

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082720\
 Data File : VX018104.D
 Acq On : 27 Aug 2020 20:08
 Operator : JC/SP
 Sample : L3820-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-703-705

Quant Time: Aug 28 03:05:33 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	615737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1035298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	979590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	448874	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	428208	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	5.47	113	339436	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.70	98	1267984	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.12	95	476871	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	

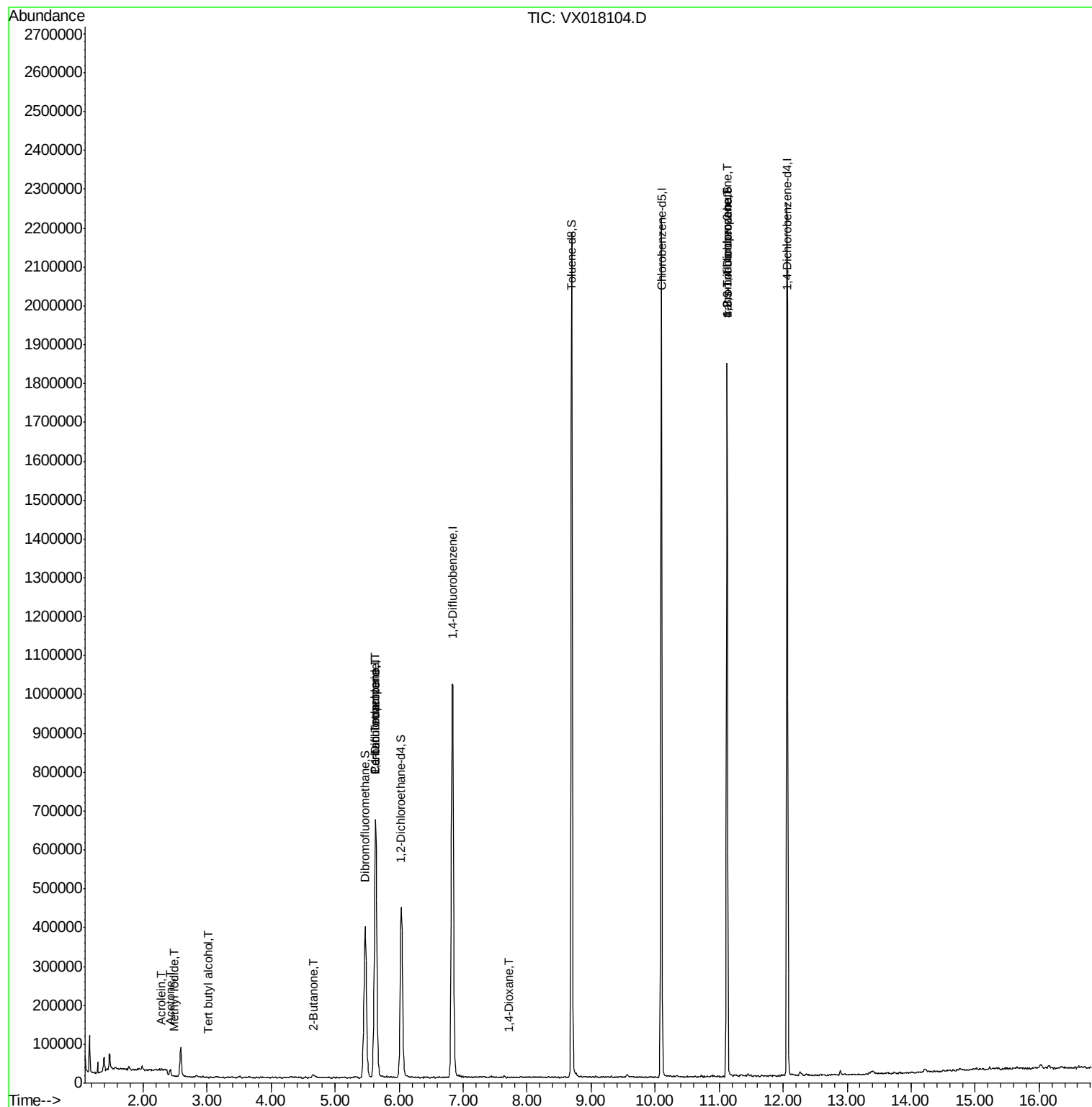
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	475	5.355	ug/l #	45
11) Tert butyl alcohol	3.03	59	1211	0.729	ug/l #	78
13) Acrolein	2.28	56	231	0.335	ug/l	94
16) Acetone	2.43	43	16611	4.987	ug/l	96
20) Methylene Chloride	2.84	84	2062	Below Cal	#	48
25) 2-Butanone	4.65	43	3623	0.662	ug/l #	70
36) 1,1-Dichloropropene	5.64	75	48484	5.077	ug/l #	42
38) Carbon Tetrachloride	5.64	117	61503	5.715	ug/l #	18
49) 1,4-Dioxane	7.72	88	226	1.399	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	232159	23.250	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	232159	62.794	ug/l #	12

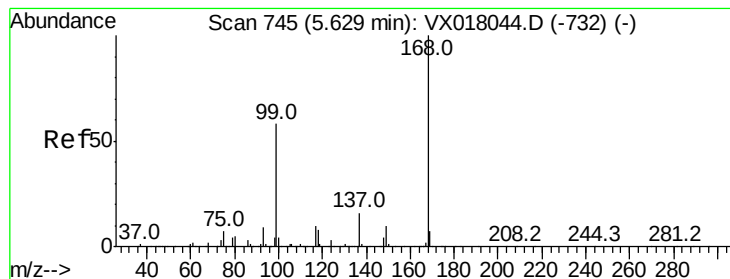
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082720\
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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: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

