

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015714.D
 Acq On : 16 Apr 2020 16:00
 Operator : JC/SP
 Sample : L2276-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-278-280

Quant Time: Apr 17 06:49:30 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	5.63	168	1038466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1631782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1542487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	857079	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	631609	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
35) Dibromofluoromethane	5.47	113	481869	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	8.70	98	1921462	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.12	95	808304	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

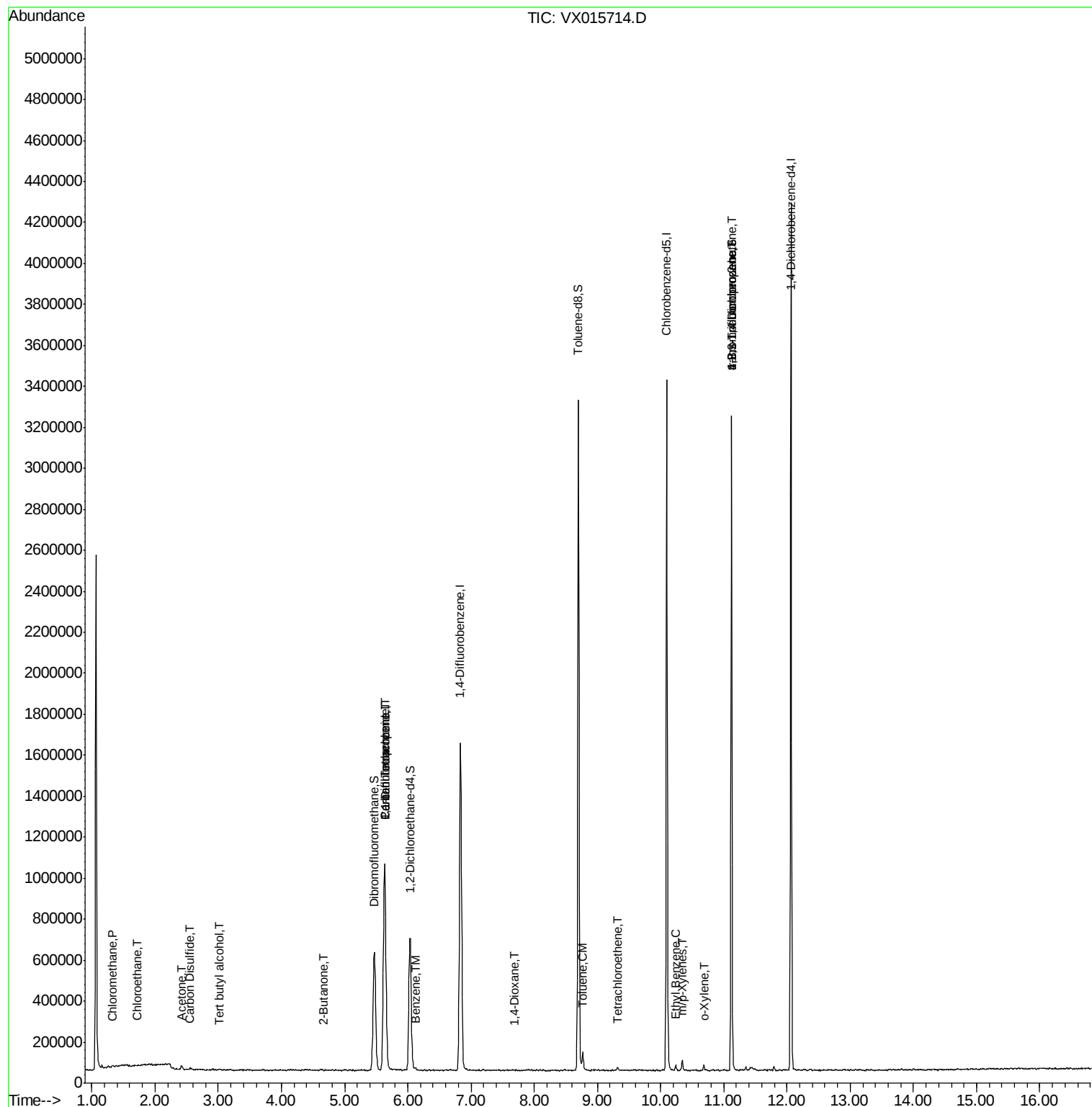
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2862	0.246	ug/l #	82
5) Bromomethane	1.64	94	177	Below Cal	#	60
6) Chloroethane	1.72	64	1403	0.211	ug/l #	43
11) Tert butyl alcohol	3.01	59	725	0.207	ug/l #	73
16) Acetone	2.42	43	23207	3.688	ug/l	94
17) Carbon Disulfide	2.55	76	9099	0.304	ug/l	98
25) 2-Butanone	4.67	43	6607	0.653	ug/l #	67
36) 1,1-Dichloropropene	5.64	75	72012	4.790	ug/l #	54
38) Carbon Tetrachloride	5.64	117	94935	5.830	ug/l #	15
40) Benzene	6.12	78	13109	0.298	ug/l #	90
49) 1,4-Dioxane	7.69	88	620	2.013	ug/l #	1
52) Toluene	8.77	92	31186	1.149	ug/l	90
64) Tetrachloroethene	9.32	164	2840	0.244	ug/l	92
67) Ethyl Benzene	10.24	91	17343	0.318	ug/l	98
68) m/p-Xylenes	10.34	106	12468	0.614	ug/l	96
69) o-Xylene	10.69	106	7995	0.398	ug/l	67
76) 1,2,3-Trichloropropane	11.12	75	406903	23.086	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	406903	55.395	ug/l #	10

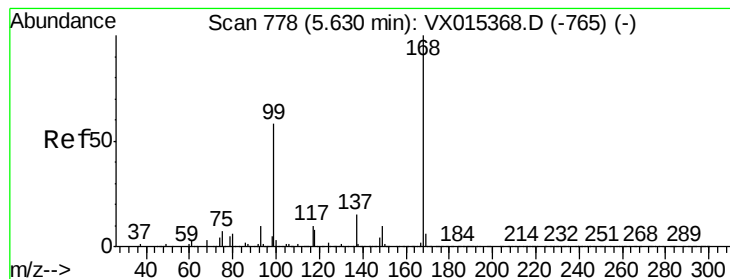
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

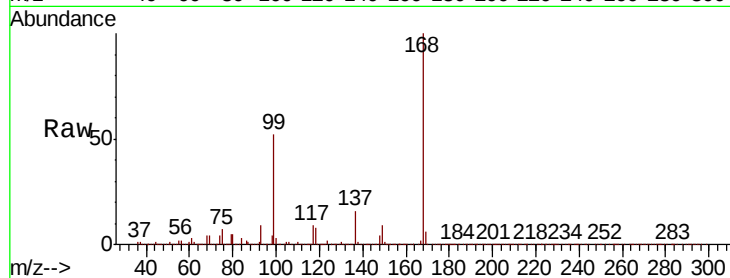
BP-VPB180-GW-278-280

Tot Ion:168 Resp: 1038466

Ion Ratio Lower Upper

168 100

99 52.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

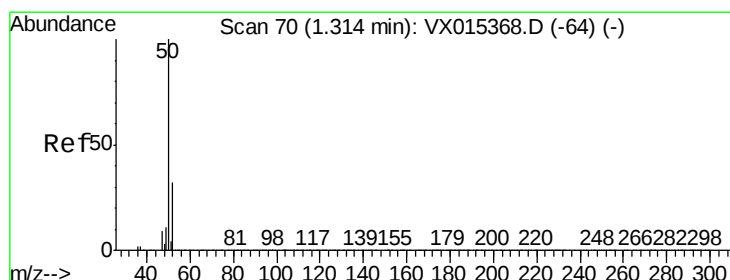
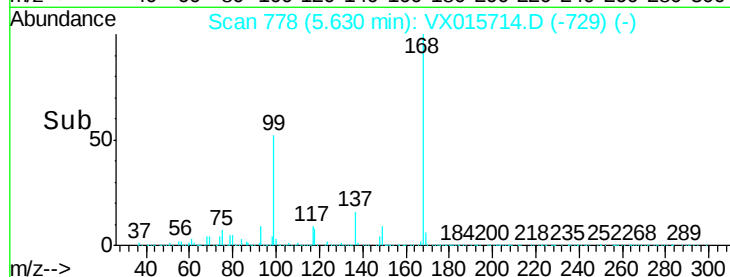
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015714.D

