



#18
Methyl Acetate
Concen: 2.508 ug/l
RT: 2.59 min Scan# 246
Delta R.T. -0.16 min
Lab File: VX018102.D
Acq: 27 Aug 2020 19:22

Tgt Ion: 43 Resp: 20476
Ion Ratio Lower Upper
43 100
74 1.2 18.2 27.4#

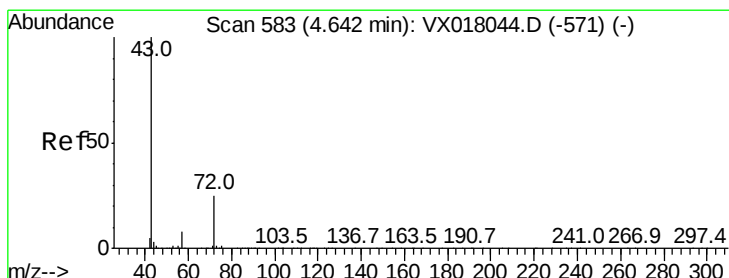
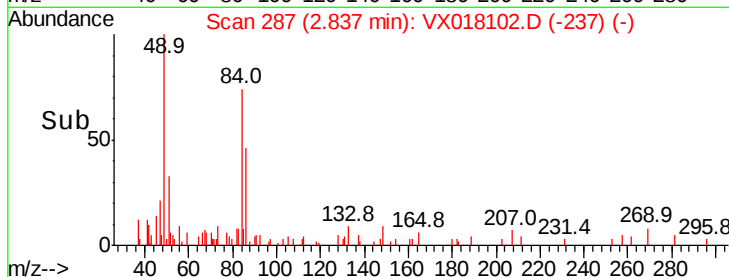
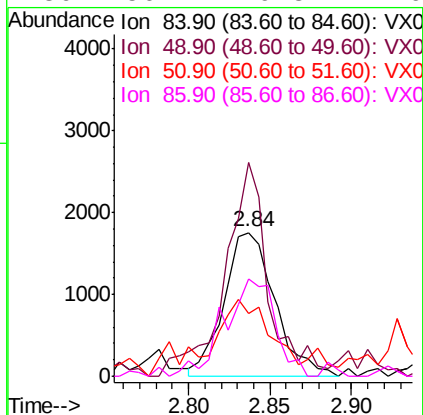
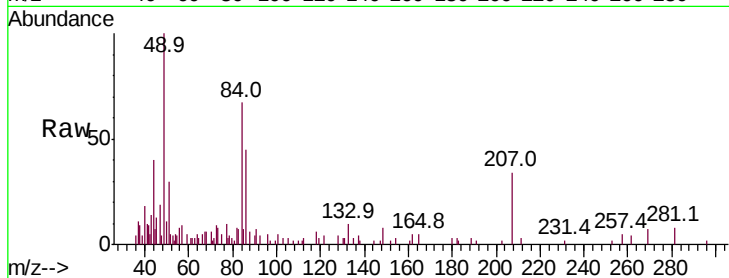




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018102.D
Acq: 27 Aug 2020 19:22

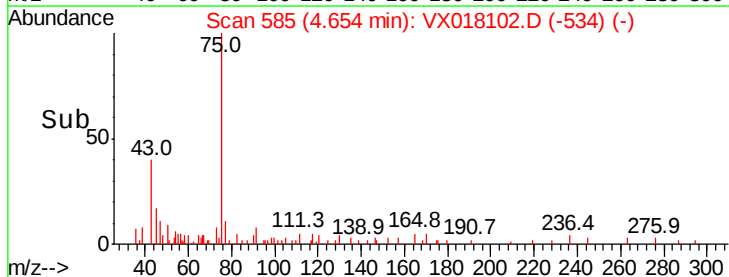
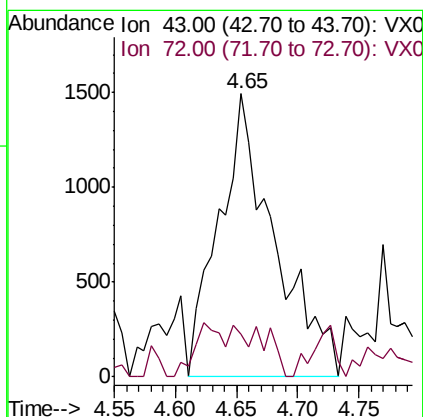
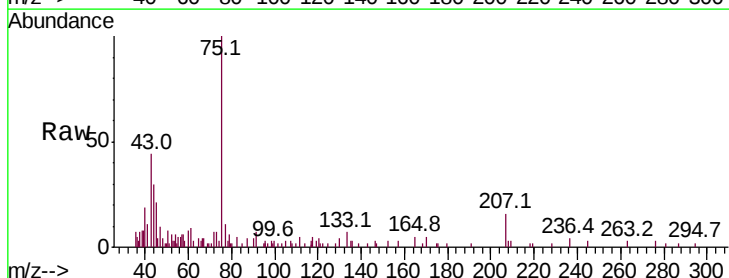
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-658-660

