

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082720\
 Data File : VX018101.D
 Acq On : 27 Aug 2020 18:59
 Operator : JC/SP
 Sample : L3820-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-DUP-20200825

Quant Time: Aug 28 03:05:02 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	623784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1036735	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	981393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	451057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	421584	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	5.47	113	336811	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	8.70	98	1277155	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.12	95	480044	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

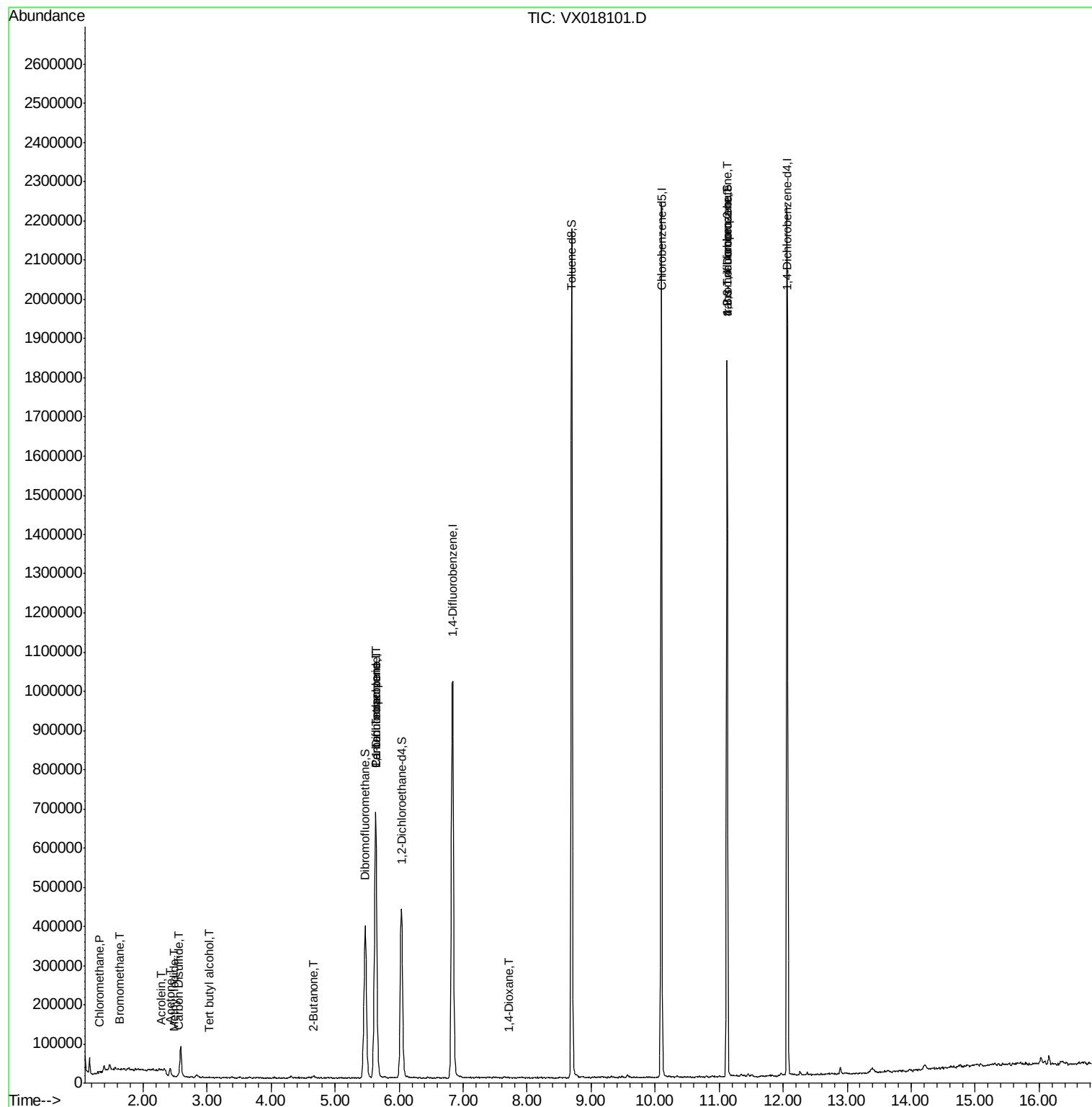
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2927	0.366	ug/l #	83
5) Bromomethane	1.64	94	963	0.250	ug/l #	46
10) Methyl Iodide	2.49	142	884	5.412	ug/l #	44
11) Tert butyl alcohol	3.03	59	979	0.581	ug/l #	1
13) Acrolein	2.28	56	829	1.187	ug/l #	57
16) Acetone	2.42	43	22394	6.637	ug/l	91
17) Carbon Disulfide	2.55	76	8326	0.452	ug/l	99
20) Methylene Chloride	2.84	84	3893	Below Cal	#	79
25) 2-Butanone	4.66	43	3524	0.635	ug/l	95
36) 1,1-Dichloropropene	5.63	75	48322	5.053	ug/l #	51
38) Carbon Tetrachloride	5.64	117	63546	5.897	ug/l #	17
49) 1,4-Dioxane	7.72	88	191	1.181	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	236497	23.570	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	236497	63.658	ug/l #	12

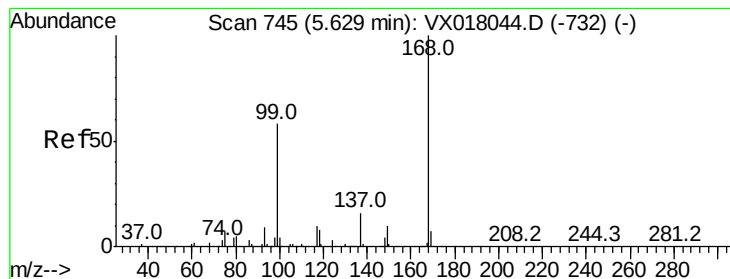
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018101.D

Acq: 27 Aug 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

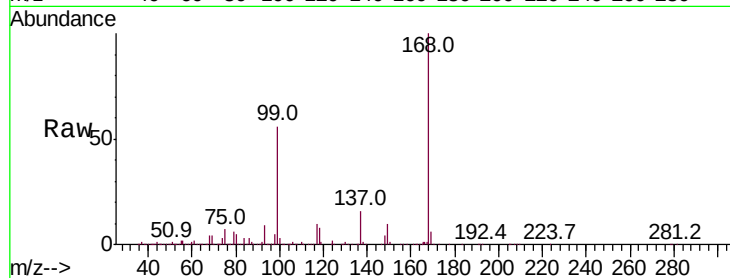
BP-VPB181-DUP-20200825

Tot Ion:168 Resp: 623784

Ion Ratio Lower Upper

168 100

99 55.8 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

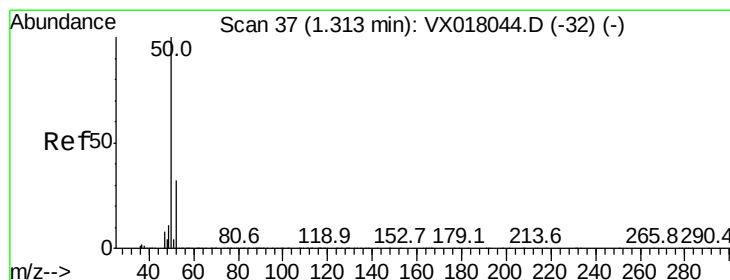
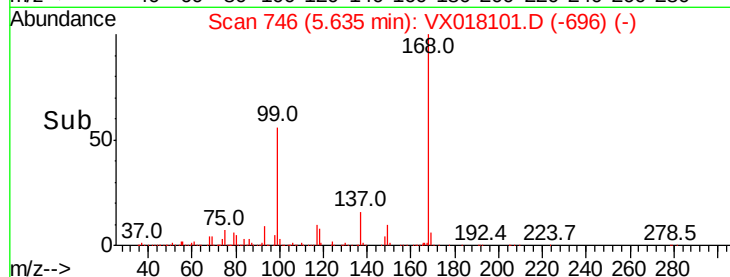
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.366 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018101.D