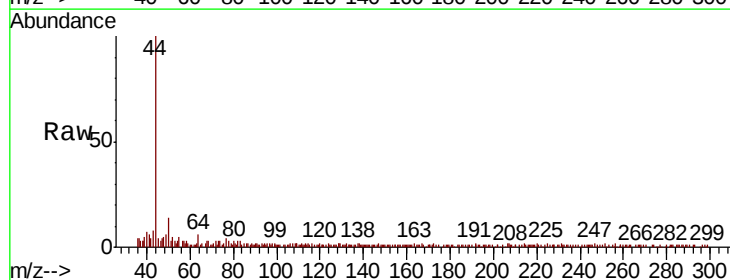
Acq: 16 Apr 2020 16:00

Tgt Ion: 50 Resp: 2862

Ion Ratio Lower Upper

50 100

52 21.7 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

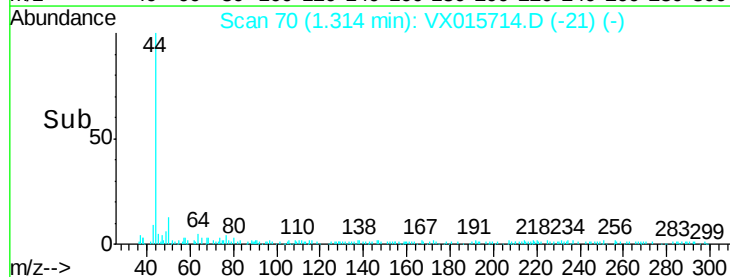
1500

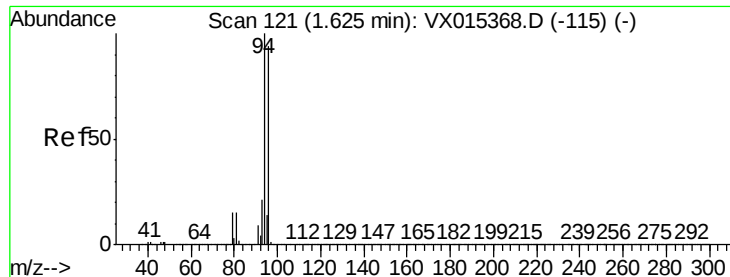
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

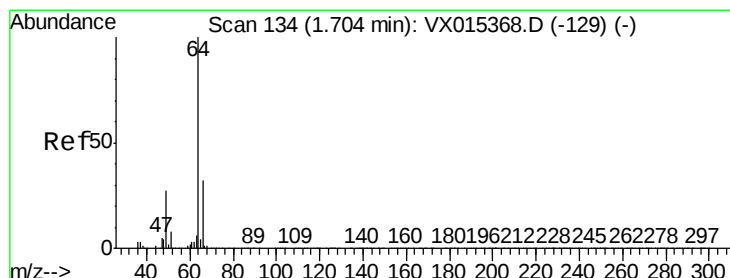
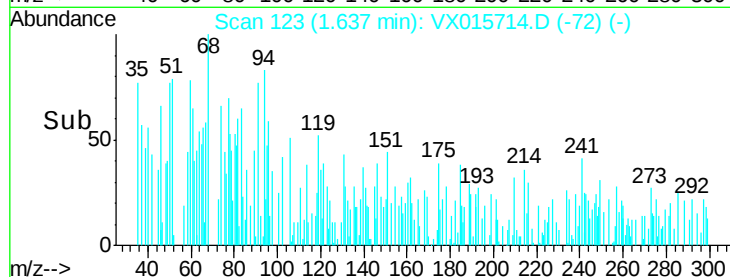
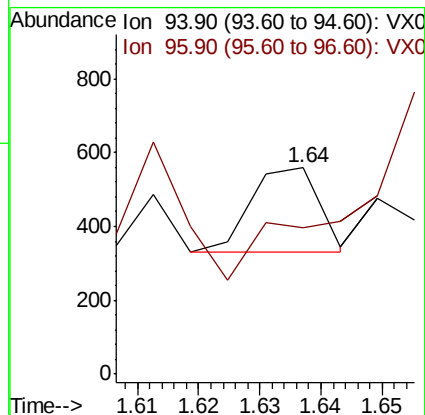
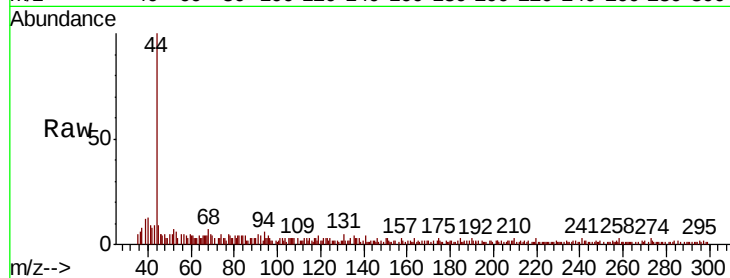
BP-VPB180-GW-278-280

Tot Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 132.3 74.8 112.2#



#6

Chloroethane

Concen: 0.211 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015714.D

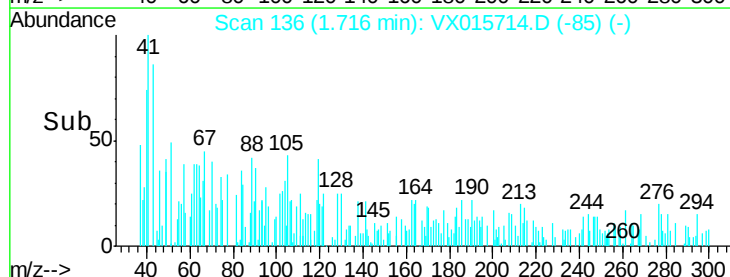
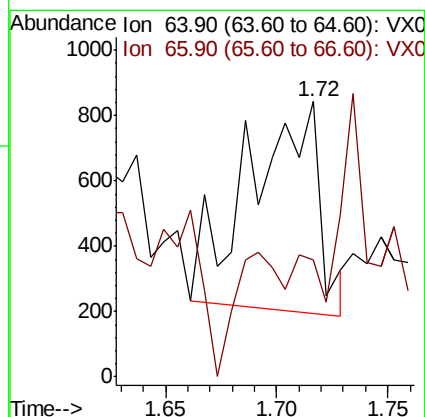
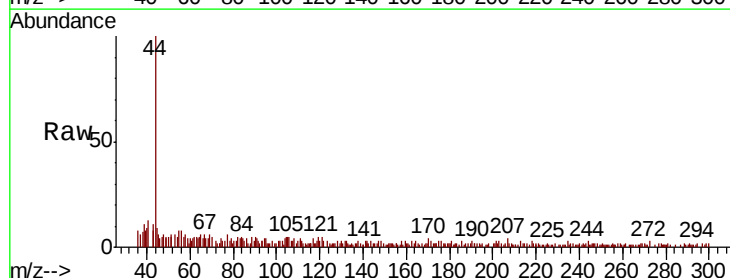
Acq: 16 Apr 2020 16:00