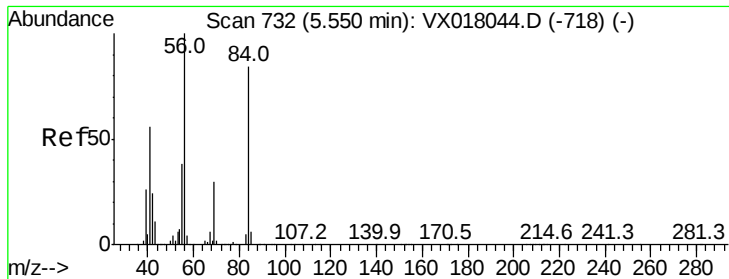
Tot Ion:	84	Resp:	3811
Ion	Ratio	Lower	Upper
84	100		
49	138.3	98.6	148.0
51	37.8	29.6	44.4
86	56.7	49.8	74.6



#25
2-Butanone
Concen: 0.848 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018102.D
Acq: 27 Aug 2020 19:22

Tgt Ion:	43	Resp:	4713
Ion	Ratio	Lower	Upper
43	100		
72	11.1	19.8	29.6#





#31

Cyclohexane

Concen: 1.280 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-658-660

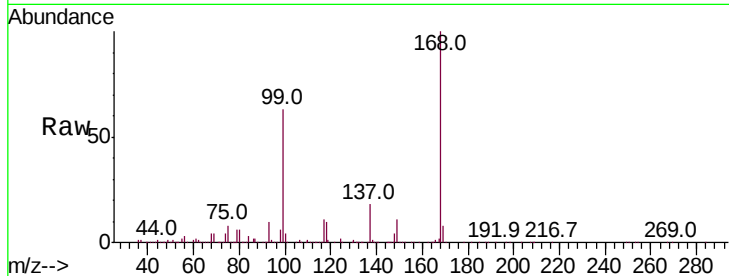
Tot Ion: 56 Resp: 13306

Ion Ratio Lower Upper

56 100

69 167.0 23.9 35.9#

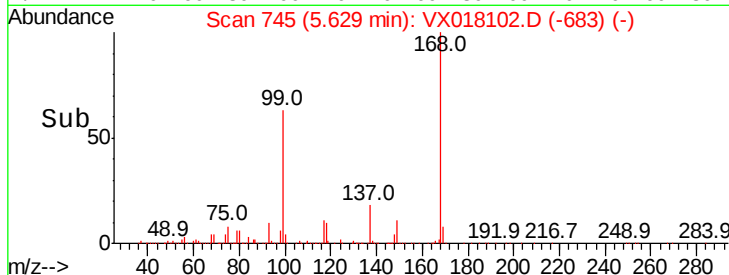
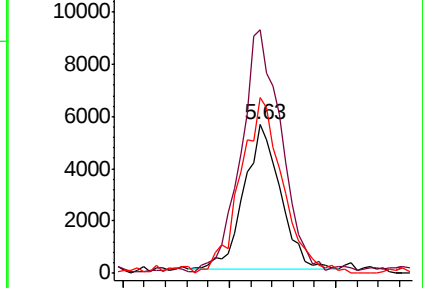
84 119.6 67.0 100.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.059 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018102.D

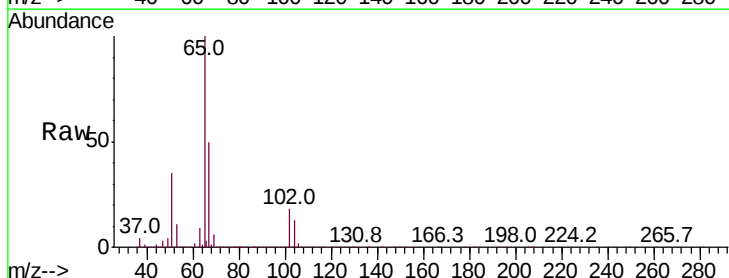
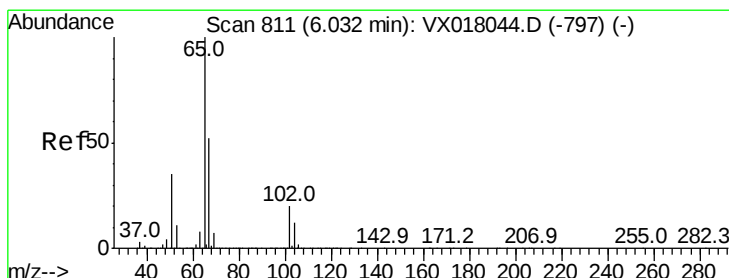
Acq: 27 Aug 2020 19:22