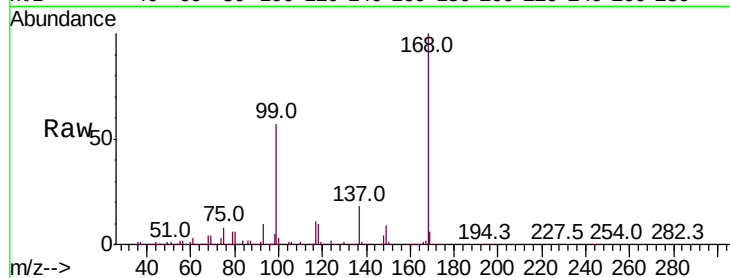
BP-VPB181-GW-703-705

Tot Ion:168 Resp: 615737

Ion Ratio Lower Upper

168 100

99 56.5 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

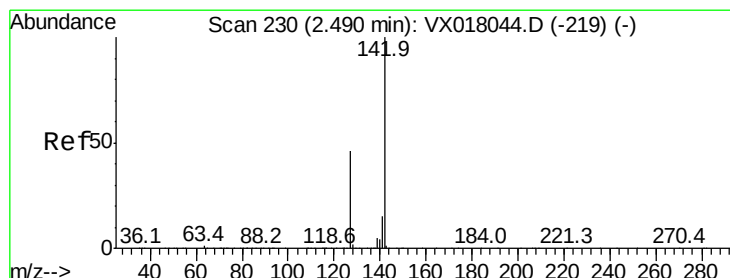
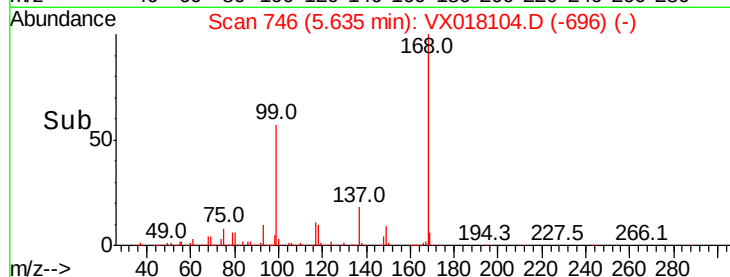
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.355 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

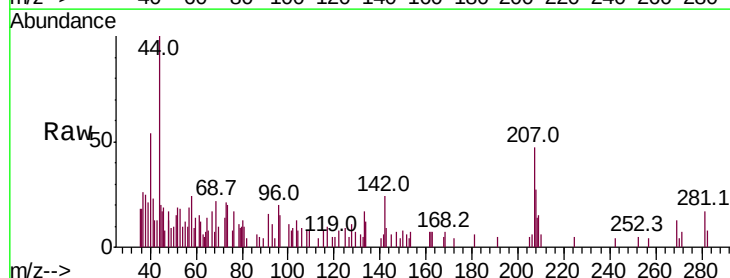
Tgt Ion:142 Resp: 475

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 10.7 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

400

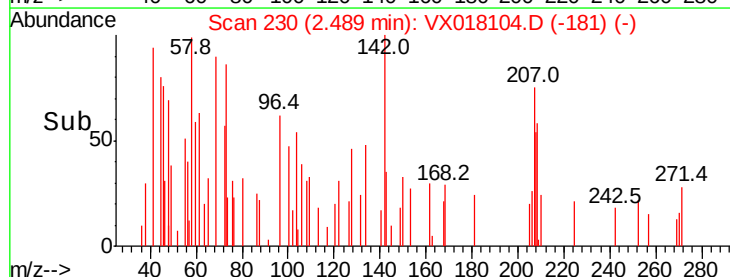
300

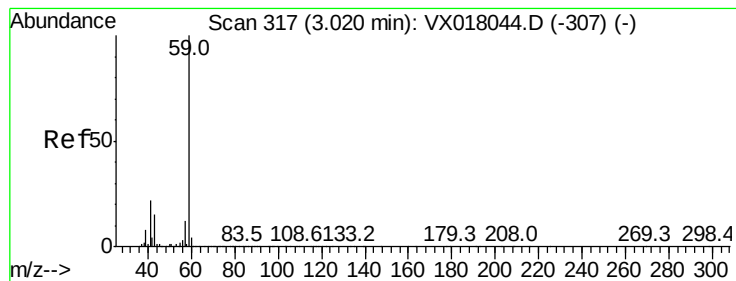
200

100

0

Time-->



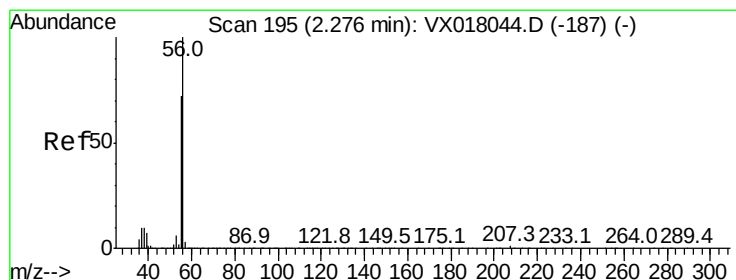
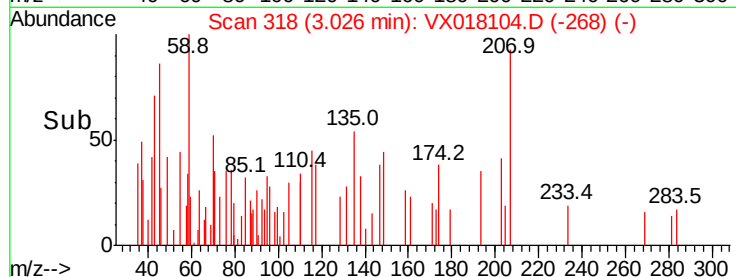
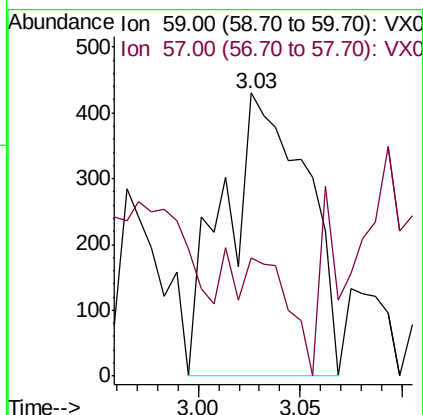
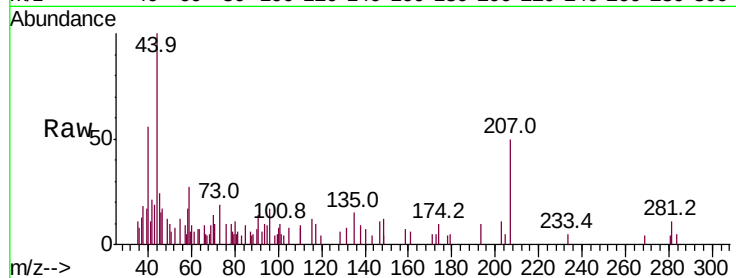


#11

Tert butyl alcohol
Concen: 0.729 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX018104.D
Acq: 27 Aug 2020 20:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-703-705

