

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082720\
 Data File : VX018103.D
 Acq On : 27 Aug 2020 19:45
 Operator : JC/SP
 Sample : L3820-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-678-680

Quant Time: Aug 28 03:05:23 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	5.63	168	628613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1033285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	984242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	448870	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	420327	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
35) Dibromofluoromethane	5.47	113	340488	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.70	98	1266818	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.12	95	469978	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	

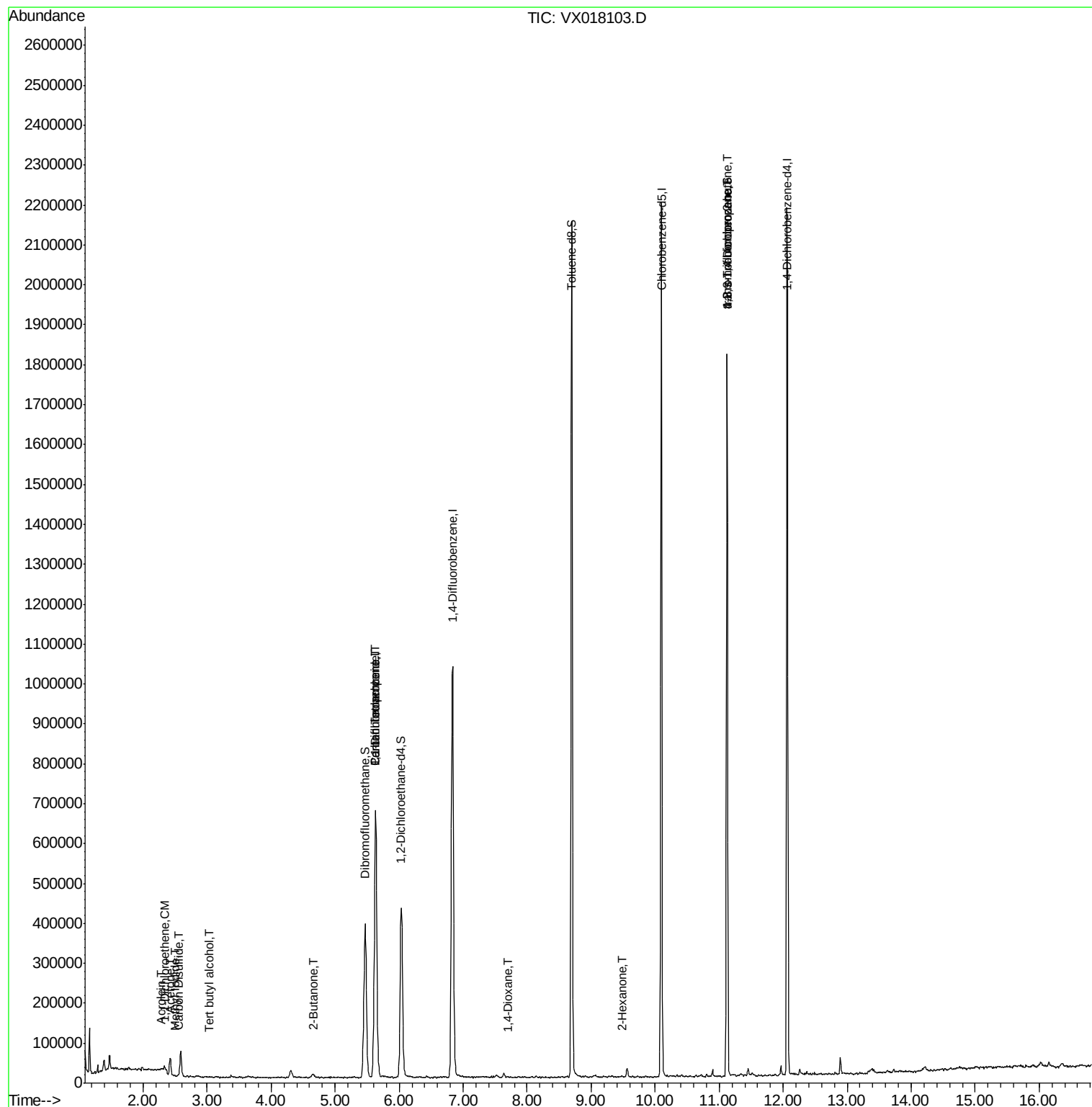
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	466	5.352	ug/l #	13
11) Tert butyl alcohol	3.03	59	1049	0.618	ug/l #	1
12) 1,1-Dichloroethene	2.34	96	1245	0.203	ug/l #	1
13) Acrolein	2.28	56	970	1.379	ug/l #	47
16) Acetone	2.42	43	48414	14.237	ug/l	100
17) Carbon Disulfide	2.55	76	6120	0.330	ug/l #	92
20) Methylene Chloride	2.82	84	2216	Below Cal	#	49
25) 2-Butanone	4.65	43	12928	2.313	ug/l #	84
36) 1,1-Dichloropropene	5.64	75	49807	5.226	ug/l #	50
38) Carbon Tetrachloride	5.63	117	63751	5.936	ug/l #	18
49) 1,4-Dioxane	7.70	88	111	0.689	ug/l #	1
59) 2-Hexanone	9.48	43	3192	0.380	ug/l	83
76) 1,2,3-Trichloropropane	11.12	75	237864	23.821	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	237864	64.338	ug/l #	12

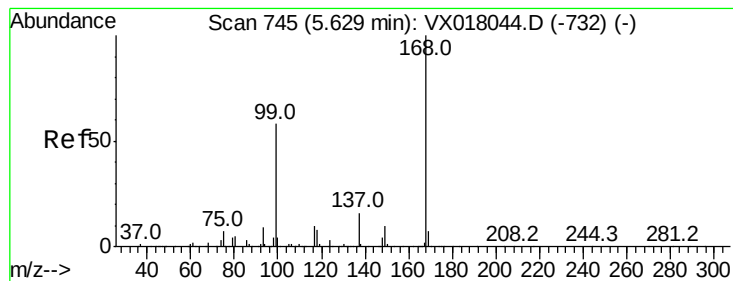
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

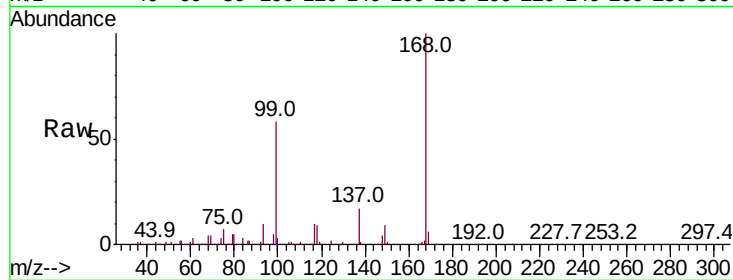
BP-VPB181-GW-678-680

Tot Ion:168 Resp: 628613

Ion Ratio Lower Upper

168 100

99 58.4 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

250000

200000

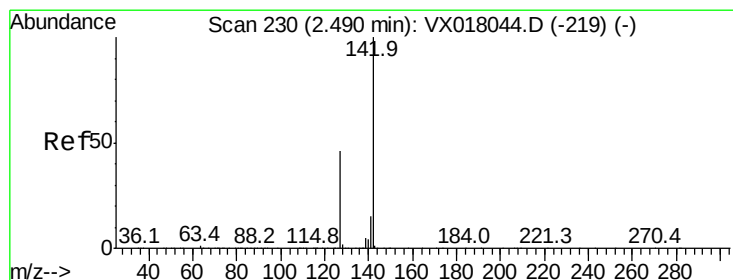
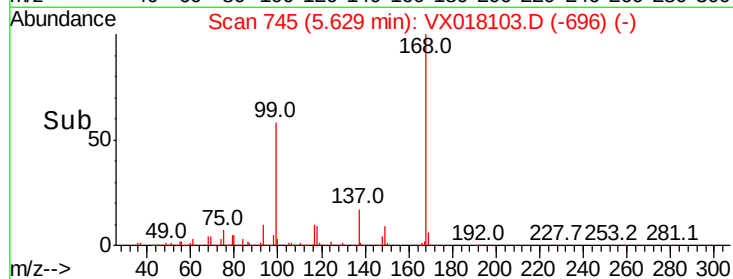
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.352 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