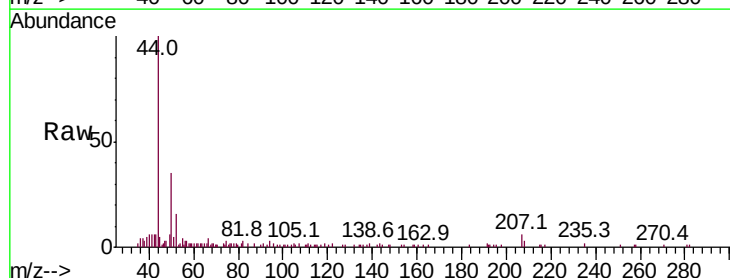
Acq: 27 Aug 2020 18:59

Tgt Ion: 50 Resp: 2927

Ion Ratio Lower Upper

50 100

52 41.5 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

3000

2500

2000

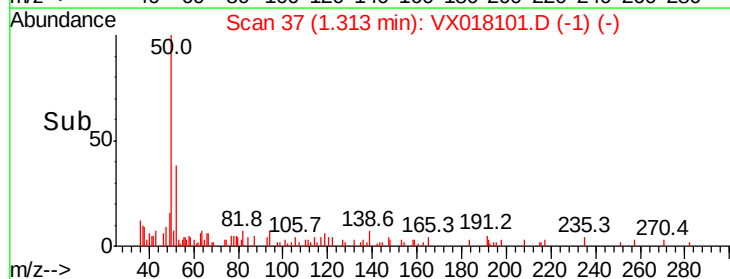
1500

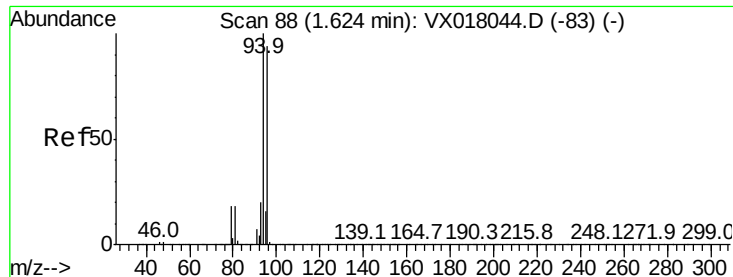
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.250 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

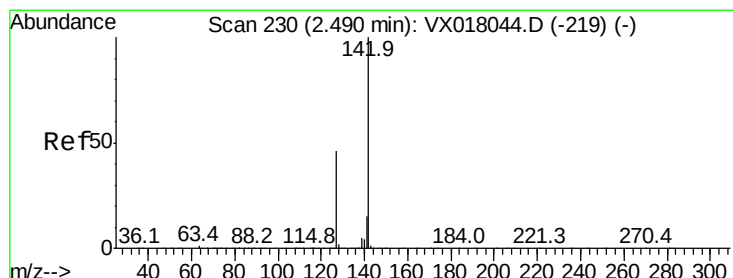
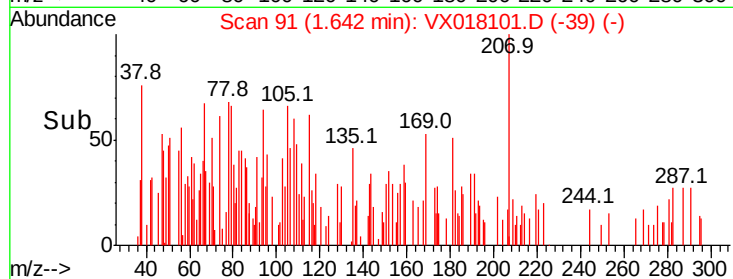
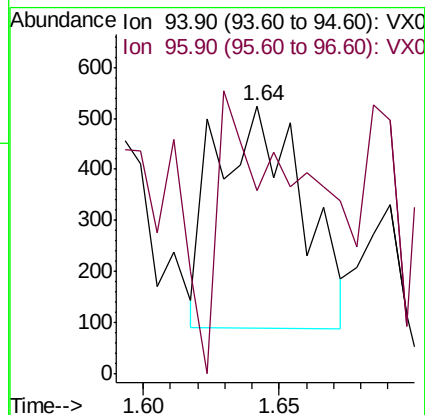
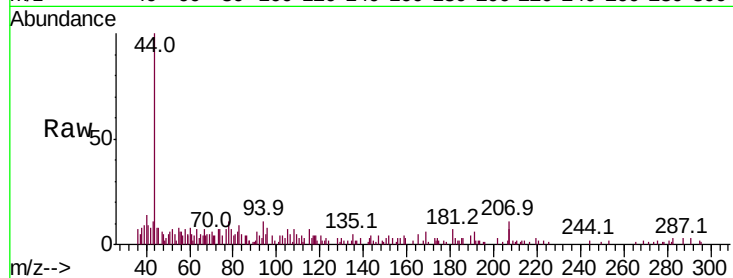
BP-VPB181-DUP-20200825

Tot Ion: 94 Resp: 963

Ion Ratio Lower Upper

94 100

96 41.7 74.8 112.2#



#10

Methyl Iodide

Concen: 5.412 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

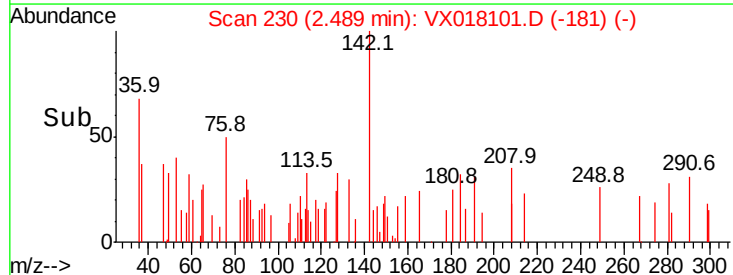
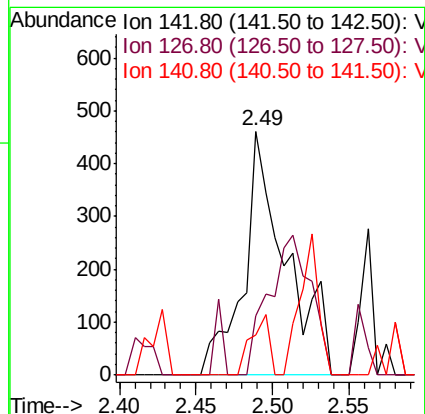
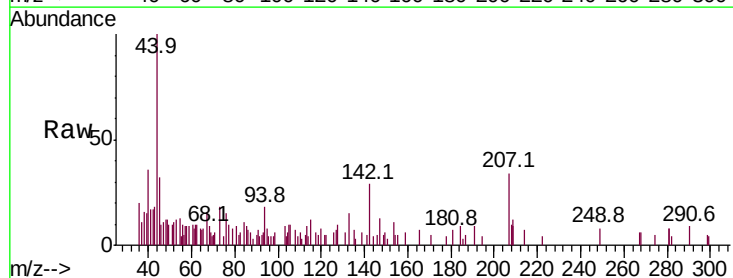
Tgt Ion: 142 Resp: 884

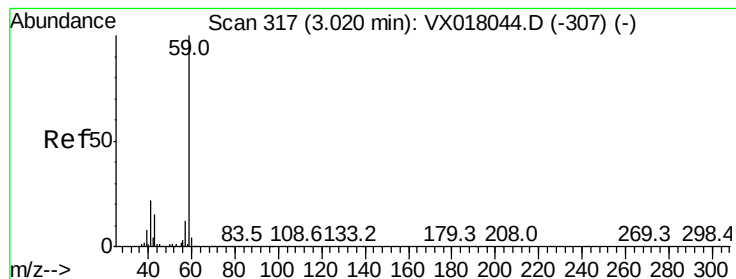
Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 10.5 11.5 17.3#





