

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018141.D
 Acq On : 31 Aug 2020 12:51
 Operator : JC/SP
 Sample : L3846-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-TB-20200827

Quant Time: Sep 01 05:29:28 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	593473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	967454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	887397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	435930	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	397954	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	5.46	113	318945	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	8.70	98	1162805	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.12	95	425334	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	

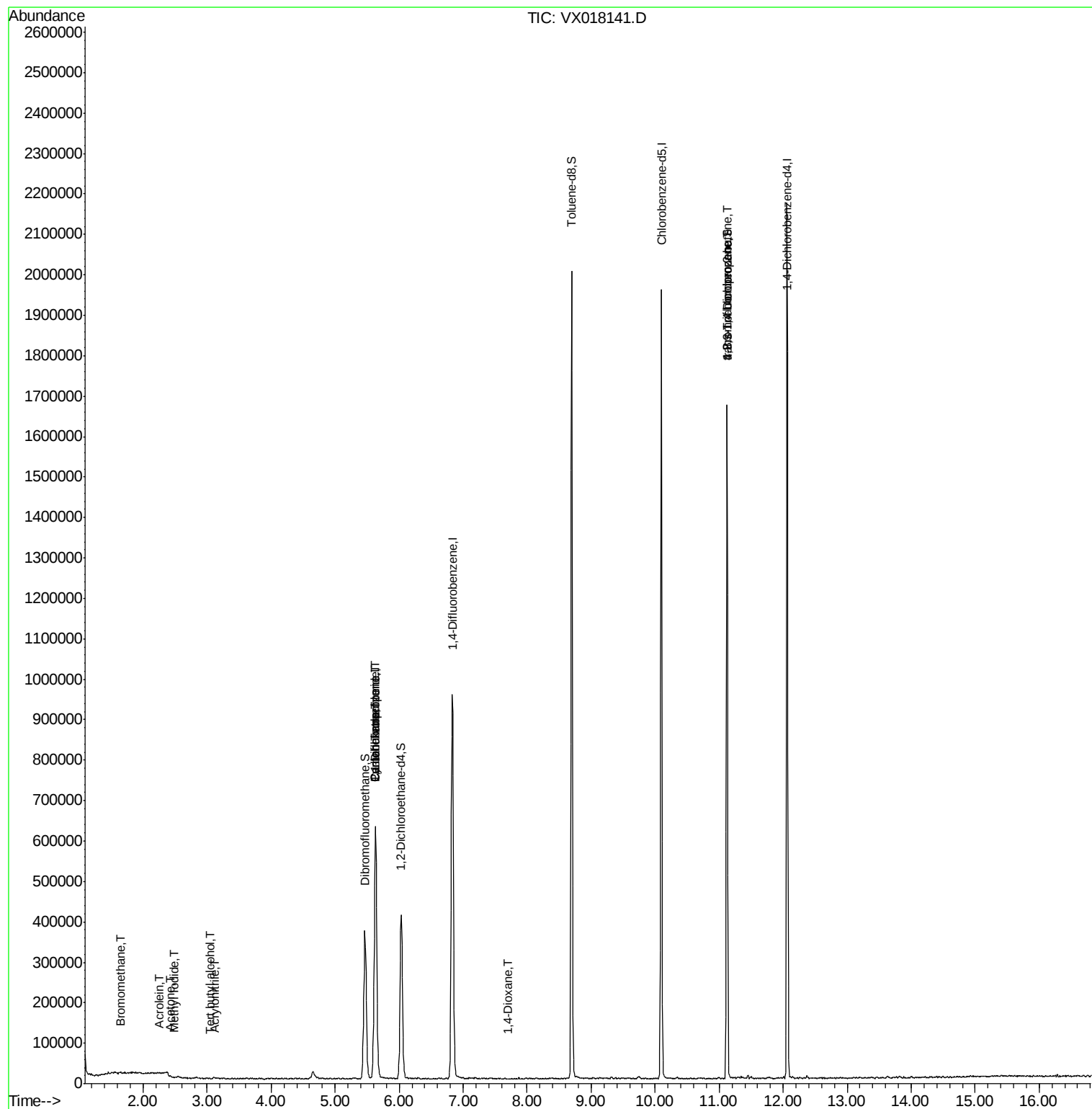
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1198	0.328	ug/l #	76
10) Methyl Iodide	2.50	142	1435	5.501	ug/l #	77
11) Tert butyl alcohol	3.04	59	1012	0.632	ug/l #	69
13) Acrolein	2.25	56	314	0.473	ug/l #	1
15) Acrylonitrile	3.12	53	1062	0.292	ug/l #	41
16) Acetone	2.42	43	2549	0.794	ug/l #	84
20) Methylene Chloride	2.84	84	2095	Below Cal	#	68
31) Cyclohexane	5.64	56	12468	1.264	ug/l #	19
36) 1,1-Dichloropropene	5.63	75	44950	5.037	ug/l #	52
38) Carbon Tetrachloride	5.63	117	60368	6.003	ug/l #	16
49) 1,4-Dioxane	7.70	88	88	0.583	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	211613	21.822	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	211613	58.936	ug/l #	12

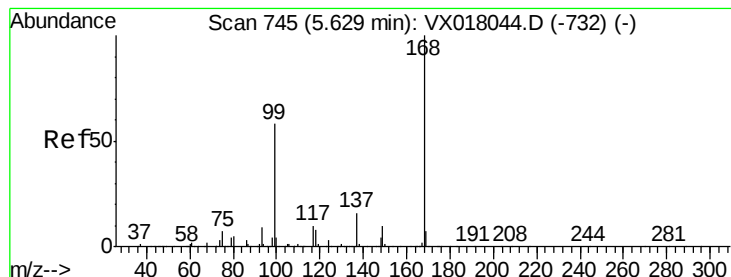
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX018141.D

Acq: 31 Aug 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

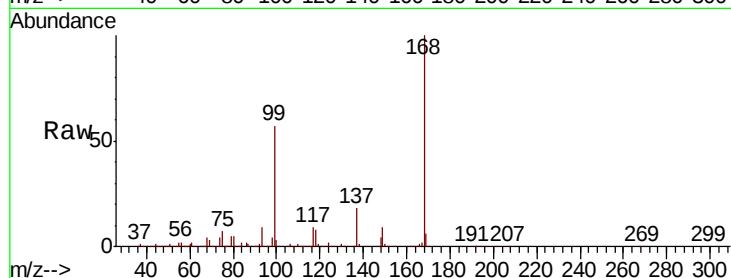
BP-VPB181-TB-20200827

Tot Ion:168 Resp: 593473

Ion Ratio Lower Upper

168 100

99 56.6 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

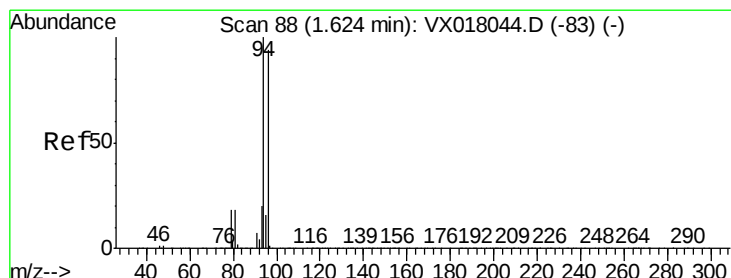
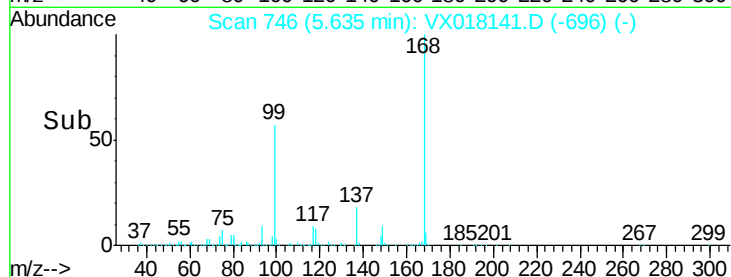
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.328 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018141.D