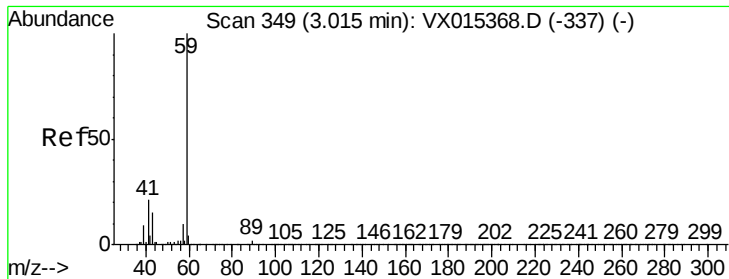
Tgt Ion: 64 Resp: 1403

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

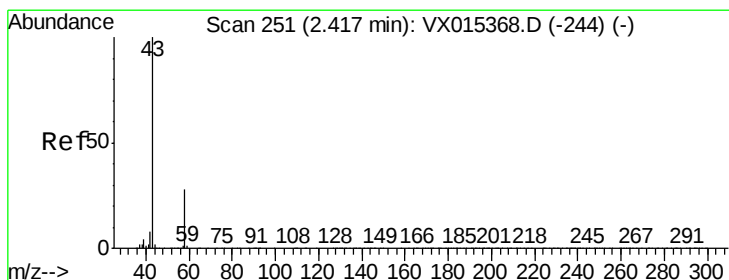
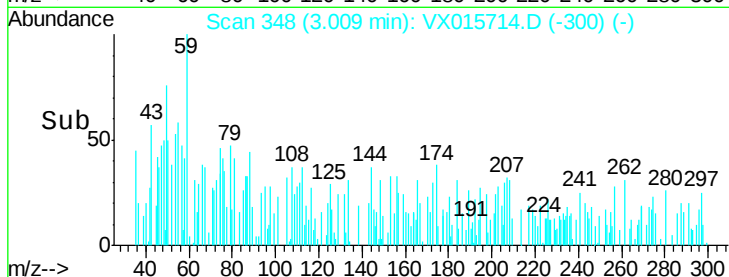
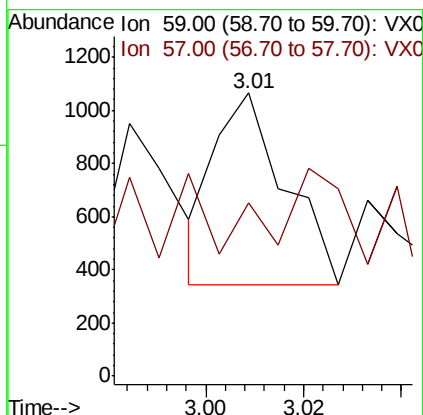
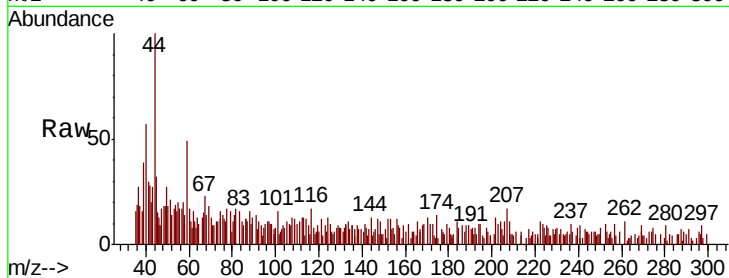




#11
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015714.D
Acq: 16 Apr 2020 16:00

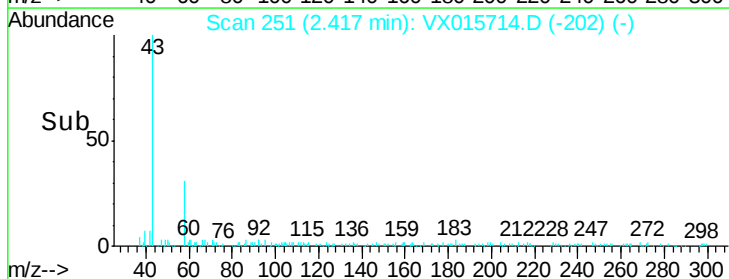
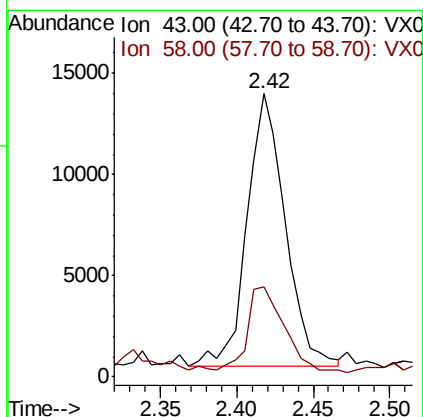
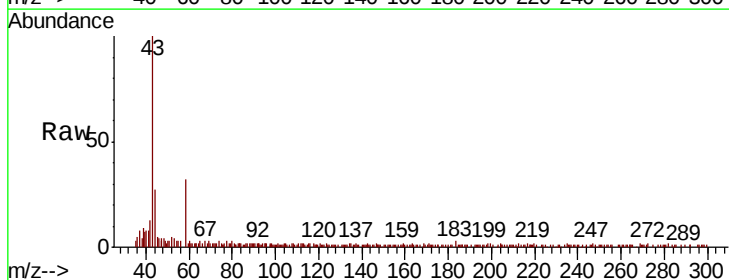
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-278-280

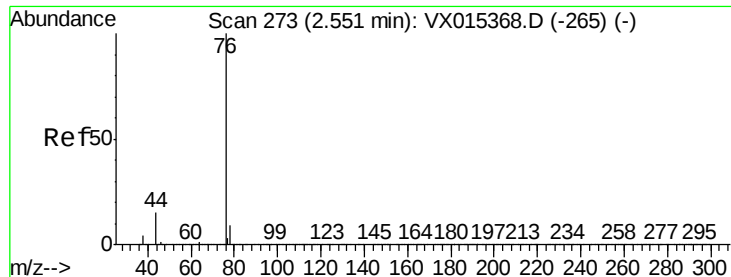
Tot Ion: 59 Resp: 725
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 3.688 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015714.D
Acq: 16 Apr 2020 16:00

Tgt Ion: 43 Resp: 23207
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1





#17

Carbon Disulfide

Concen: 0.304 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

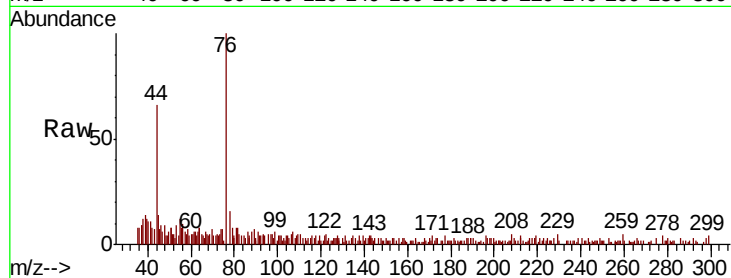
BP-VPB180-GW-278-280

Tot Ion: 76 Resp: 9099

Ion Ratio Lower Upper

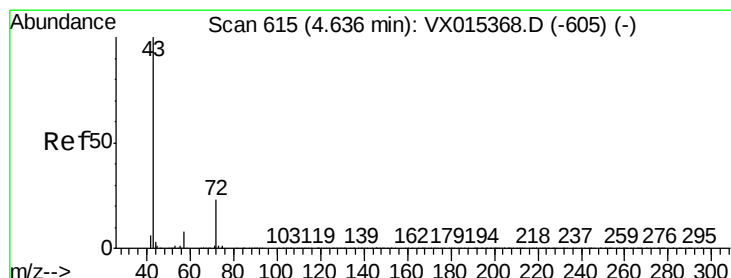
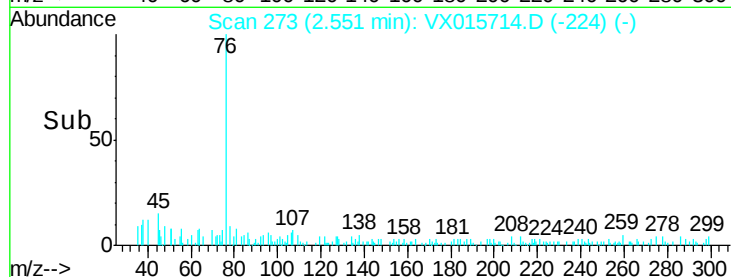
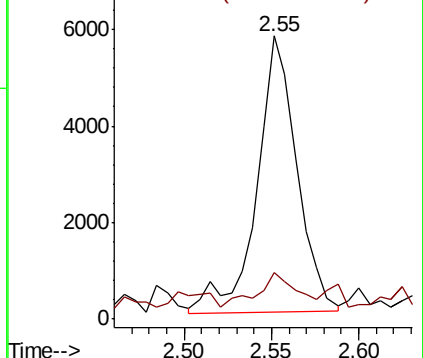
76 100