#11

Tert butyl alcohol

Concen: 0.581 ug/l

RT: 3.03 min Scan# 319

Delta R.T. 0.01 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

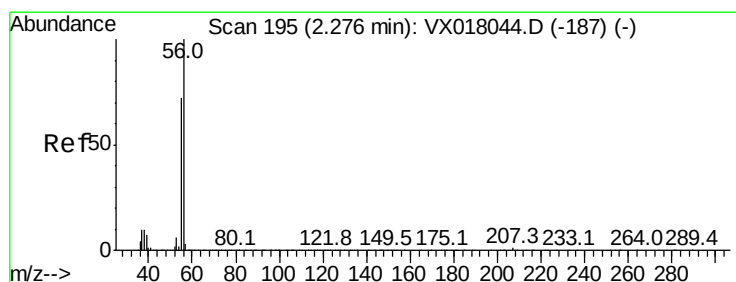
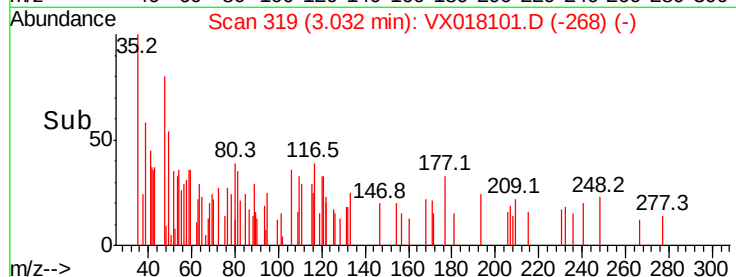
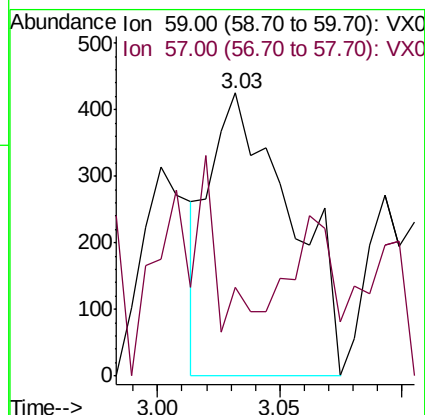
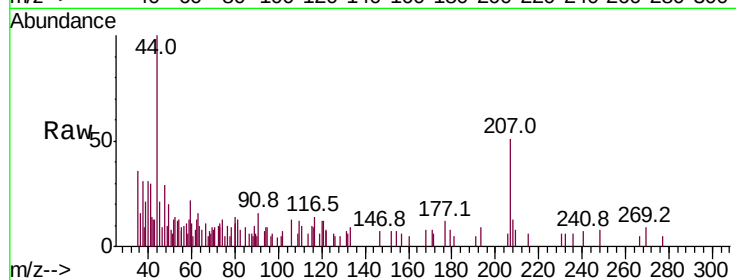
BP-VPB181-DUP-20200825

Tot Ion: 59 Resp: 979

Ion Ratio Lower Upper

59 100

57 51.6 8.9 13.3#



#13

Acrolein

Concen: 1.187 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018101.D

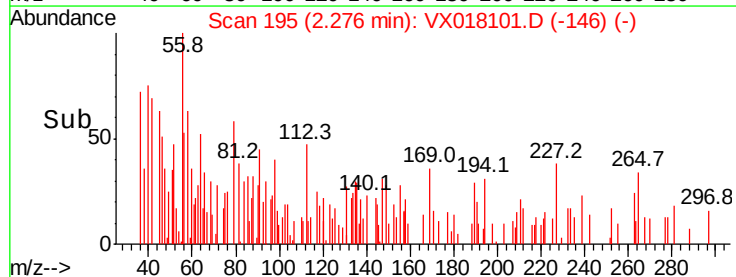
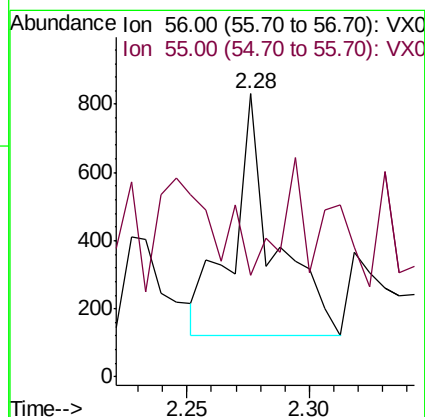
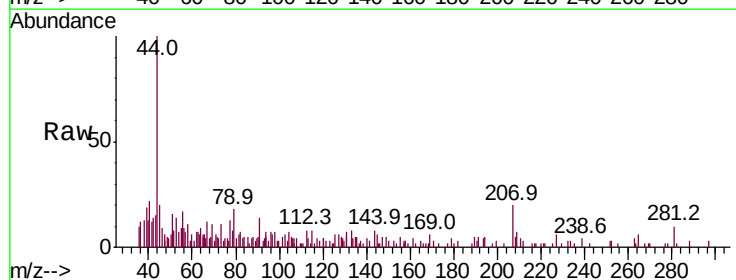
Acq: 27 Aug 2020 18:59

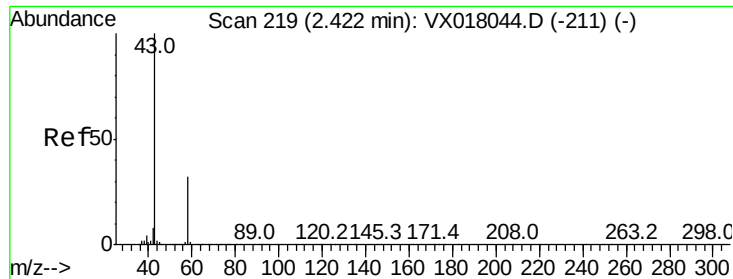
Tgt Ion: 56 Resp: 829

Ion Ratio Lower Upper

56 100

55 36.1 57.0 85.6#

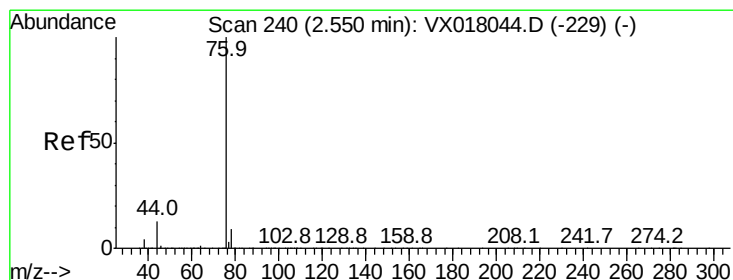
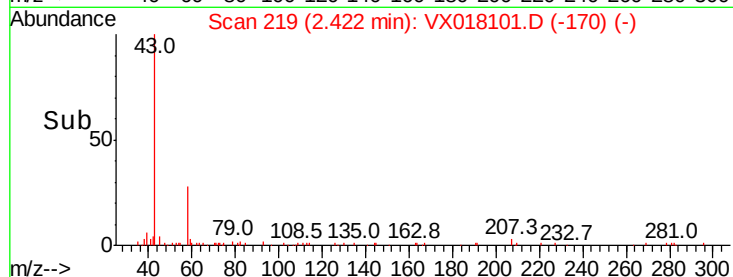
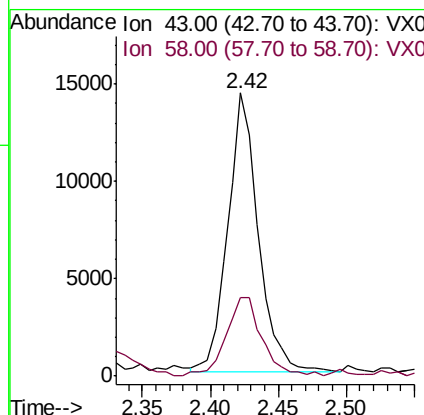
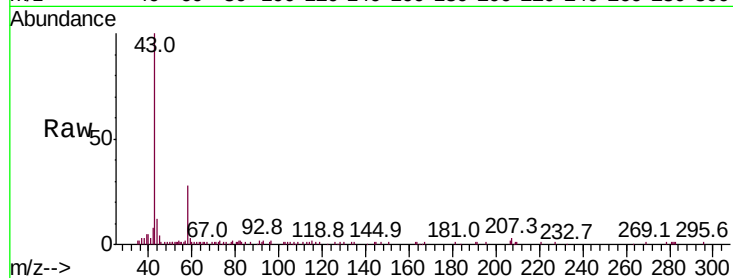