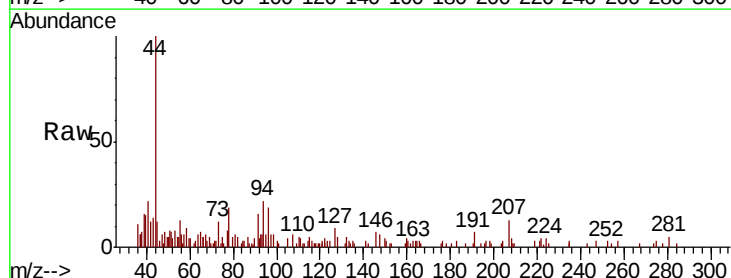
Acq: 31 Aug 2020 12:51

Tgt Ion: 94 Resp: 1198

Ion Ratio Lower Upper

94 100

96 70.4 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

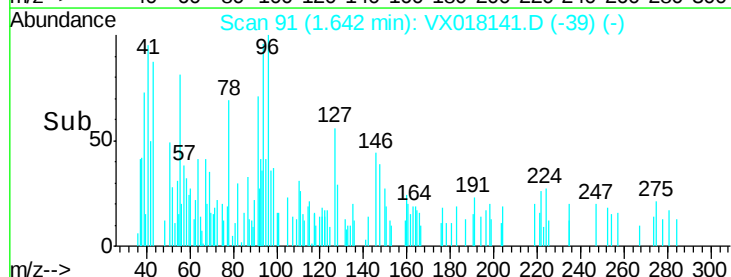
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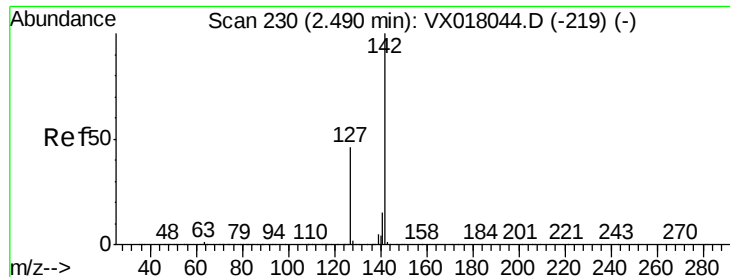
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0

Time-->

1.60 1.65 1.70

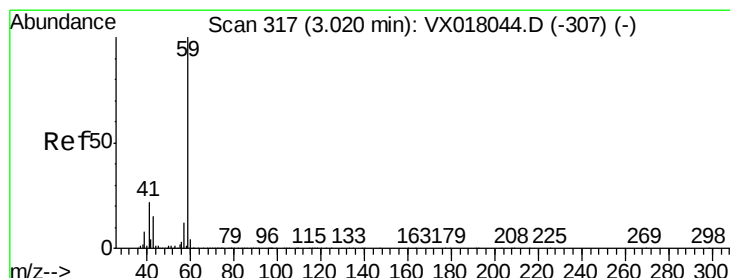
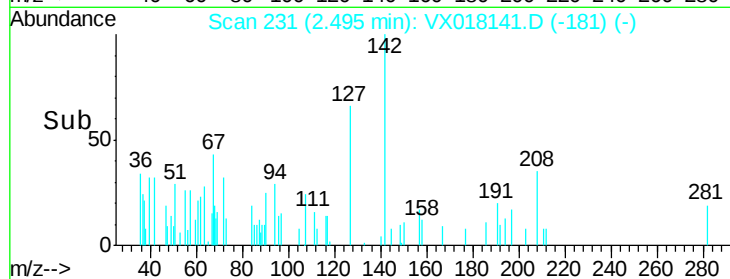
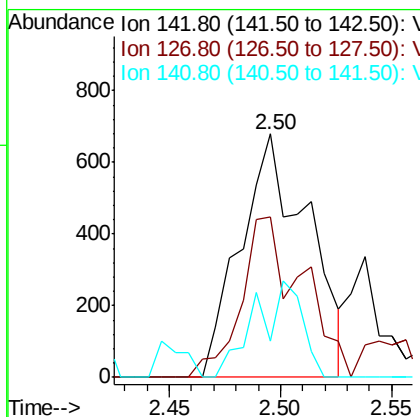
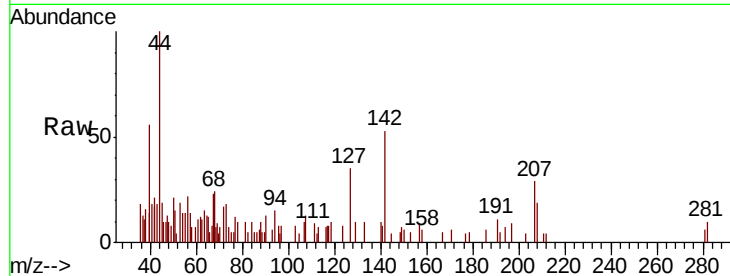




#10
Methvl Iodide
Concen: 5.501 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

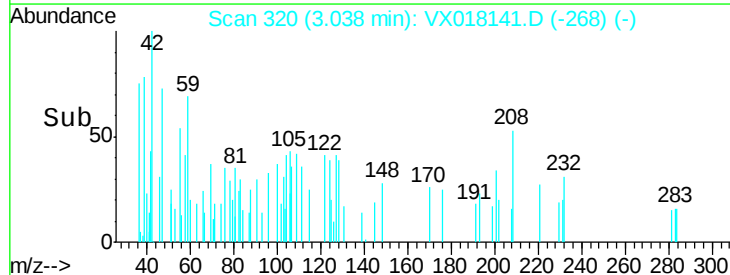
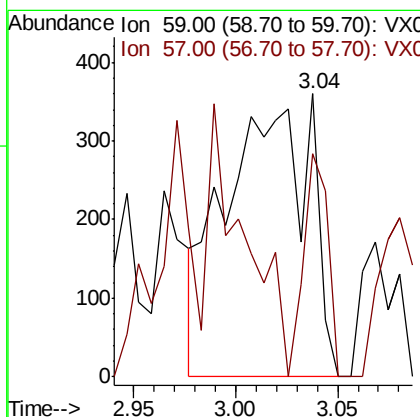
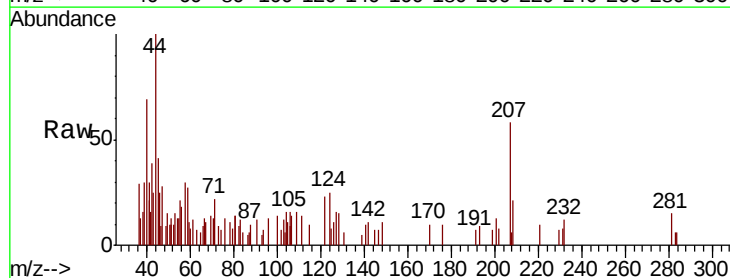
Instrument :
MSVOA_X
ClientSampleId :
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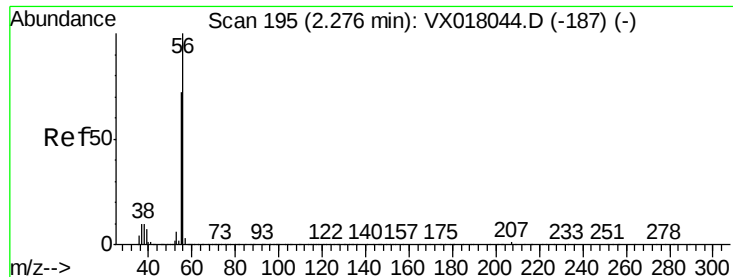
Tot Ion:142 Resp: 1435
Ion Ratio Lower Upper
142 100
127 59.5 37.0 55.6#
141 27.2 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.632 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 23.0 8.9 13.3#