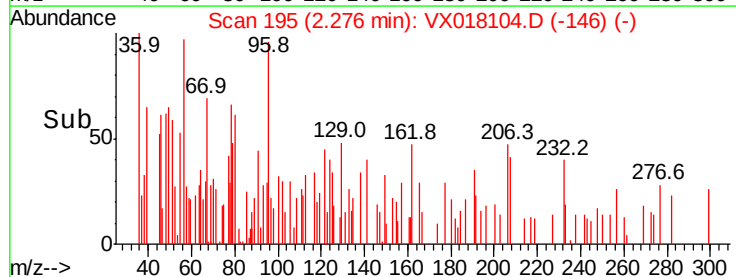
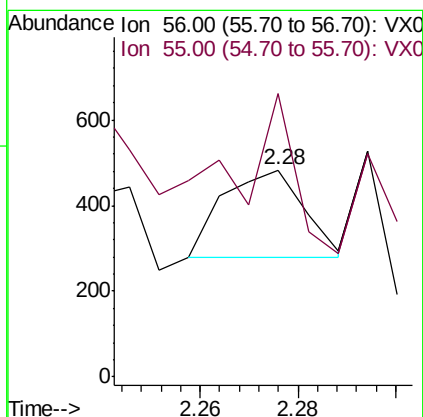
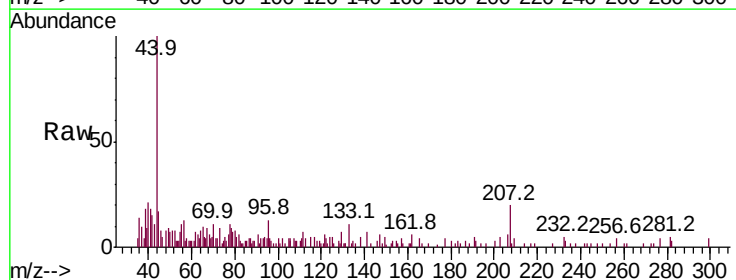
Tot Ion: 59 Resp: 1211
Ion Ratio Lower Upper
59 100
57 2.7 8.9 13.3#

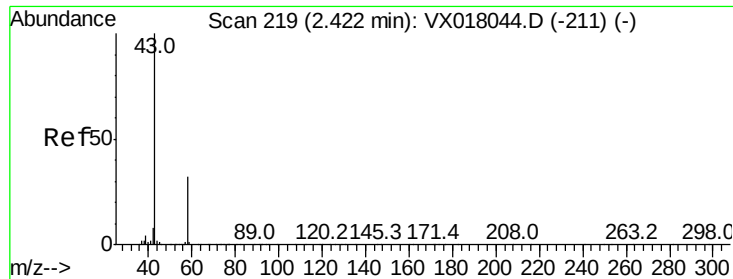


#13

Acrolein
Concen: 0.335 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018104.D
Acq: 27 Aug 2020 20:08

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 76.6 57.0 85.6





#16

Acetone

Concen: 4.987 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

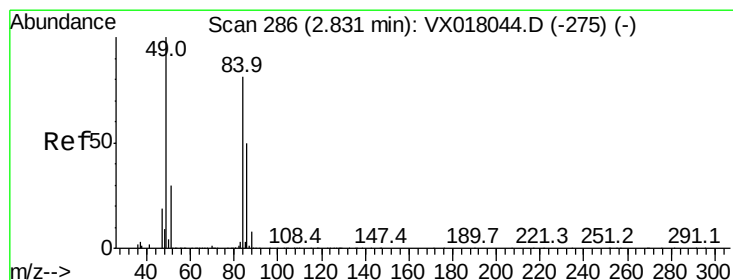
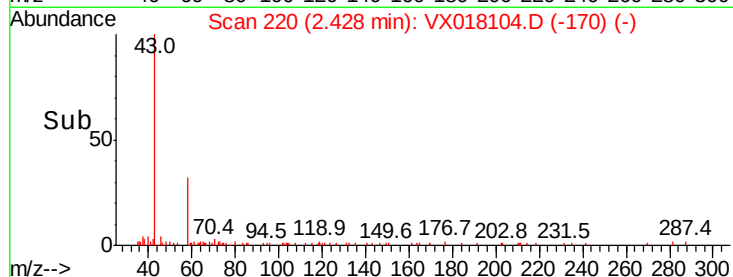
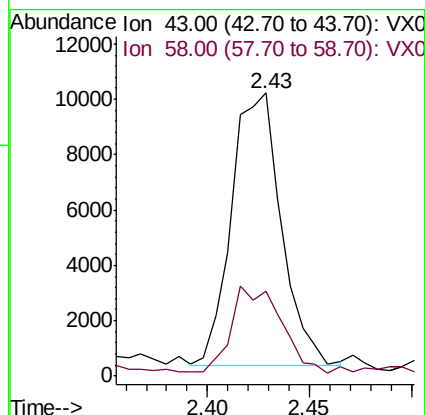
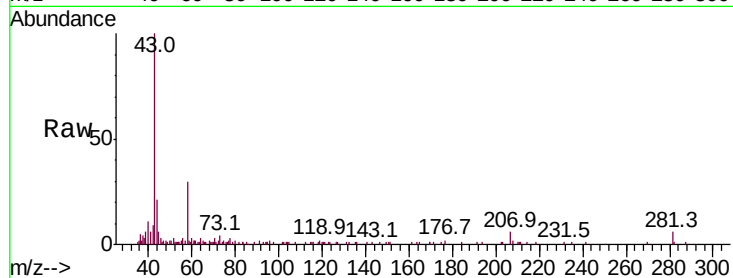
BP-VPB181-GW-703-705

Tot Ion: 43 Resp: 16611

Ion Ratio Lower Upper

43 100

58 29.4 25.5 38.3



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Tgt Ion: 84 Resp: 2062

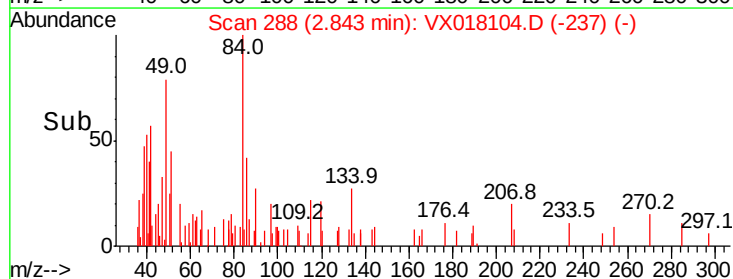
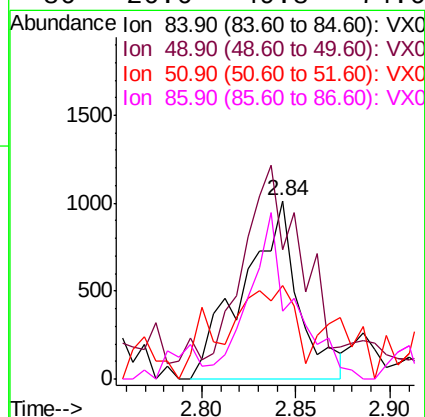
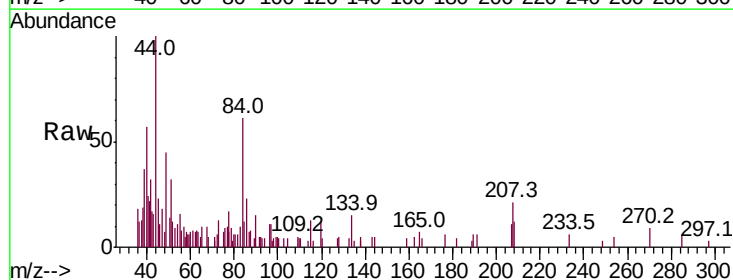
Ion Ratio Lower Upper