#16
Acetone
Concen: 6.637 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018101.D
Acq: 27 Aug 2020 18:59

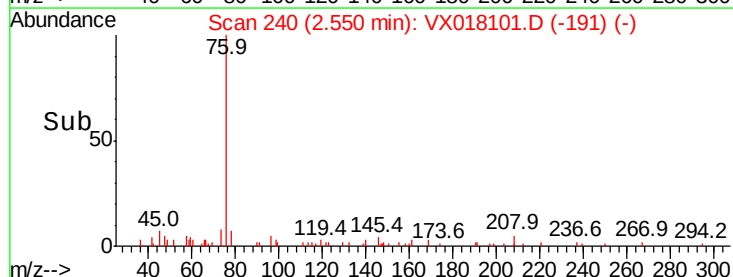
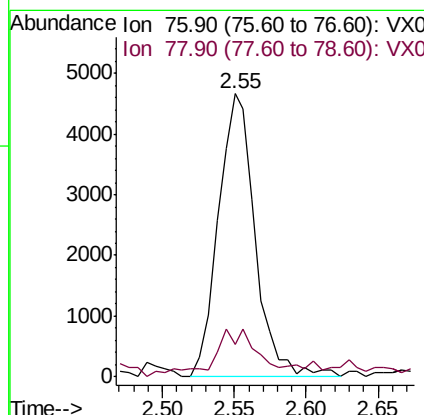
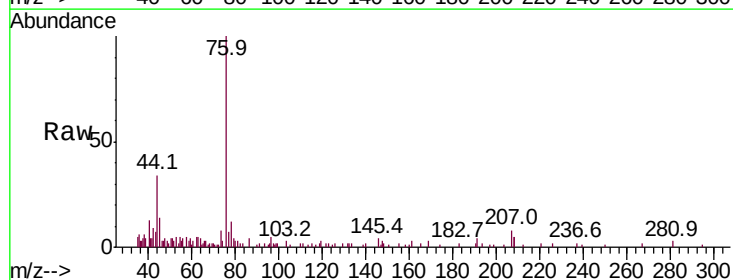
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-DUP-20200825

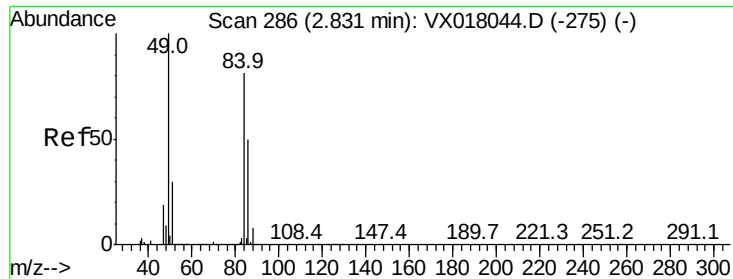
Tot Ion: 43 Resp: 22394
Ion Ratio Lower Upper
43 100
58 26.9 25.5 38.3



#17
Carbon Disulfide
Concen: 0.452 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018101.D
Acq: 27 Aug 2020 18:59

Tgt Ion: 76 Resp: 8326
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

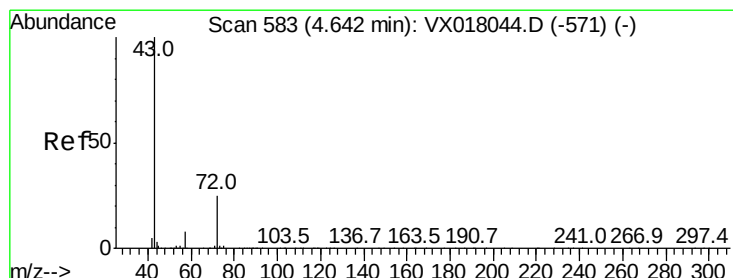
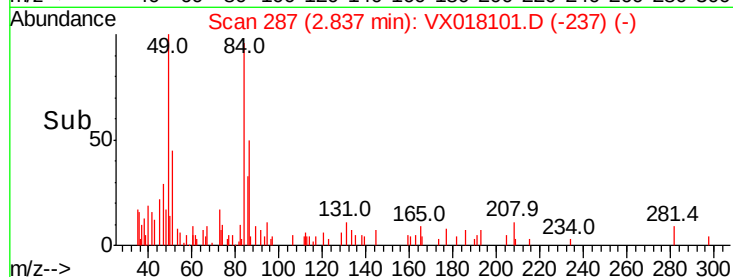
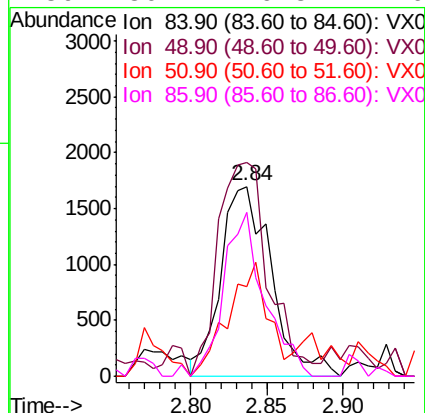
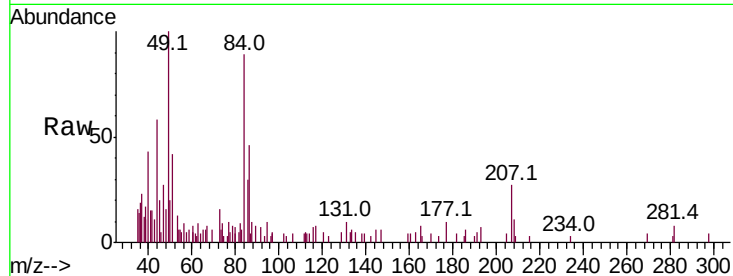




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018101.D
Acq: 27 Aug 2020 18:59

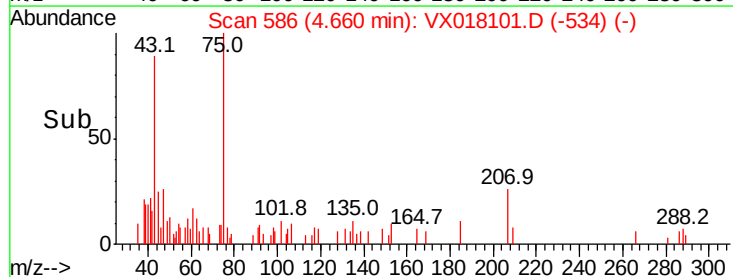
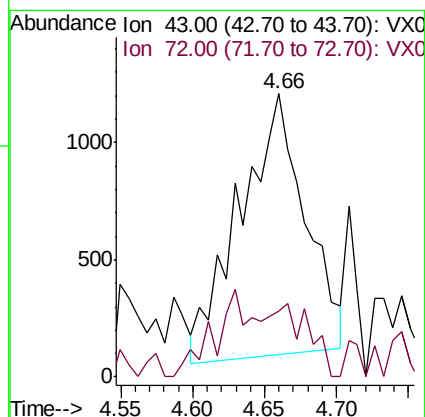
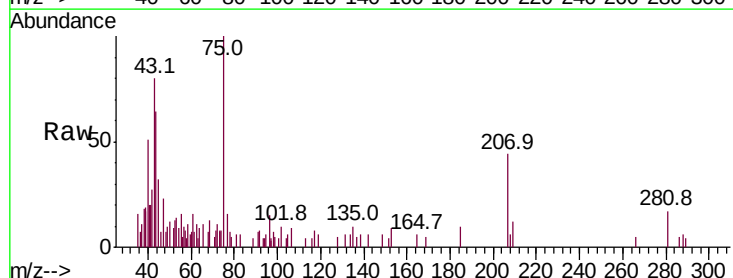
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-DUP-20200825