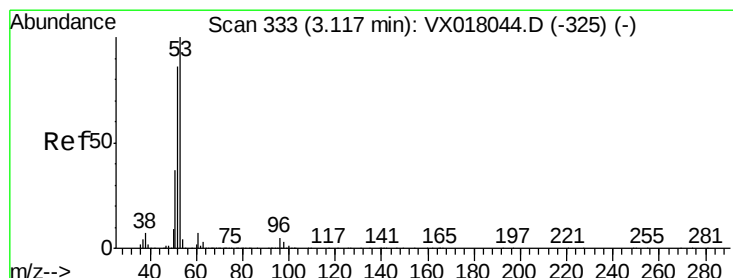
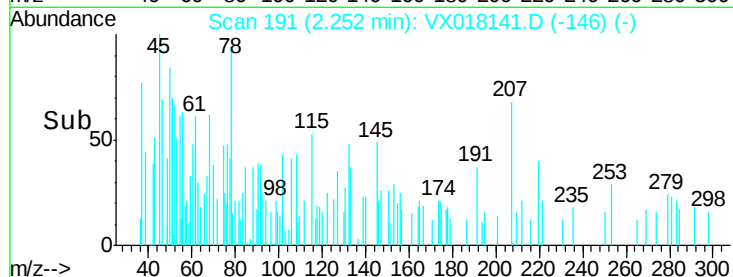
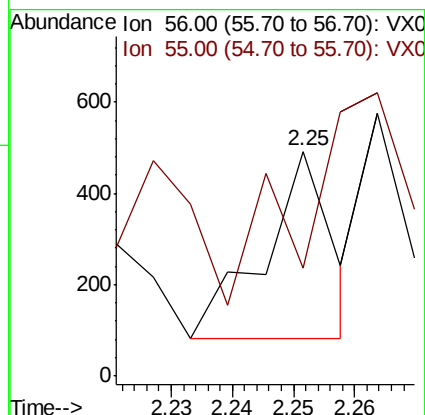
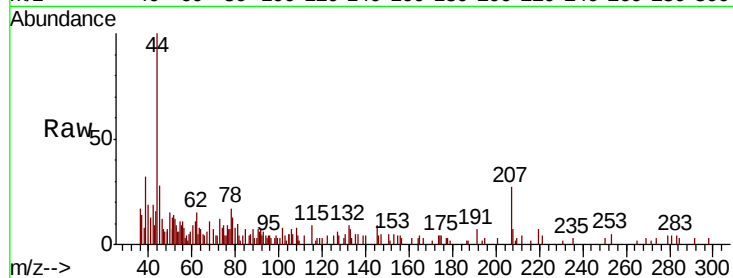




#13
Acrolein
Concen: 0.473 ug/l
RT: 2.25 min Scan# 191
Delta R.T. -0.02 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

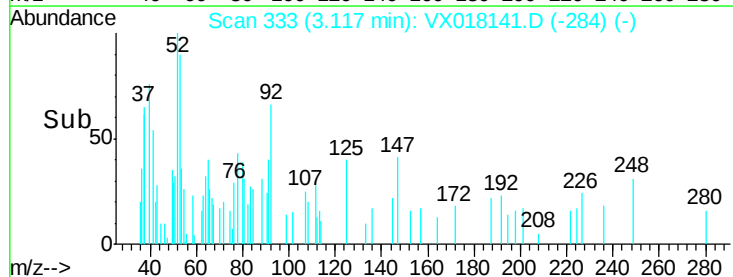
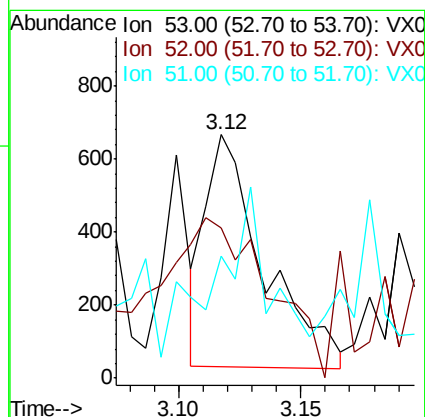
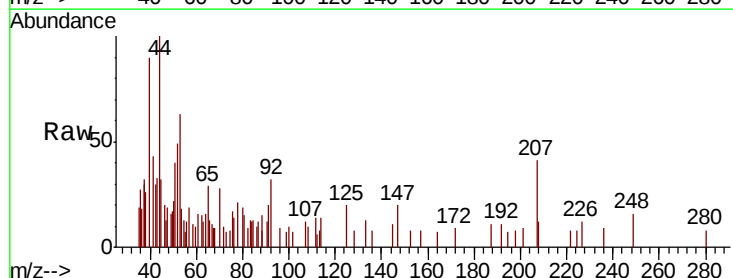
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-TB-20200827

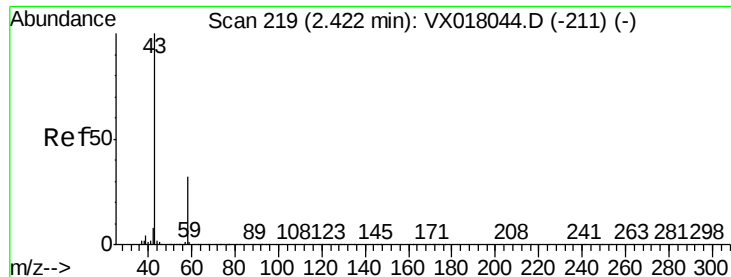
Tot Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
55 190.8 57.0 85.6#



#15
Acrylonitrile
Concen: 0.292 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

Tgt Ion: 53 Resp: 1062
Ion Ratio Lower Upper
53 100
52 136.8 66.9 100.3#
51 70.2 28.7 43.1#