78 8.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.653 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.03 min

Lab File: VX015714.D

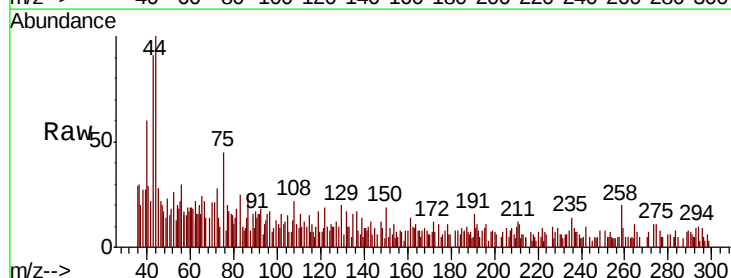
Acq: 16 Apr 2020 16:00

Tgt Ion: 43 Resp: 6607

Ion Ratio Lower Upper

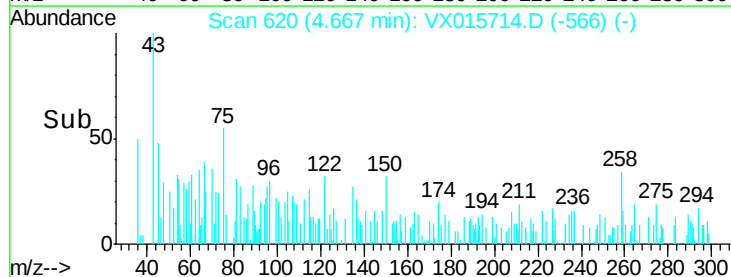
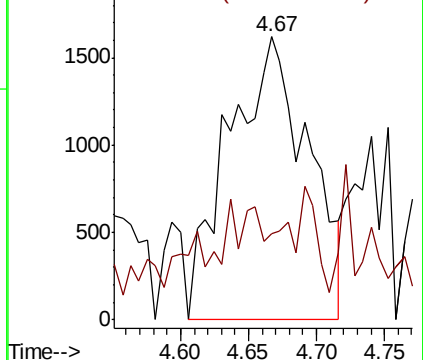
43 100

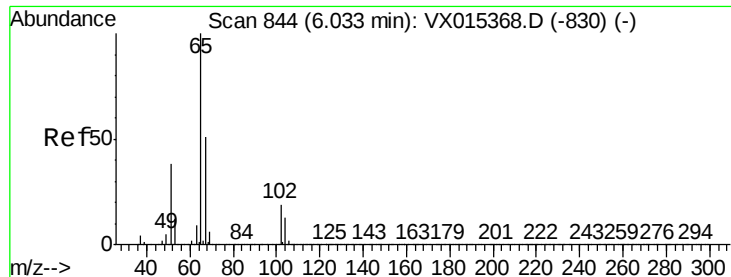
72 7.4 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

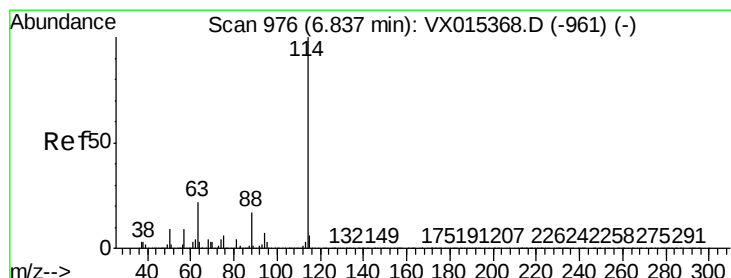
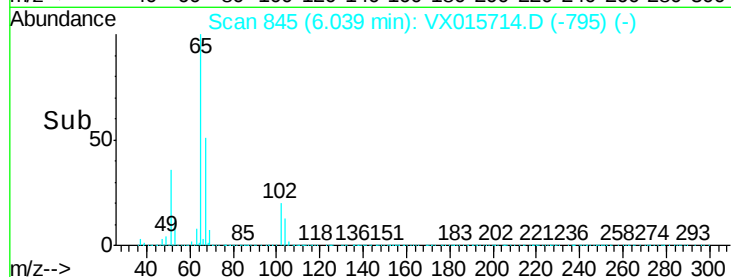
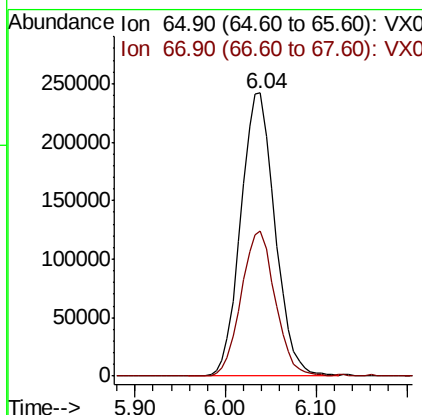
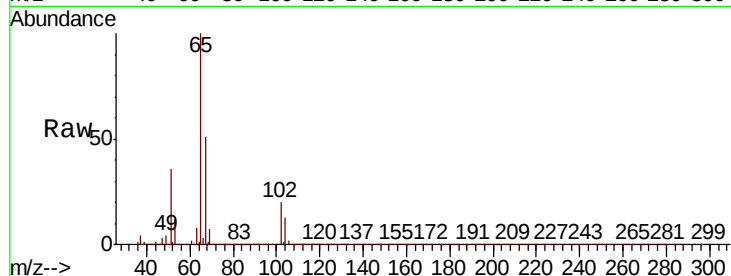




#33
 1,2-Dichloroethane-d4
 Concen: 43.124 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015714.D
 Acq: 16 Apr 2020 16:00

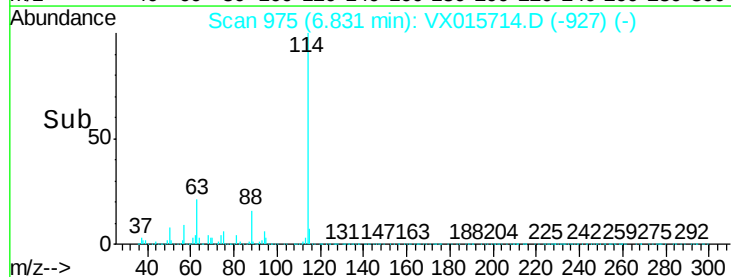
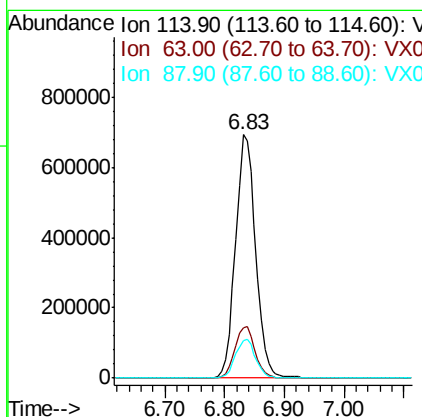
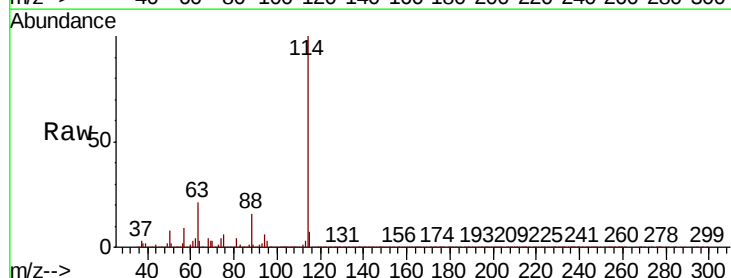
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-278-280

