

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015631.D
 Acq On : 10 Apr 2020 18:57
 Operator : JC/SP
 Sample : L2196-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-TB-20200406

Quant Time: Apr 11 00:35:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1088869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1683617	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1625883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	910506	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	695541	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
35) Dibromofluoromethane	5.47	113	525016	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.70	98	2020218	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.12	95	869708	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	

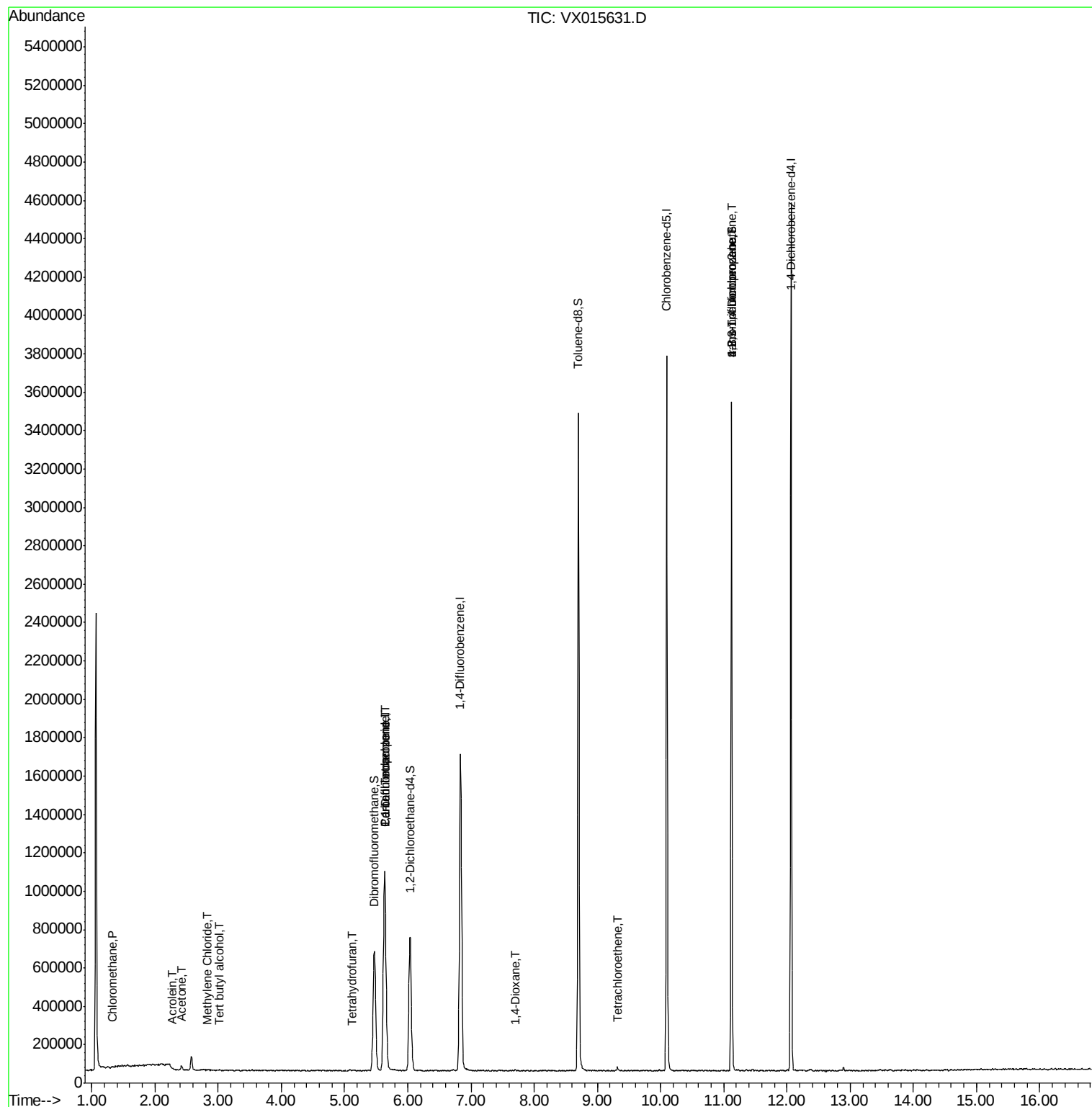
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4080	0.334	ug/l #	86
5) Bromomethane	1.64	94	775	Below Cal	#	39
11) Tert butyl alcohol	3.01	59	2781	0.757	ug/l #	55
13) Acrolein	2.28	56	1438	0.687	ug/l #	52
16) Acetone	2.42	43	26083	3.953	ug/l	92
20) Methylene Chloride	2.83	84	2711	0.220	ug/l #	76
29) Tetrahydrofuran	5.12	42	1544	0.226	ug/l #	50
36) 1,1-Dichloropropene	5.63	75	76948	4.960	ug/l #	52
38) Carbon Tetrachloride	5.64	117	97945	5.829	ug/l #	16
49) 1,4-Dioxane	7.70	88	83	0.261	ug/l #	1
64) Tetrachloroethene	9.32	164	5065	0.413	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	448582	23.958	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	448582	57.486	ug/l #	10

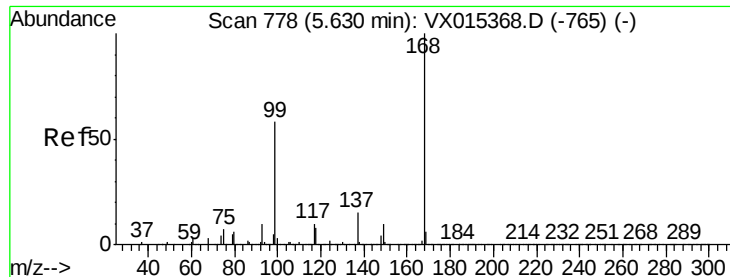
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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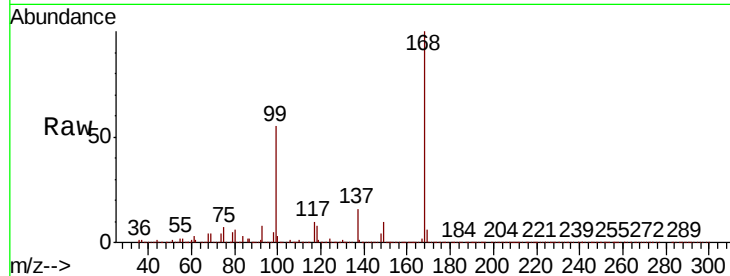


#1

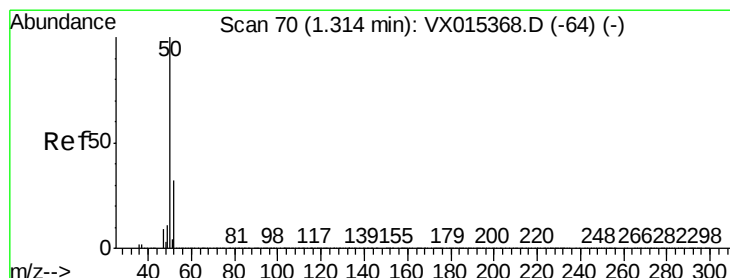
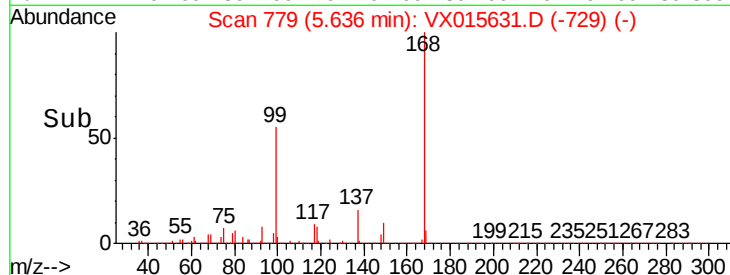
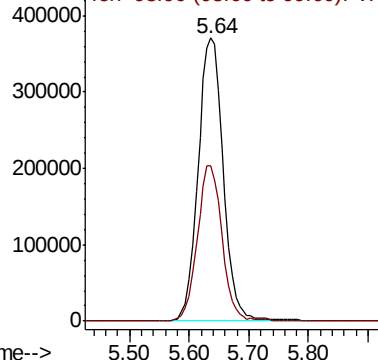
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VX015631.D
 Acq: 10 Apr 2020 18:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-TB-20200406