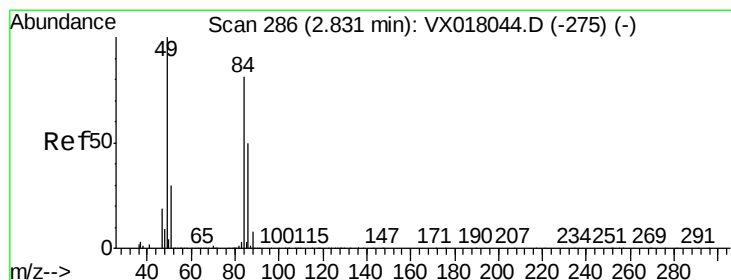
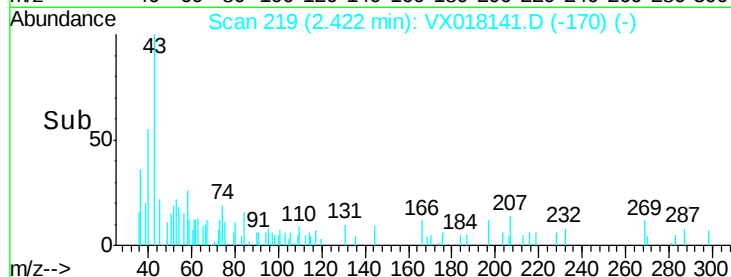
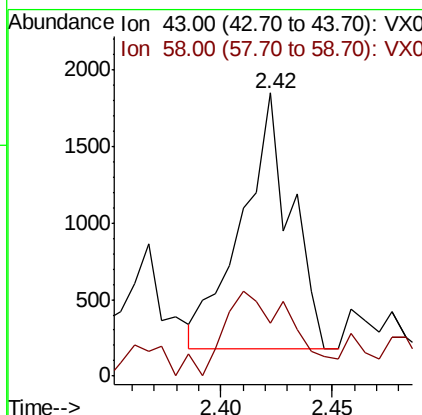
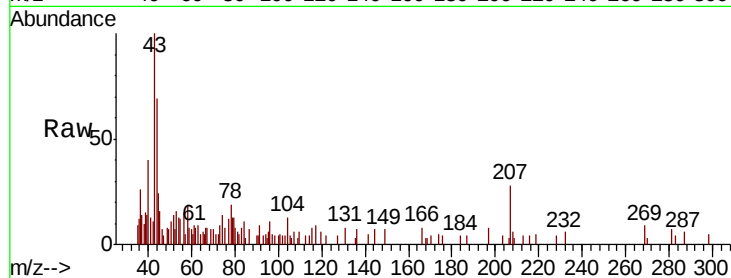




#16
Acetone
Concen: 0.794 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

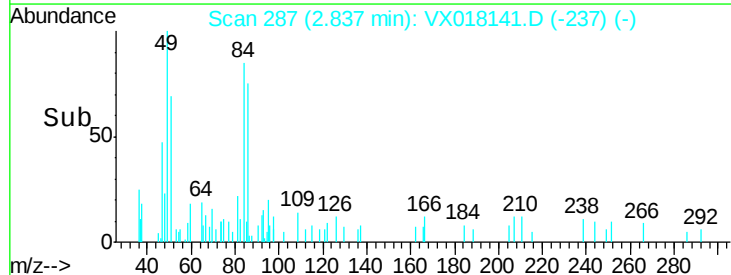
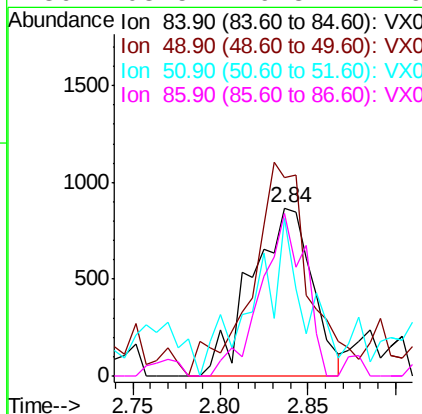
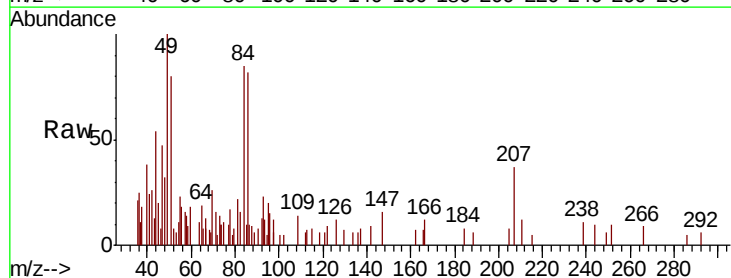
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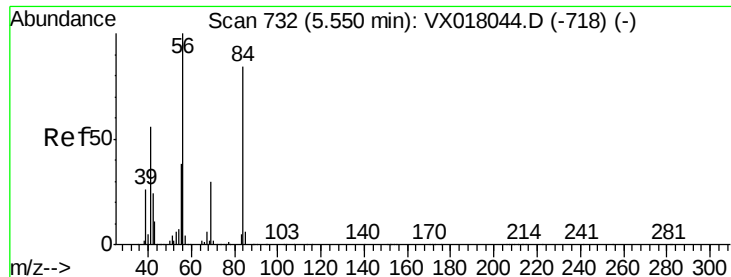
Tot Ion: 43 Resp: 2549
Ion Ratio Lower Upper
43 100
58 23.1 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

Tgt Ion: 84 Resp: 2095
Ion Ratio Lower Upper
84 100
49 118.3 98.6 148.0
51 83.3 29.6 44.4#
86 108.5 49.8 74.6#

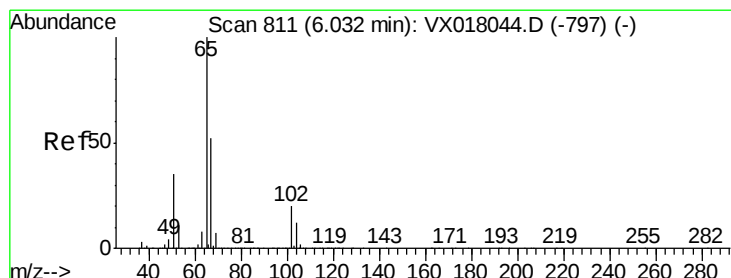
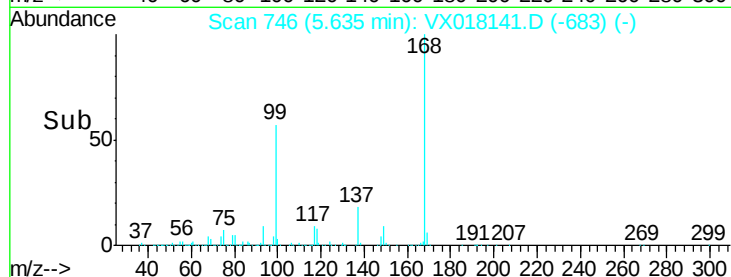
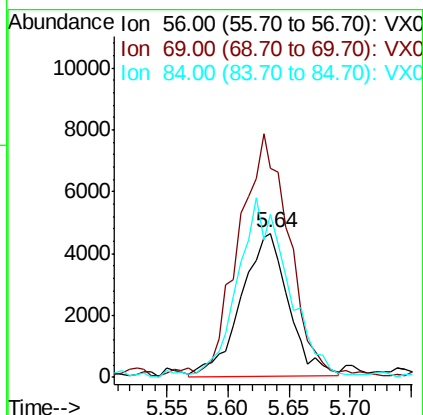
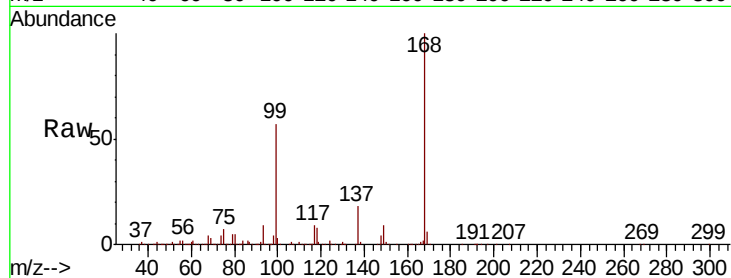




#31
Cyclohexane
Concen: 1.264 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

