

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082720\
 Data File : VX018098.D
 Acq On : 27 Aug 2020 17:50
 Operator : JC/SP
 Sample : L3820-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-TB-20200824

Quant Time: Aug 28 03:04:32 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	597647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	947599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	897739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	421827	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	389951	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	5.47	113	319698	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.70	98	1165923	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.12	95	432278	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	

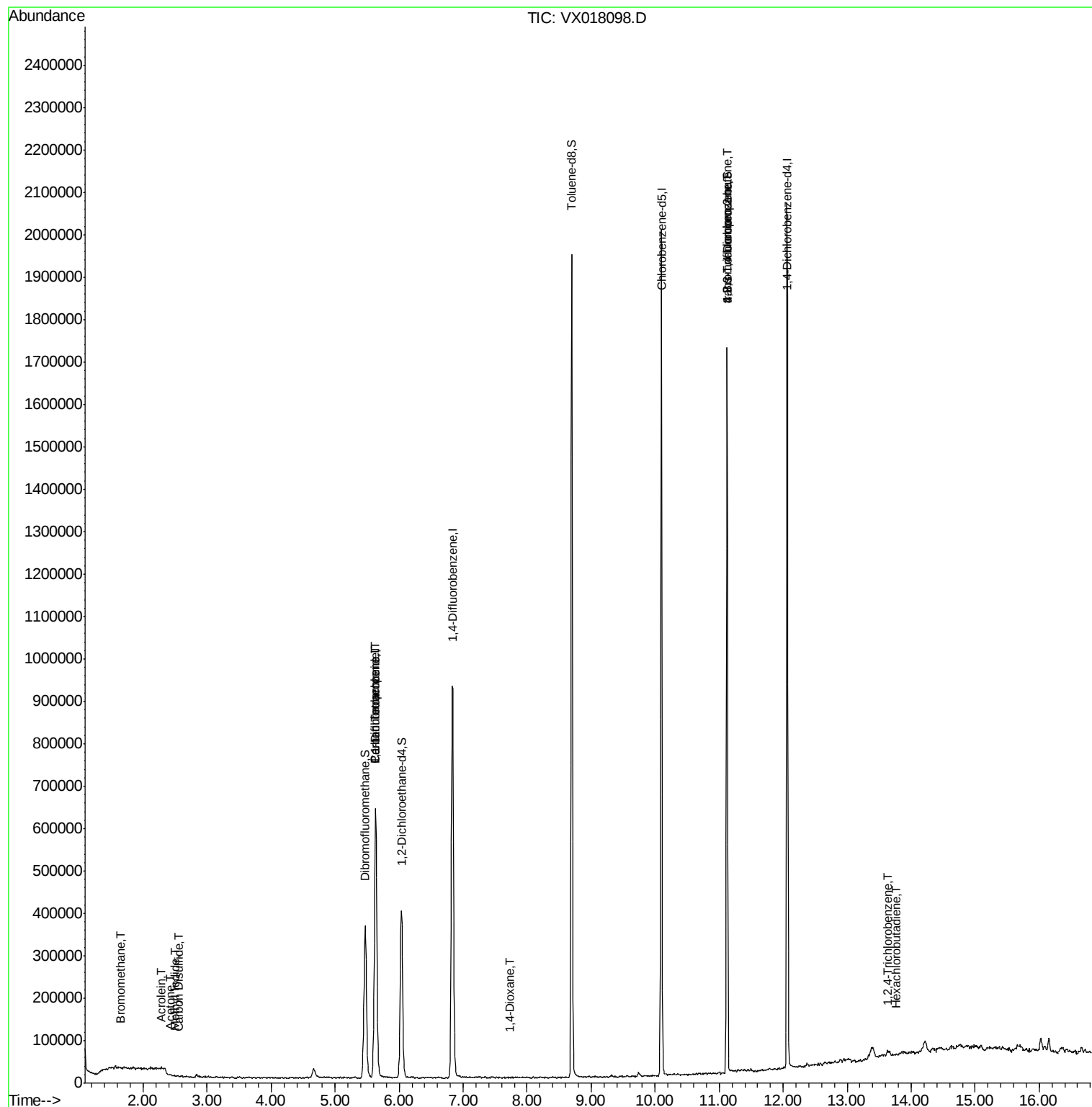
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1119	0.304	ug/l #	36
10) Methyl Iodide	2.50	142	1084	5.448	ug/l #	67
13) Acrolein	2.28	56	484	0.724	ug/l	88
16) Acetone	2.42	43	3576	1.106	ug/l #	50
17) Carbon Disulfide	2.56	76	3655	0.207	ug/l #	66
20) Methylene Chloride	2.84	84	3294	Below Cal	#	76
36) 1,1-Dichloropropene	5.63	75	44857	5.132	ug/l #	51
38) Carbon Tetrachloride	5.63	117	61372	6.231	ug/l #	18
49) 1,4-Dioxane	7.74	88	409	2.766	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	213306	22.732	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	213306	61.394	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	2518	0.297	ug/l	80
94) Hexachlorobutadiene	13.77	225	975	0.292	ug/l #	65

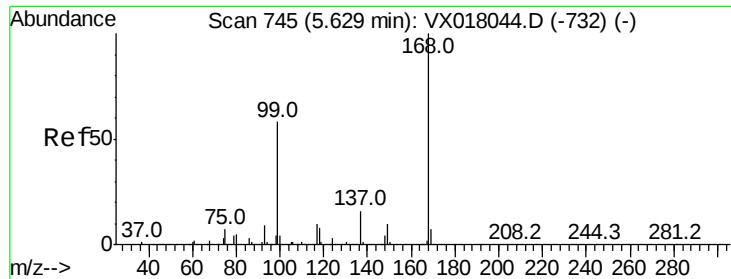
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

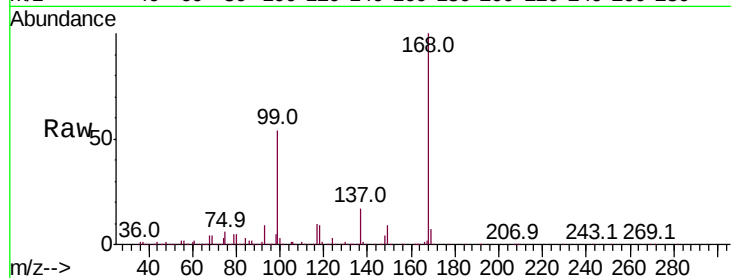
BP-VPB181-TB-20200824

Tot Ion:168 Resp: 597647

Ion Ratio Lower Upper

168 100

99 54.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

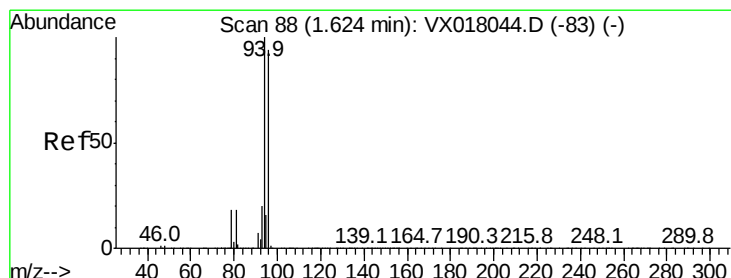
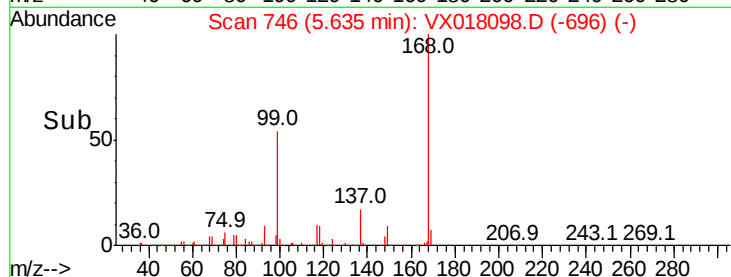
100000