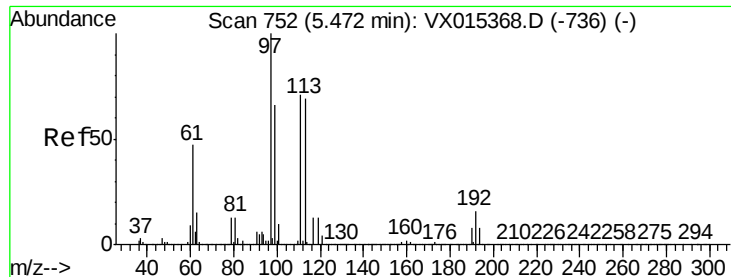
Tot Ion: 65 Resp: 631609
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015714.D
 Acq: 16 Apr 2020 16:00

Tgt Ion: 114 Resp: 1631782
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.2
 88 15.6 0.0 33.8

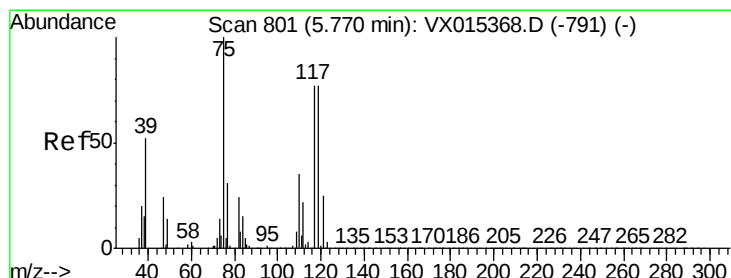
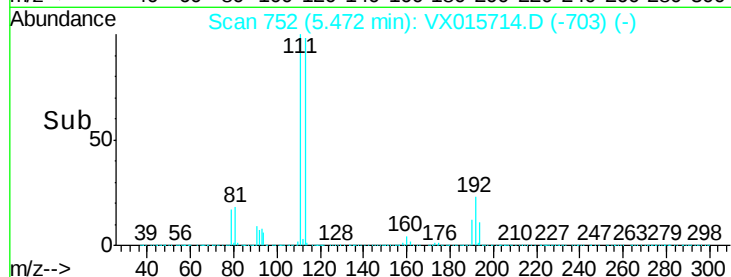
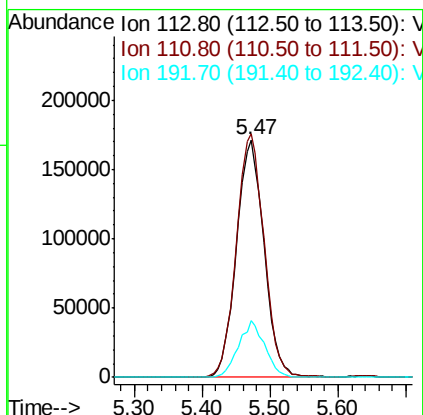
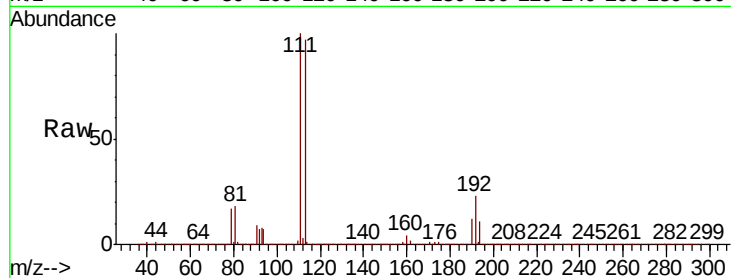




#35
 Dibromofluoromethane
 Concen: 46.197 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015714.D
 Acq: 16 Apr 2020 16:00

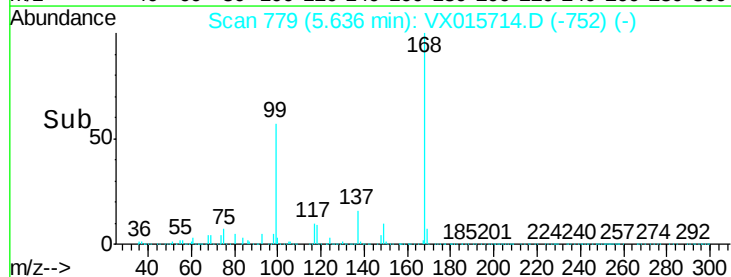
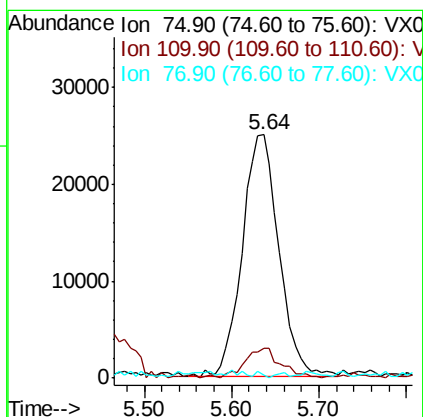
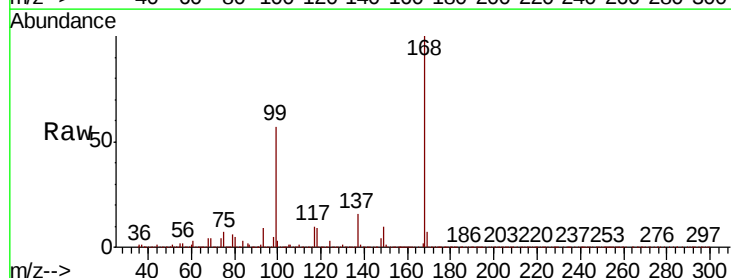
Instrument :
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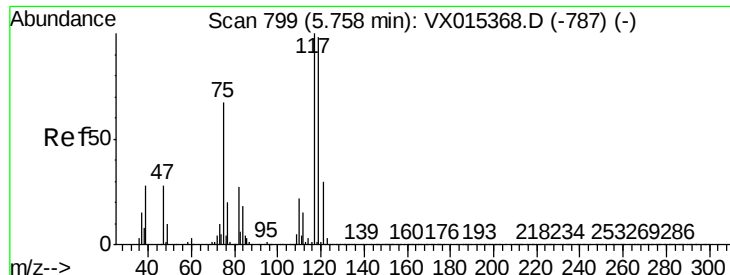
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	22.8	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015714.D
 Acq: 16 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	17.1	51.3#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.830 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-278-280