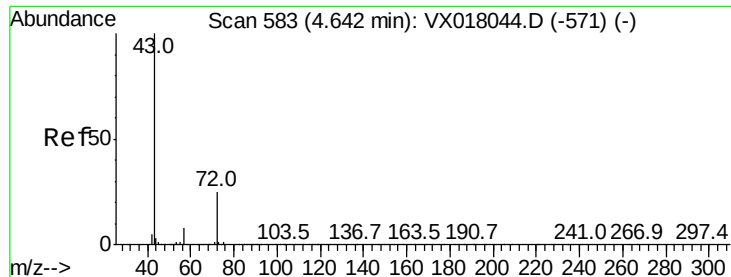
84 100

49 46.0 98.6 148.0#

51 32.6 29.6 44.4

86 26.6 49.8 74.6#





#25

2-Butanone

Concen: 0.662 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

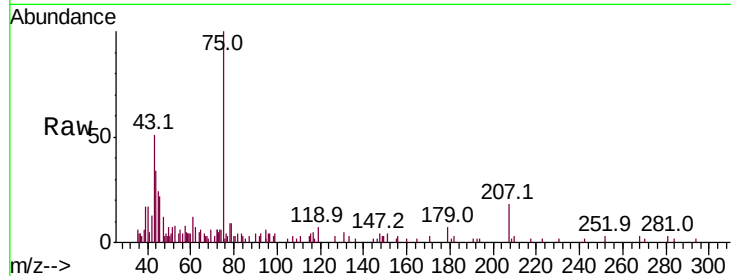
BP-VPB181-GW-703-705

Tot Ion: 43 Resp: 3623

Ion Ratio Lower Upper

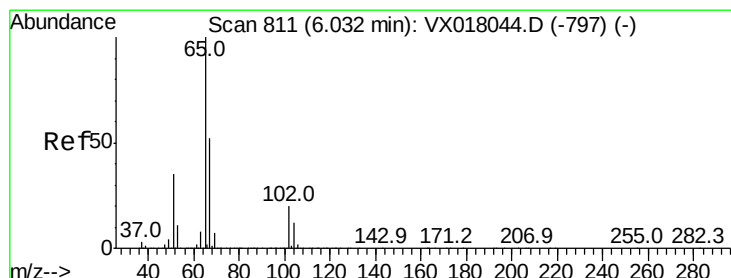
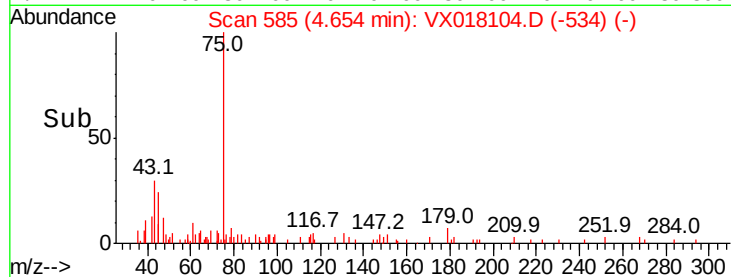
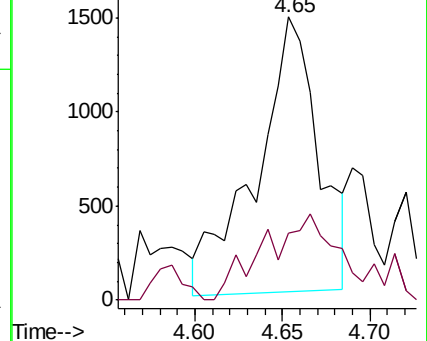
43 100

72 9.6 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.094 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018104.D

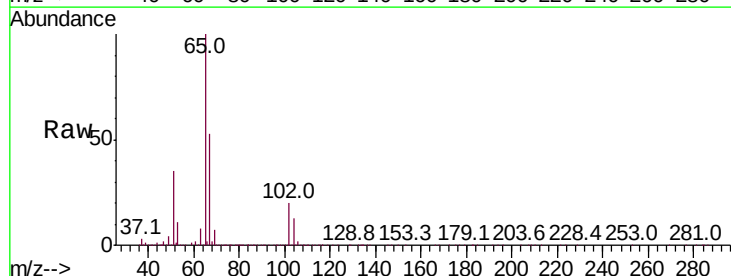
Acq: 27 Aug 2020 20:08

Tgt Ion: 65 Resp: 428208

Ion Ratio Lower Upper

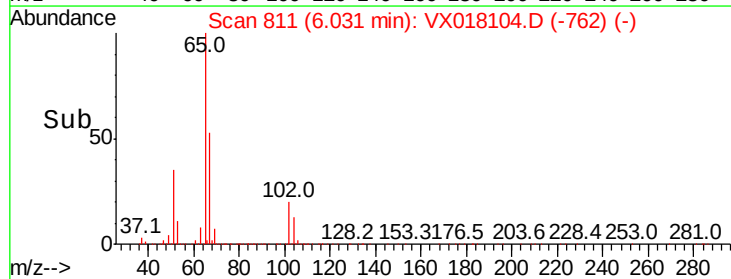
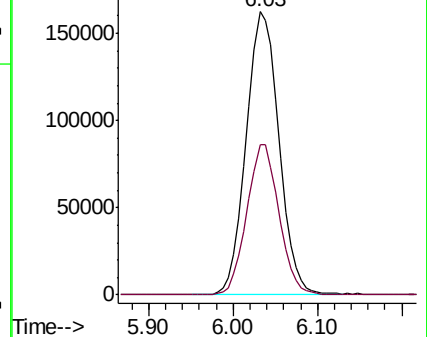
65 100

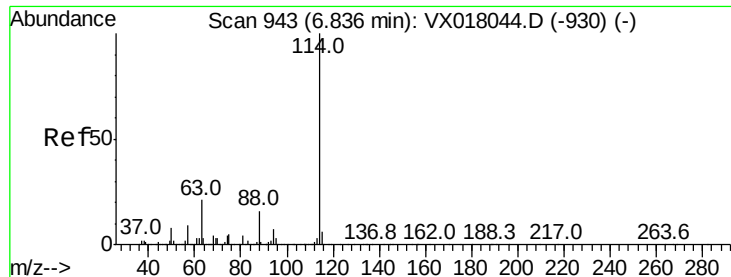
67 51.9 0.0 105.8



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: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-703-705