Tot Ion:168 Resp: 1088869
 Ion Ratio Lower Upper
 168 100
 99 54.5 46.4 69.6



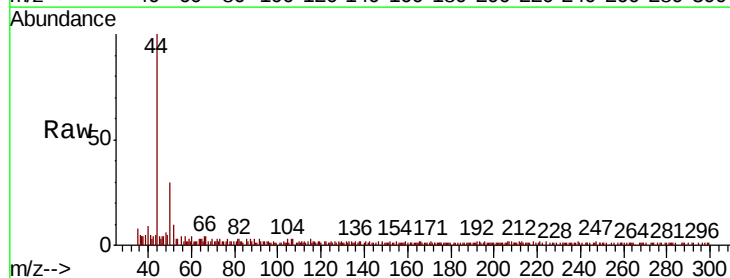
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



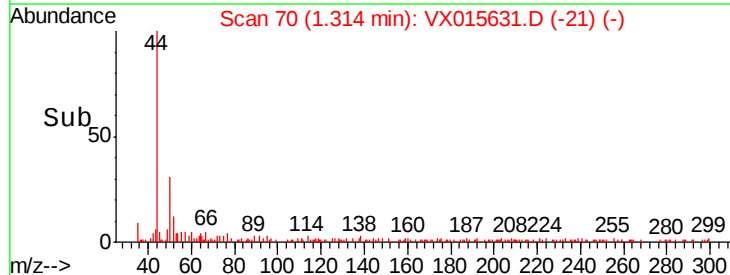
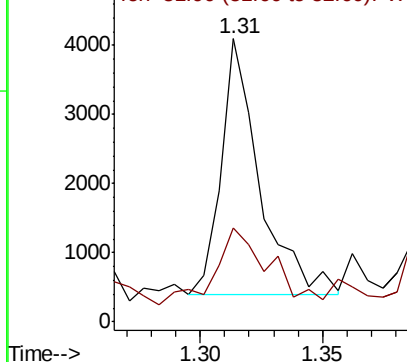
#3

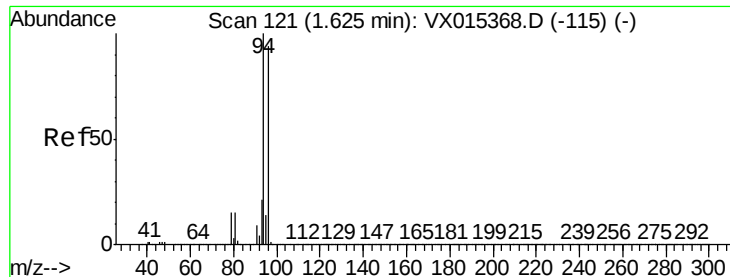
Chloromethane
 Concen: 0.334 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VX015631.D
 Acq: 10 Apr 2020 18:57

Tgt Ion: 50 Resp: 4080
 Ion Ratio Lower Upper
 50 100
 52 24.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0
 Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

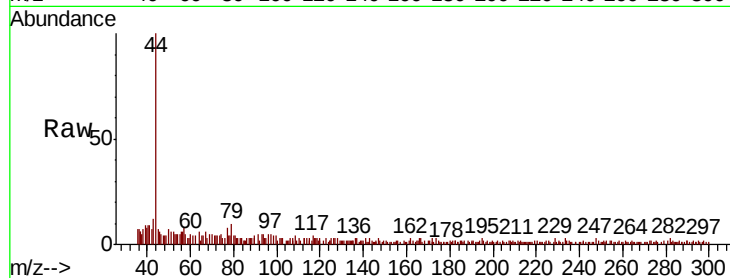
BP-VPB180-TB-20200406

Tot Ion: 94 Resp: 775

Ion Ratio Lower Upper

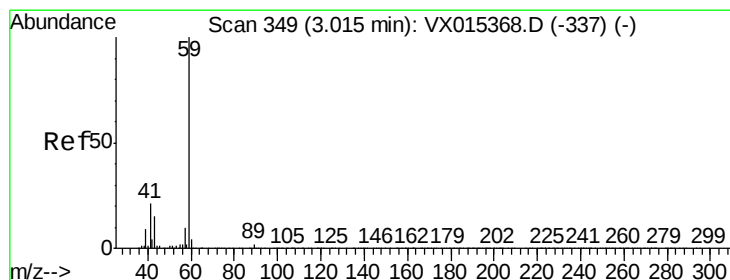
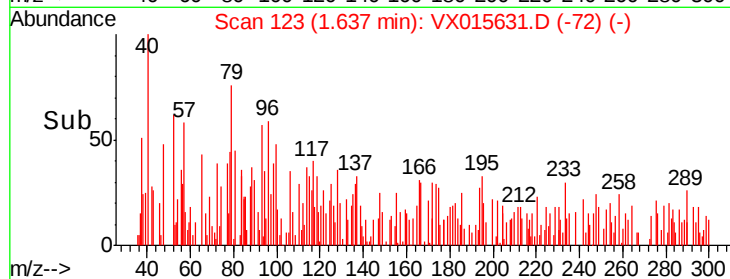
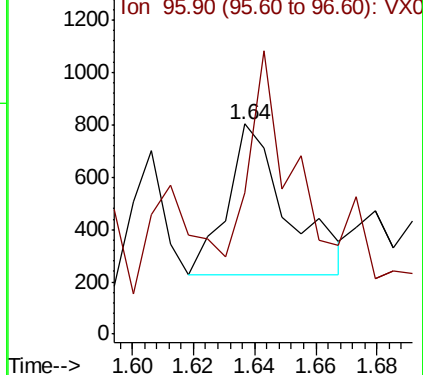
94 100

96 34.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.757 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015631.D

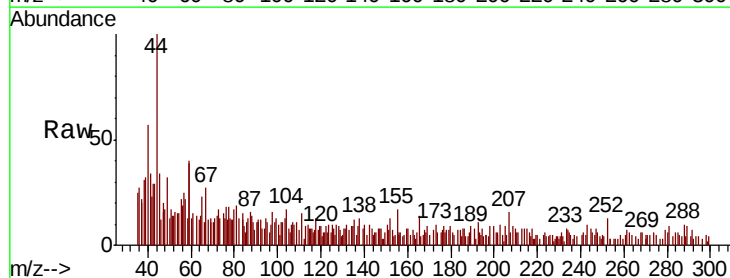
Acq: 10 Apr 2020 18:57

Tgt Ion: 59 Resp: 2781

Ion Ratio Lower Upper

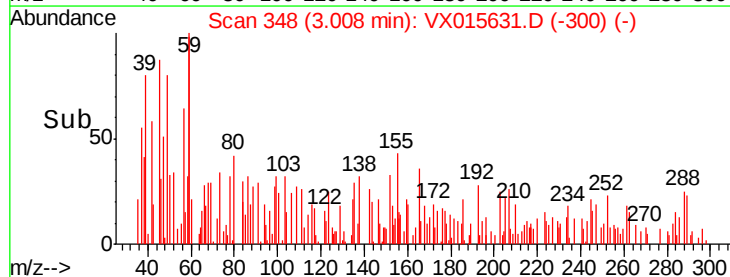
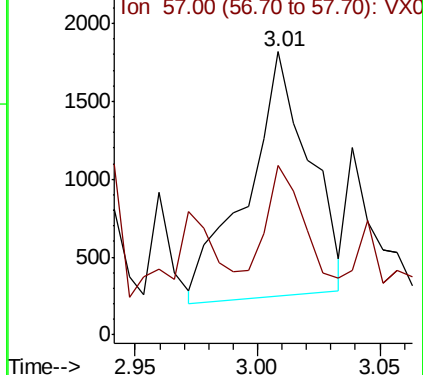
59 100