50000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: 0.304 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018098.D

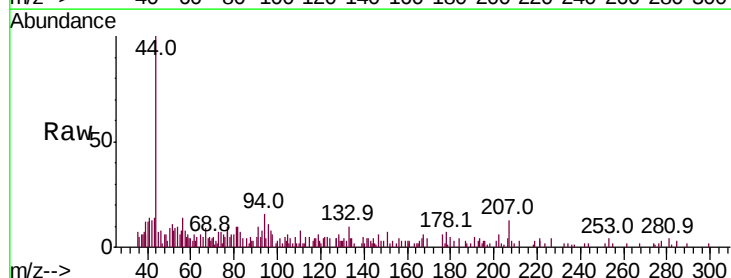
Acq: 27 Aug 2020 17:50

Tgt Ion: 94 Resp: 1119

Ion Ratio Lower Upper

94 100

96 32.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

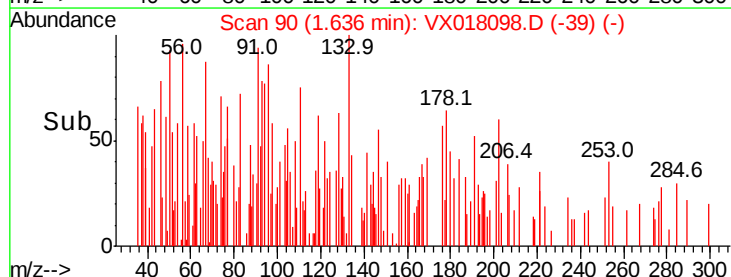
400

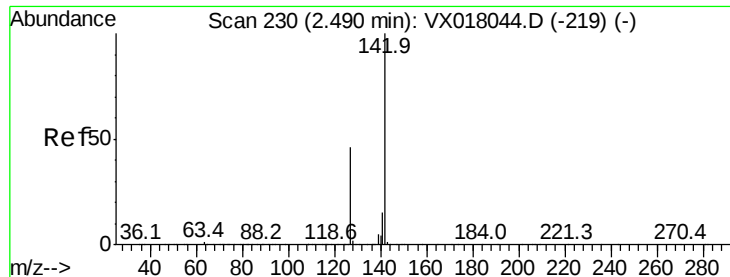
200

0

1.60 1.65

Time-->





#10

Methyl Iodide

Concen: 5.448 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200824

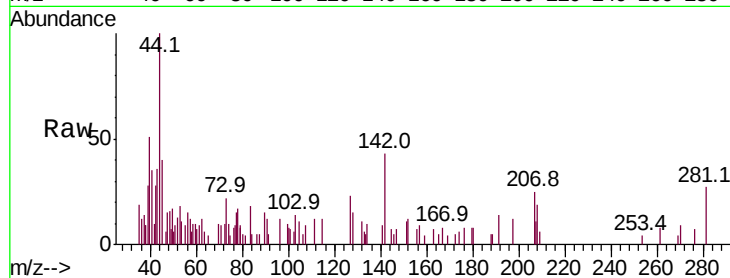
Tot Ion:142 Resp: 1084

Ion Ratio Lower Upper

142 100

127 73.8 37.0 55.6#

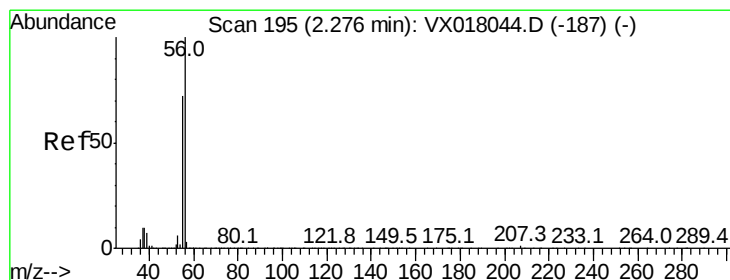
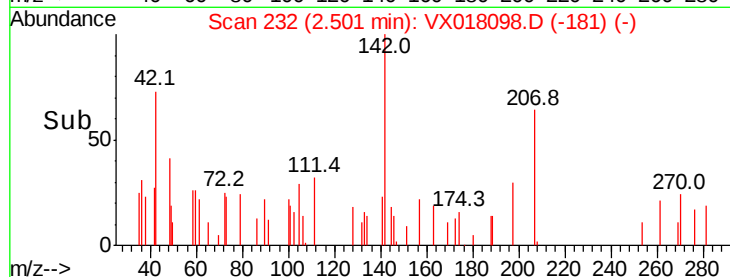
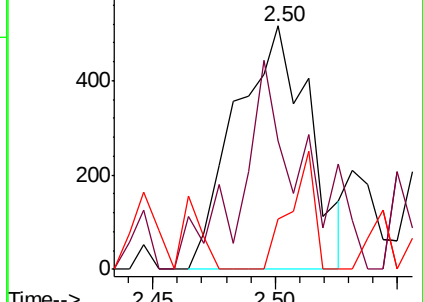
141 16.2 11.5 17.3



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



#13

Acrolein

Concen: 0.724 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018098.D

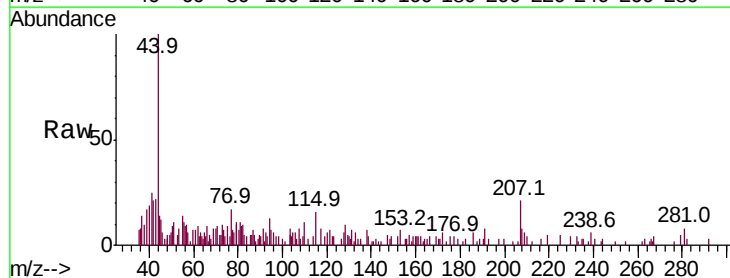
Acq: 27 Aug 2020 17:50

Tgt Ion: 56 Resp: 484

Ion Ratio Lower Upper

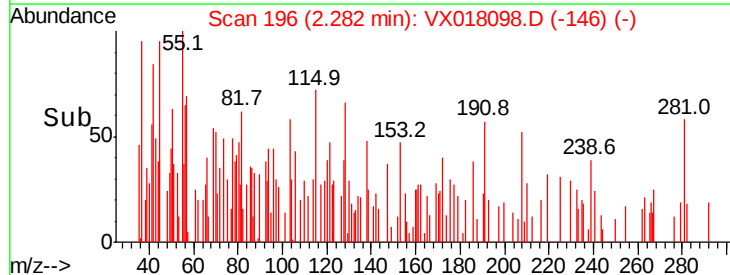
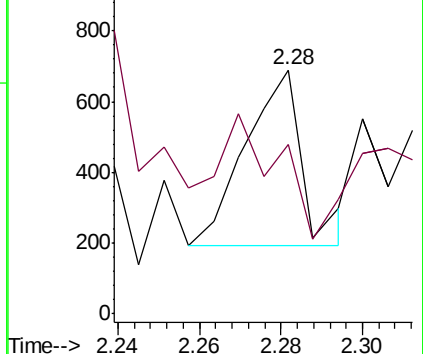
56 100