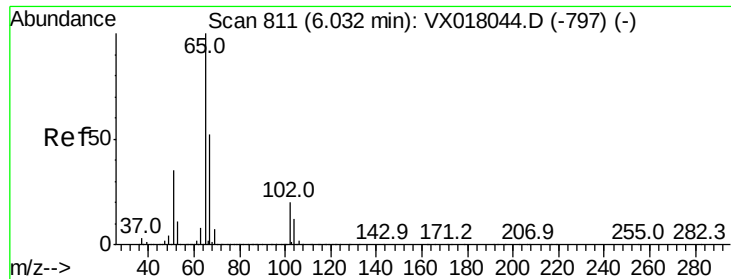
Tot Ion: 84 Resp: 3893
Ion Ratio Lower Upper
84 100
49 105.1 98.6 148.0
51 47.2 29.6 44.4#
86 86.4 49.8 74.6#



#25
2-Butanone
Concen: 0.635 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018101.D
Acq: 27 Aug 2020 18:59

Tgt Ion: 43 Resp: 3524
Ion Ratio Lower Upper
43 100
72 27.1 19.8 29.6





#33

1,2-Dichloroethane-d4

Concen: 48.683 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

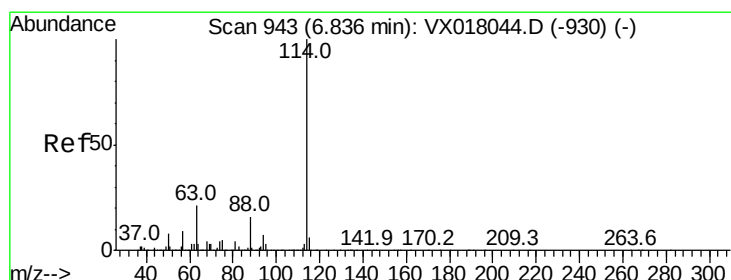
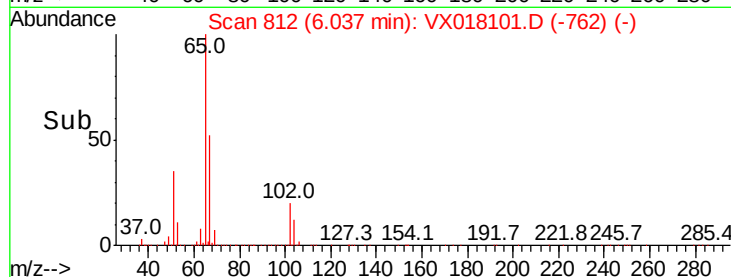
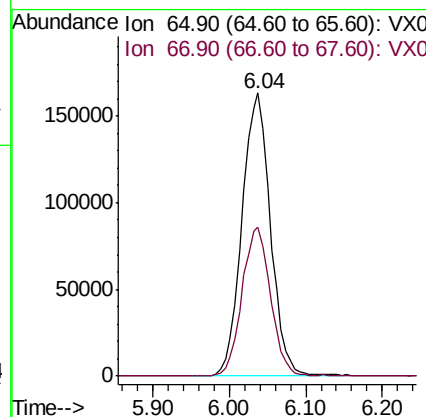
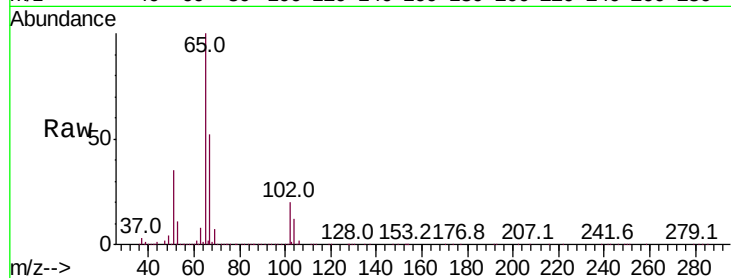
Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-DUP-20200825

Tot Ion: 65 Resp: 421584

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

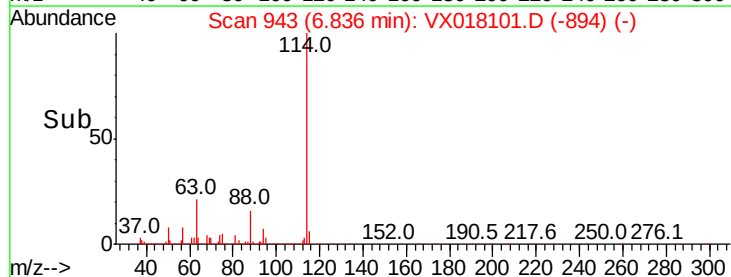
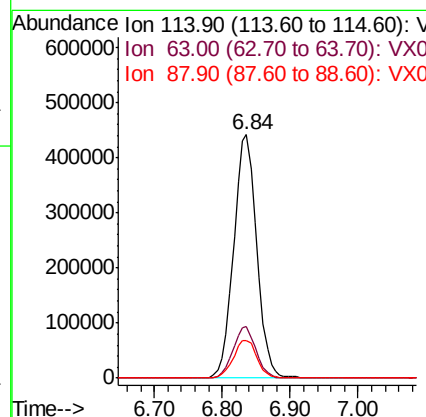
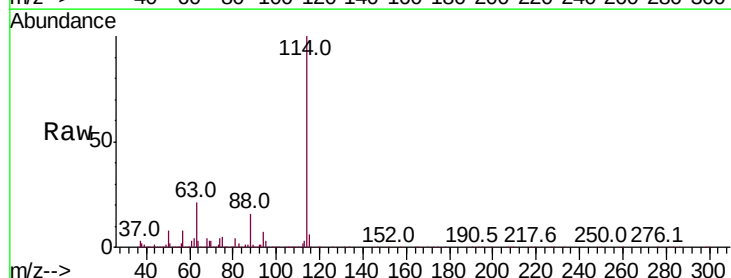
Delta R.T. -0.00 min

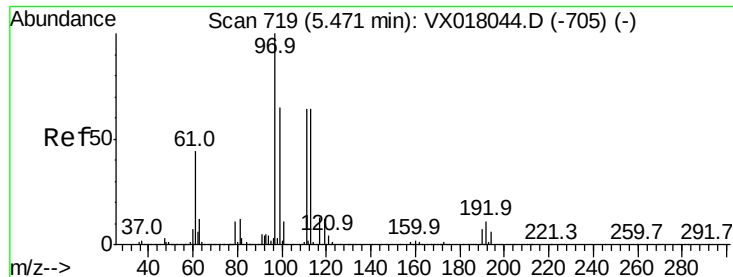
Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Tgt Ion: 114 Resp: 1036735