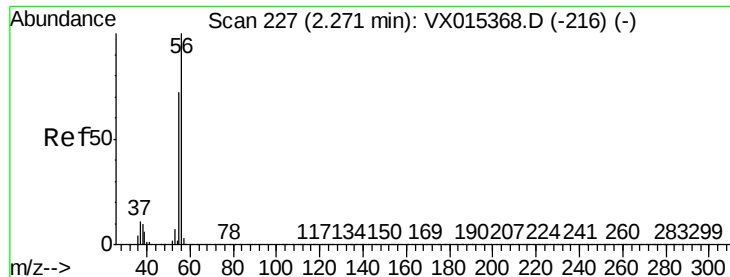
57 26.8 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

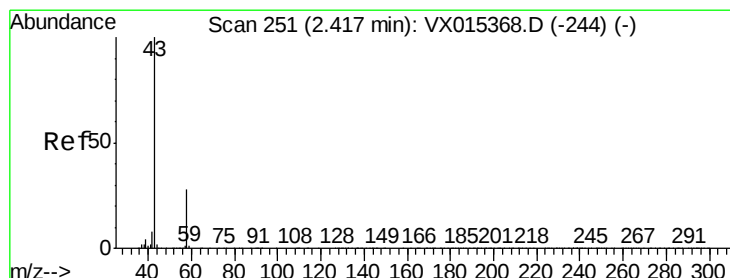
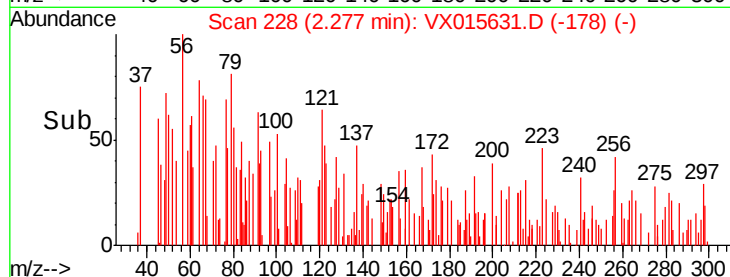
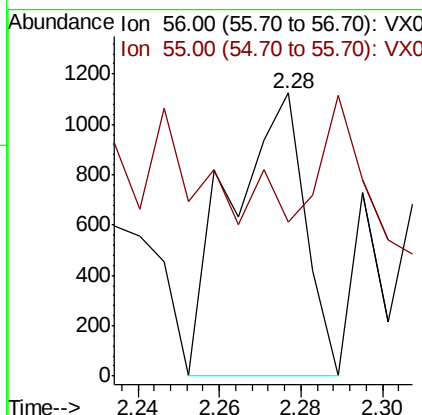
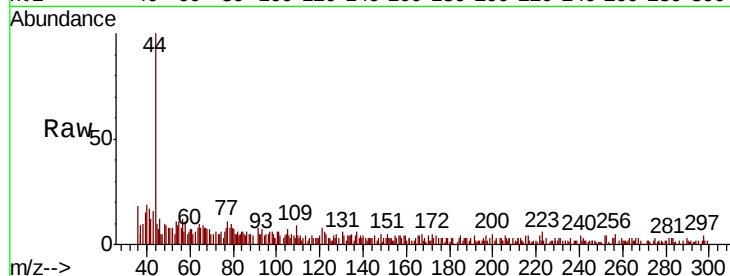




#13
Acrolein
Concen: 0.687 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015631.D
Acq: 10 Apr 2020 18:57

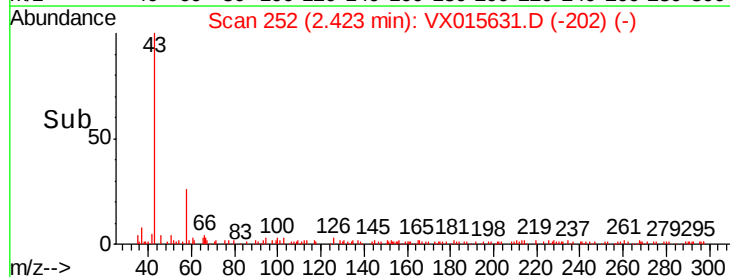
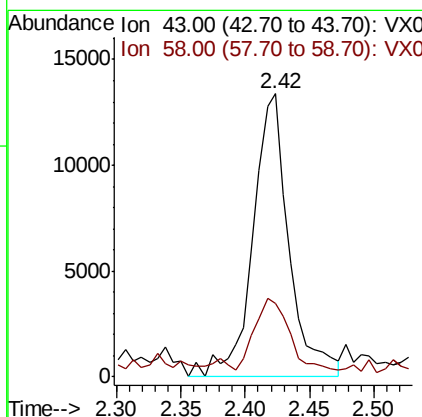
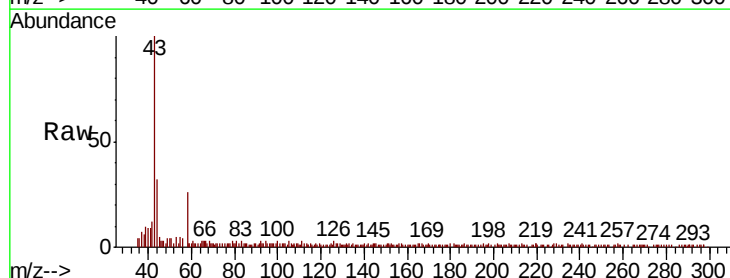
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200406

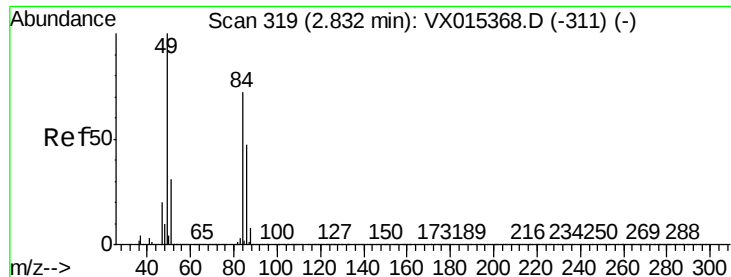
Tot Ion: 56 Resp: 1438
Ion Ratio Lower Upper
56 100
55 31.1 57.0 85.4#



#16
Acetone
Concen: 3.953 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015631.D
Acq: 10 Apr 2020 18:57