Tgt Ion: 65 Resp: 425978

Ion Ratio Lower Upper

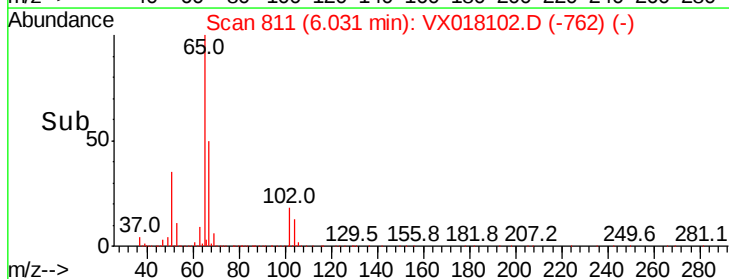
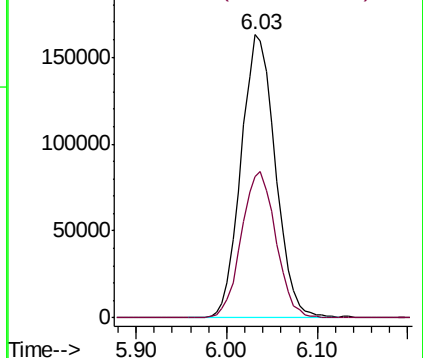
65 100

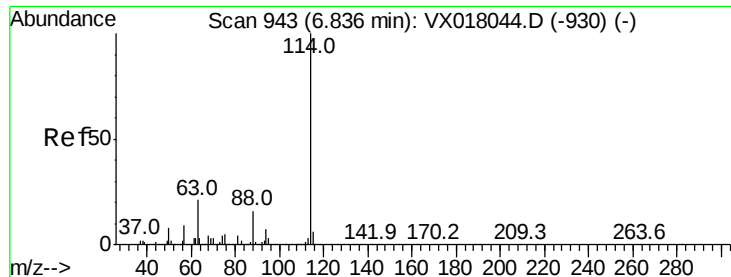
67 52.3 0.0 105.8



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: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-658-660

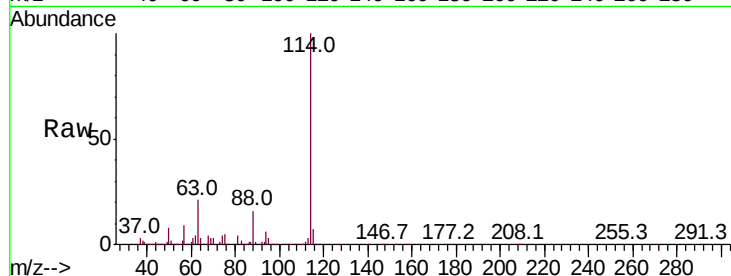
Tot Ion:114 Resp: 1056520

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

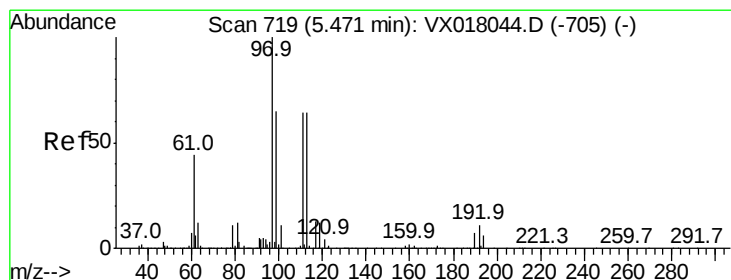
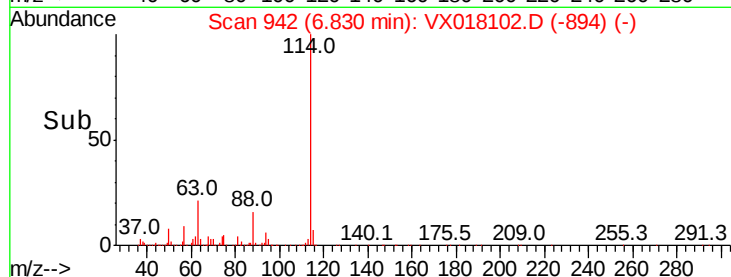
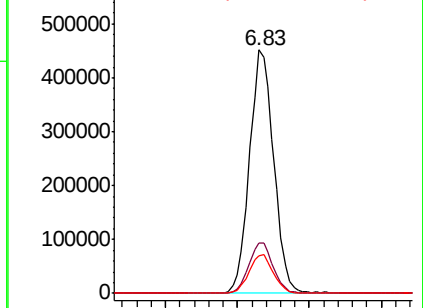
88 15.5 0.0 31.8



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: 46.944 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