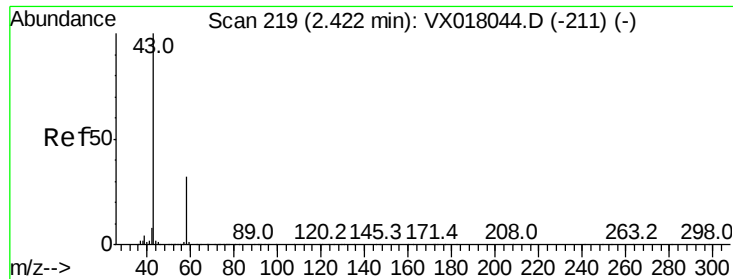
55 61.2 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.106 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

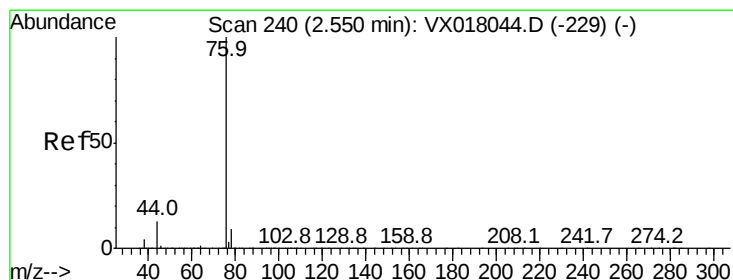
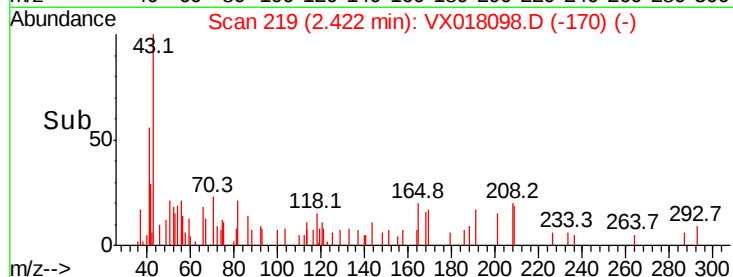
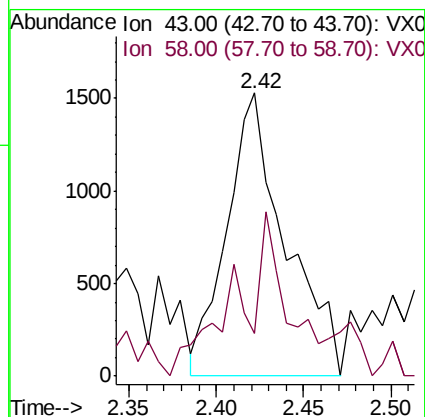
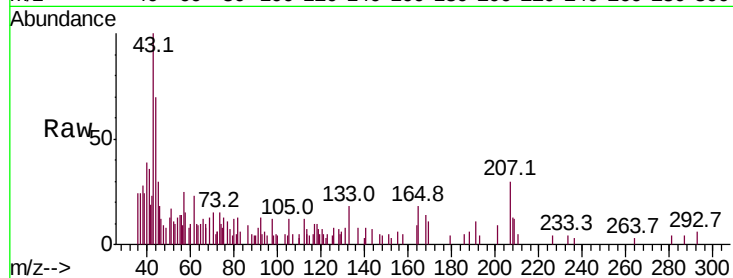
BP-VPB181-TB-20200824

Tot Ion: 43 Resp: 3576

Ion Ratio Lower Upper

43 100

58 4.0 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018098.D

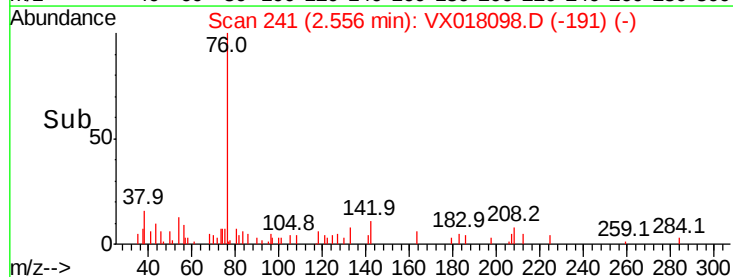
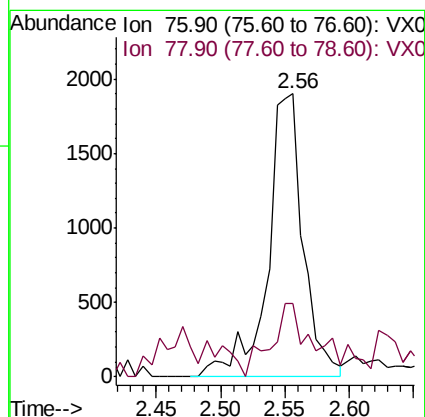
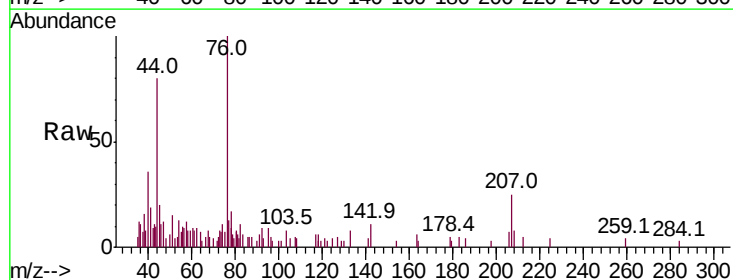
Acq: 27 Aug 2020 17:50