Tgt Ion: 43 Resp: 26083
Ion Ratio Lower Upper
43 100
58 23.6 22.1 33.1

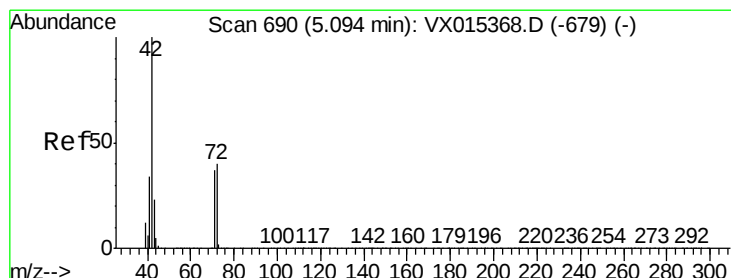
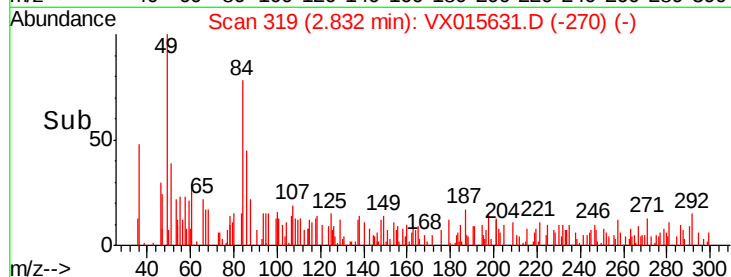
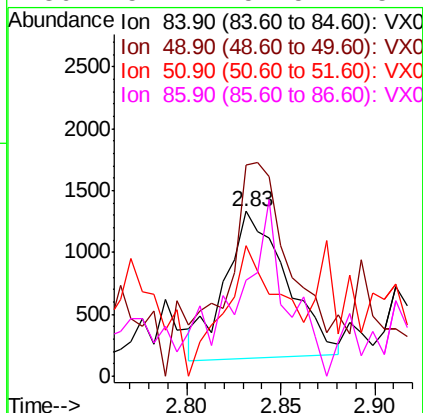
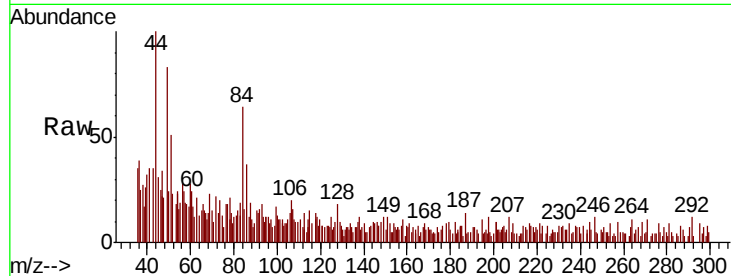




#20
Methvlene Chloride
Concen: 0.220 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015631.D
Acq: 10 Apr 2020 18:57

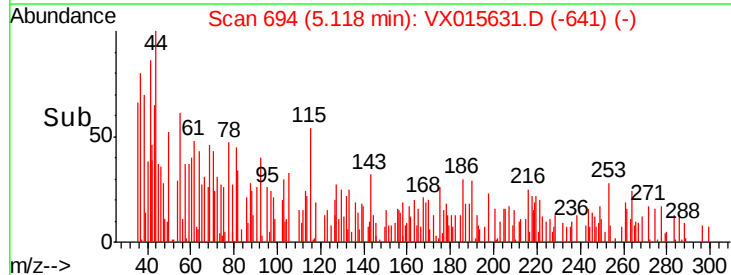
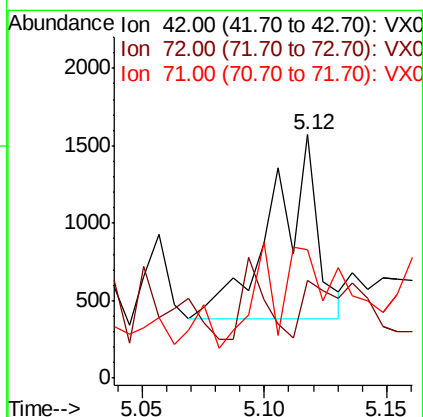
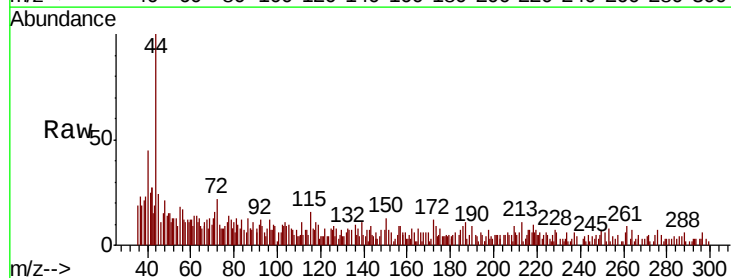
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200406

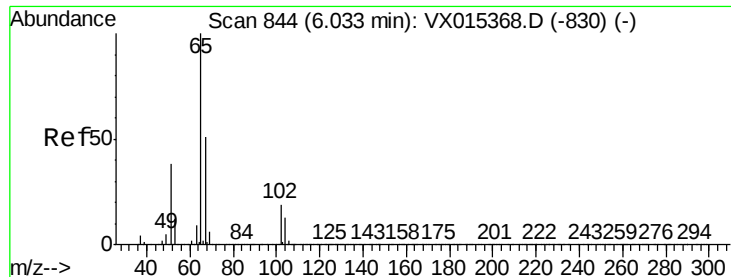
Tot Ion: 84 Resp: 2711
Ion Ratio Lower Upper
84 100
49 135.9 111.3 166.9
51 110.6 34.0 51.0#
86 52.1 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.02 min
Lab File: VX015631.D
Acq: 10 Apr 2020 18:57

Tgt Ion: 42 Resp: 1544
Ion Ratio Lower Upper
42 100
72 60.6 31.7 47.5#
71 76.6 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 45.291 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

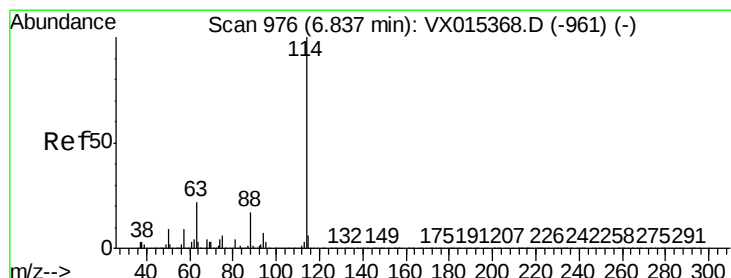
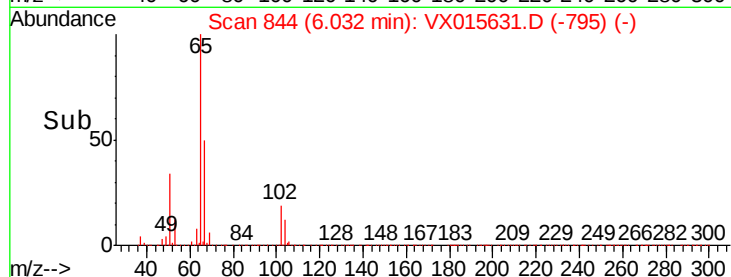
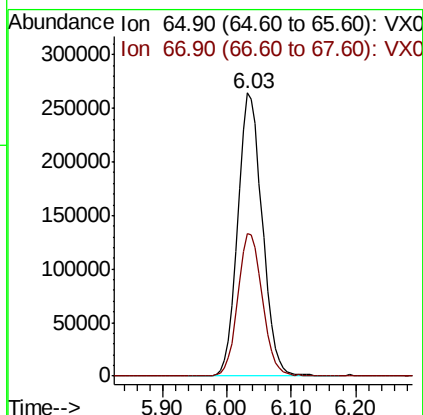
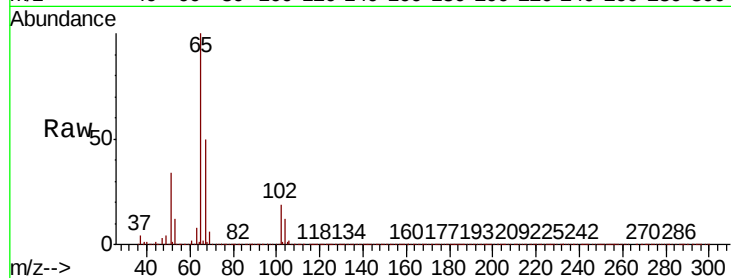
BP-VPB180-TB-20200406