Tgt Ion:142 Resp: 466

Ion Ratio Lower Upper

142 100

127 114.6 37.0 55.6#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

400

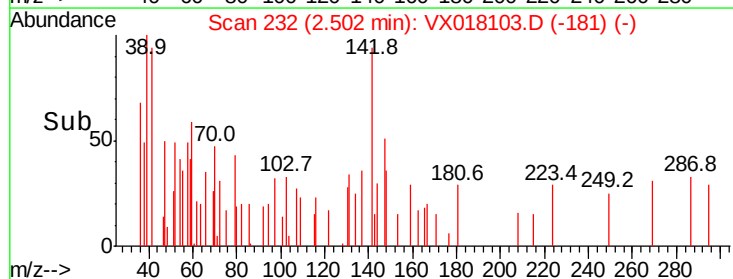
300

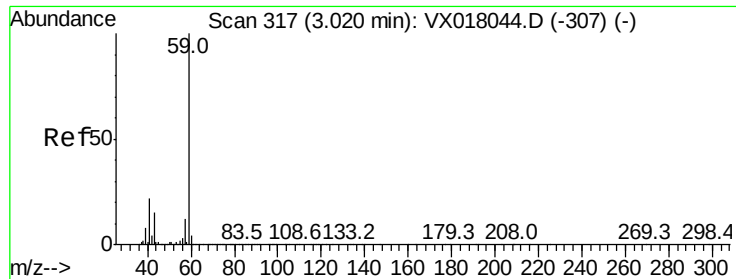
200

100

0

Time-->



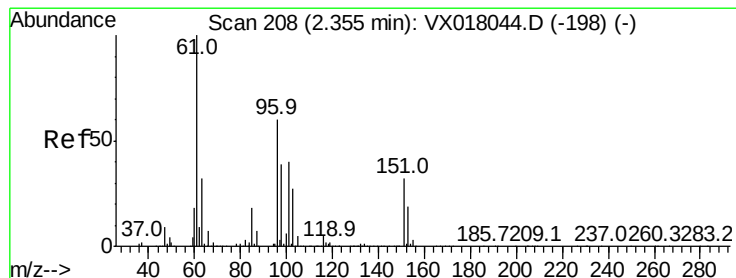
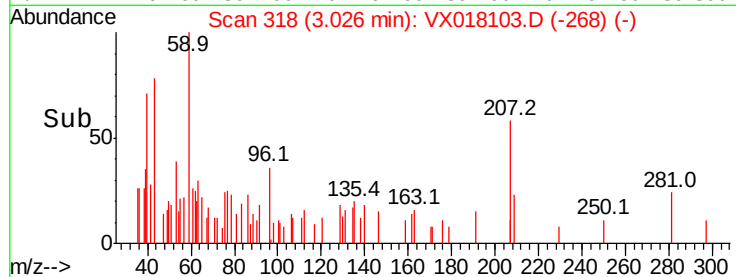
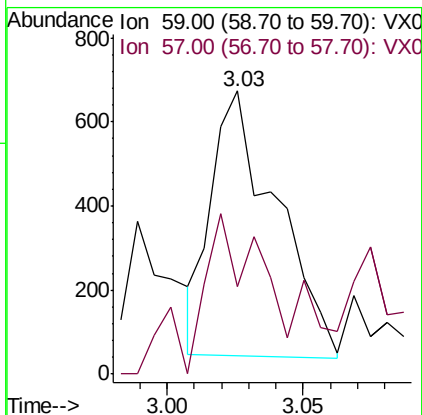
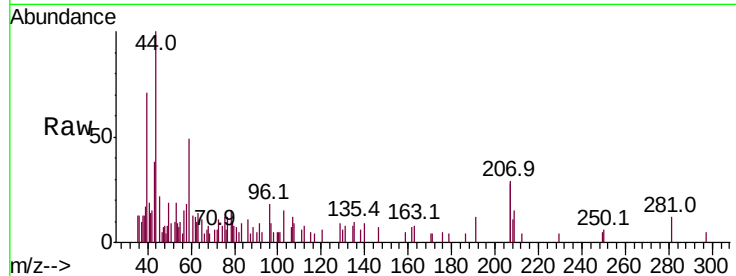


#11

Tert butyl alcohol
 Concen: 0.618 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX018103.D
 Acq: 27 Aug 2020 19:45

Instrument :
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 ClientSampleId :
 BP-VPB181-GW-678-680

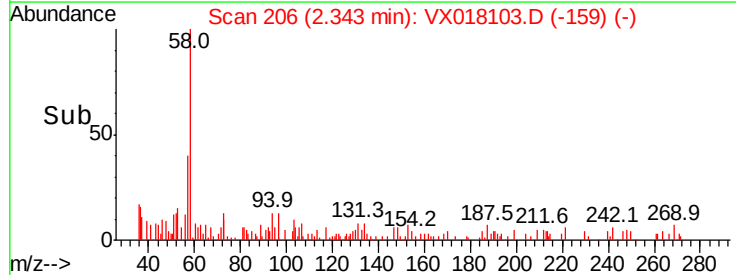
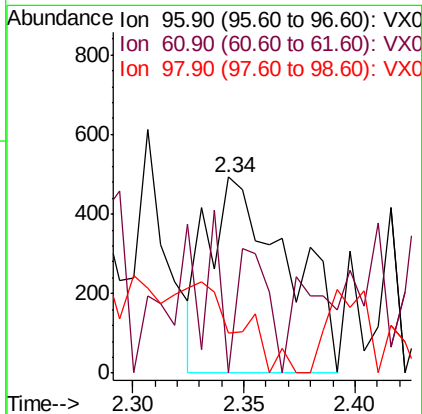
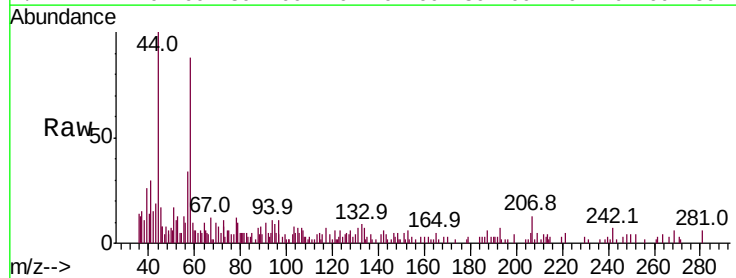
Tot Ion: 59 Resp: 1049
 Ion Ratio Lower Upper
 59 100
 57 59.4 8.9 13.3#

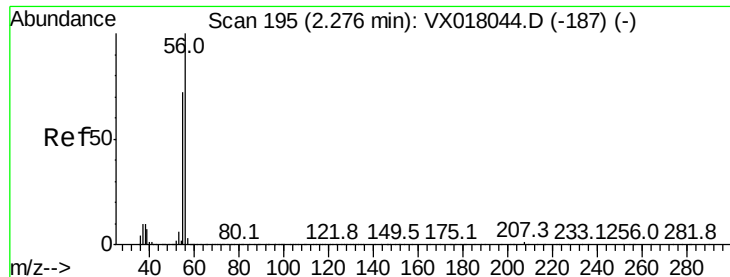


#12

1,1-Dichloroethene
 Concen: 0.203 ug/l
 RT: 2.34 min Scan# 206
 Delta R.T. -0.01 min
 Lab File: VX018103.D
 Acq: 27 Aug 2020 19:45

Tgt Ion: 96 Resp: 1245
 Ion Ratio Lower Upper
 96 100
 61 0.0 133.0 199.4#
 98 0.0 51.6 77.4#