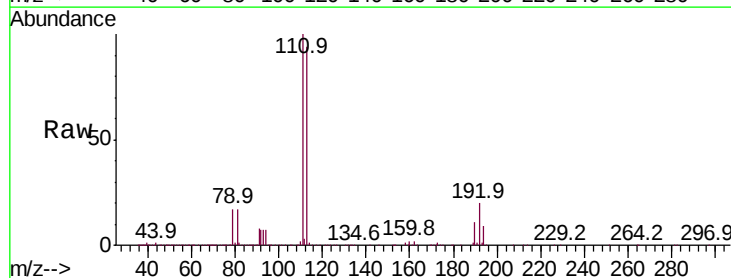
Tgt Ion:113 Resp: 337783

Ion Ratio Lower Upper

113 100

111 105.6 81.6 122.4

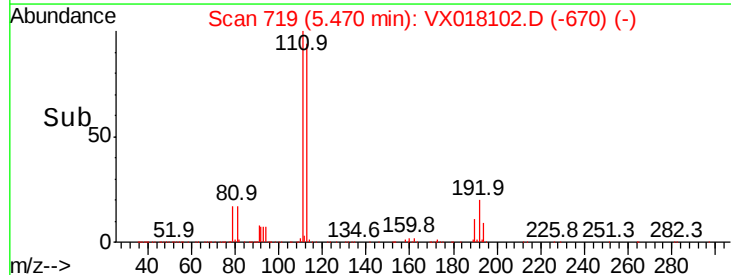
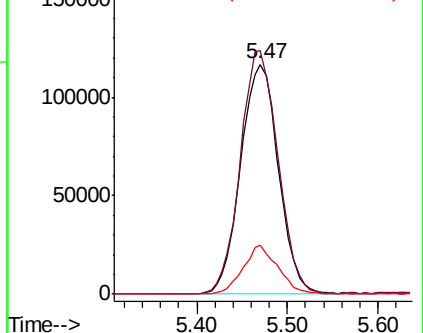
192 19.5 15.8 23.8

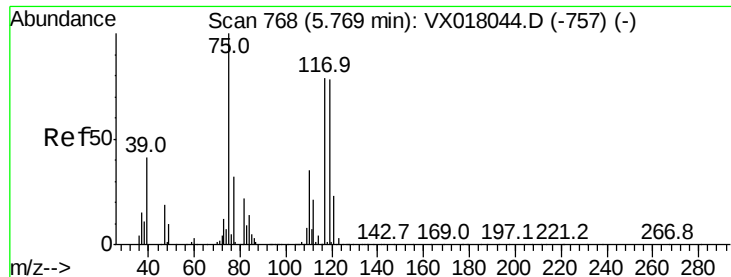


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-658-660

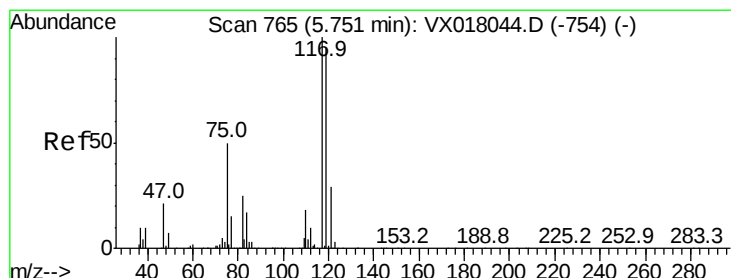
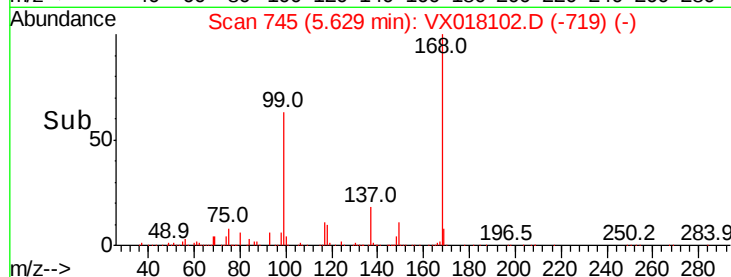
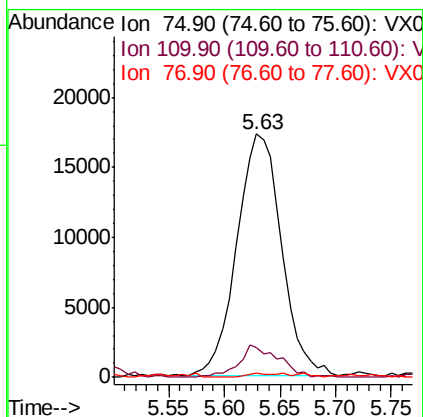
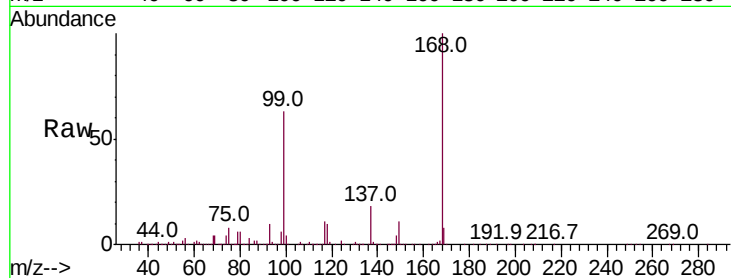
Tot Ion: 75 Resp: 48068