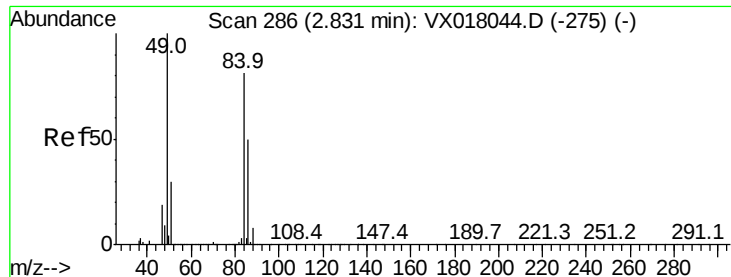
Tgt Ion: 76 Resp: 3655

Ion Ratio Lower Upper

76 100

78 21.7 7.4 11.0#

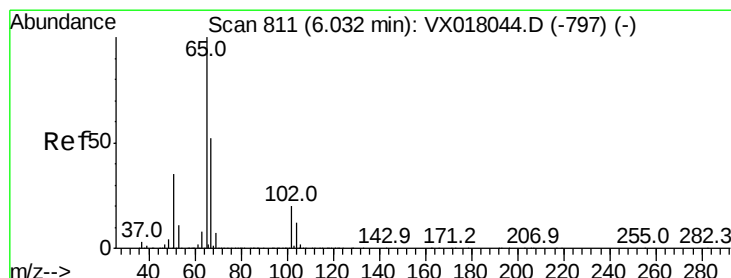
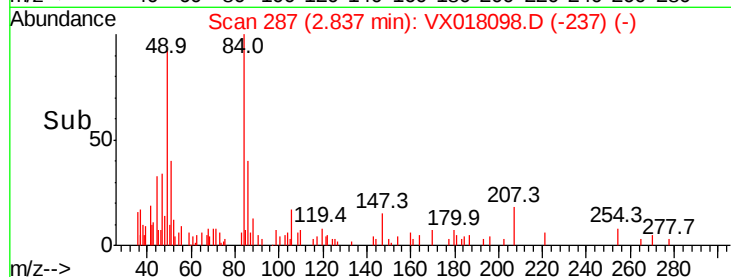
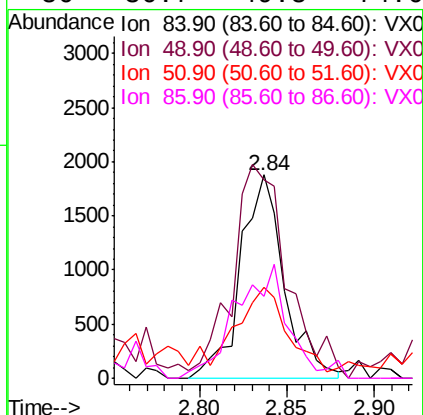
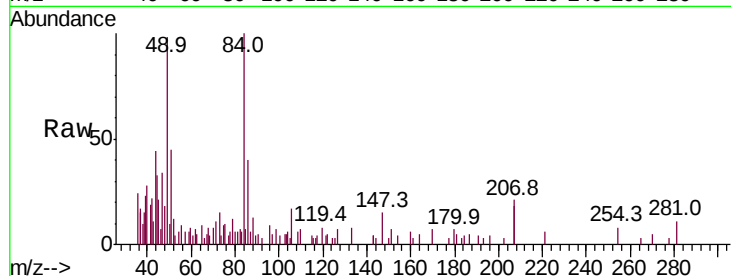




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018098.D
Acq: 27 Aug 2020 17:50

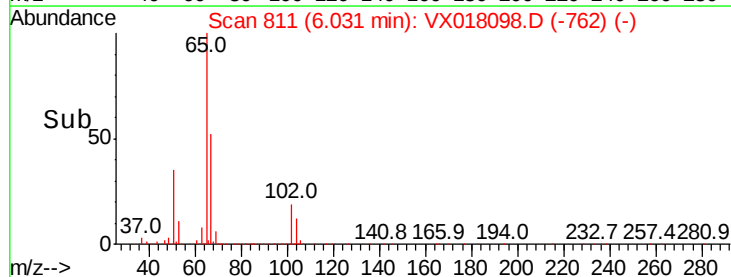
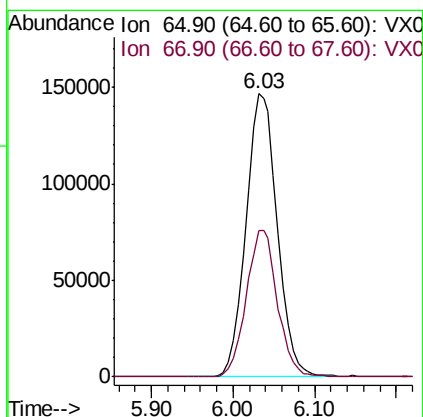
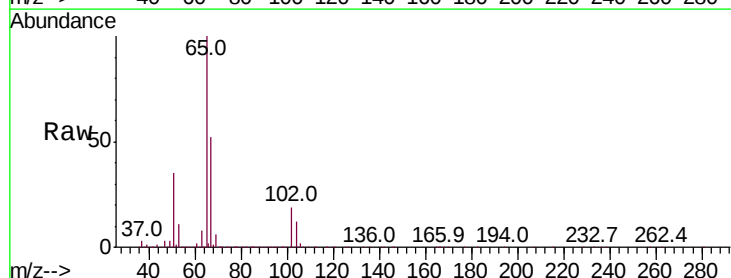
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-TB-20200824

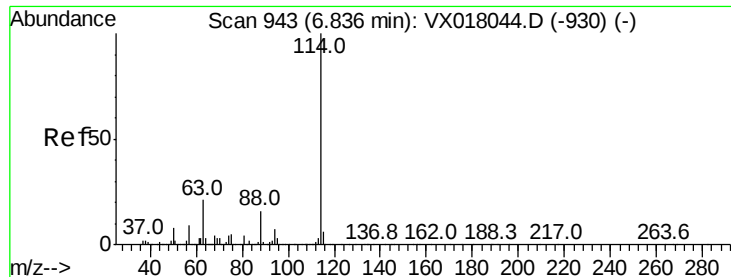
Tot Ion: 84 Resp: 3294
Ion Ratio Lower Upper
84 100
49 93.9 98.6 148.0#
51 39.8 29.6 44.4
86 36.7 49.8 74.6#



#33
1,2-Dichloroethane-d4
Concen: 47.000 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018098.D
Acq: 27 Aug 2020 17:50

Tgt Ion: 65 Resp: 389951
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.8

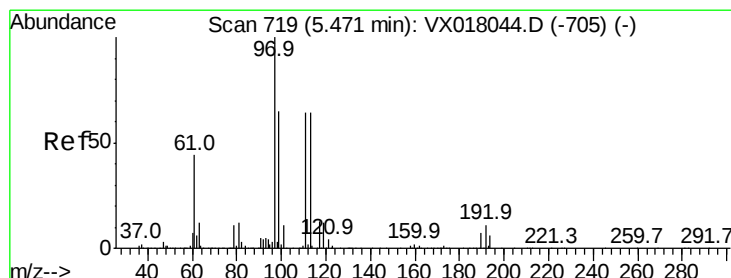
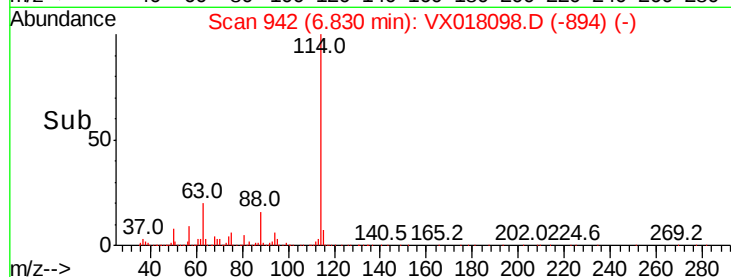
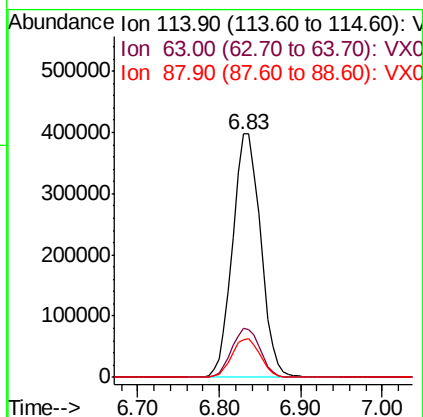
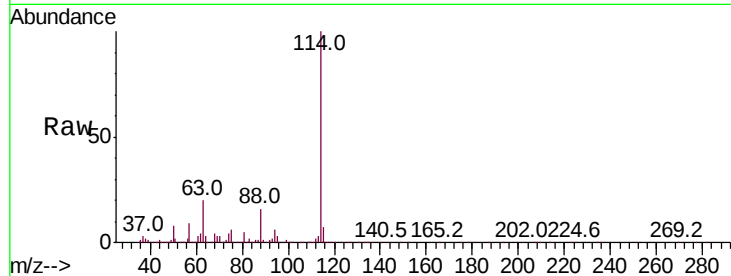




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: VX018098.D
Acq: 27 Aug 2020 17:50