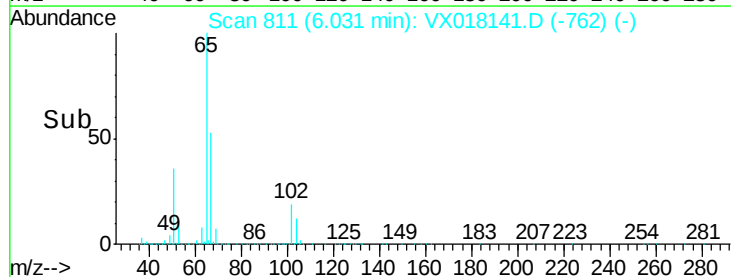
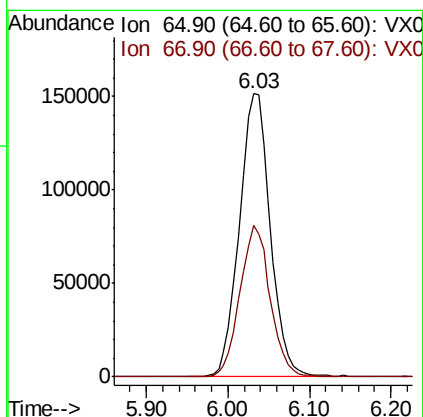
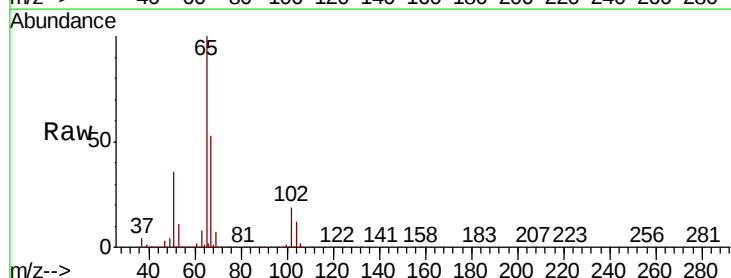
Instrument :
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ClientSampleId :
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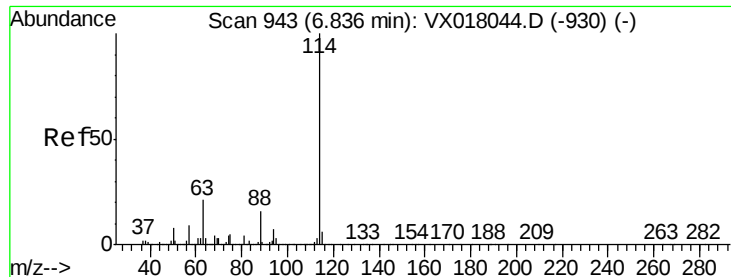
Tot Ion: 56 Resp: 12468
Ion Ratio Lower Upper
56 100
69 145.1 23.9 35.9#
84 114.2 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 48.302 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018141.D
Acq: 31 Aug 2020 12:51

Tgt Ion: 65 Resp: 397954
Ion Ratio Lower Upper
65 100
67 52.6 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: VX018141.D

Acq: 31 Aug 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200827

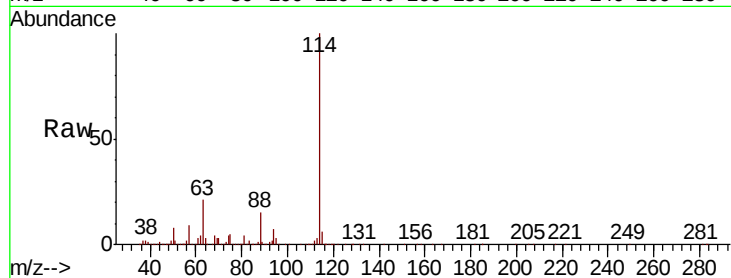
Tot Ion:114 Resp: 967454

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

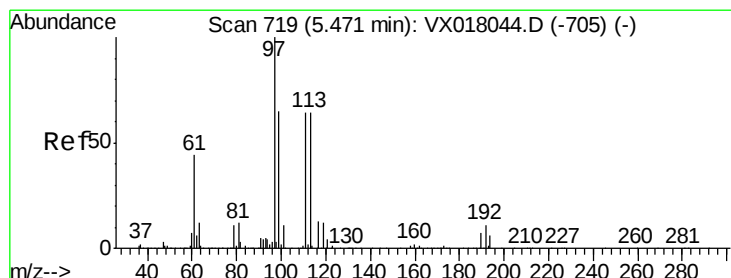
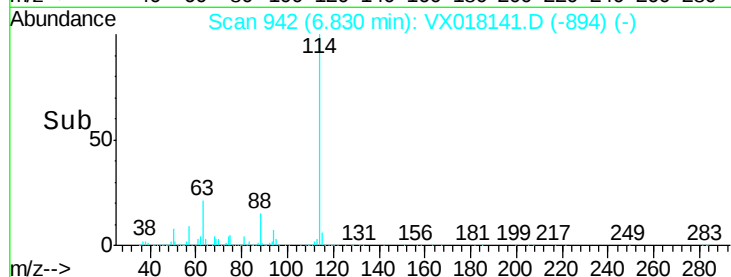
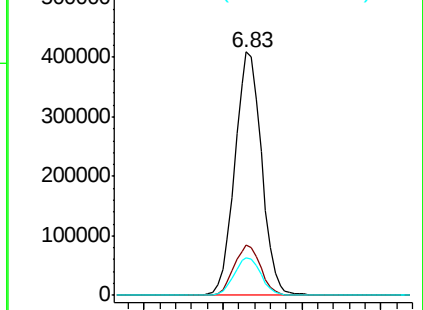
88 15.2 0.0 31.8



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: 48.407 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018141.D

Acq: 31 Aug 2020 12:51

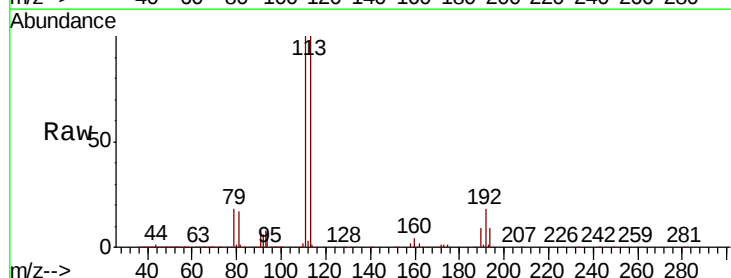
Tgt Ion:113 Resp: 318945

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

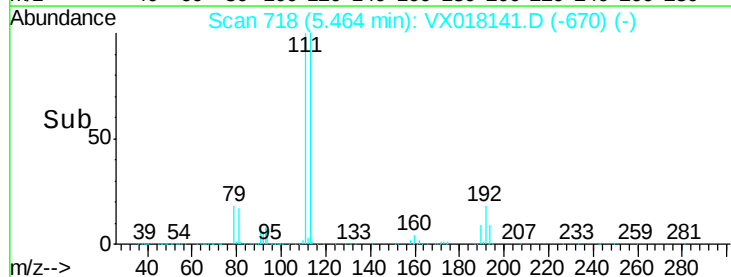
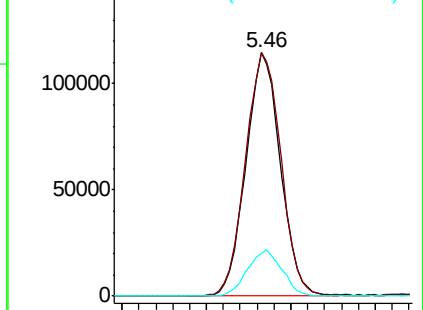
192 19.2 15.8 23.8