Ion Ratio Lower Upper

75 100

110 12.1 18.0 54.0#

77 0.6 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.055 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

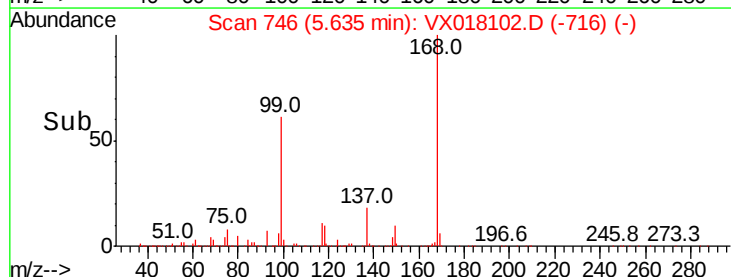
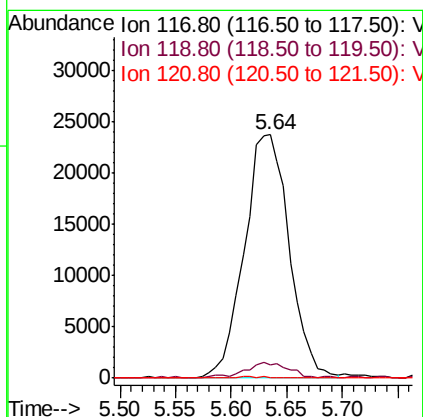
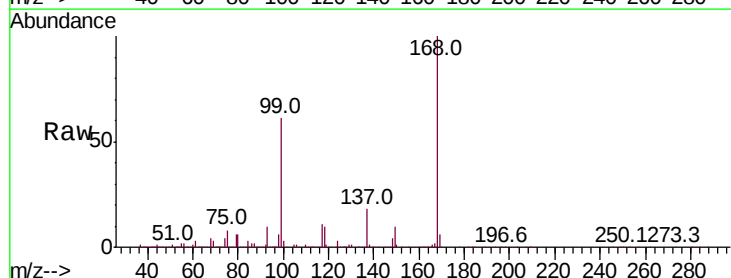
Tgt Ion: 117 Resp: 66501

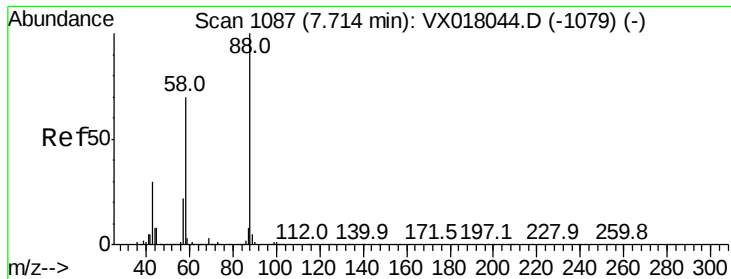
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.2 23.4 35.0#





#49

1,4-Dioxane

Concen: 0.934 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-658-660

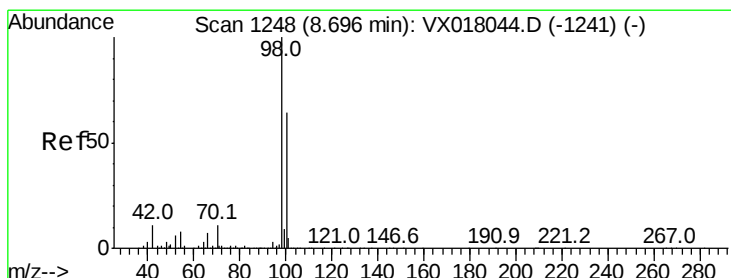
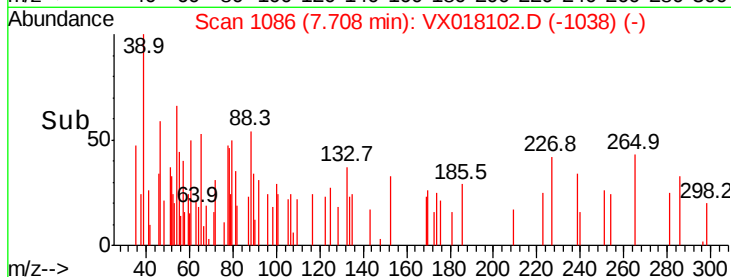
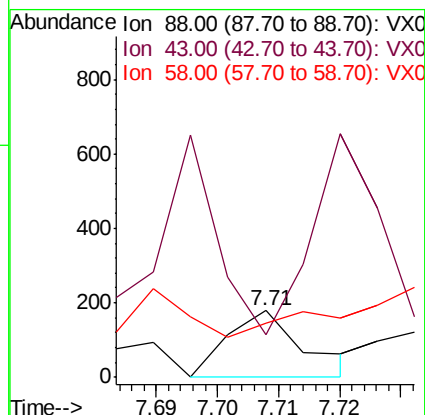
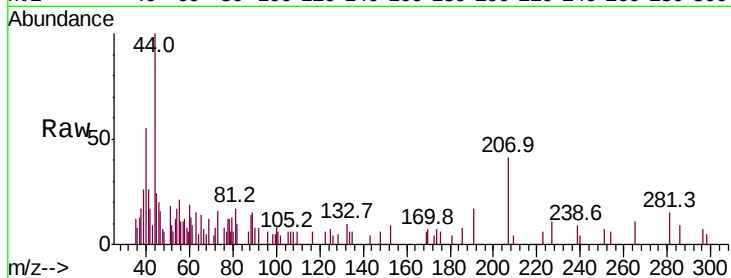
Tot Ion: 88 Resp: 154