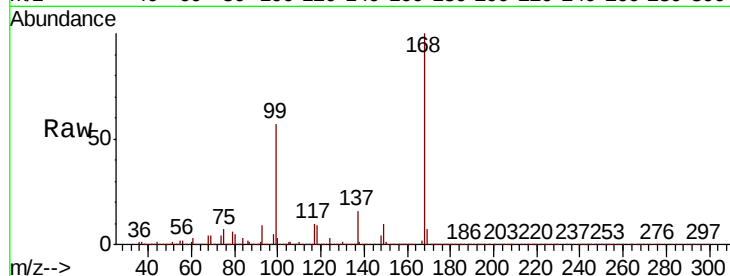
Tot Ion:117 Resp: 94935

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

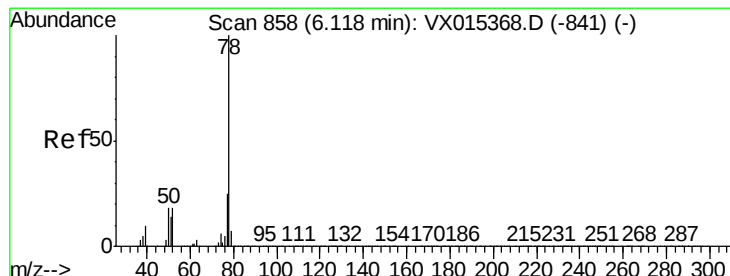
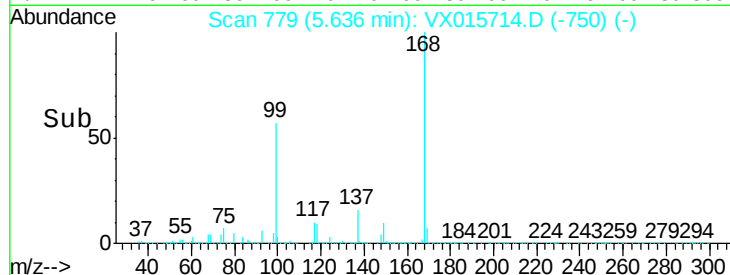
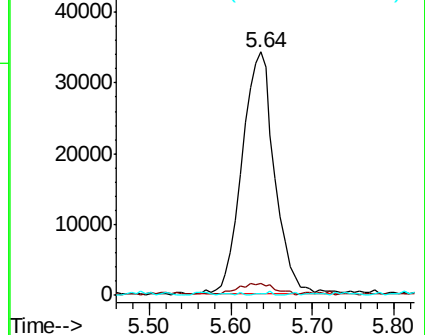
121 0.3 23.8 35.8#



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



#40

Benzene

Concen: 0.298 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015714.D

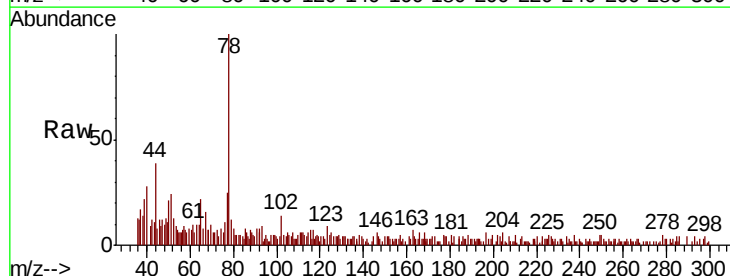
Acq: 16 Apr 2020 16:00

Tgt Ion: 78 Resp: 13109

Ion Ratio Lower Upper

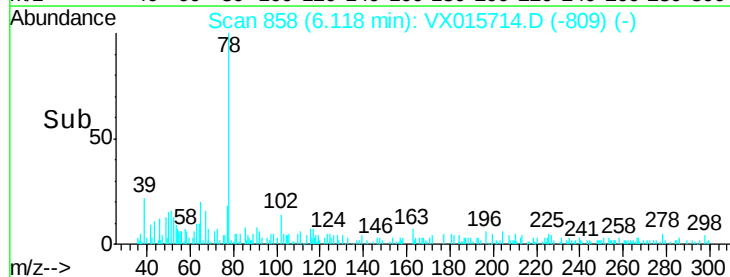
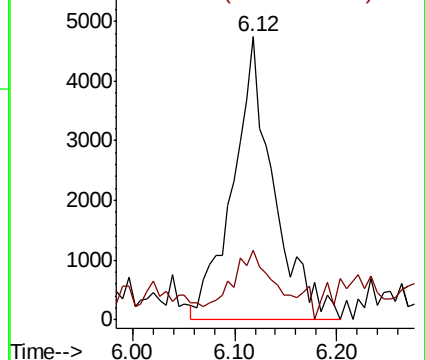
78 100

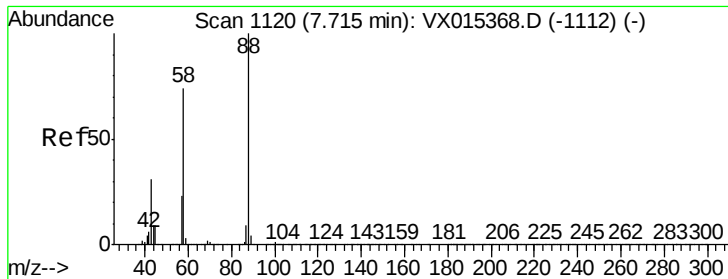
77 19.7 19.8 29.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 2.013 ug/l

RT: 7.69 min Scan# 1116

Delta R.T. -0.02 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-278-280

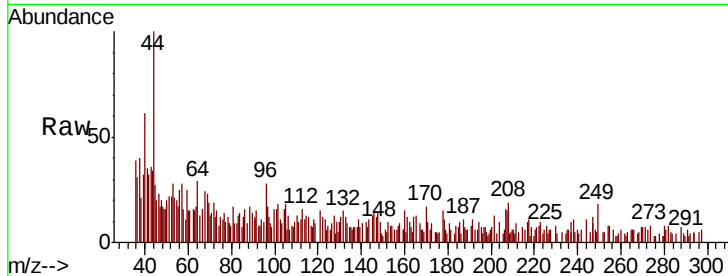
Tot Ion: 88 Resp: 620

Ion Ratio Lower Upper

88 100

43 211.6 30.1 45.1#

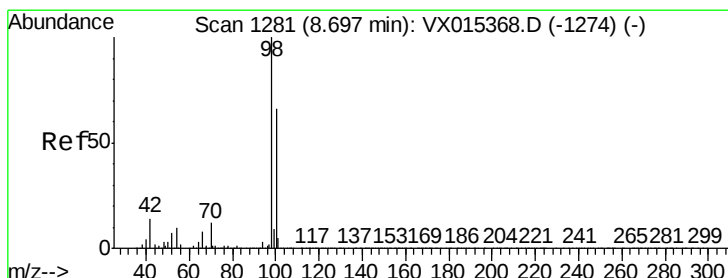
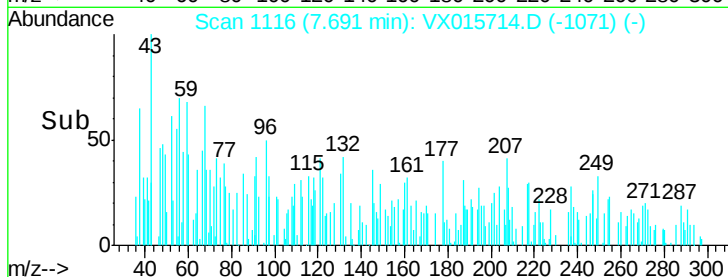
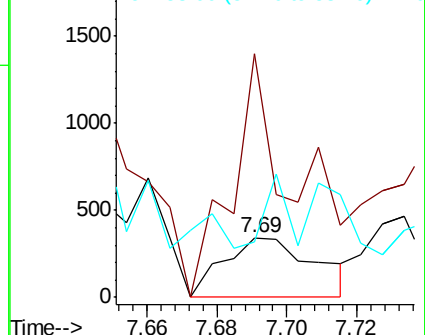
58 55.0 60.6 90.8#



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: 50.034 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015714.D

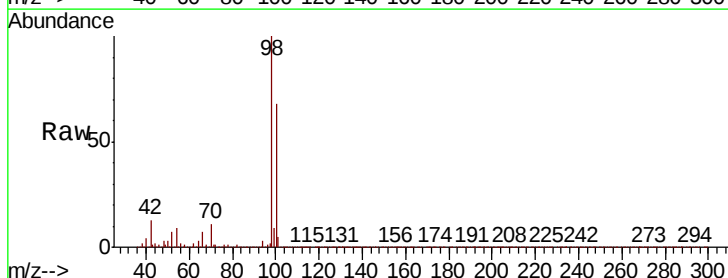
Acq: 16 Apr 2020 16:00

Tgt Ion: 98 Resp: 1921462

Ion Ratio Lower Upper

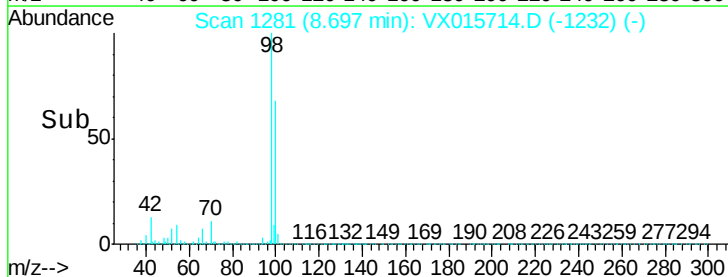
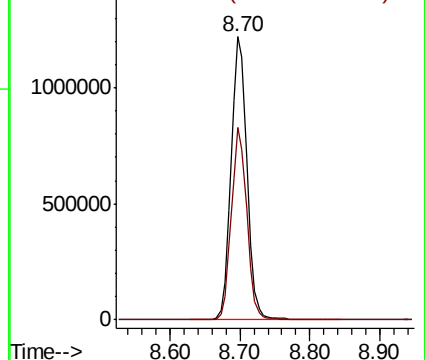
98 100