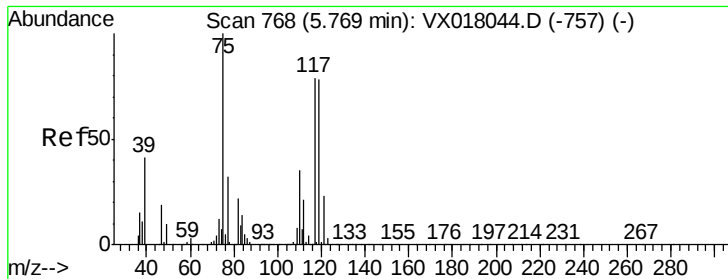


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

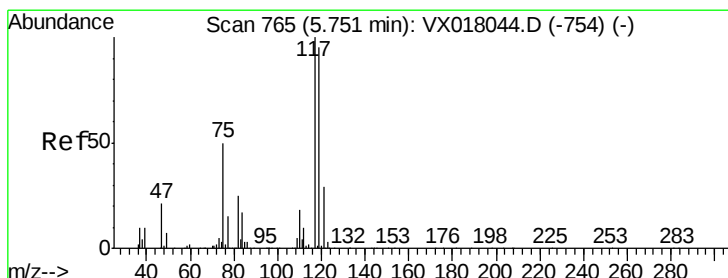
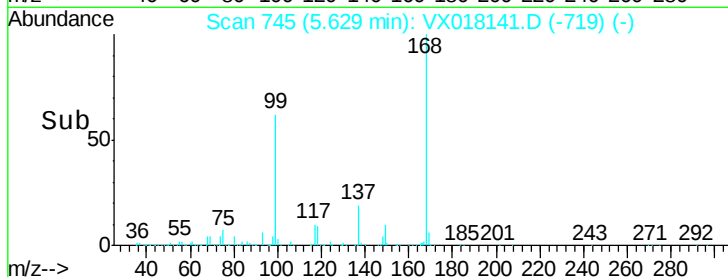
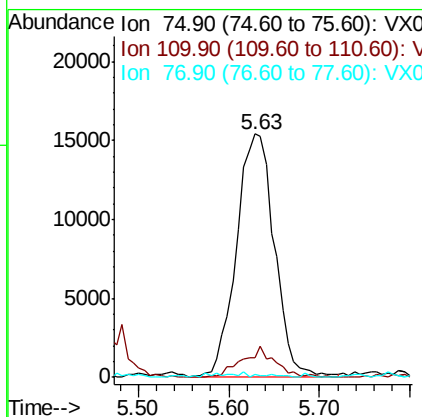
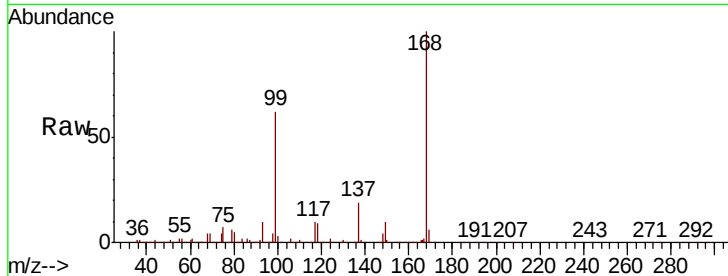




#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018141.D
 Acq: 31 Aug 2020 12:51

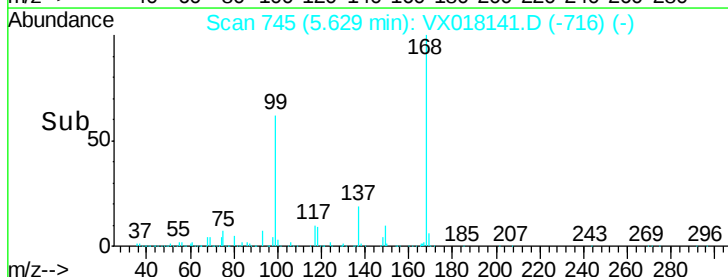
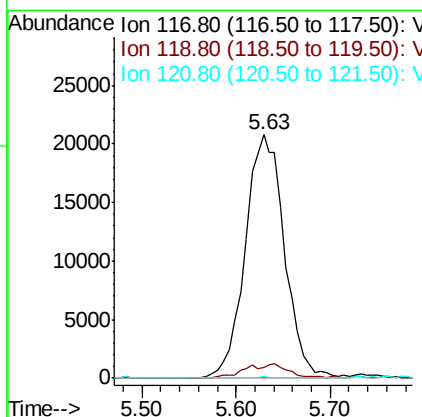
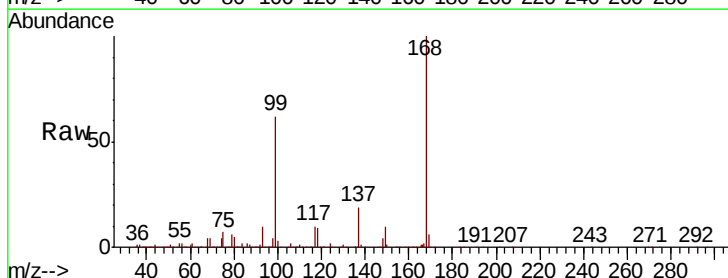
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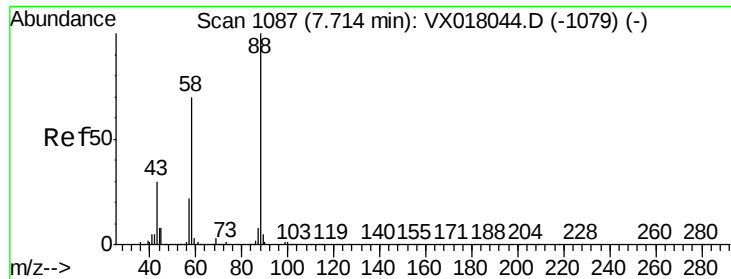
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.0	54.0#
77	0.8	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.003 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018141.D
 Acq: 31 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.6#
121	0.8	23.4	35.0#





#49

1,4-Dioxane

Concen: 0.583 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018141.D

Acq: 31 Aug 2020 12:51

Instrument :

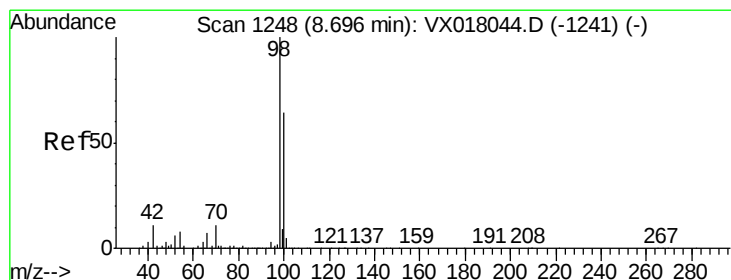
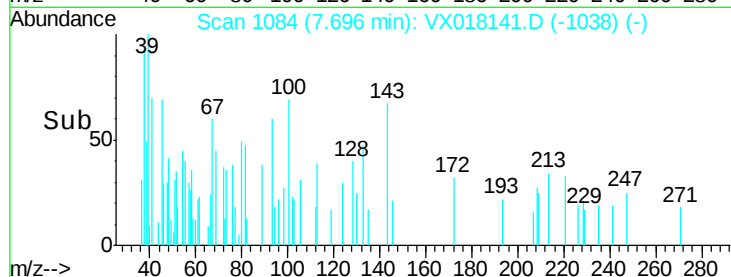
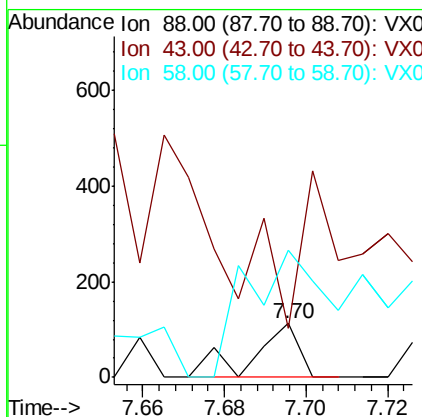
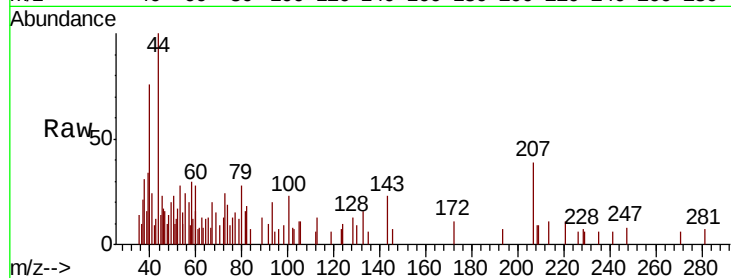
MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200827