#13

Acrolein

Concen: 1.379 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

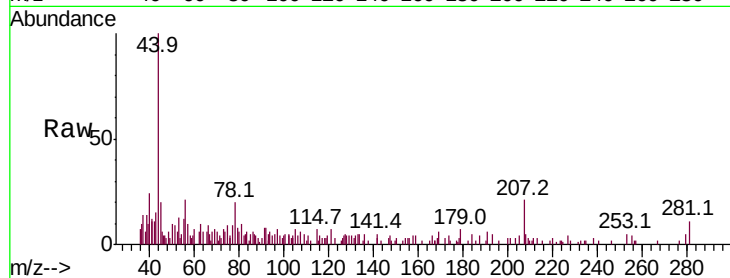
BP-VPB181-GW-678-680

Tot Ion: 56 Resp: 970

Ion Ratio Lower Upper

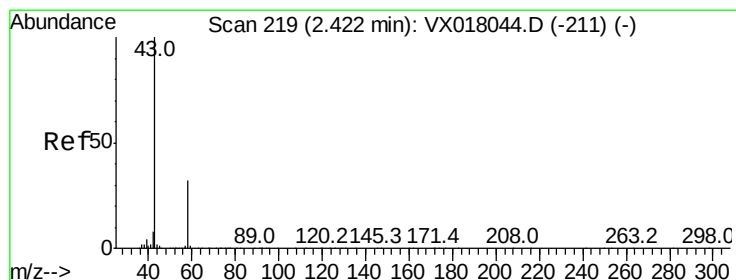
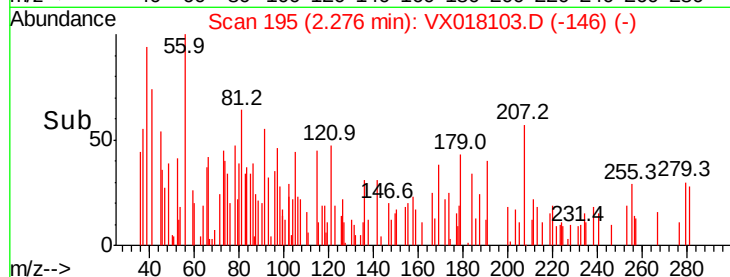
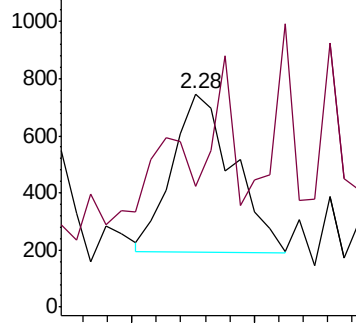
56 100

55 27.4 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 14.237 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018103.D

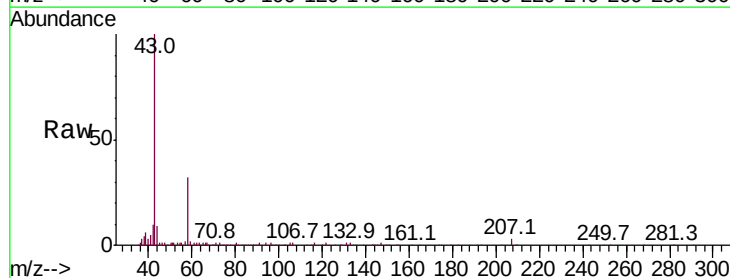
Acq: 27 Aug 2020 19:45

Tgt Ion: 43 Resp: 48414

Ion Ratio Lower Upper

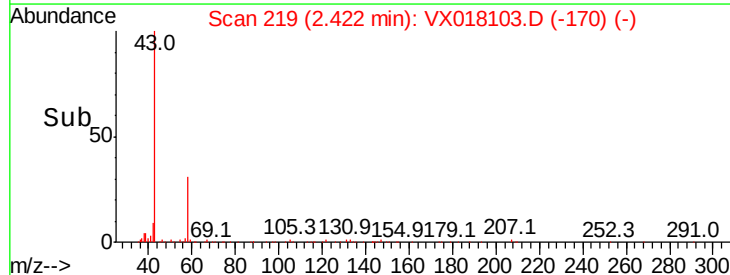
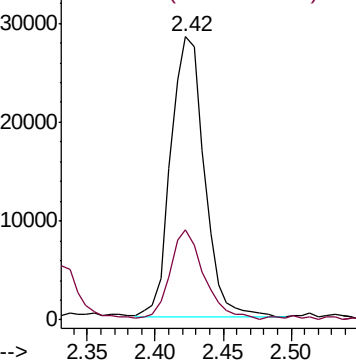
43 100

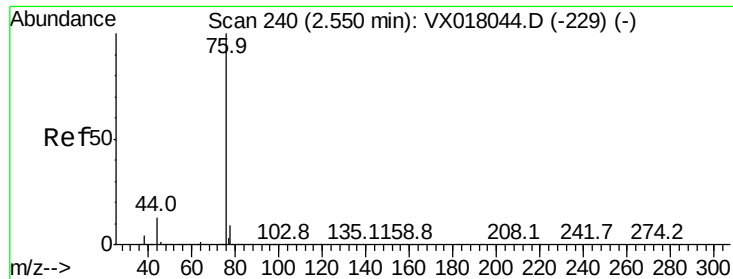
58 31.7 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

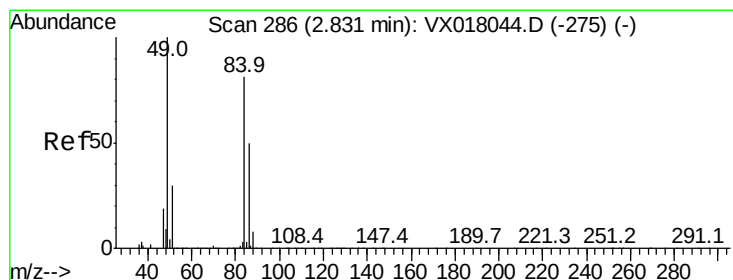
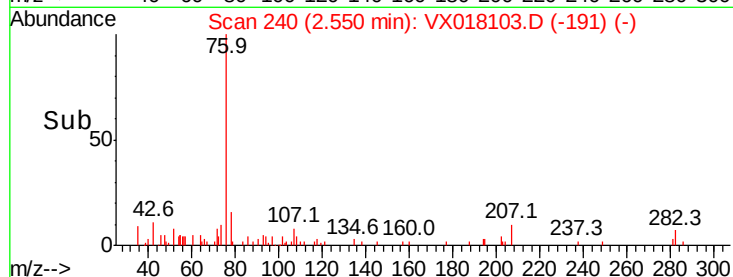
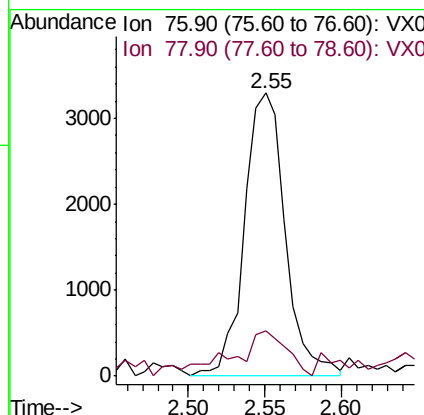
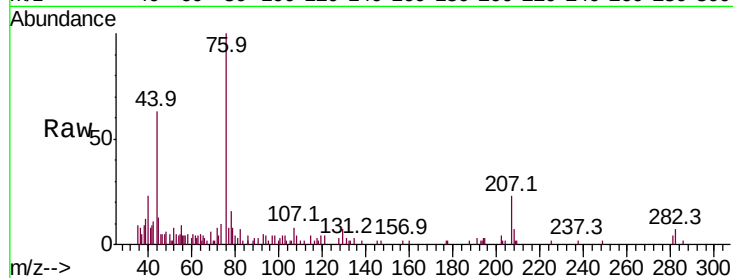