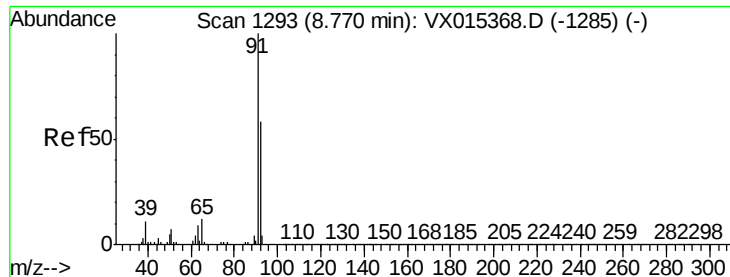
100 66.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.149 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

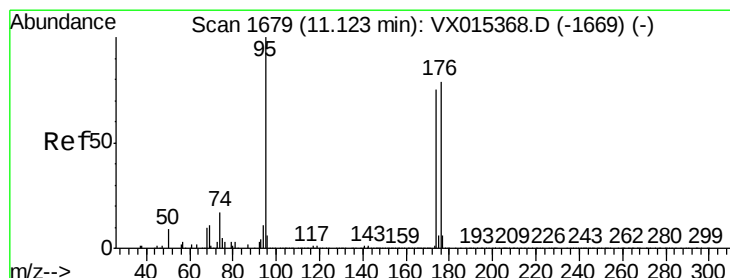
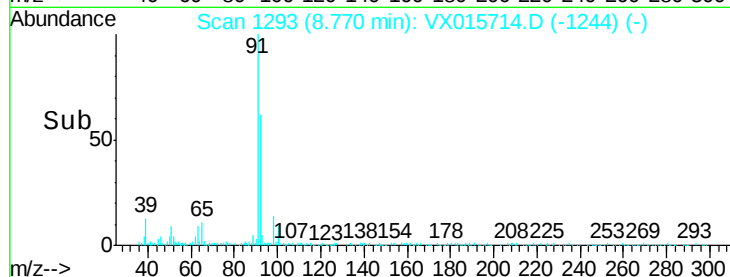
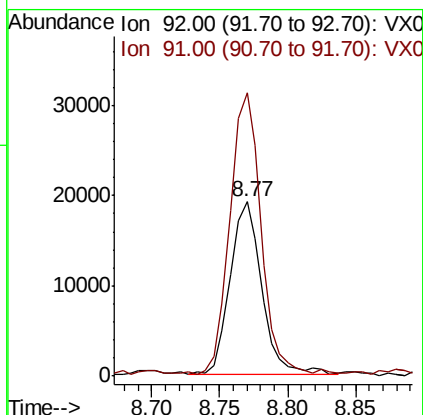
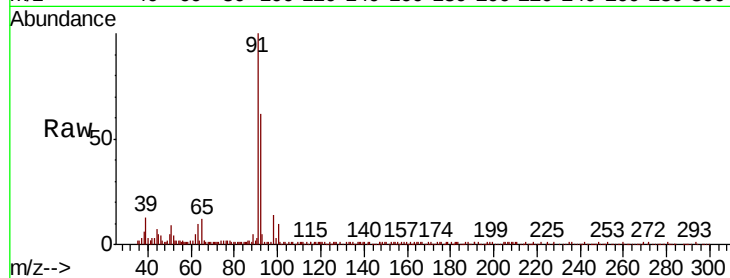
BP-VPB180-GW-278-280

Tot Ion: 92 Resp: 31186

Ion Ratio Lower Upper

92 100

91 156.5 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 51.790 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

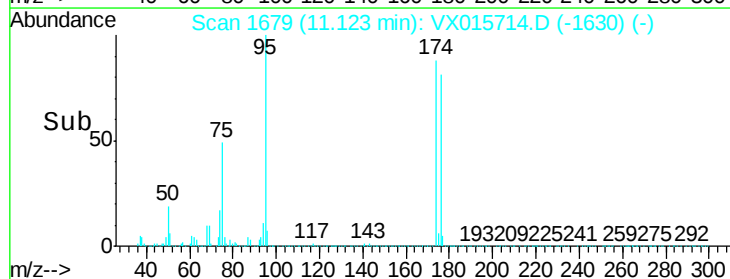
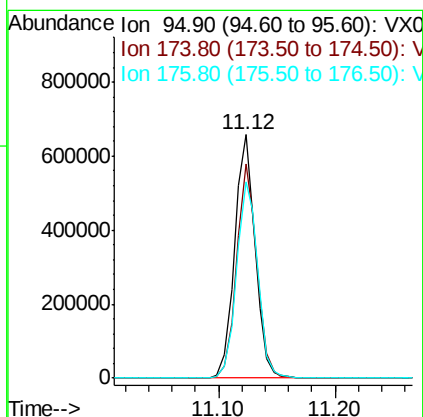
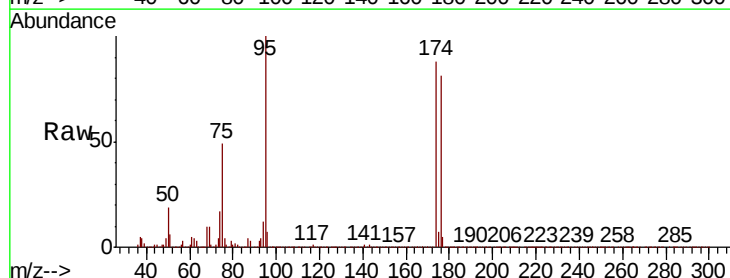
Tgt Ion: 95 Resp: 808304