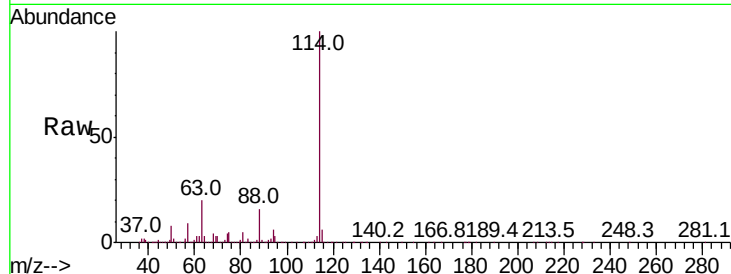
Tot Ion:114 Resp: 1035298

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

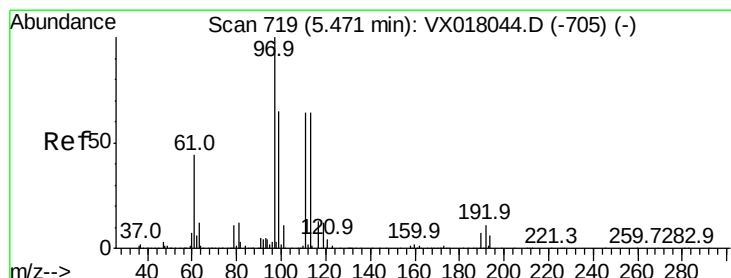
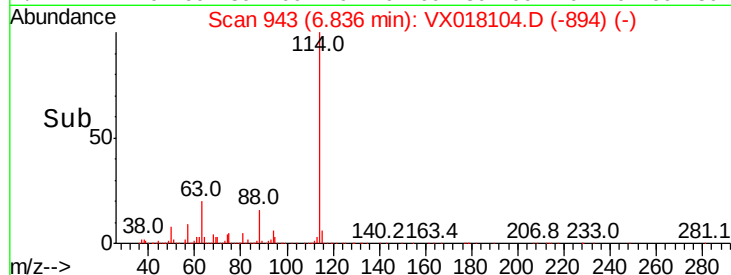
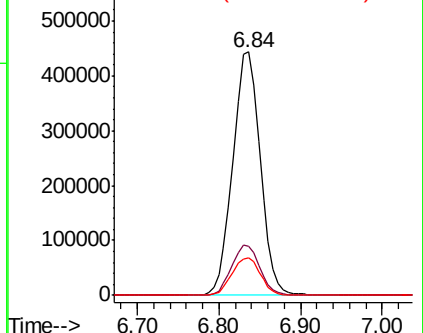
88 15.6 0.0 31.8



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: 48.141 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

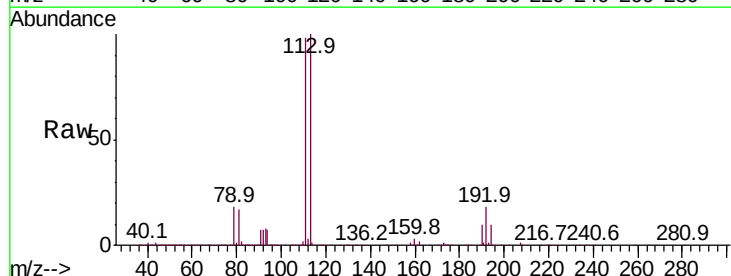
Tgt Ion:113 Resp: 339436

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

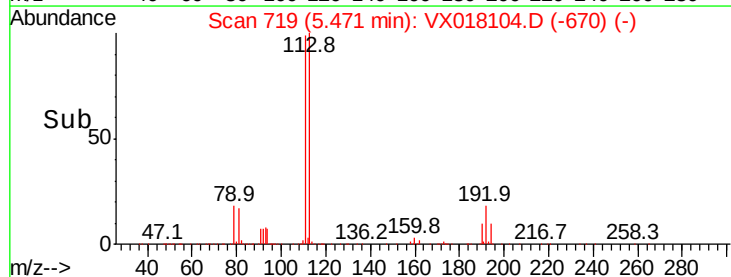
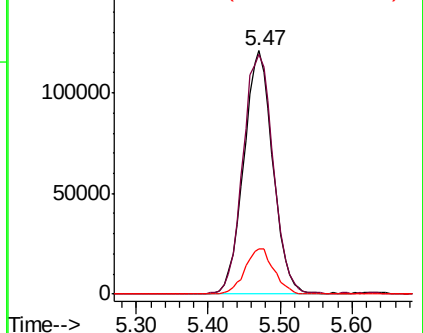
192 18.7 15.8 23.8

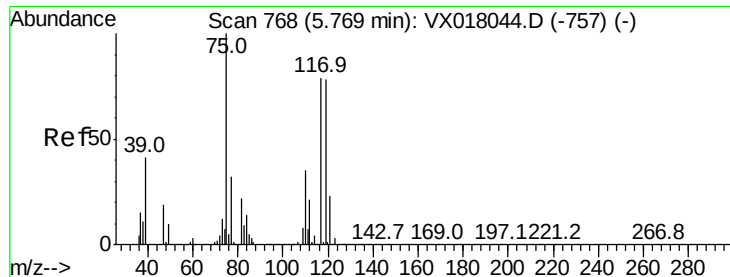


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.077 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-703-705

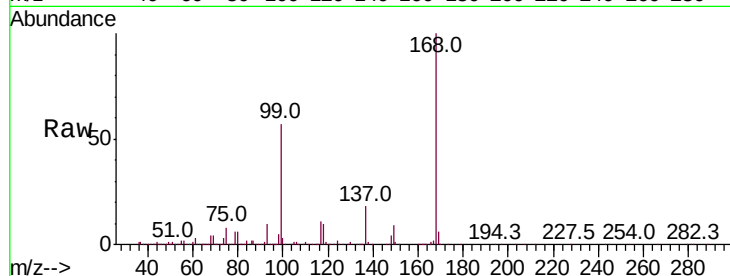
Tot Ion: 75 Resp: 48484

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

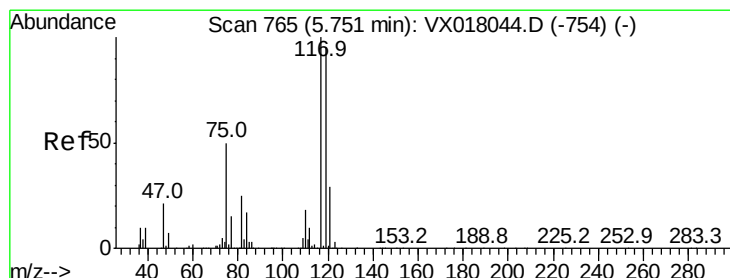
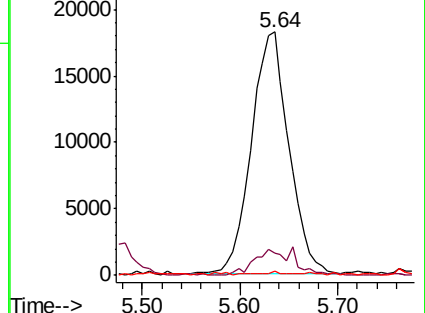
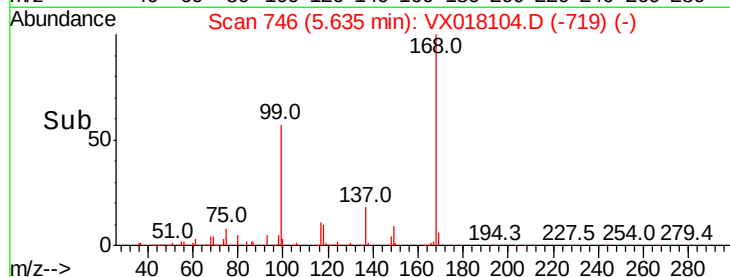
77 0.7 24.4 36.6#