Tot Ion: 65 Resp: 695541

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

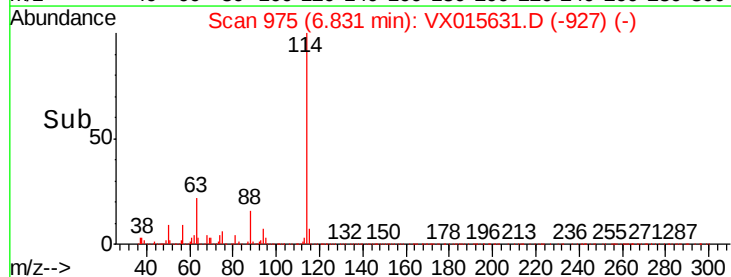
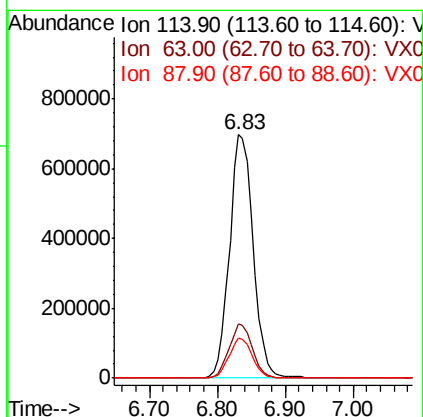
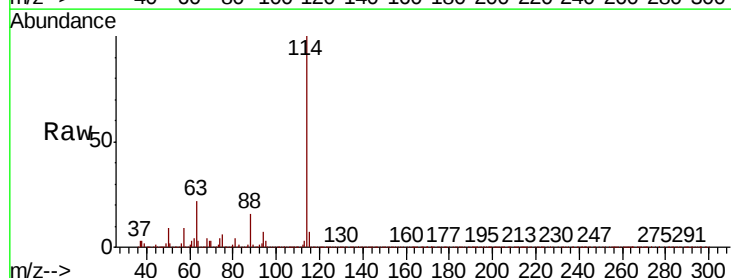
Tgt Ion: 114 Resp: 1683617

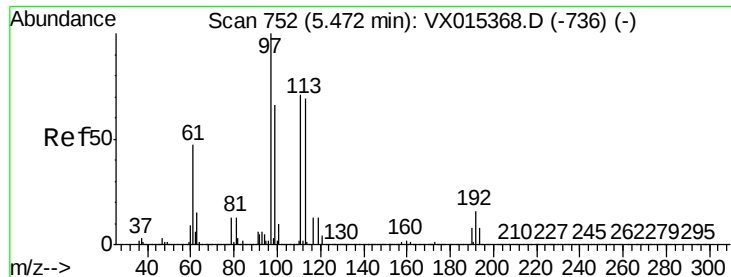
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.2 0.0 33.8

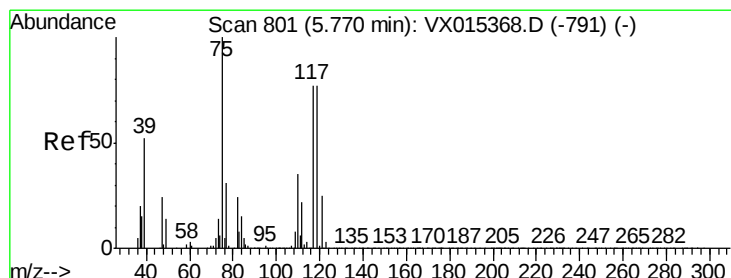
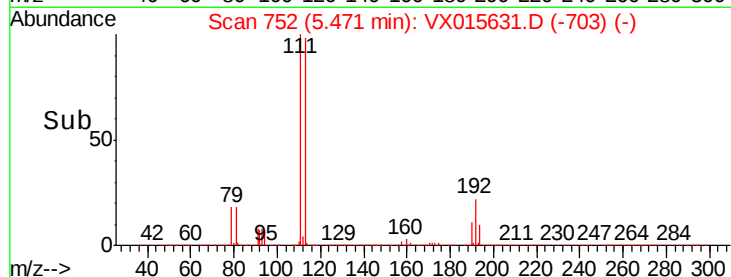
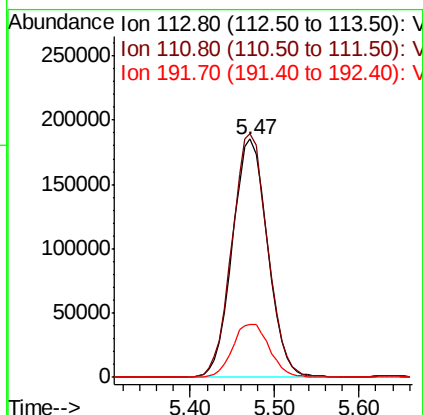
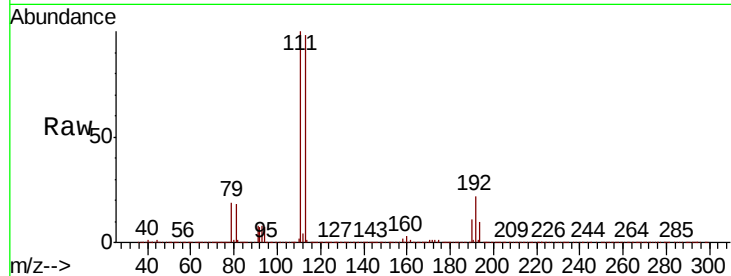




#35
 Dibromofluoromethane
 Concen: 48.784 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015631.D
 Acq: 10 Apr 2020 18:57

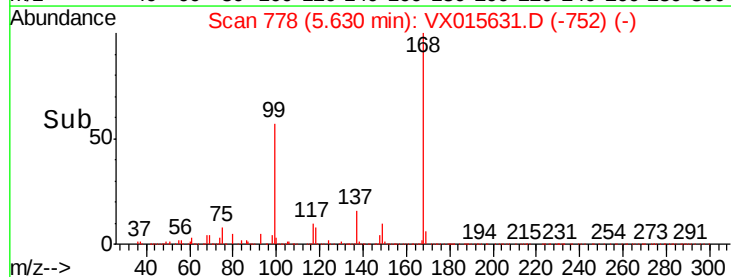
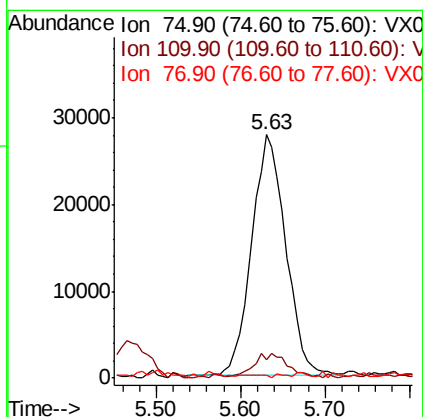
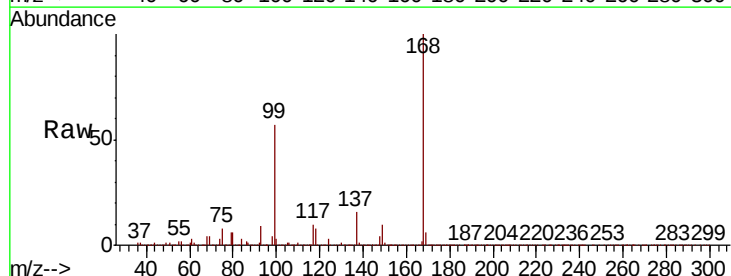
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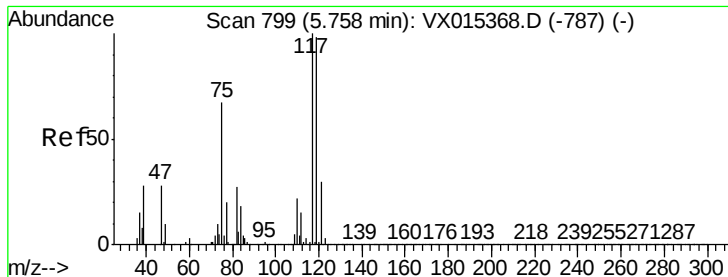
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	23.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015631.D
 Acq: 10 Apr 2020 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.1	51.3#
77	0.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200406