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.6
88	15.6	0.0	31.8

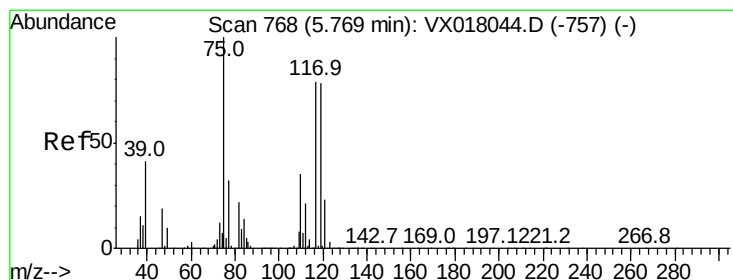
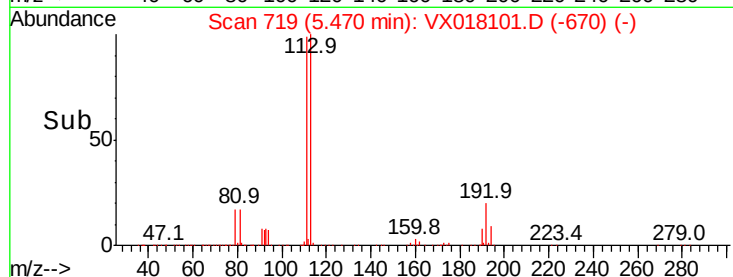
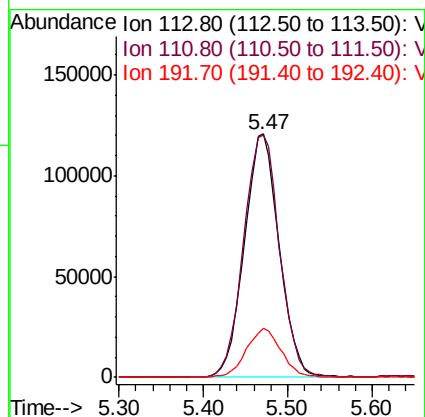
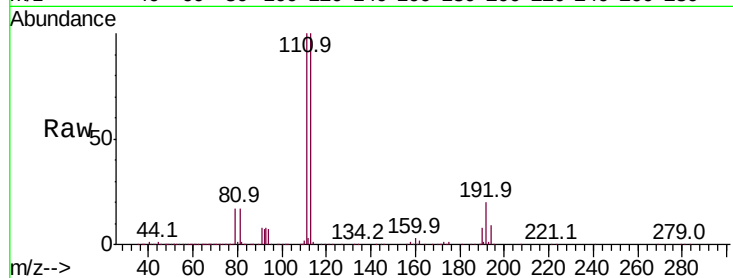




#35
 Dibromofluoromethane
 Concen: 47.702 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018101.D
 Acq: 27 Aug 2020 18:59

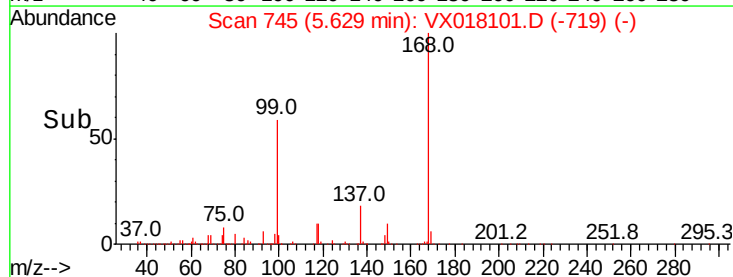
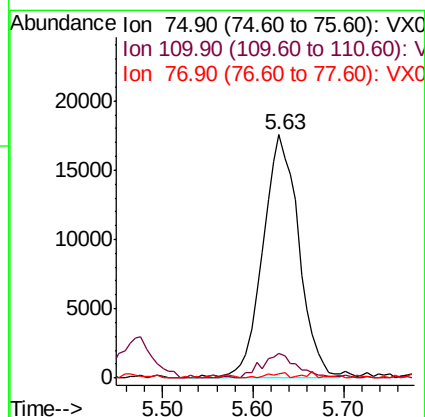
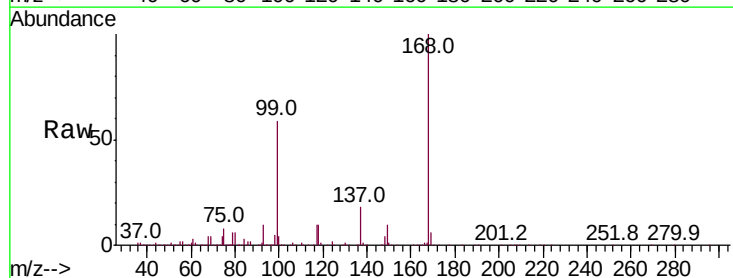
Instrument :
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 ClientSampleId :
 BP-VPB181-DUP-20200825

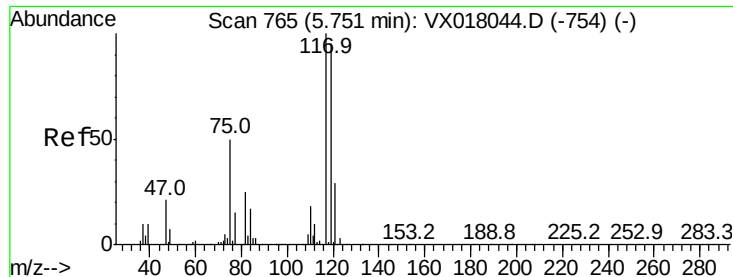
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	20.2	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018101.D
 Acq: 27 Aug 2020 18:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.0	54.0#
77	1.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 5.897 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-DUP-20200825

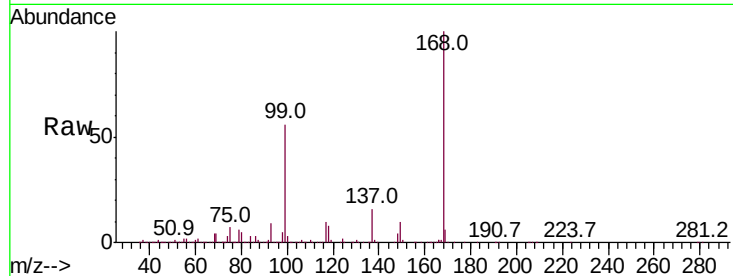
Tot Ion:117 Resp: 63546

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

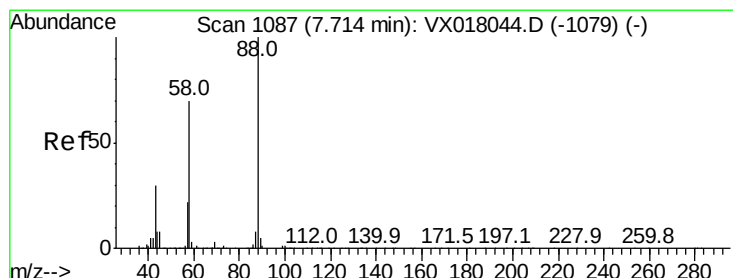
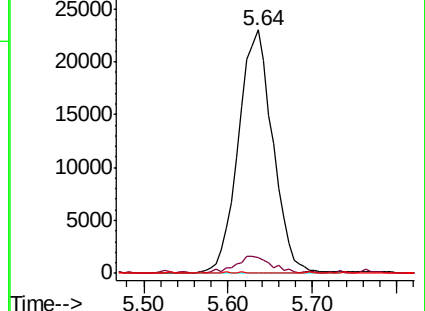
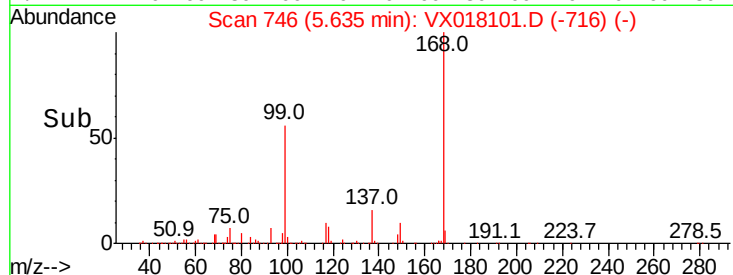
121 0.0 23.4 35.0#



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: 1.181 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