Ion Ratio Lower Upper

88 100

43 326.0 27.4 41.0#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 48.101 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018102.D

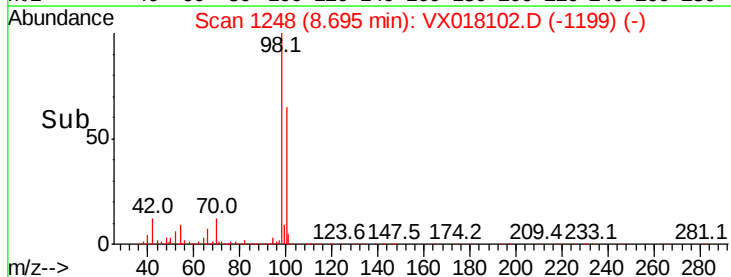
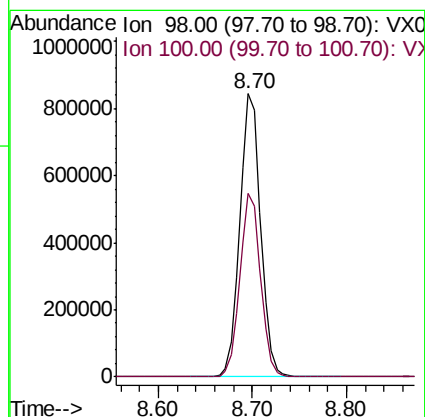
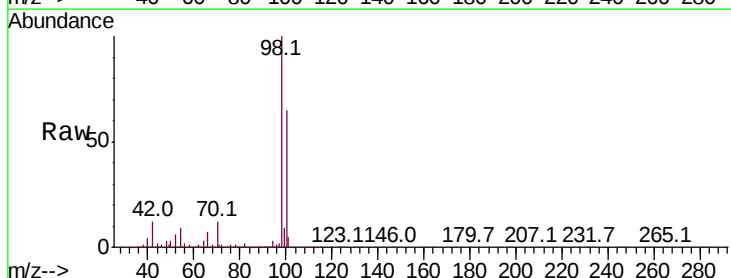
Acq: 27 Aug 2020 19:22

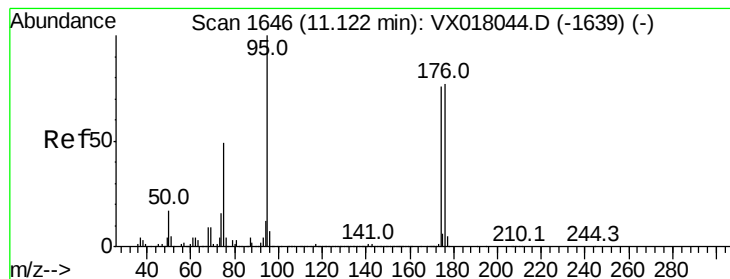
Tgt Ion: 98 Resp: 1289107

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.486 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-658-660