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: 5.715 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

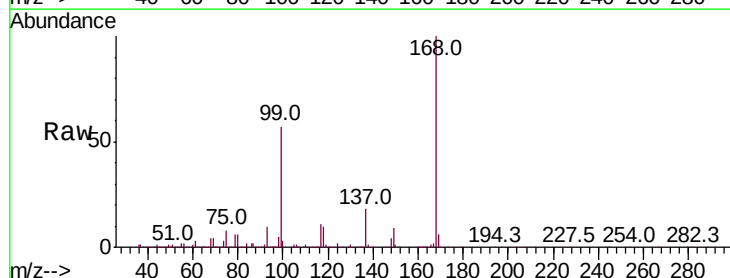
Tgt Ion: 117 Resp: 61503

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

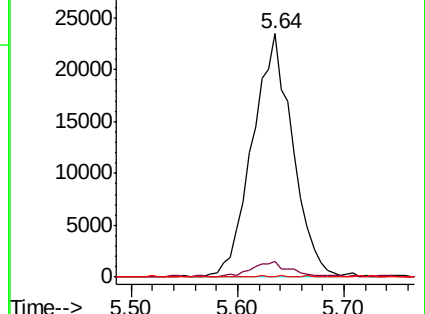
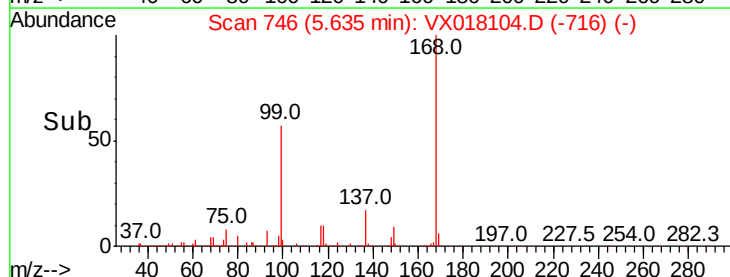
121 0.3 23.4 35.0#

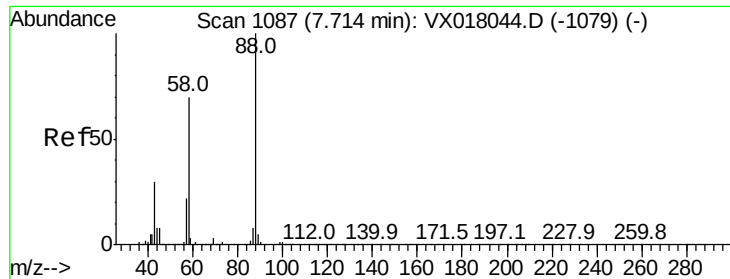


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.399 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

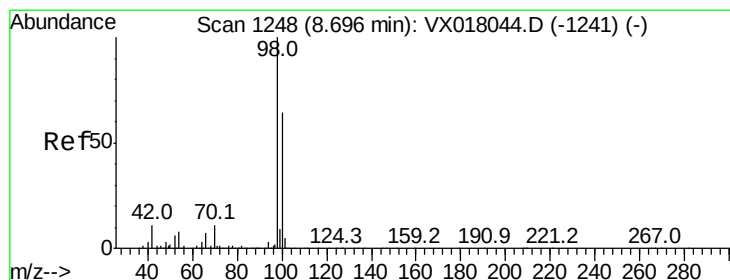
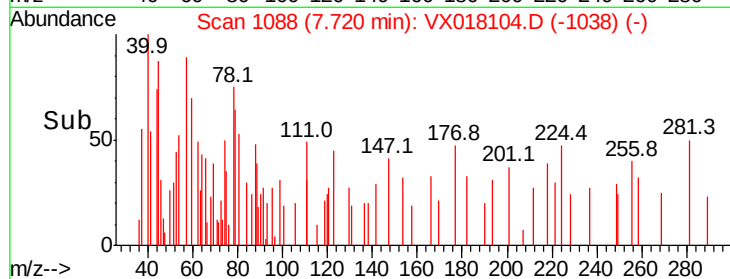
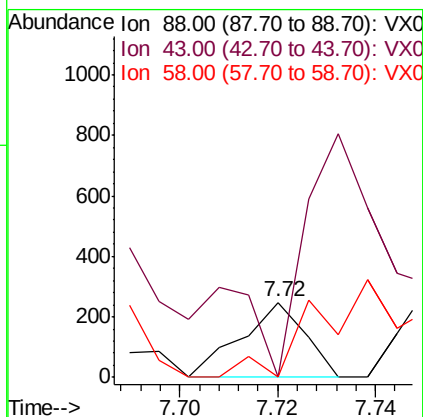
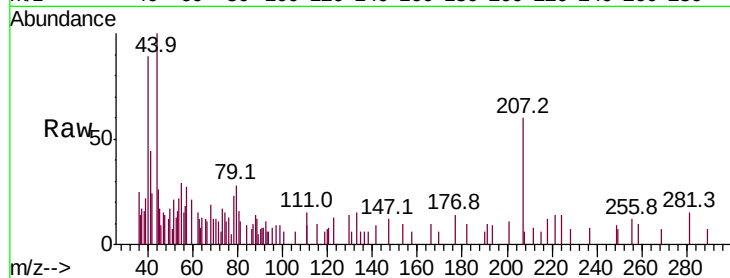
Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-703-705