#17
Carbon Disulfide
Concen: 0.330 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018103.D
Acq: 27 Aug 2020 19:45

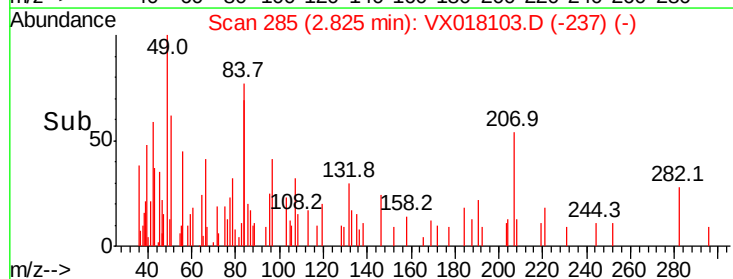
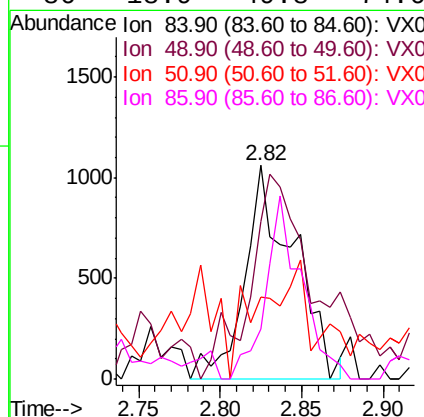
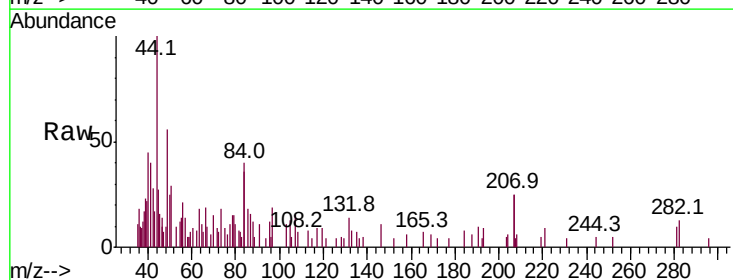
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-678-680

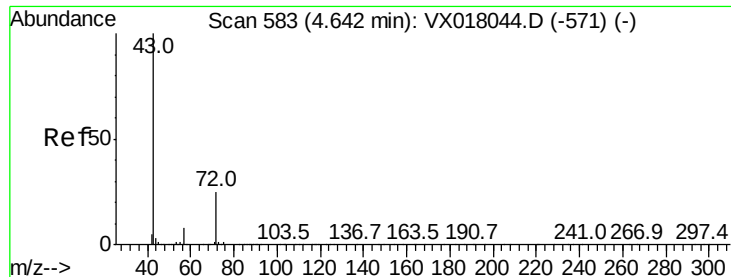
Tot Ion: 76 Resp: 6120
Ion Ratio Lower Upper
76 100
78 12.1 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX018103.D
Acq: 27 Aug 2020 19:45

Tgt Ion: 84 Resp: 2216
Ion Ratio Lower Upper
84 100
49 65.4 98.6 148.0#
51 11.8 29.6 44.4#
86 18.9 49.8 74.6#





#25

2-Butanone

Concen: 2.313 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

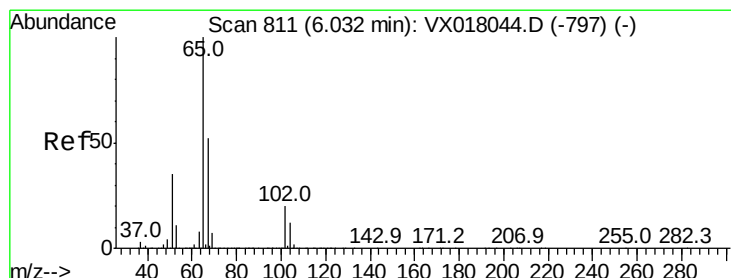
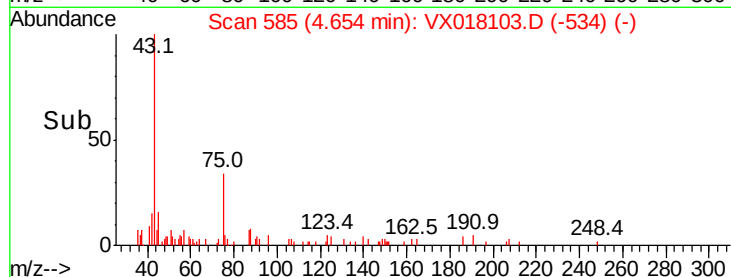
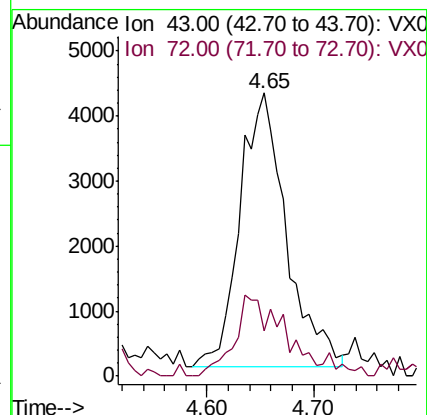
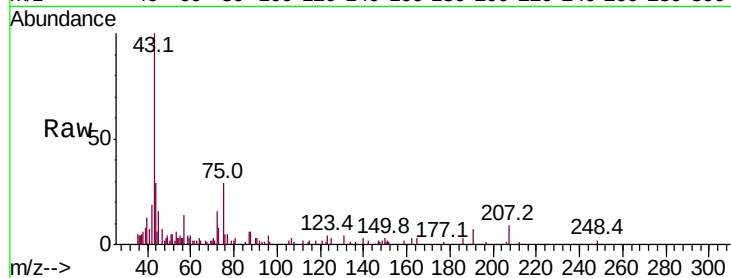
BP-VPB181-GW-678-680

Tot Ion: 43 Resp: 12928

Ion Ratio Lower Upper

43 100

72 16.7 19.8 29.6#



#33

1,2-Dichloroethane-d4

Concen: 48.165 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018103.D

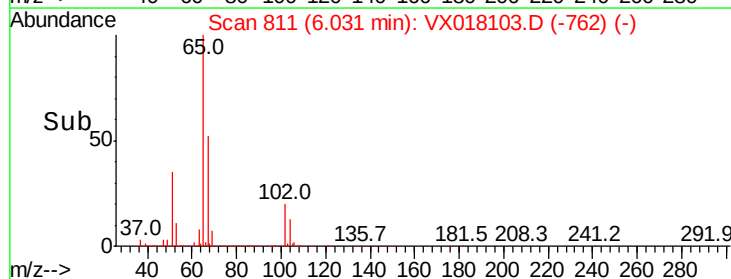
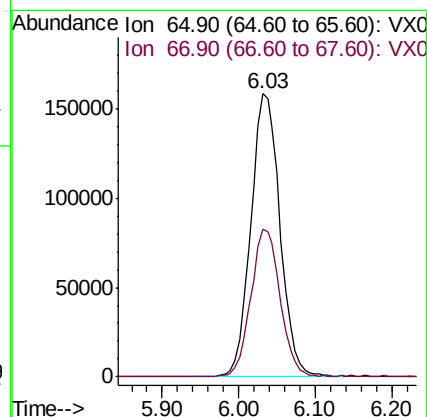
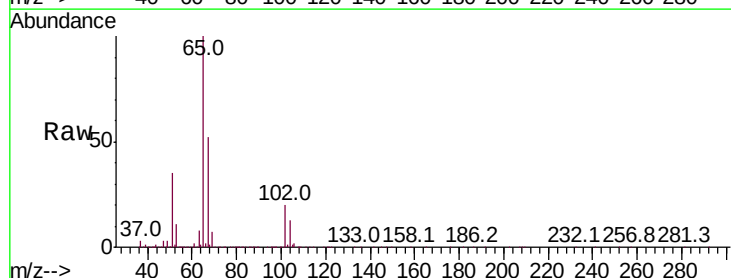
Acq: 27 Aug 2020 19:45