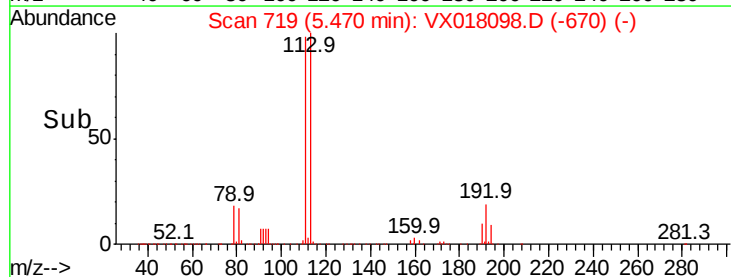
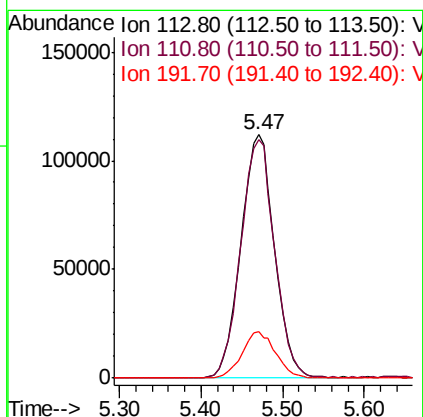
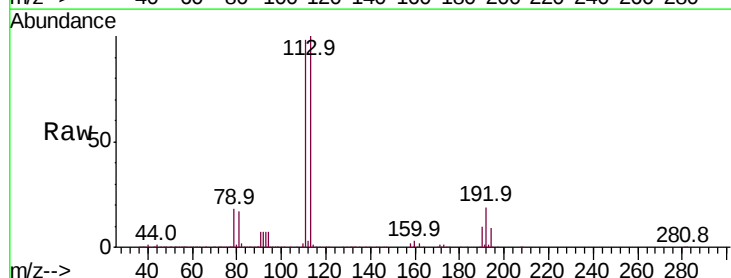
Instrument :
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ClientSampleId :
BP-VPB181-TB-20200824

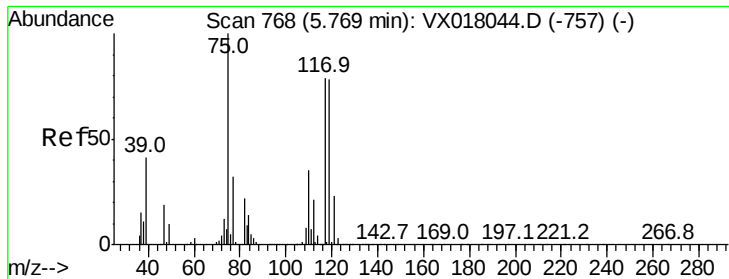
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.6
88	15.5	0.0	31.8



#35
Dibromofluoromethane
Concen: 49.538 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX018098.D
Acq: 27 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.6	122.4
192	19.1	15.8	23.8





#36

1,1-Dichloropropene

Concen: 5.132 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200824

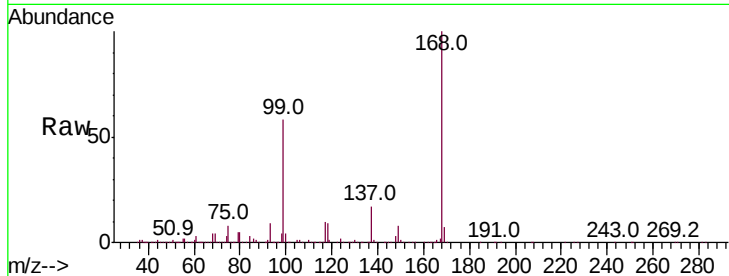
Tot Ion: 75 Resp: 44857

Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

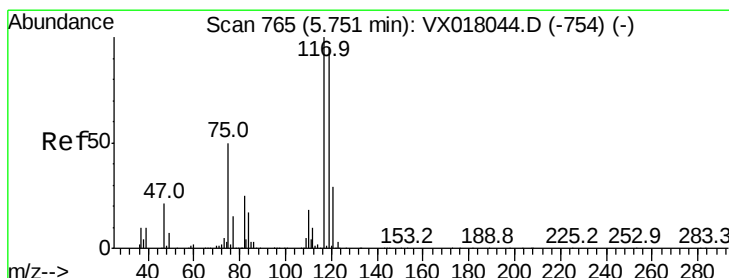
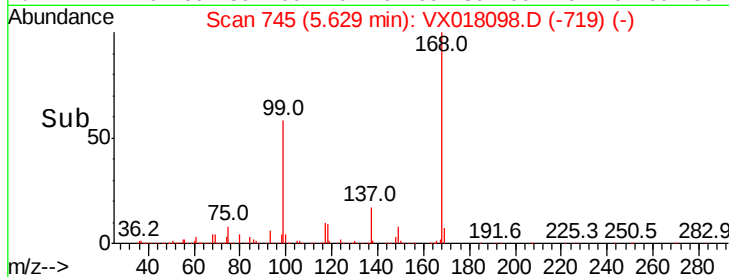
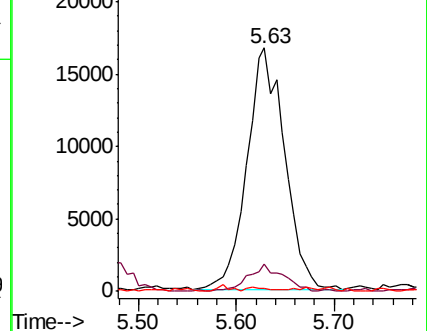
77 0.8 24.4 36.6#



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: 6.231 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

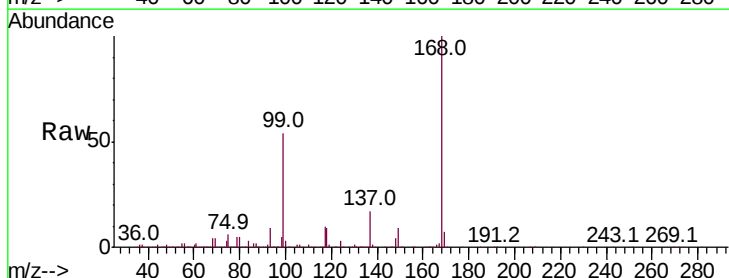
Tgt Ion: 117 Resp: 61372

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

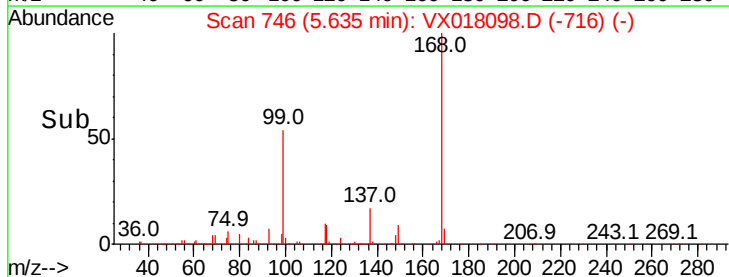
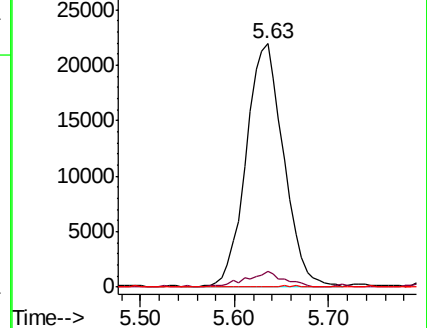
121 0.3 23.4 35.0#