Tot Ion: 88 Resp: 226

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	0.0	56.4	84.6#



#50

Toluene-d8

Concen: 48.283 ug/l

RT: 8.70 min Scan# 1248

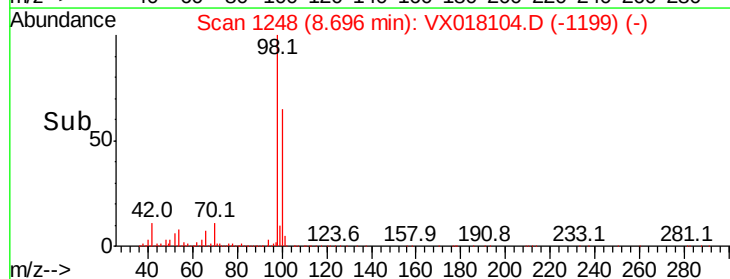
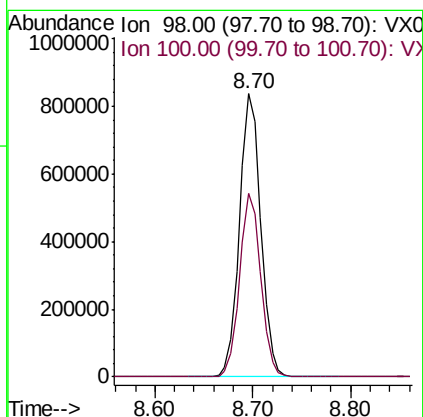
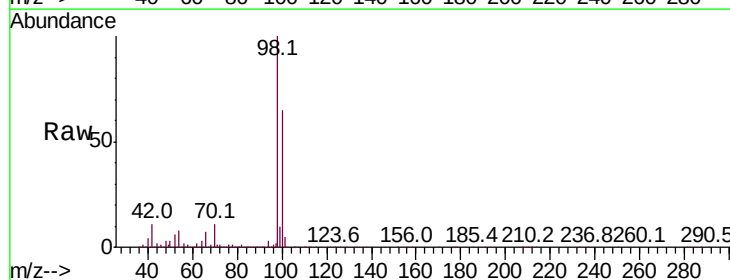
Delta R.T. -0.00 min

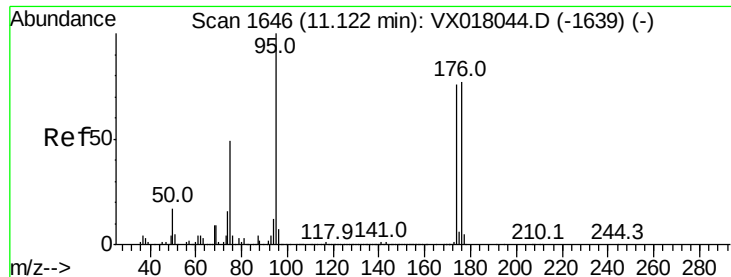
Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Tgt Ion: 98 Resp: 1267984

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 46.153 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-703-705

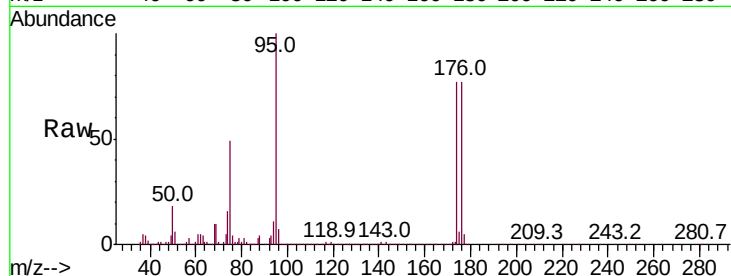
Tot Ion: 95 Resp: 476871

Ion Ratio Lower Upper

95 100

174 75.4 0.0 160.2

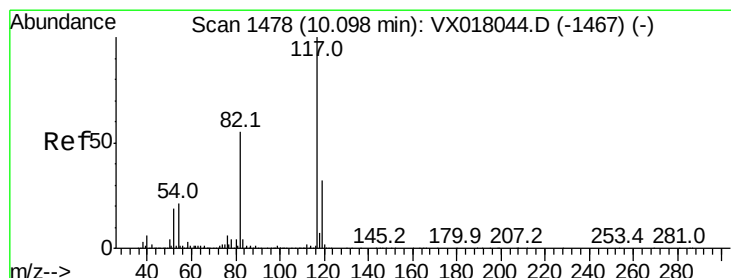
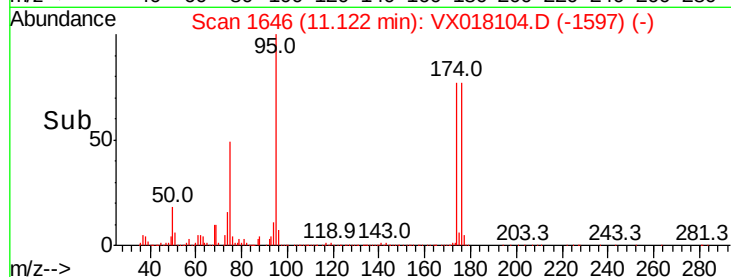
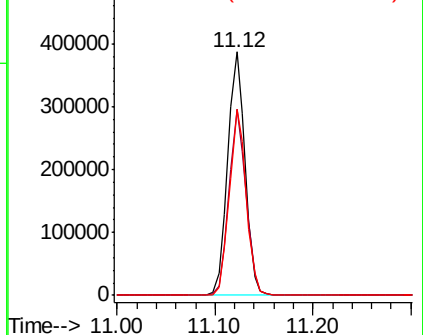
176 74.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

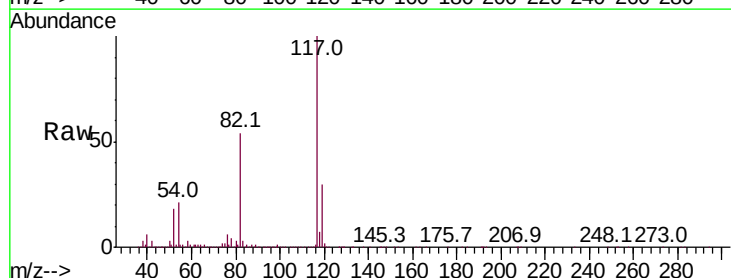
Tgt Ion: 117 Resp: 979590

Ion Ratio Lower Upper

117 100

82 54.2 44.2 66.2

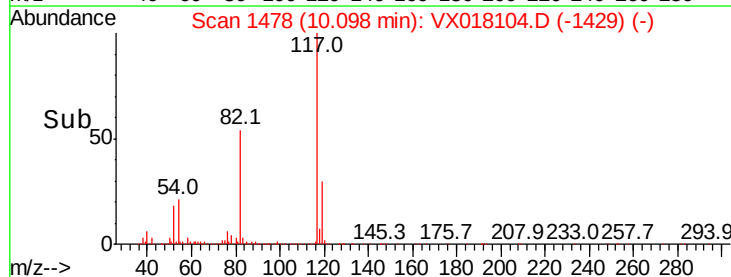
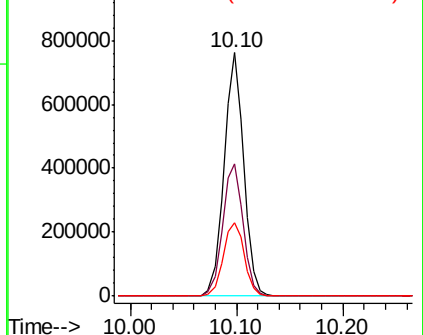
119 30.4 25.7 38.5