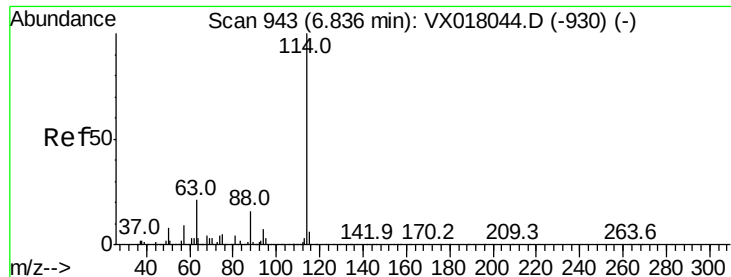
Tgt Ion: 65 Resp: 420327

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-678-680

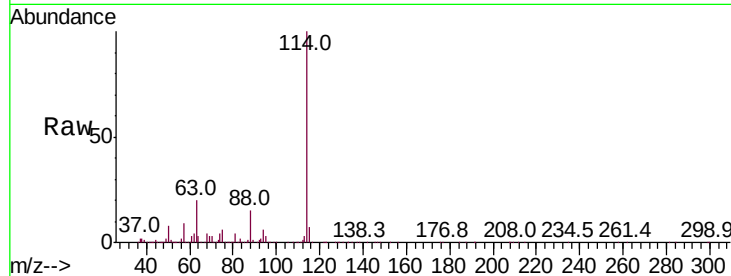
Tot Ion:114 Resp: 1033285

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

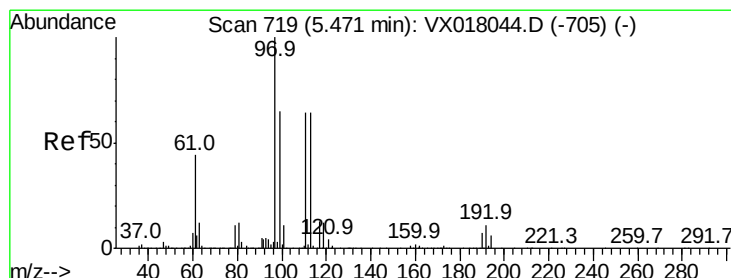
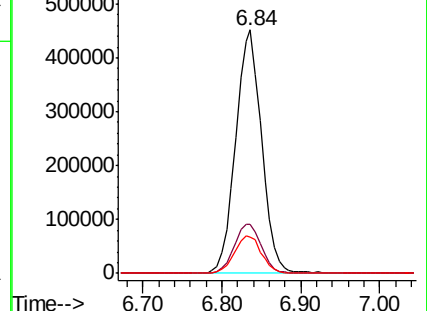
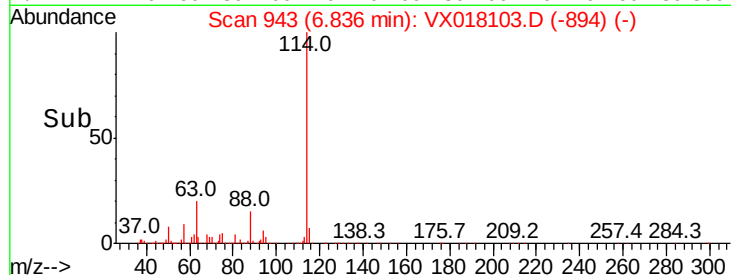
88 14.8 0.0 31.8



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: 48.384 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

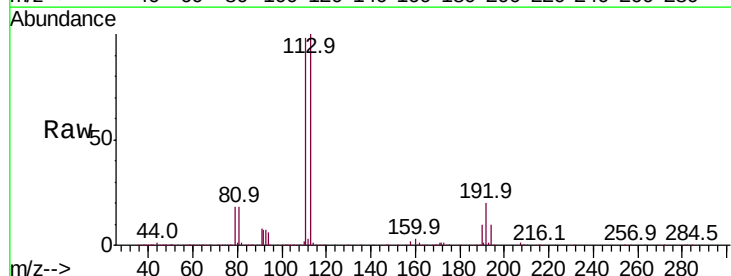
Tgt Ion:113 Resp: 340488

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

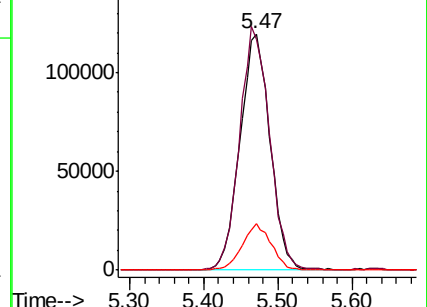
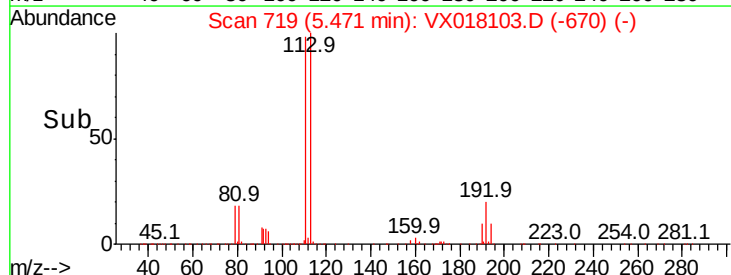
192 18.9 15.8 23.8

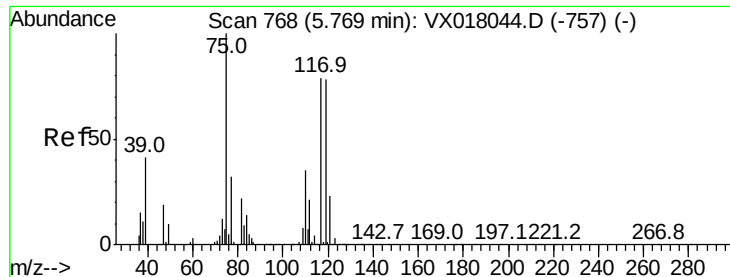


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.226 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

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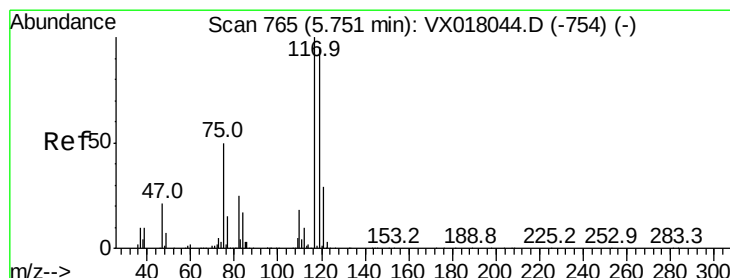
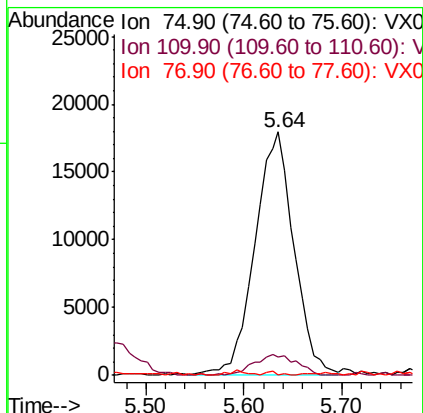
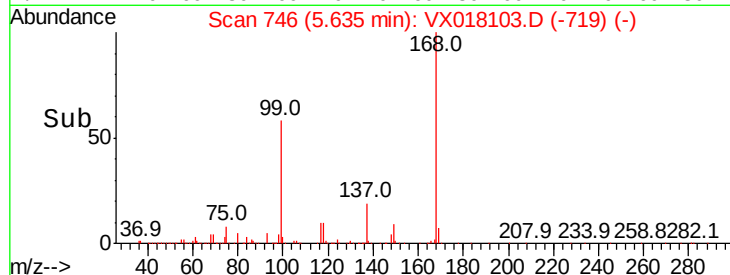
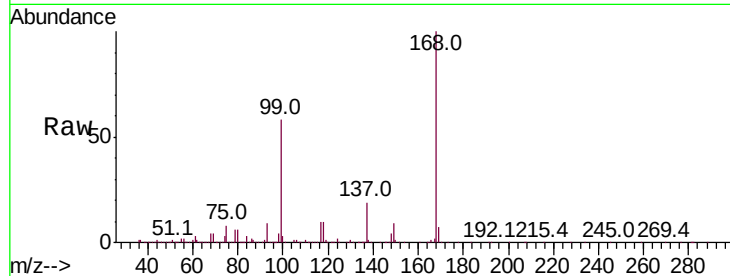
Tot Ion: 75 Resp: 49807