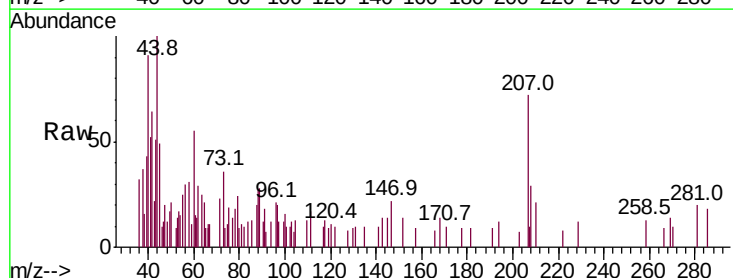
Tgt Ion: 88 Resp: 191

Ion Ratio Lower Upper

88 100

43 640.3 27.4 41.0#

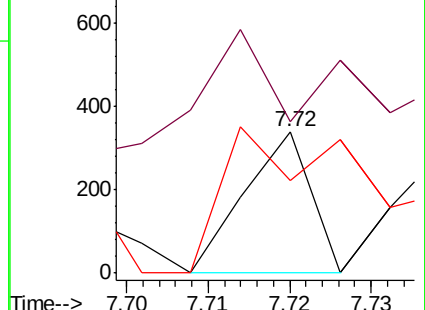
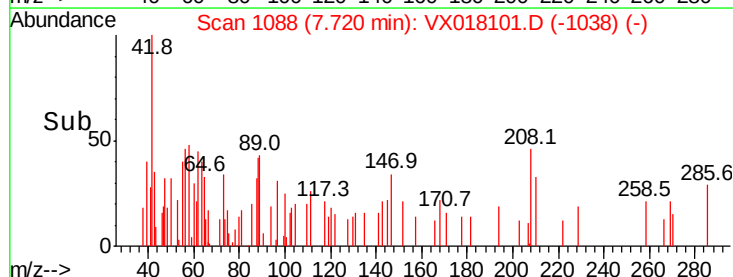
58 268.6 56.4 84.6#

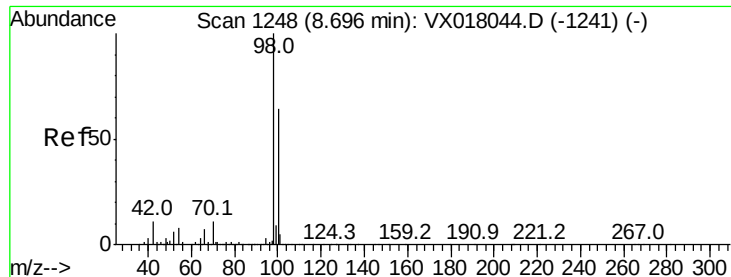


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.565 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

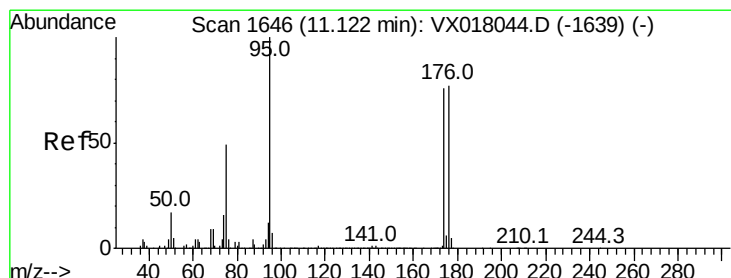
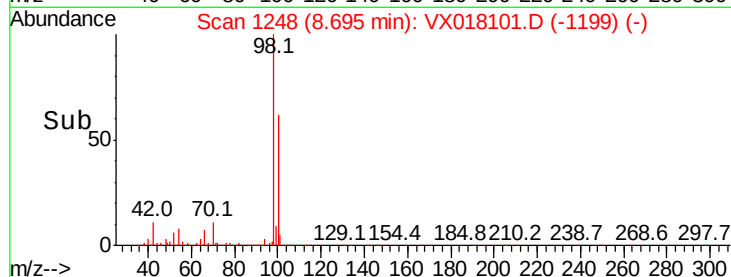
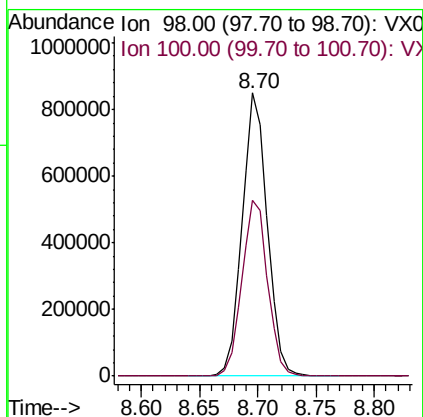
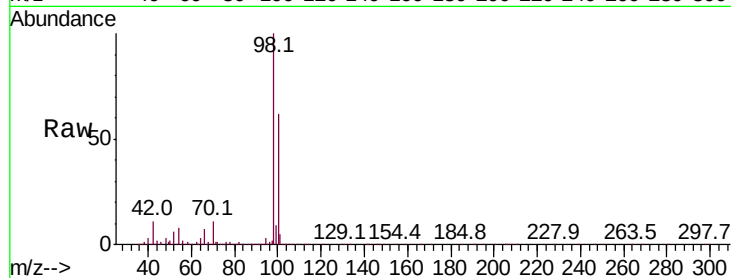
BP-VPB181-DUP-20200825

Tot Ion: 98 Resp: 1277155

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 46.396 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

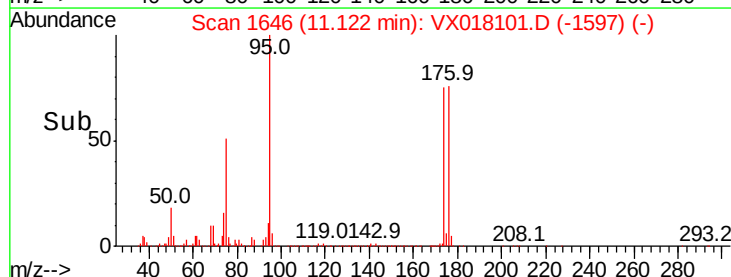
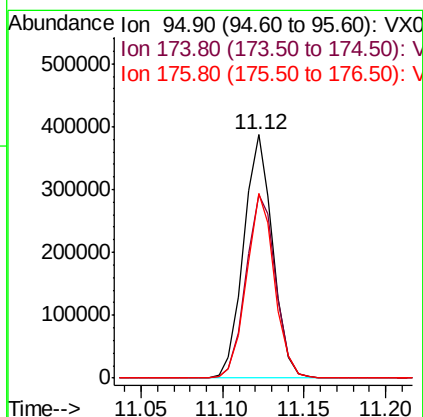
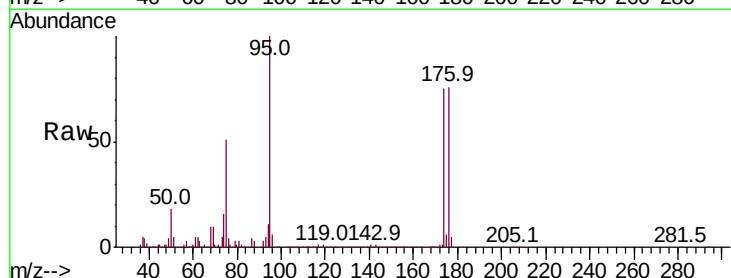
Tgt Ion: 95 Resp: 480044