Tot Ion: 88 Resp: 88

Ion	Ratio	Lower	Upper
88	100		
43	229.5	27.4	41.0#
58	413.6	56.4	84.6#



#50

Toluene-d8

Concen: 47.383 ug/l

RT: 8.70 min Scan# 1248

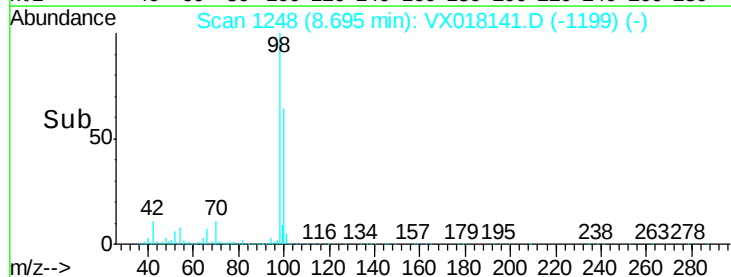
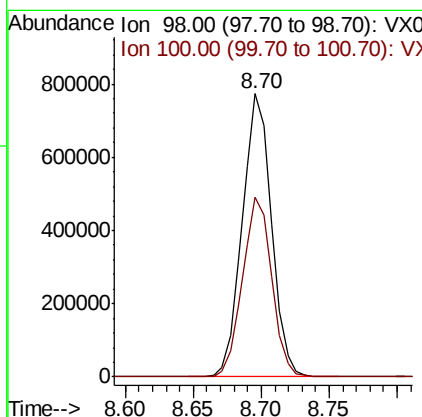
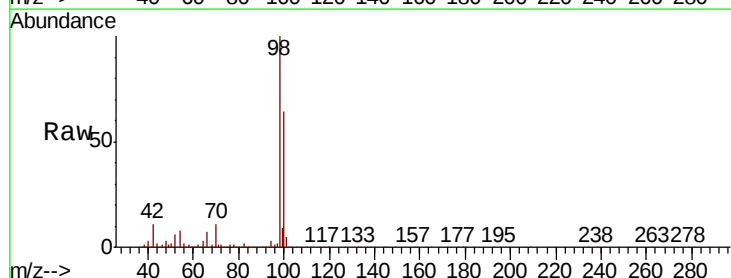
Delta R.T. -0.00 min

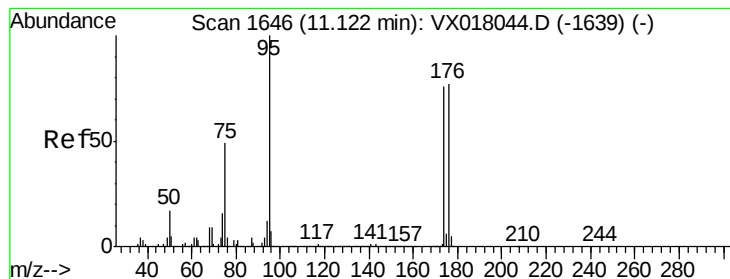
Lab File: VX018141.D

Acq: 31 Aug 2020 12:51

Tgt Ion: 98 Resp: 1162805

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 44.052 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018141.D

Acq: 31 Aug 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200827

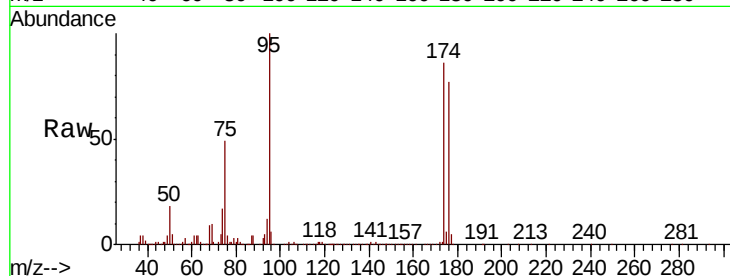
Tot Ion: 95 Resp: 425334

Ion Ratio Lower Upper

95 100

174 82.1 0.0 160.2

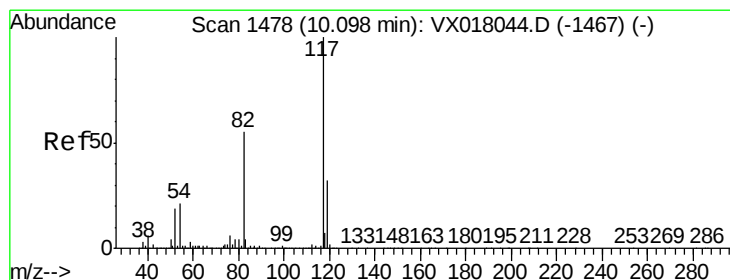
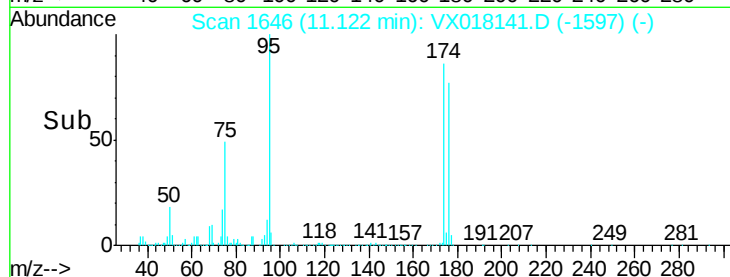
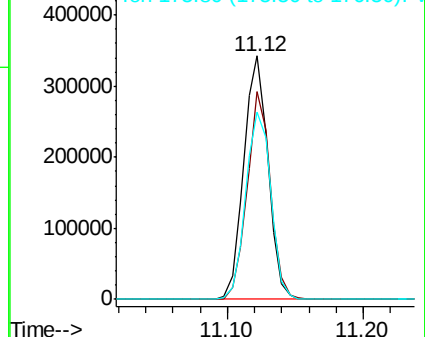
176 80.1 0.0 155.8