Ion Ratio Lower Upper

75 100

110 9.4 18.0 54.0#

77 0.5 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.936 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

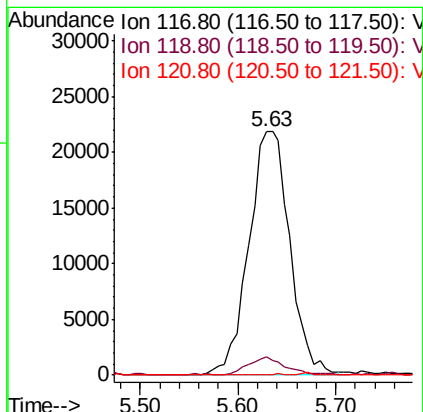
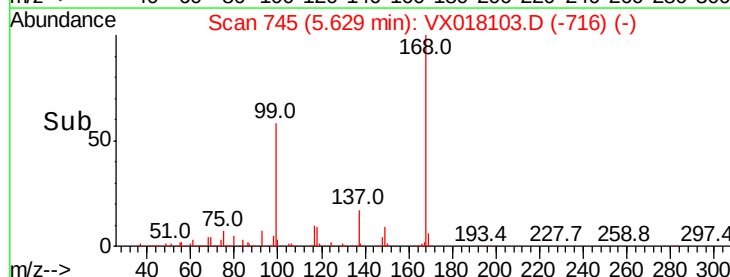
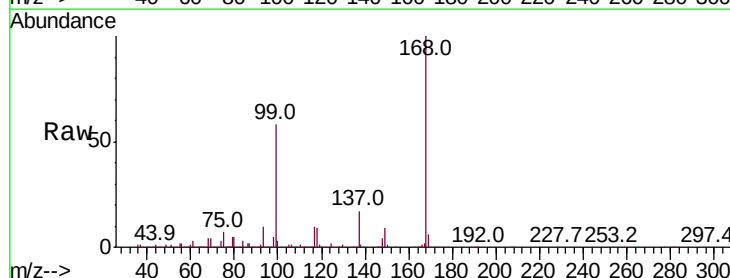
Tgt Ion: 117 Resp: 63751

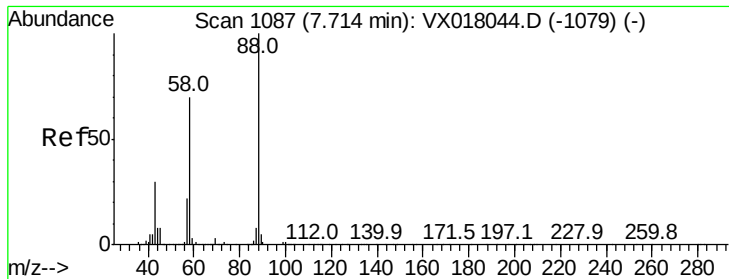
Ion Ratio Lower Upper

117 100

119 7.2 75.8 113.6#

121 0.8 23.4 35.0#





#49

1,4-Dioxane

Concen: 0.689 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018103.D

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ClientSampleId :

BP-VPB181-GW-678-680

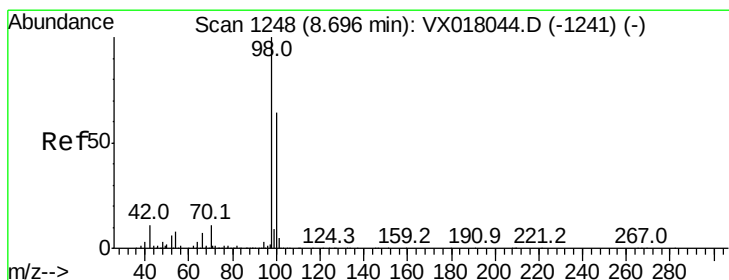
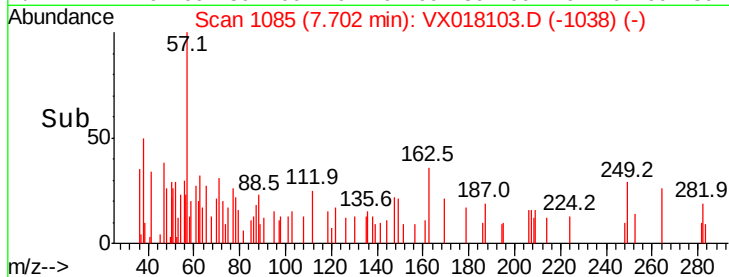
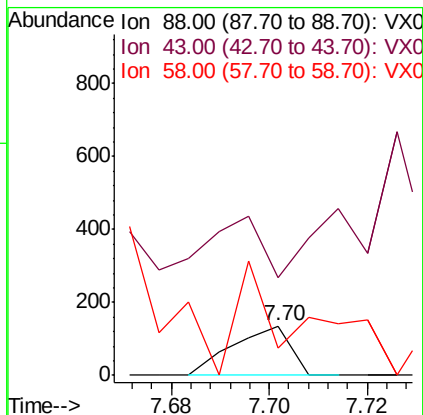
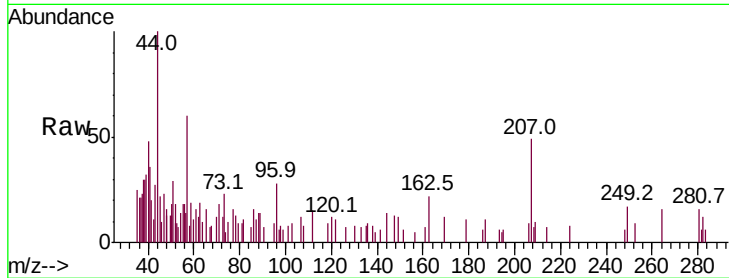
Tot Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 276.6 56.4 84.6#



#50

Toluene-d8

Concen: 48.333 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018103.D

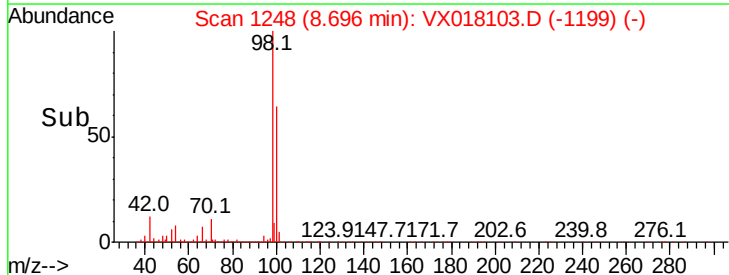
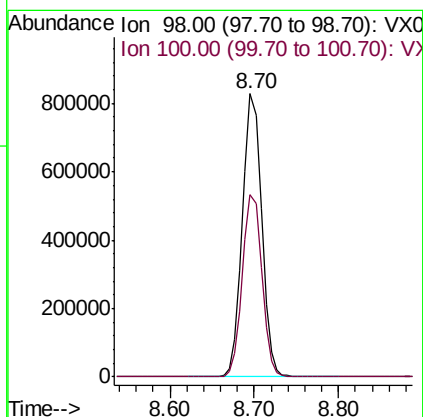
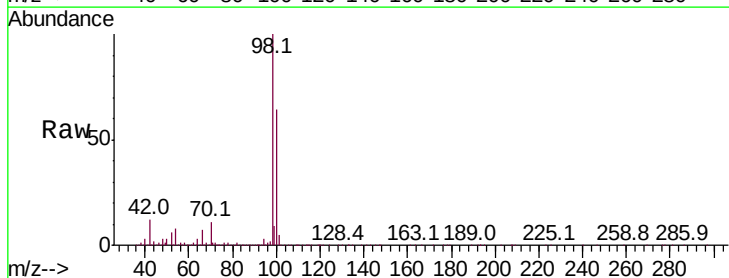
Acq: 27 Aug 2020 19:45