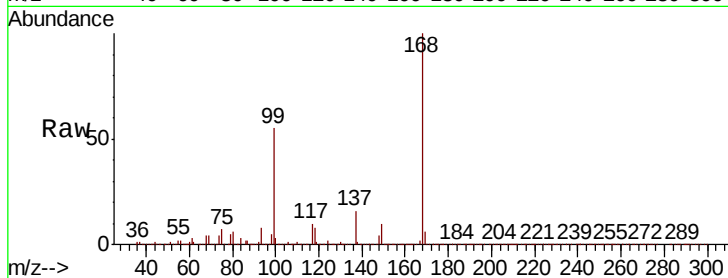
Tot Ion:117 Resp: 97945

Ion Ratio Lower Upper

117 100

119 5.7 78.0 117.0#

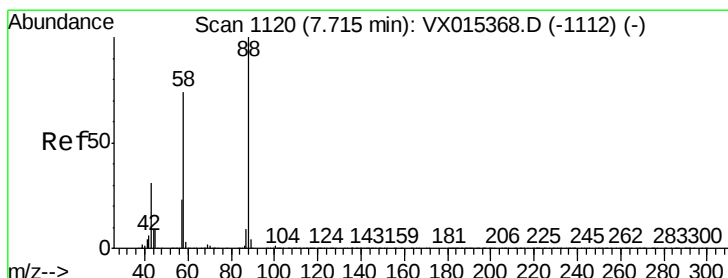
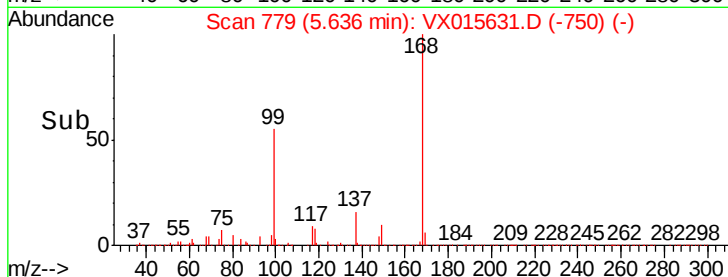
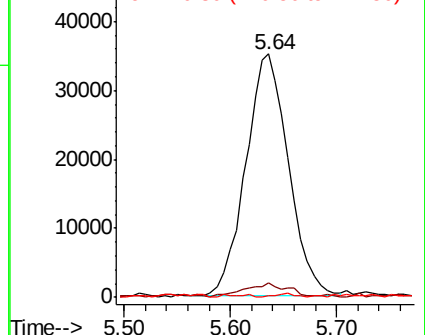
121 0.1 23.8 35.8#



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: 0.261 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

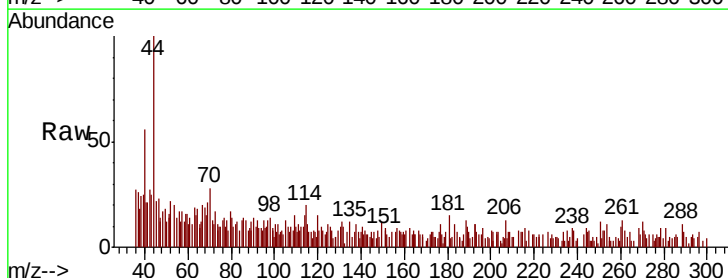
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 512.0 30.1 45.1#

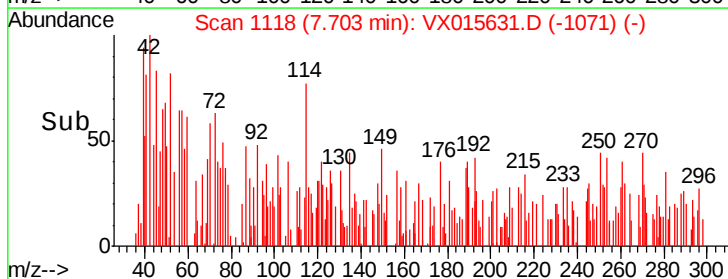
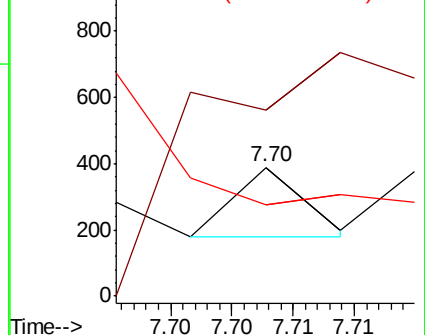
58 0.0 60.6 90.8#

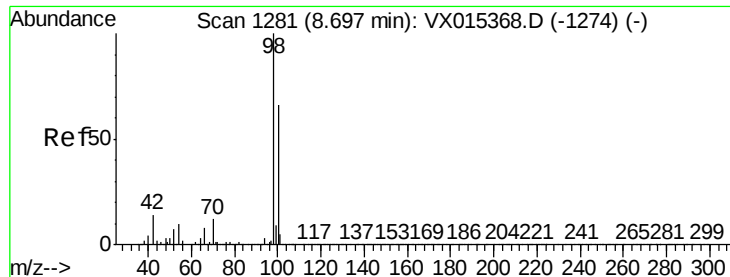


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.986 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

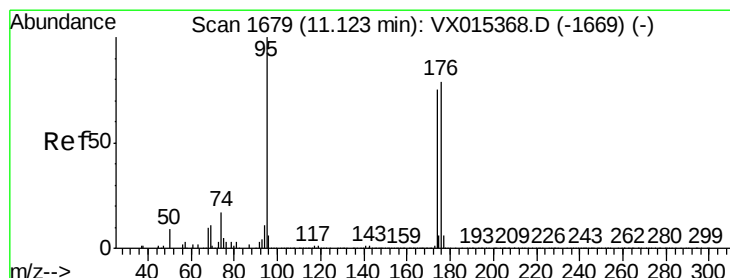
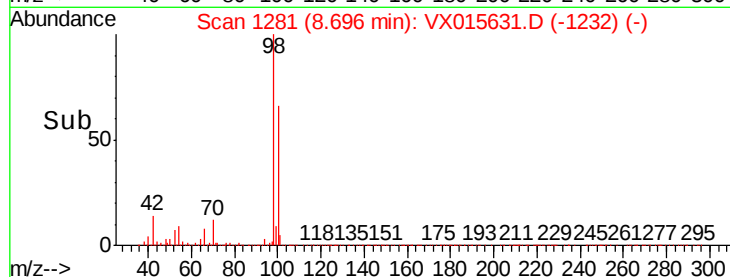
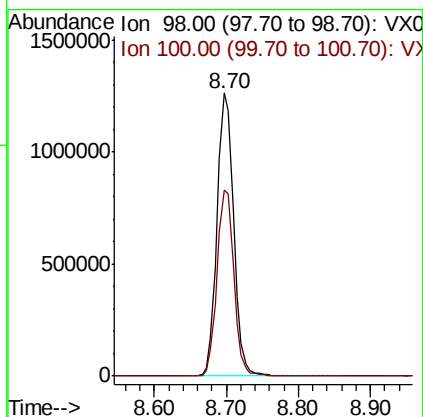
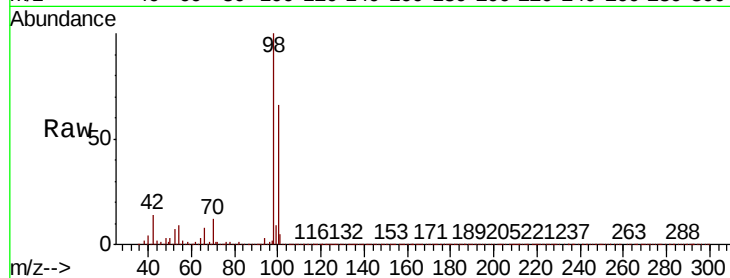
BP-VPB180-TB-20200406