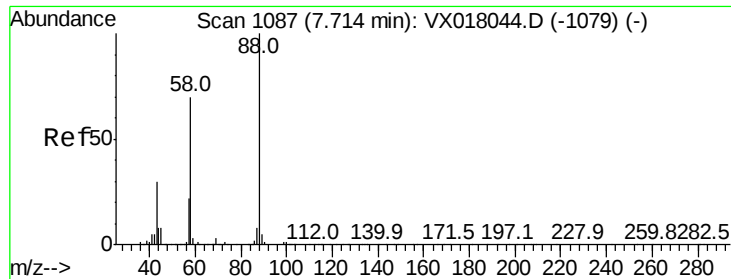


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.766 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

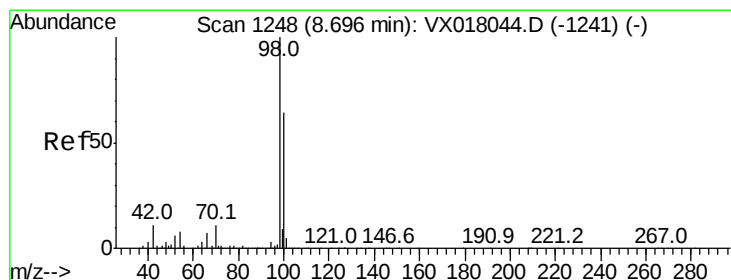
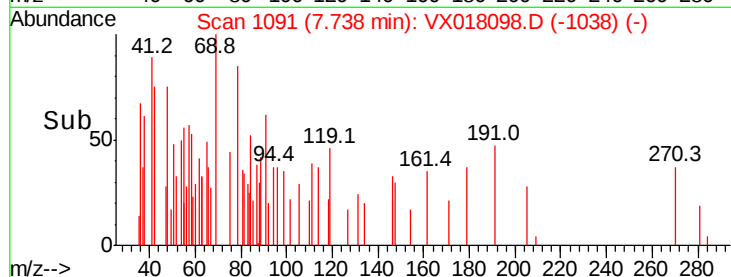
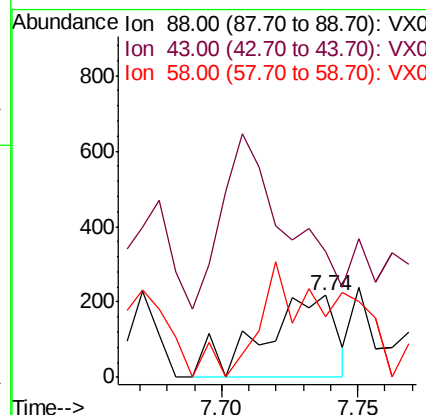
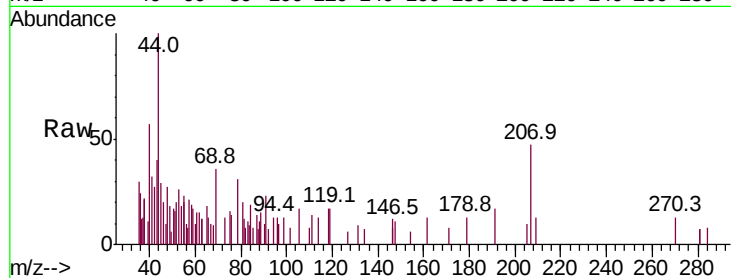
Lab File: VX018098.D

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Tot Ion: 88 Resp: 409

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



#50

Toluene-d8

Concen: 48.506 ug/l

RT: 8.70 min Scan# 1248

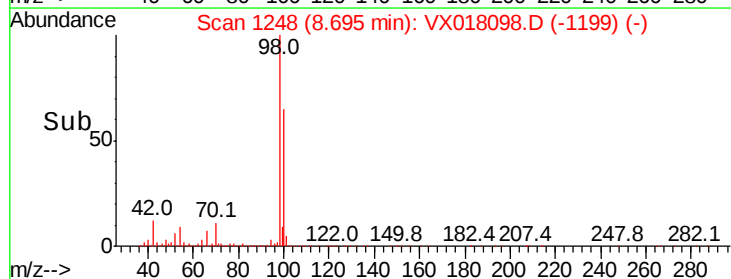
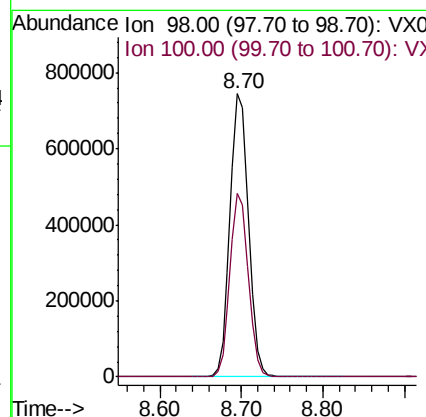
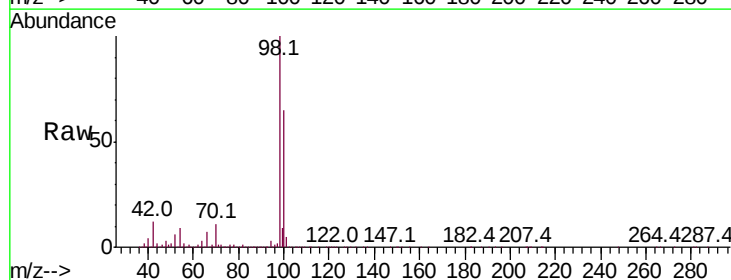
Delta R.T. -0.00 min

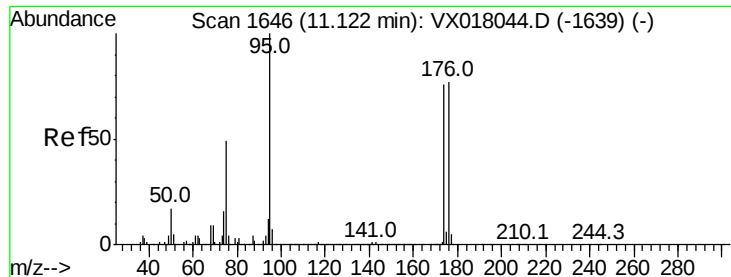
Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Tgt Ion: 98 Resp: 1165923

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 45.710 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200824

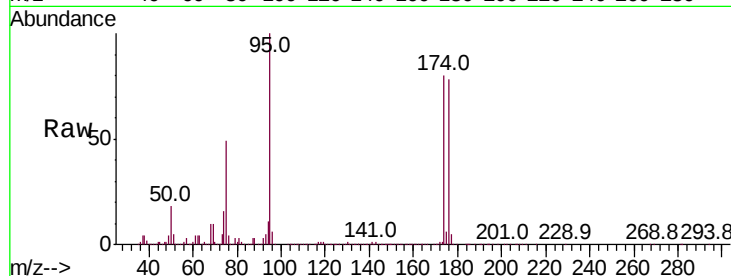
Tot Ion: 95 Resp: 432278

Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.2

176 75.6 0.0 155.8

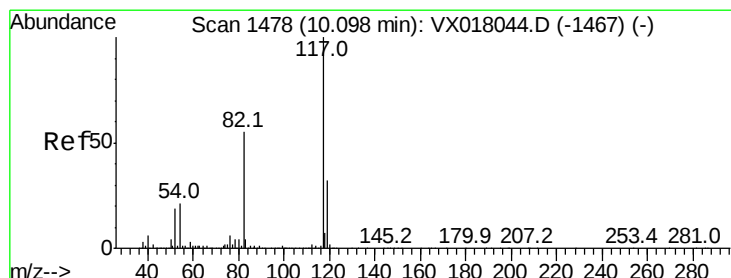
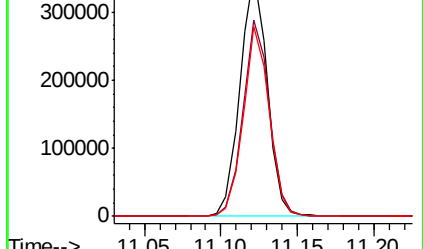
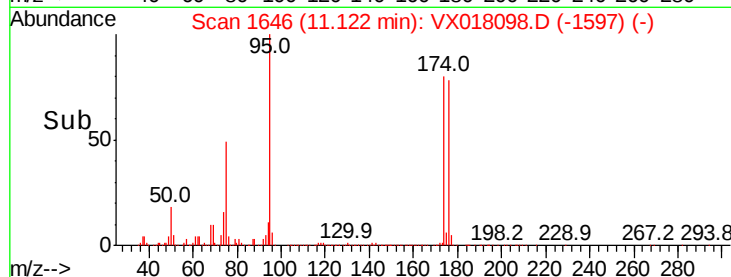


Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

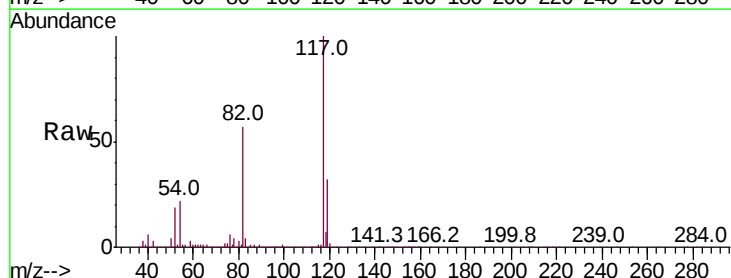
Tgt Ion: 117 Resp: 897739

Ion Ratio Lower Upper

117 100

82 56.8 44.2 66.2

119 32.3 25.7 38.5

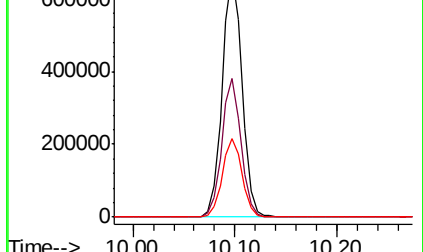
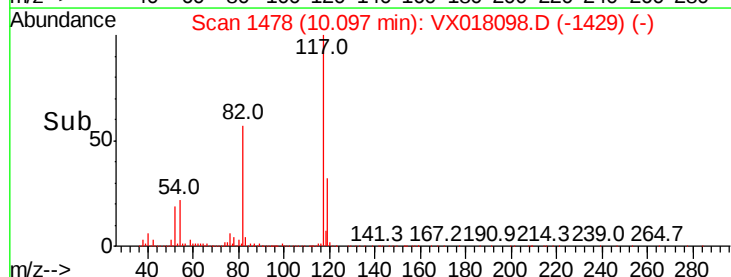


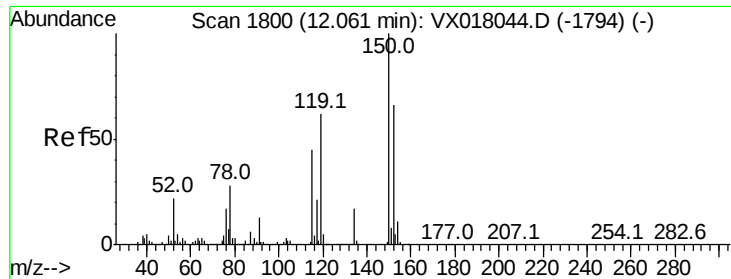
Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200824

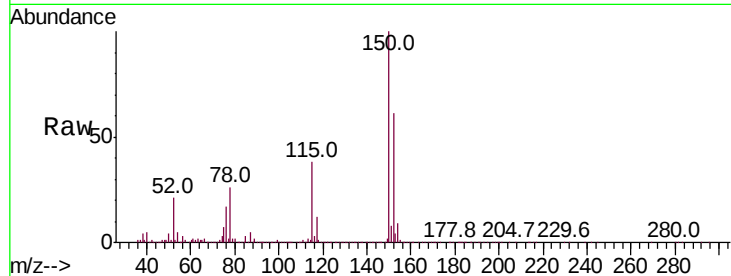
Tot Ion:152 Resp: 421827

Ion Ratio Lower Upper

152 100

115 60.3 41.5 124.5

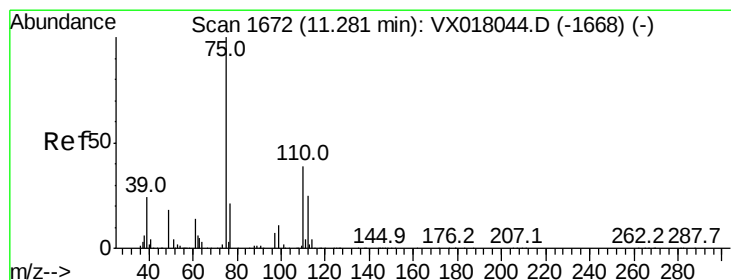
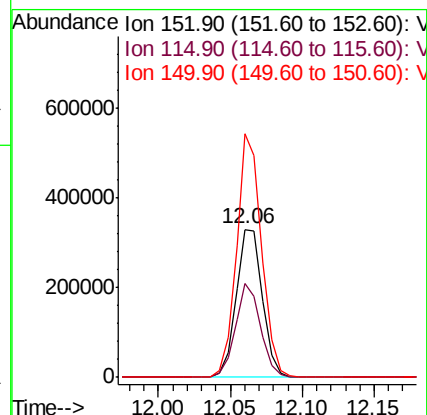
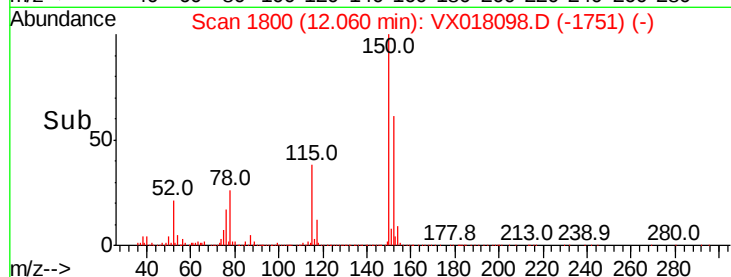
150 156.1 0.0 343.8



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: 22.732 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018098.D

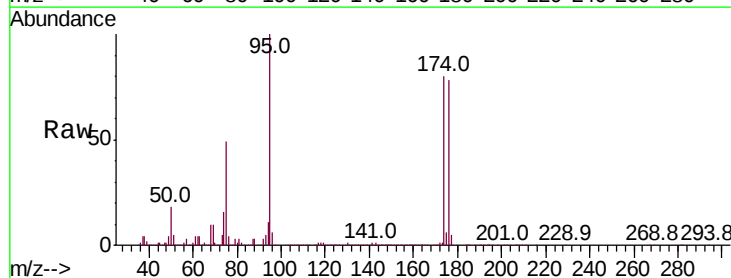
Acq: 27 Aug 2020 17:50

Tgt Ion: 75 Resp: 213306

Ion Ratio Lower Upper

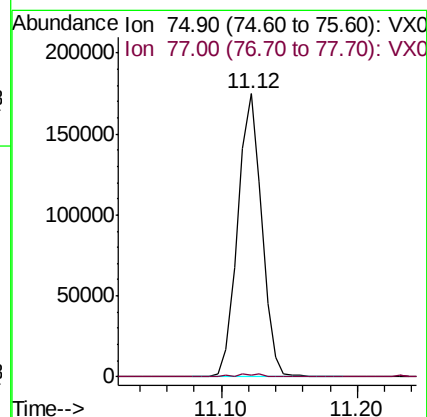
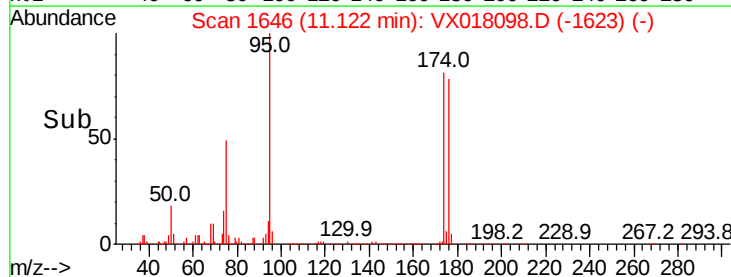
75 100