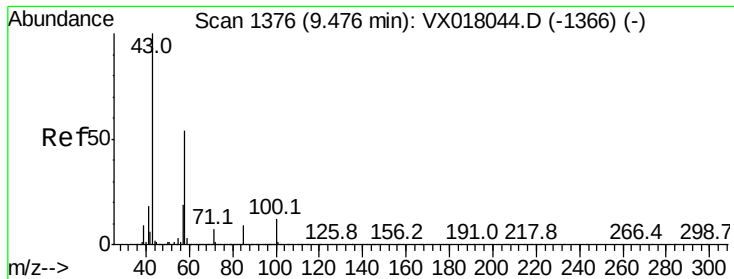
Tgt Ion: 98 Resp: 1266818

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4

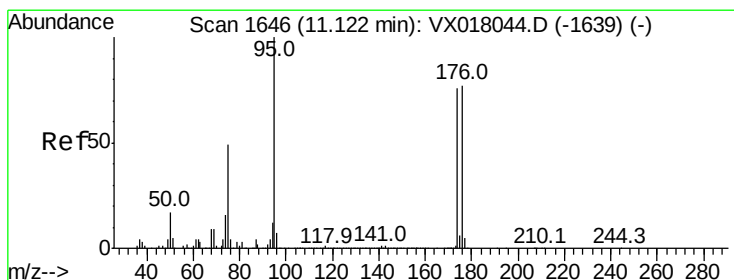
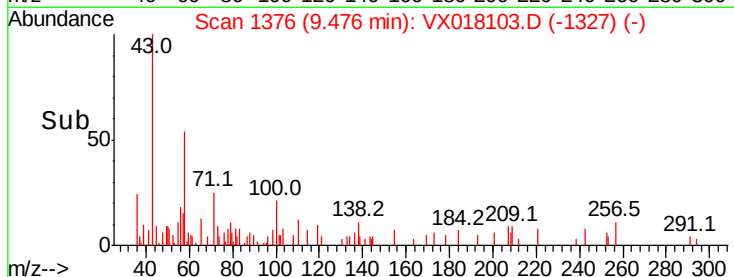
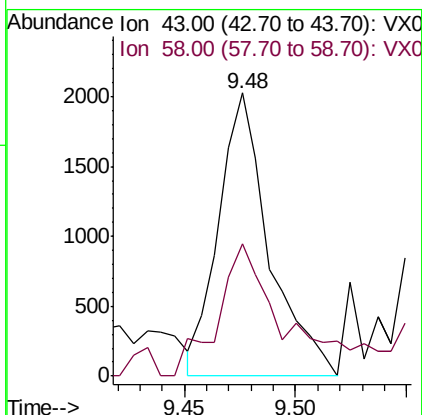
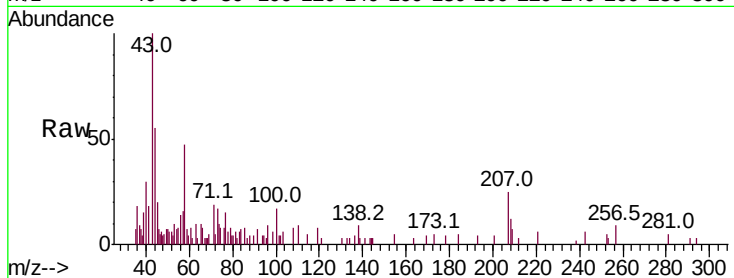




#59
2-Hexanone
Concen: 0.380 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018103.D
Acq: 27 Aug 2020 19:45

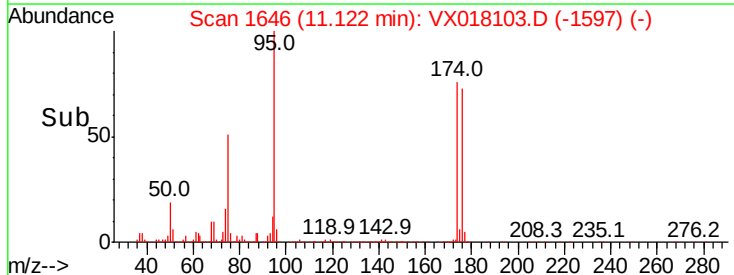
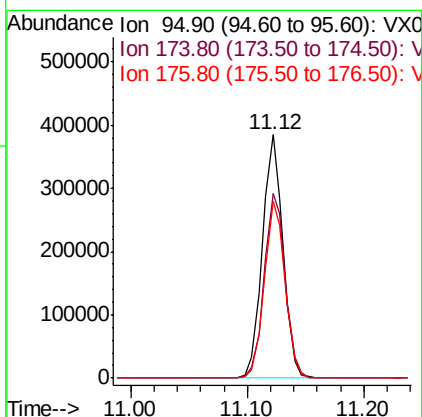
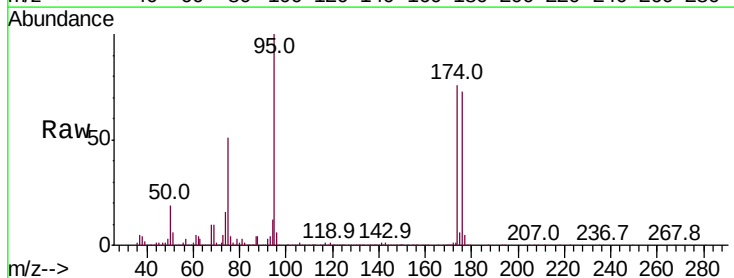
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-678-680

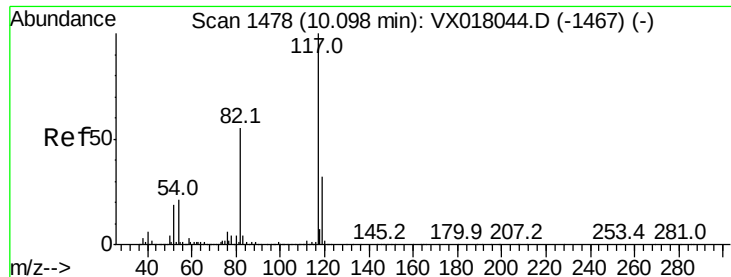
Tot Ion: 43 Resp: 3192
Ion Ratio Lower Upper
43 100
58 64.9 26.6 79.7



#62
4-Bromofluorobenzene
Concen: 45.575 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018103.D
Acq: 27 Aug 2020 19:45

Tgt Ion: 95 Resp: 469978
Ion Ratio Lower Upper
95 100
174 77.4 0.0 160.2
176 73.1 0.0 155.8