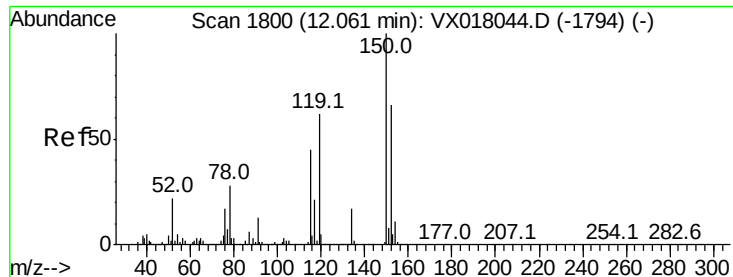


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-703-705

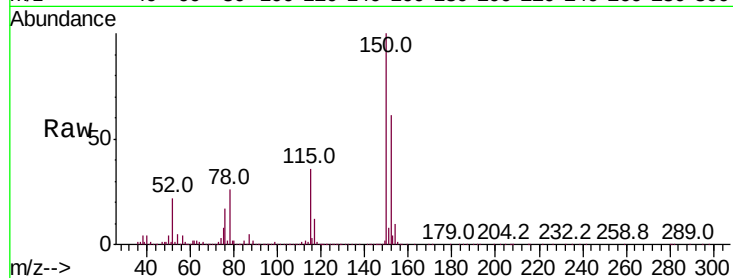
Tot Ion:152 Resp: 448874

Ion Ratio Lower Upper

152 100

115 59.7 41.5 124.5

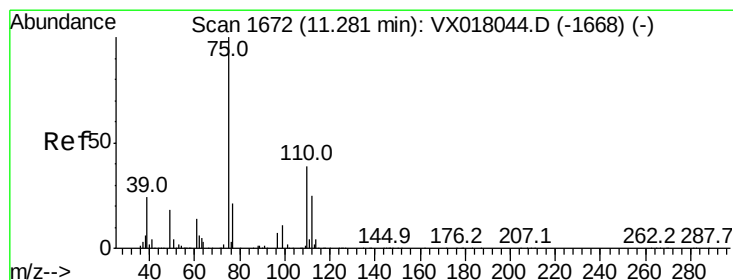
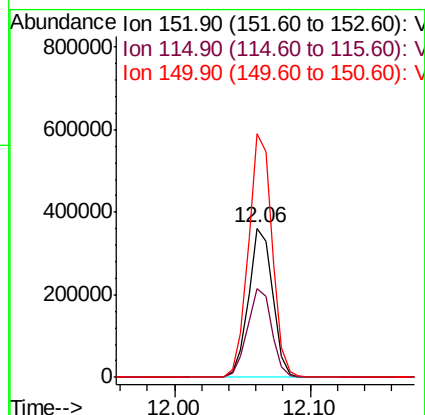
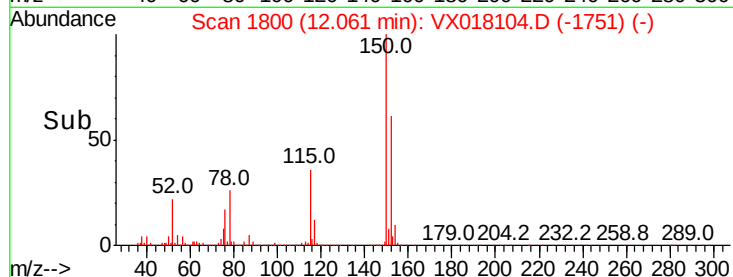
150 160.7 0.0 343.8



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: 23.250 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018104.D

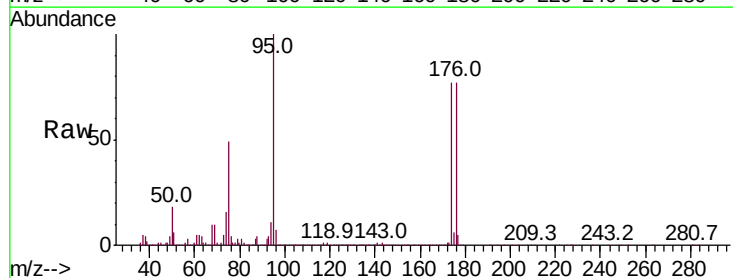
Acq: 27 Aug 2020 20:08

Tgt Ion: 75 Resp: 232159

Ion Ratio Lower Upper

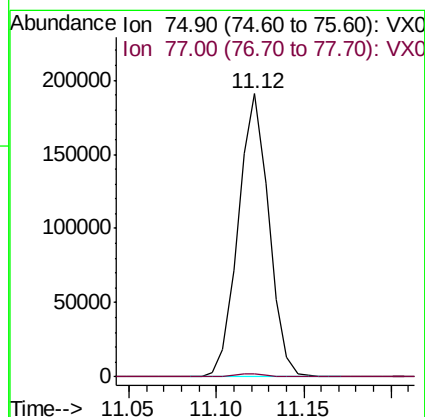
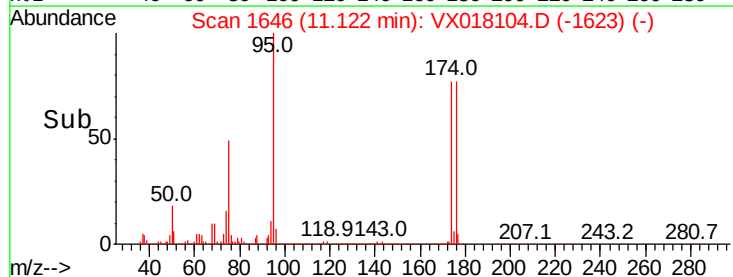
75 100

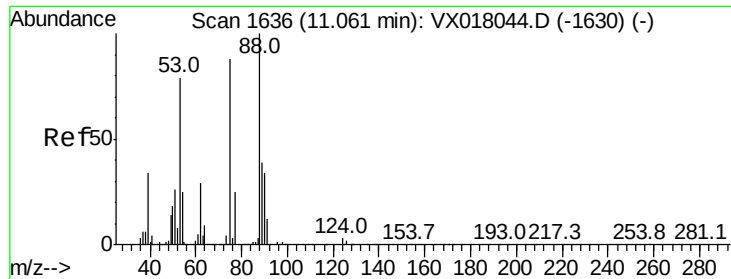
77 1.3 20.8 62.2#



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: 62.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018104.D

Acq: 27 Aug 2020 20:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-703-705

Tot Ion: 75 Resp: 232159

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.1 36.6 54.8#