Tot Ion: 98 Resp: 2020218

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.009 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

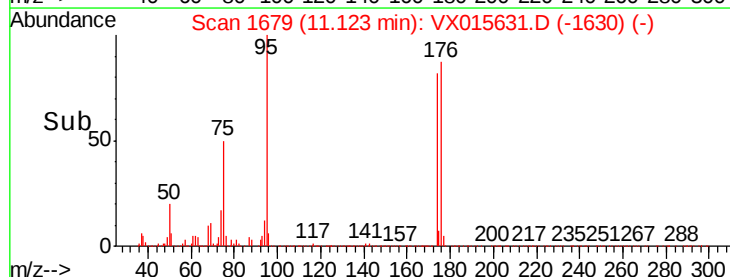
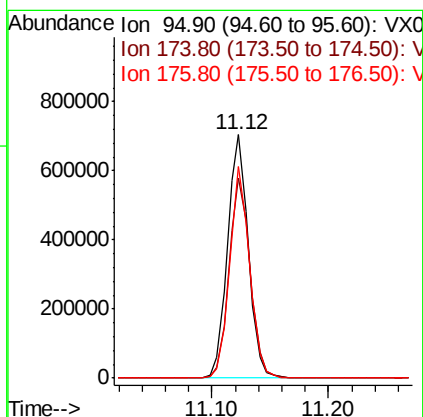
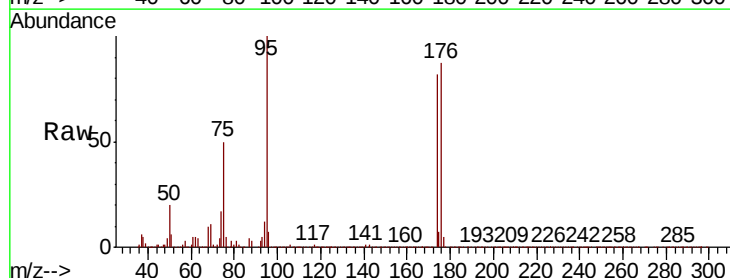
Tgt Ion: 95 Resp: 869708

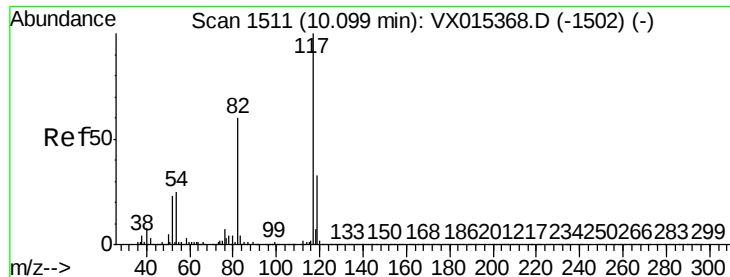
Ion Ratio Lower Upper

95 100

174 83.9 0.0 158.6

176 83.3 0.0 159.0

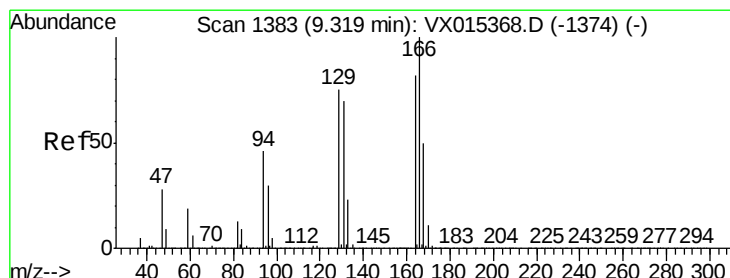
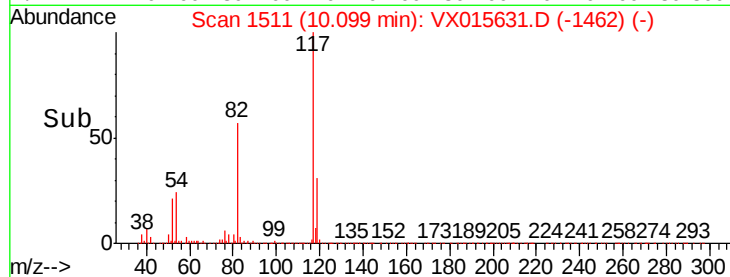
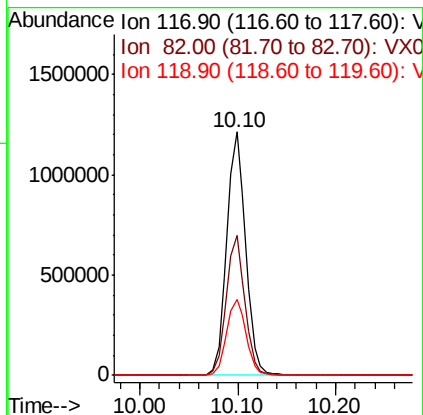
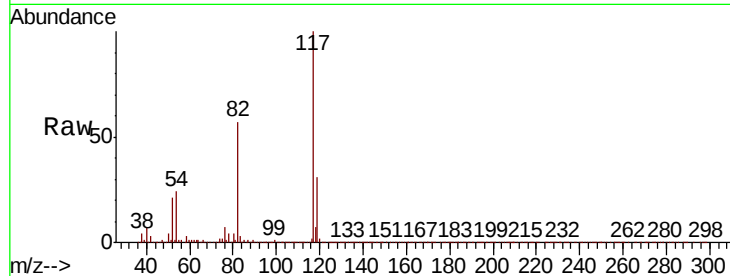




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015631.D
Acq: 10 Apr 2020 18:57

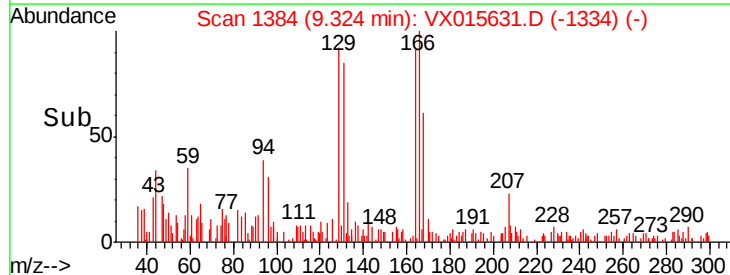
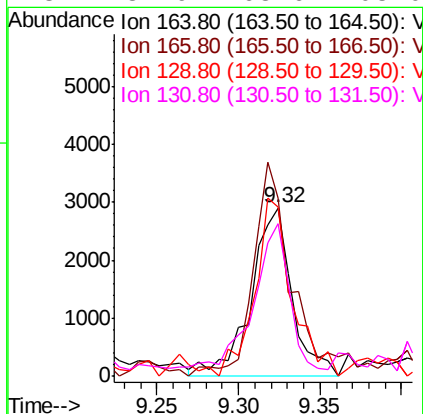
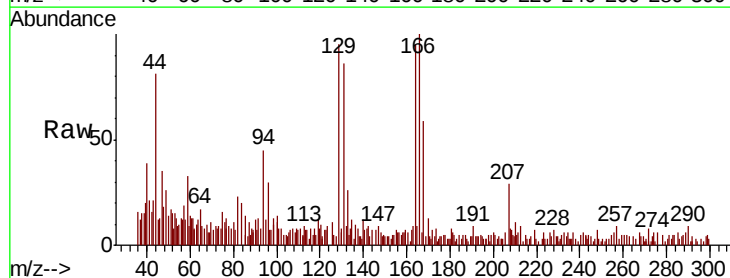
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200406