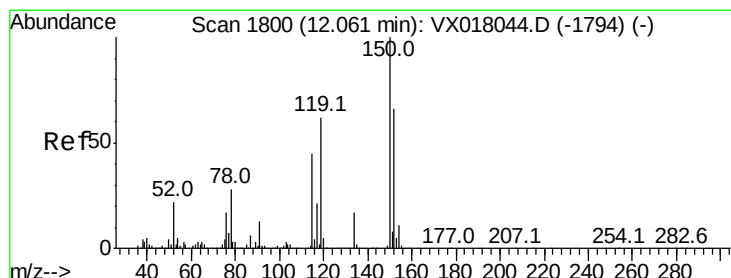
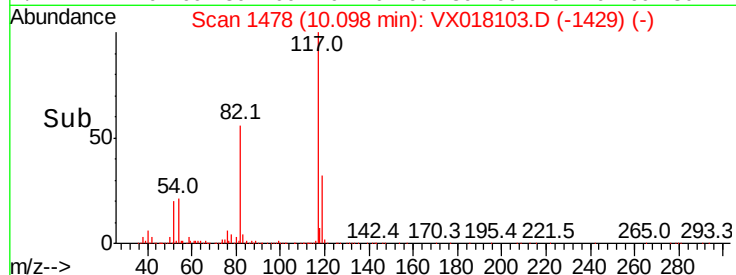
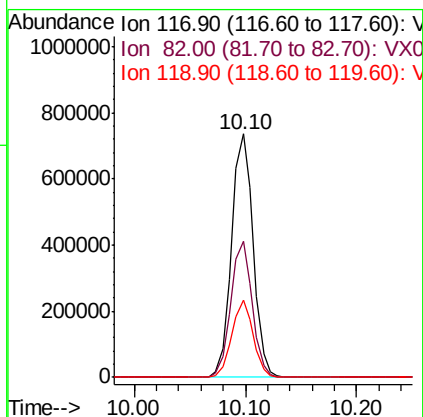
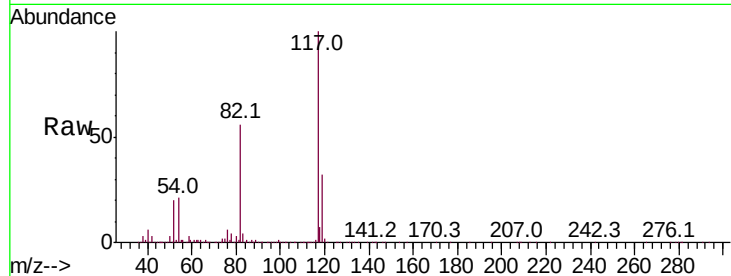




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018103.D
Acq: 27 Aug 2020 19:45

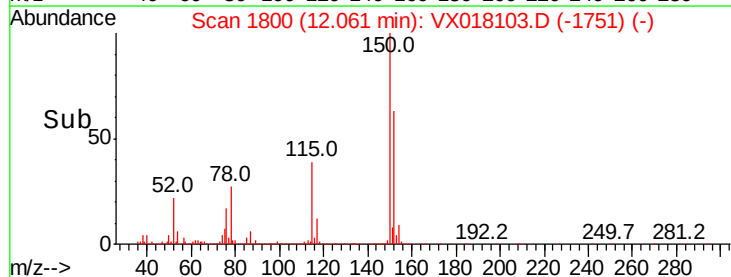
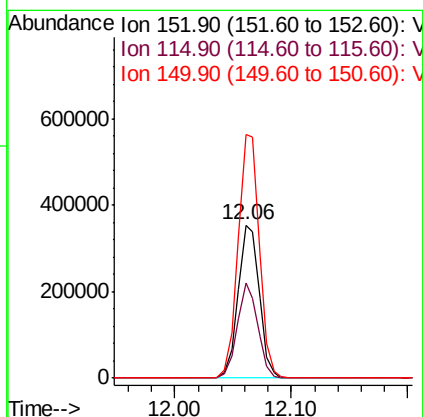
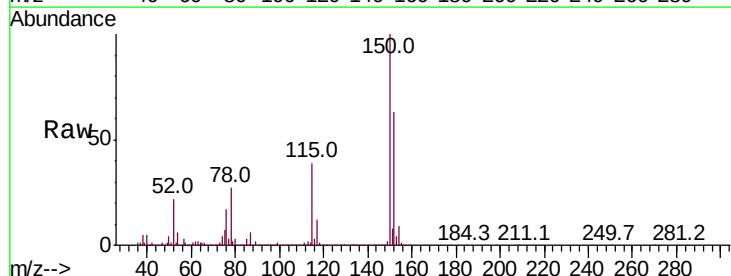
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-678-680

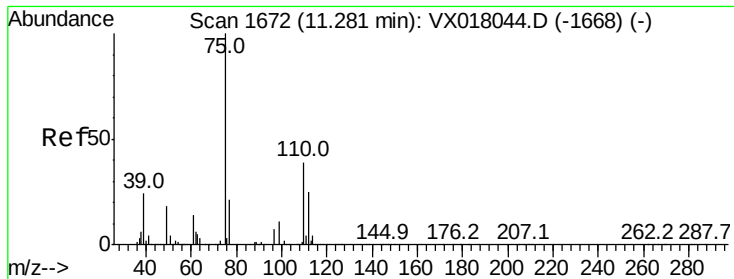
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.2	66.2
119	31.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018103.D
Acq: 27 Aug 2020 19:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	41.5	124.5
150	159.5	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.821 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

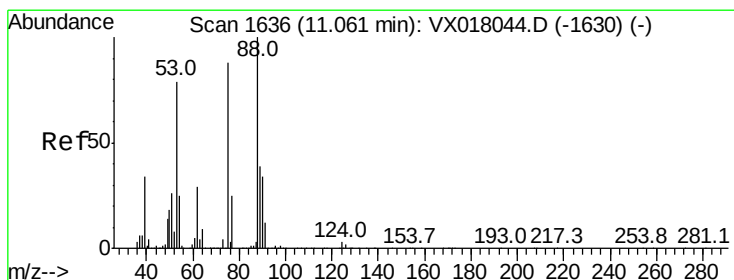
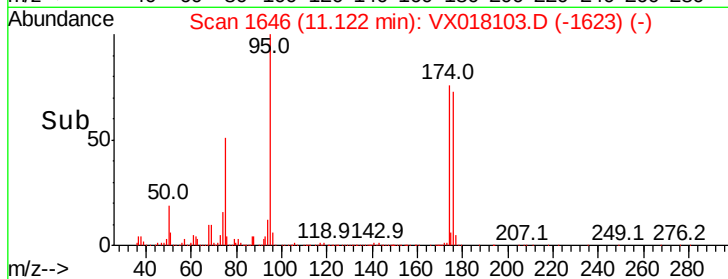
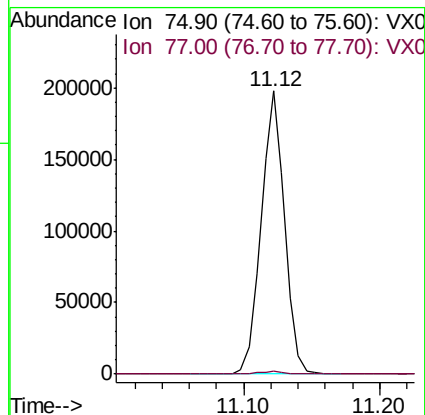
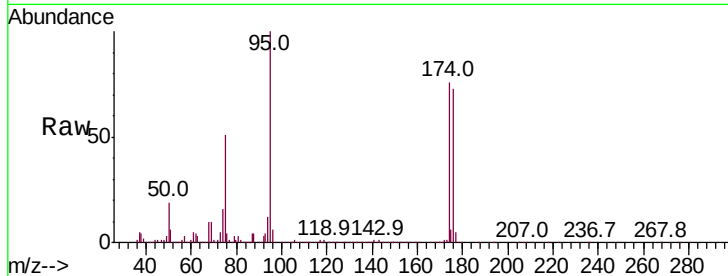
BP-VPB181-GW-678-680

Tot Ion: 75 Resp: 237864

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.338 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018103.D

Acq: 27 Aug 2020 19:45

Tgt Ion: 75 Resp: 237864

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.1 36.6 54.8#