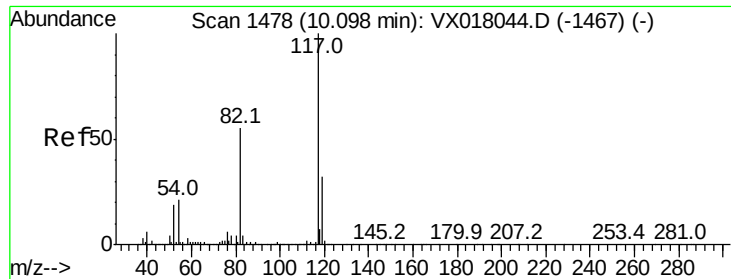
Ion Ratio Lower Upper

95 100

174 77.6 0.0 160.2

176 73.5 0.0 155.8

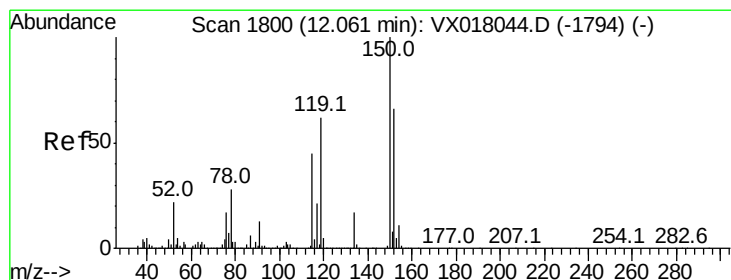
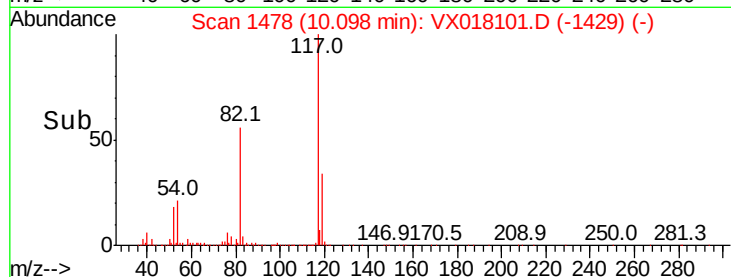
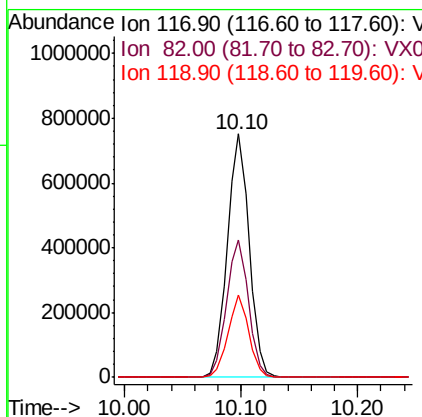
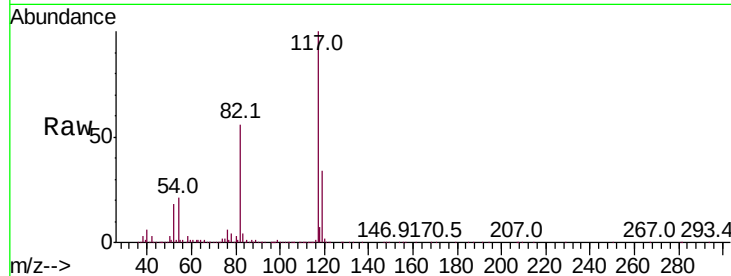




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018101.D
Acq: 27 Aug 2020 18:59

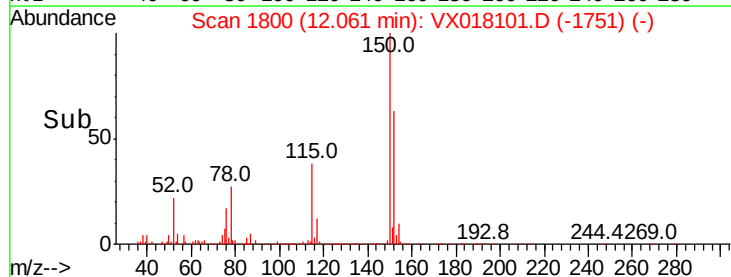
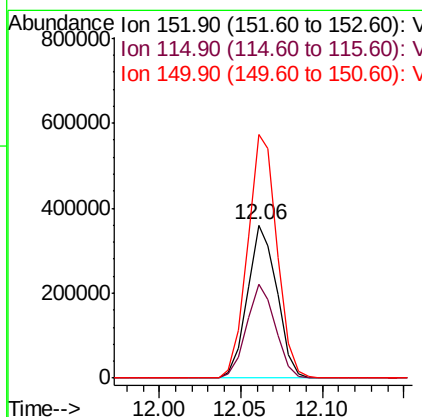
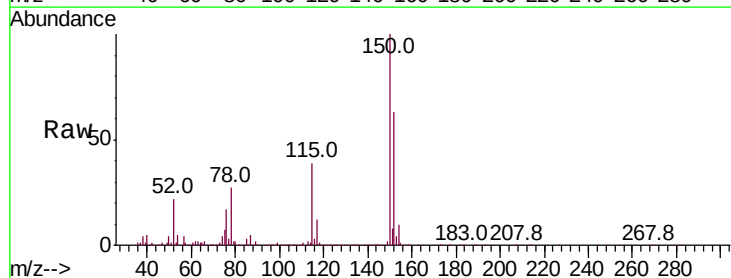
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-DUP-20200825

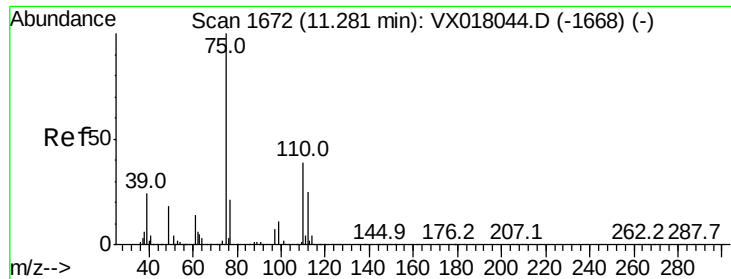
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.2	66.2
119	33.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018101.D
Acq: 27 Aug 2020 18:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.5	124.5
150	159.6	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.570 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

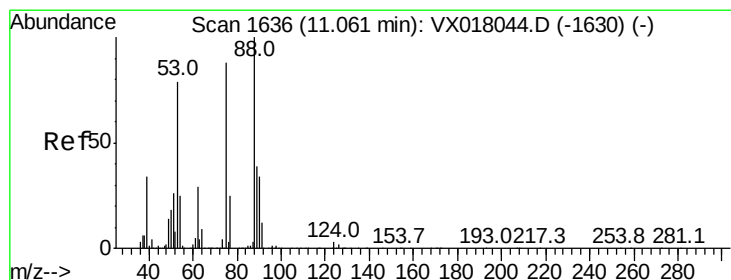
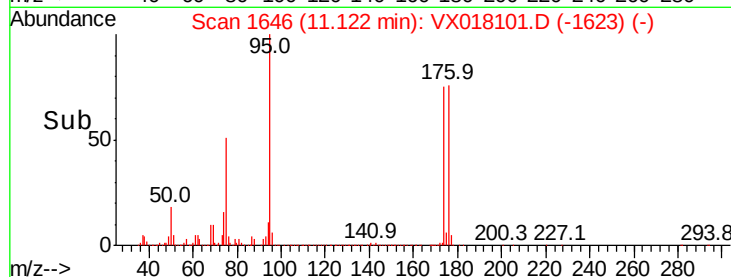
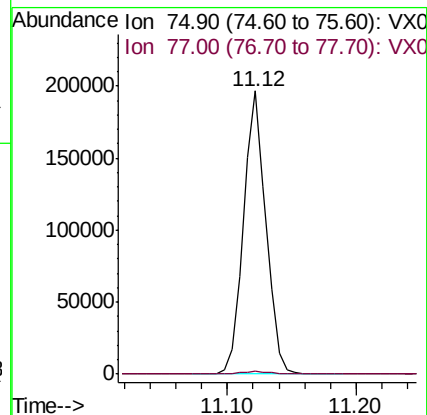
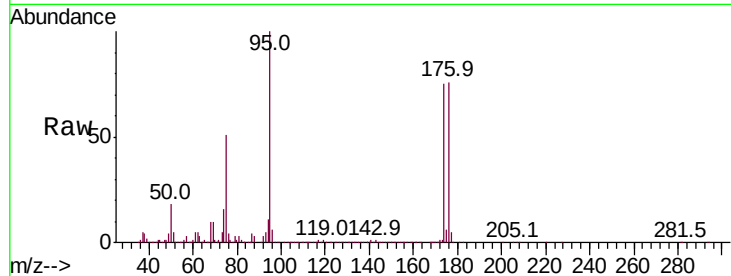
BP-VPB181-DUP-20200825

Tot Ion: 75 Resp: 236497

Ion Ratio Lower Upper

75 100

77 1.0 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.658 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018101.D

Acq: 27 Aug 2020 18:59

Tgt Ion: 75 Resp: 236497

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#