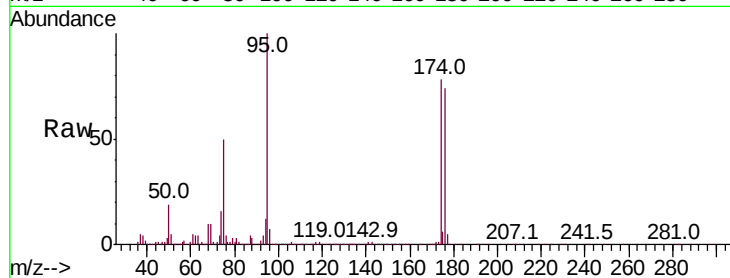
Tot Ion: 95 Resp: 479605

Ion Ratio Lower Upper

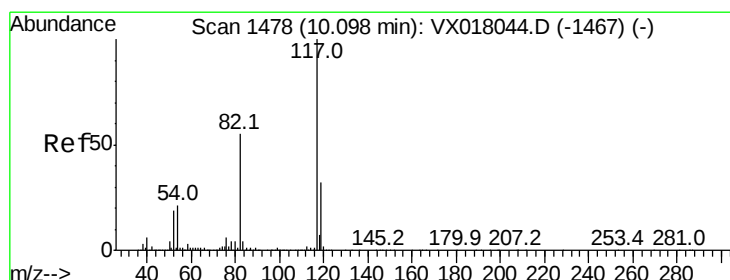
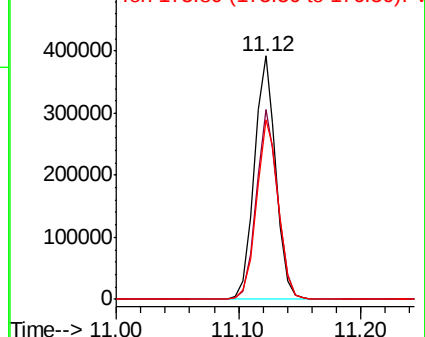
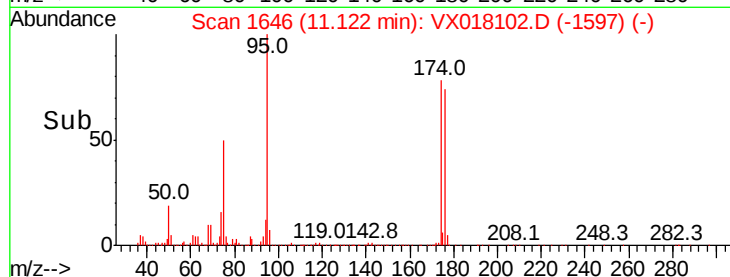
95 100

174 77.8 0.0 160.2

176 75.1 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018102.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

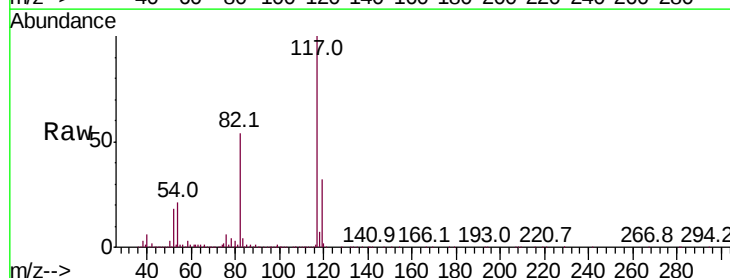
Tgt Ion: 117 Resp: 1010014

Ion Ratio Lower Upper

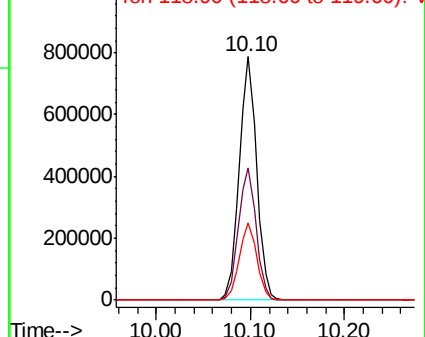
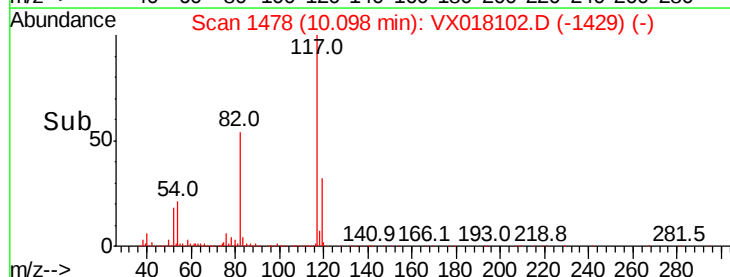
117 100

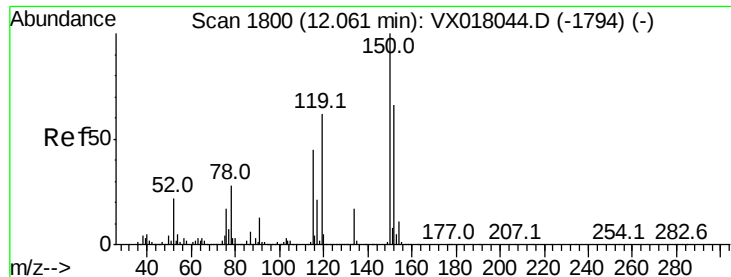
82 54.4 44.2 66.2

119 31.7 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VX018102.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-658-660