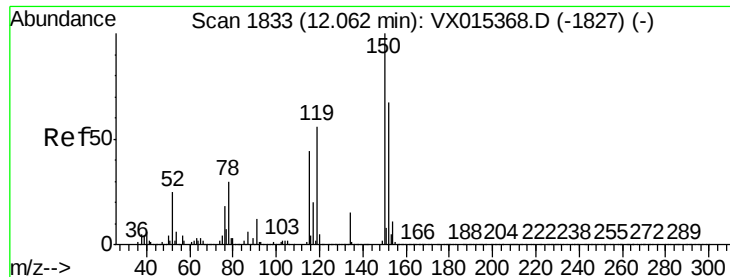
Tot Ion:117 Resp: 1625883
Ion Ratio Lower Upper
117 100
82 57.2 47.8 71.8
119 31.2 26.8 40.2



#64
Tetrachloroethene
Concen: 0.413 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015631.D
Acq: 10 Apr 2020 18:57

Tgt Ion:164 Resp: 5065
Ion Ratio Lower Upper
164 100
166 105.8 97.8 146.6
129 100.4 73.0 109.4
131 84.9 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200406

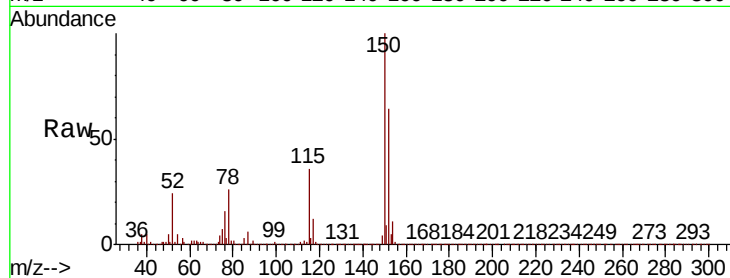
Tot Ion:152 Resp: 910506

Ion Ratio Lower Upper

152 100

115 56.6 39.0 116.9

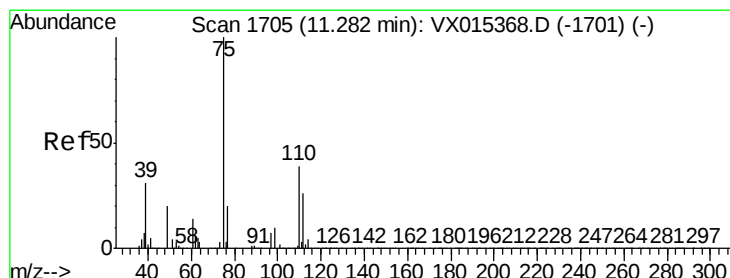
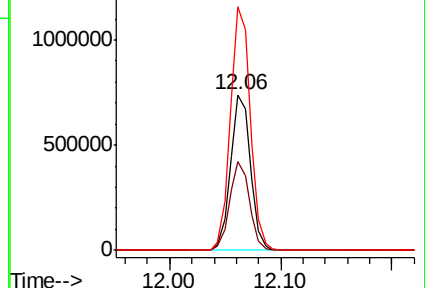
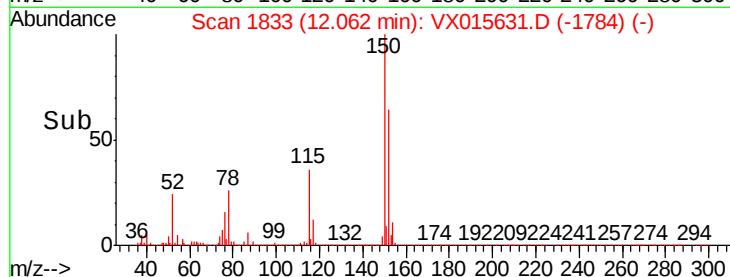
150 156.9 0.0 340.8



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: 23.958 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015631.D

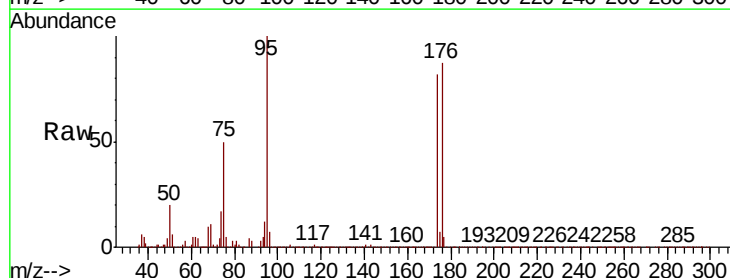
Acq: 10 Apr 2020 18:57

Tgt Ion: 75 Resp: 448582

Ion Ratio Lower Upper

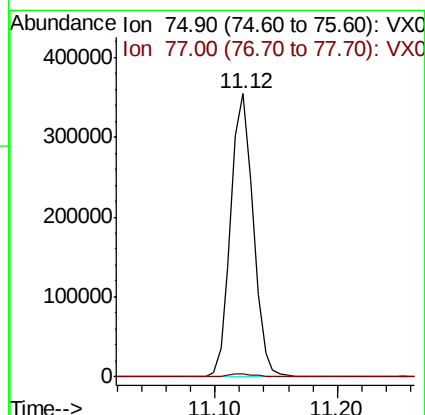
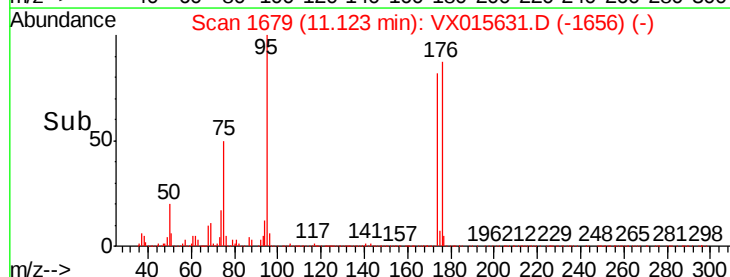
75 100

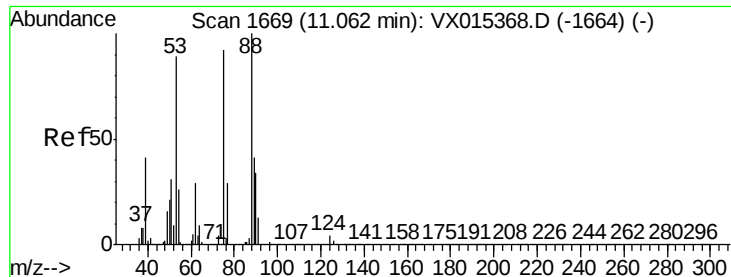
77 1.1 21.2 63.6#



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: 57.486 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015631.D

Acq: 10 Apr 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200406

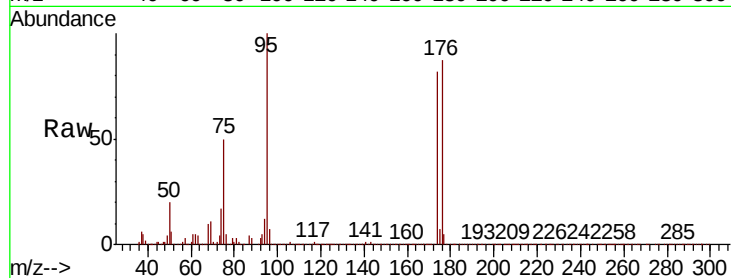
Tot Ion: 75 Resp: 448582

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