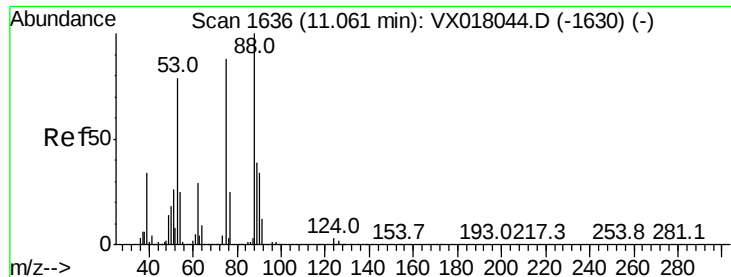
77 1.1 20.8 62.2#



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: 61.394 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200824

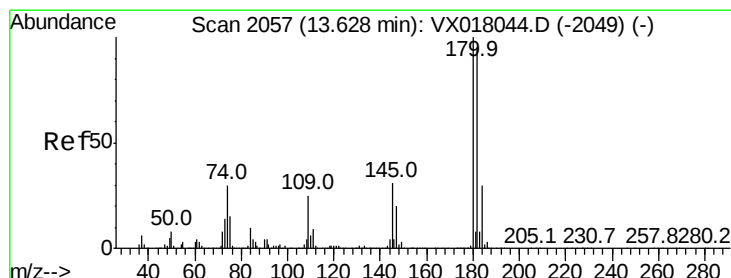
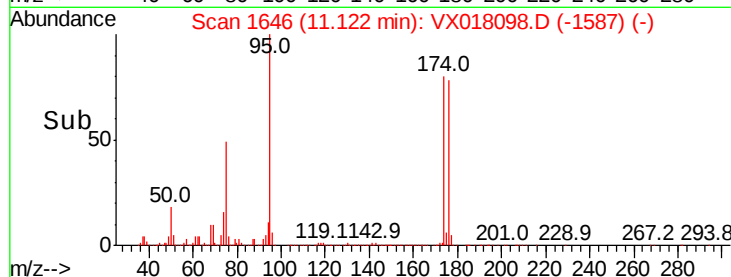
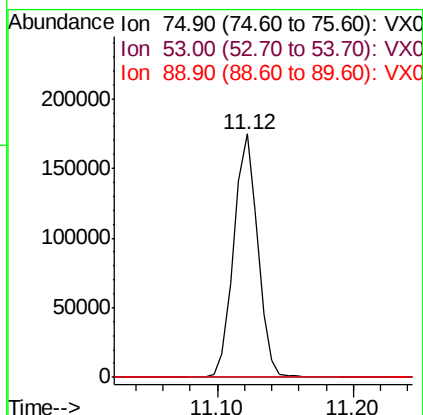
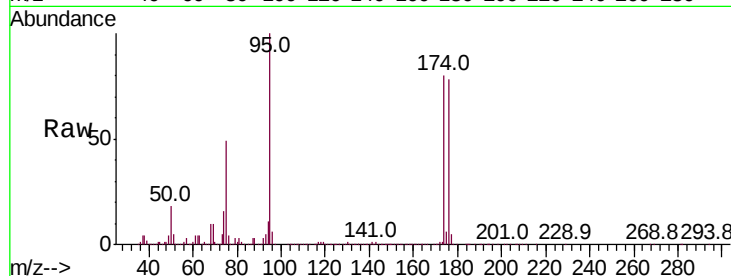
Tot Ion: 75 Resp: 213306

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.1 36.6 54.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.297 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

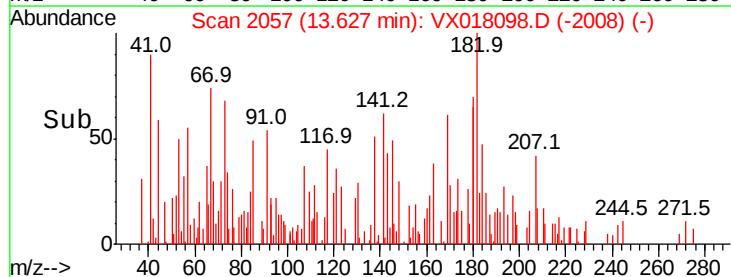
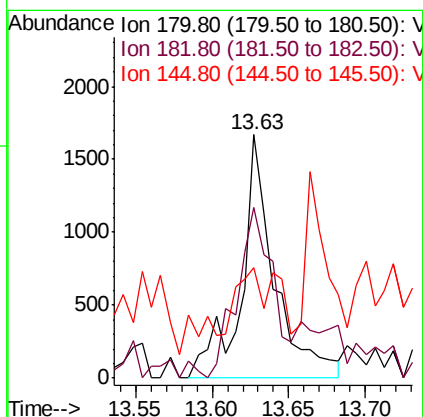
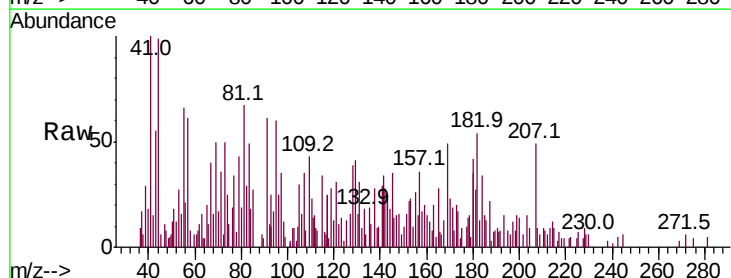
Tgt Ion: 180 Resp: 2518

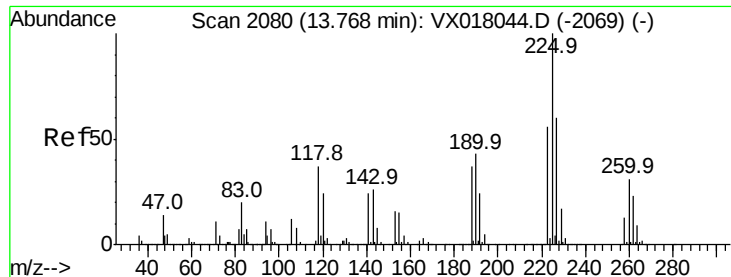
Ion Ratio Lower Upper

180 100

182 75.8 47.5 142.6

145 20.1 15.7 47.1





#94

Hexachlorobutadiene

Concen: 0.292 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX018098.D

Acq: 27 Aug 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200824

Tot Ion:225 Resp: 975

Ion Ratio Lower Upper

225 100

223 57.6 30.7 92.1

227 114.7 32.6 97.8#