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: VX018141.D

Acq: 31 Aug 2020 12:51

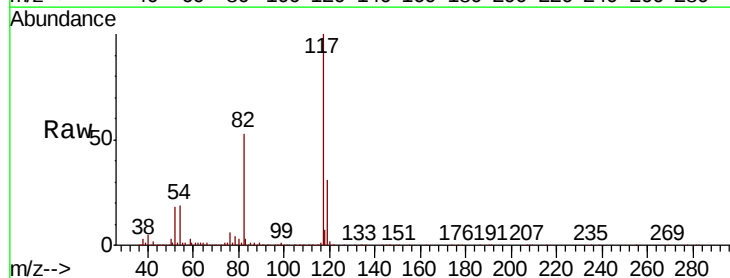
Tgt Ion: 117 Resp: 887397

Ion Ratio Lower Upper

117 100

82 52.7 44.2 66.2

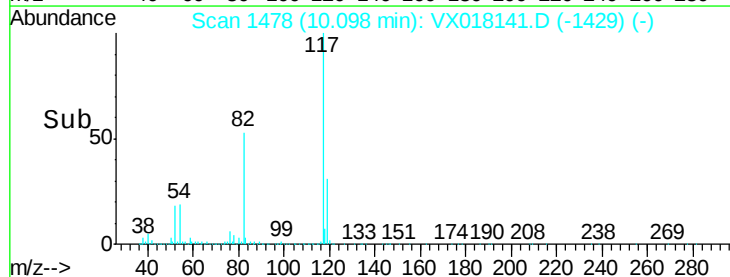
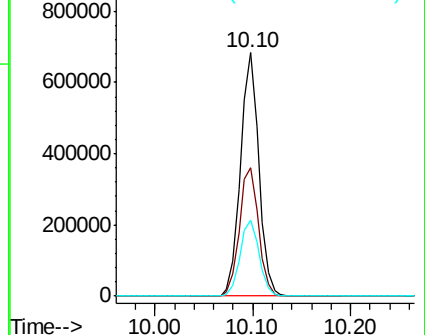
119 31.3 25.7 38.5

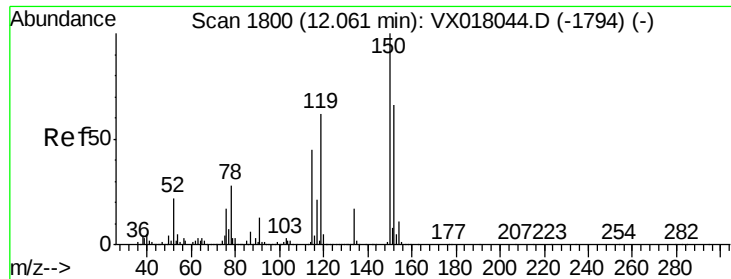


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX018141.D

Acq: 31 Aug 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200827

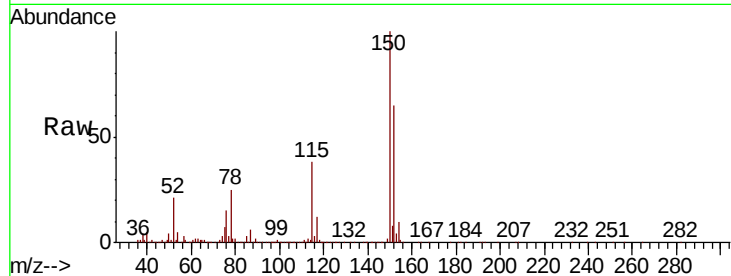
Tot Ion:152 Resp: 435930

Ion Ratio Lower Upper

152 100

115 58.9 41.5 124.5

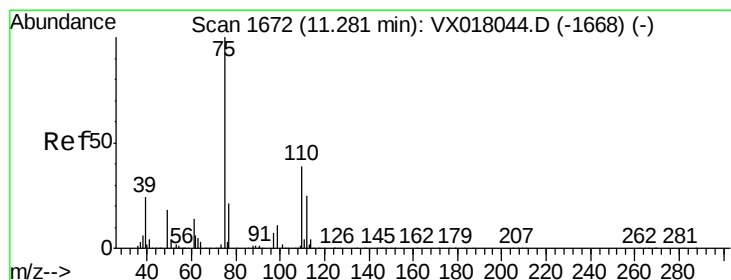
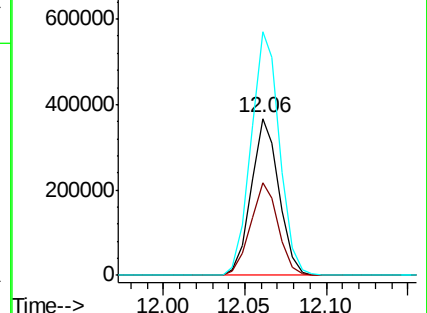
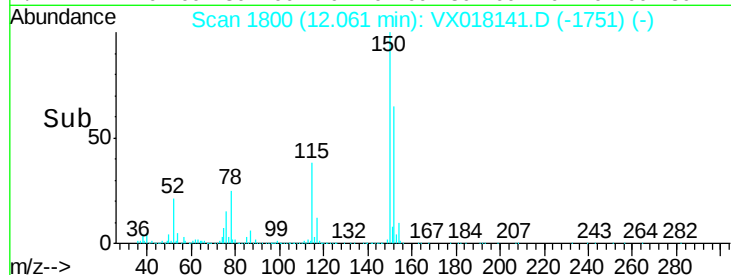
150 159.0 0.0 343.8



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: 21.822 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018141.D

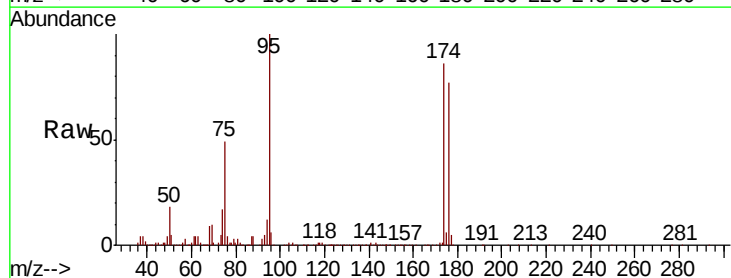
Acq: 31 Aug 2020 12:51

Tgt Ion: 75 Resp: 211613

Ion Ratio Lower Upper

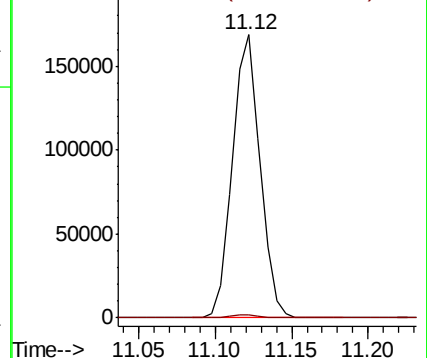
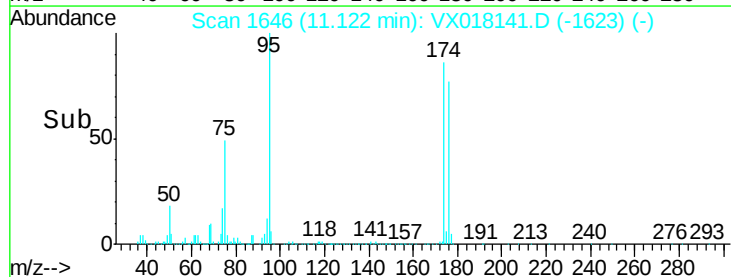
75 100

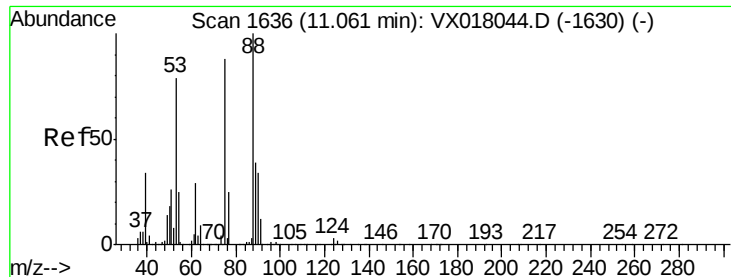
77 1.4 20.8 62.2#



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: 58.936 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018141.D

Acq: 31 Aug 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-TB-20200827

Tot Ion: 75 Resp: 211613

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.0 36.6 54.8#