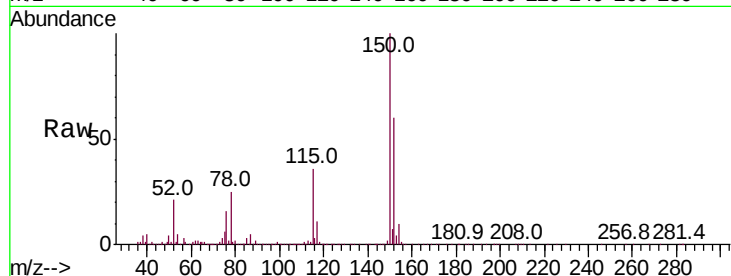
Tot Ion:152 Resp: 449319

Ion Ratio Lower Upper

152 100

115 60.4 41.5 124.5

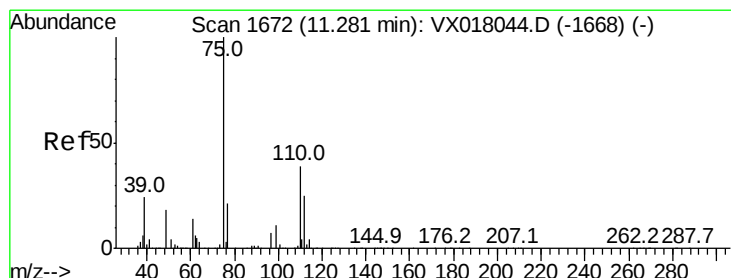
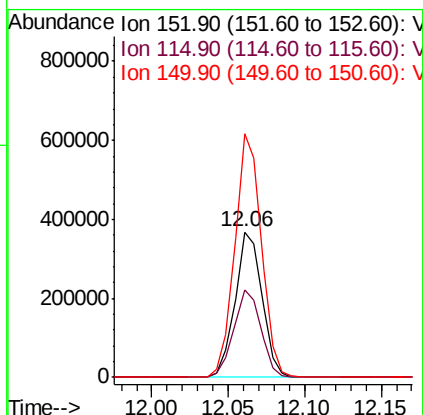
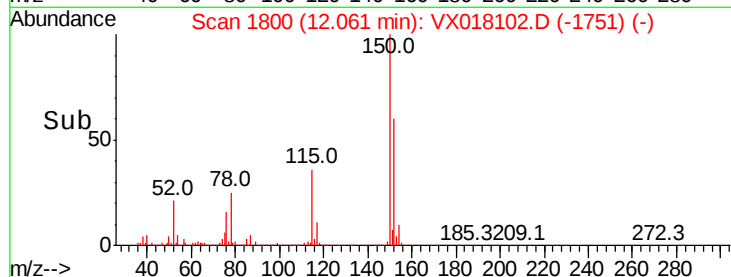
150 165.0 0.0 343.8



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: 23.845 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018102.D

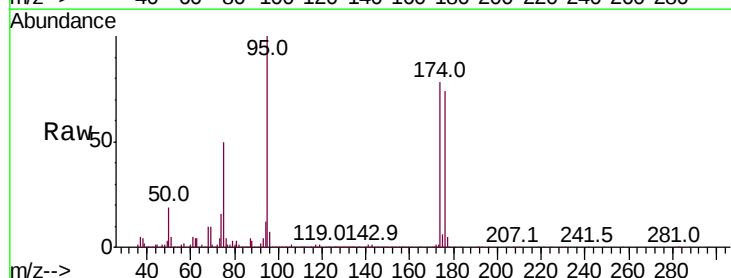
Acq: 27 Aug 2020 19:22

Tgt Ion: 75 Resp: 238333

Ion Ratio Lower Upper

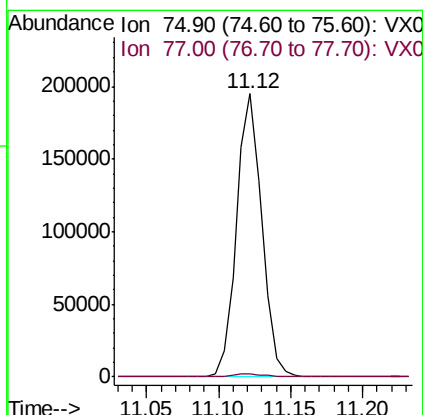
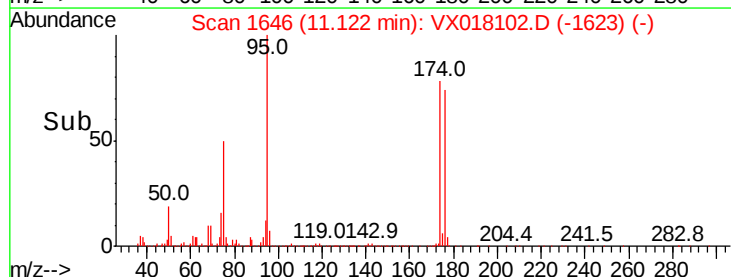
75 100

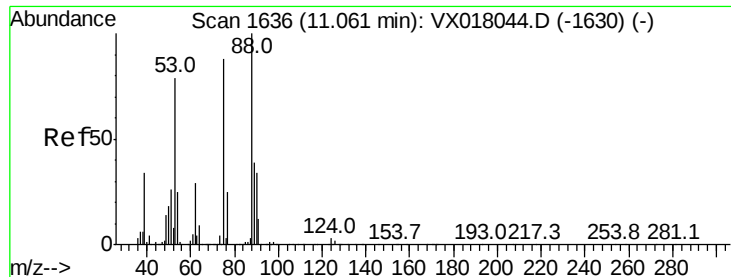
77 1.4 20.8 62.2#



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: 64.400 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018102.D

Acq: 27 Aug 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-658-660

Tot Ion: 75 Resp: 238333

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#