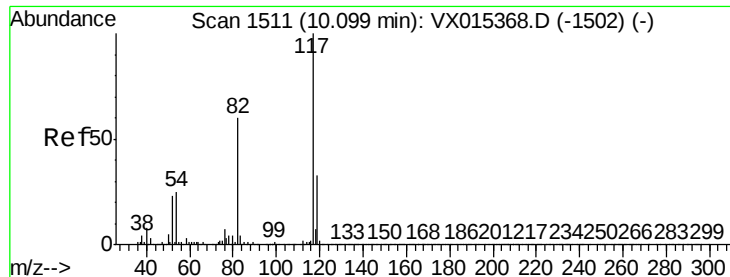
Ion Ratio Lower Upper

95 100

174 86.2 0.0 158.6

176 82.9 0.0 159.0

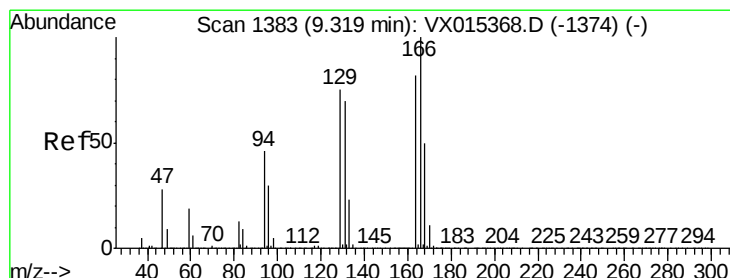
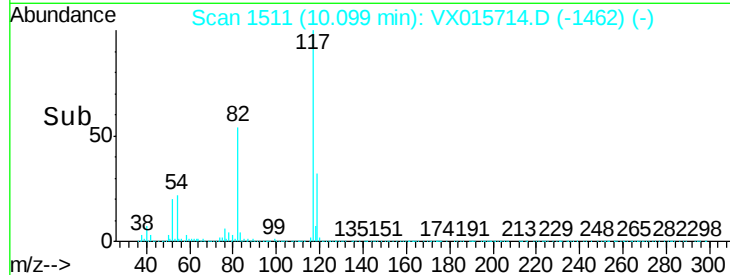
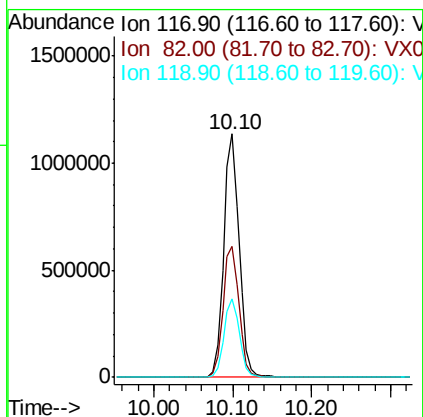
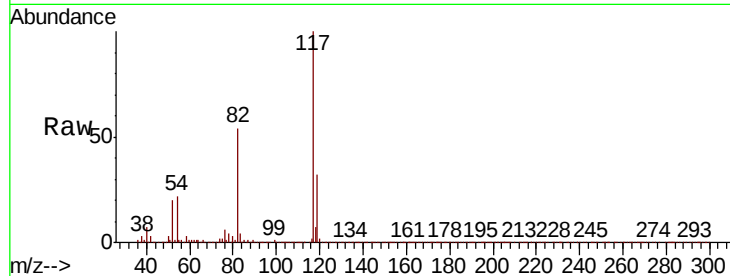




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015714.D
Acq: 16 Apr 2020 16:00

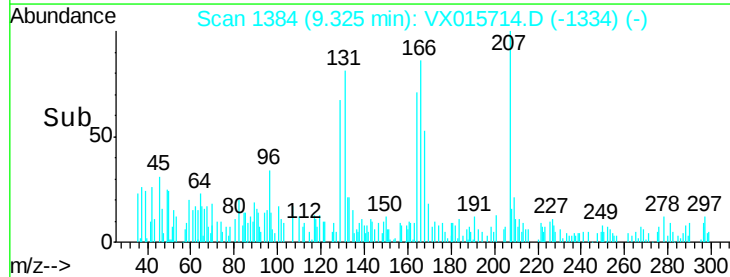
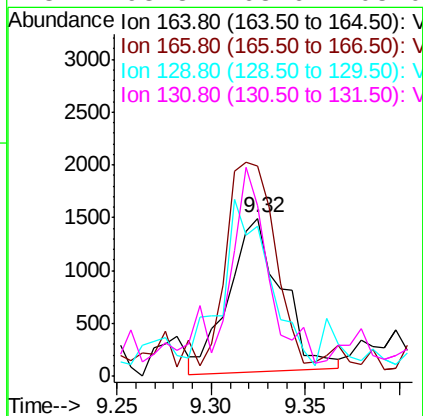
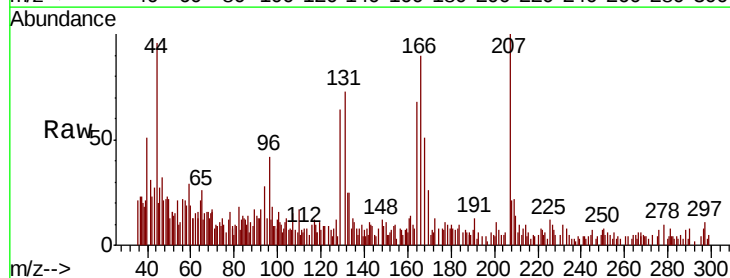
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-278-280

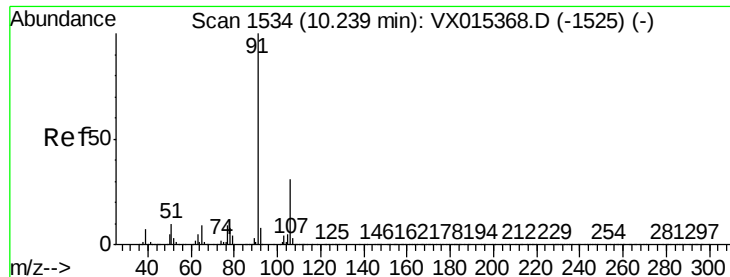
Tot Ion:117 Resp: 1542487
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.8
119 32.2 26.8 40.2



#64
Tetrachloroethene
Concen: 0.244 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015714.D
Acq: 16 Apr 2020 16:00

Tgt Ion:164 Resp: 2840
Ion Ratio Lower Upper
164 100
166 125.9 97.8 146.6
129 82.6 73.0 109.4
131 98.8 68.6 103.0





#67

Ethyl Benzene

Concen: 0.318 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

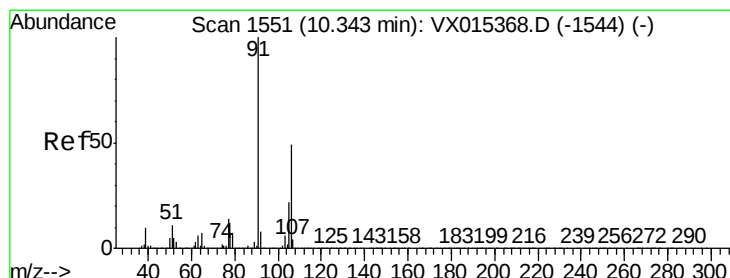
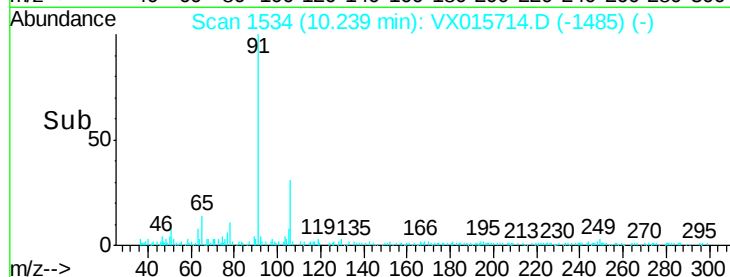
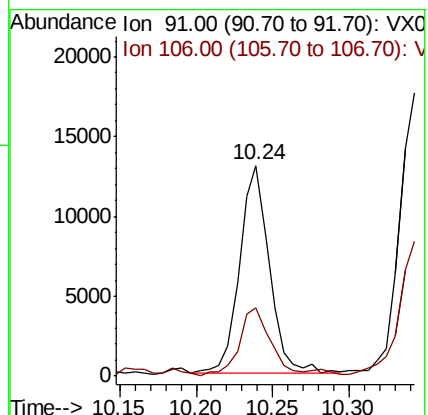
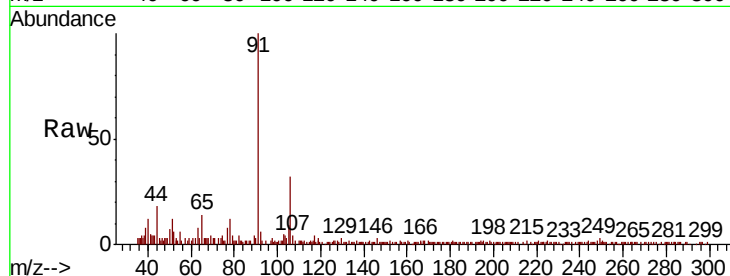
BP-VPB180-GW-278-280

Tot Ion: 91 Resp: 17343

Ion Ratio Lower Upper

91 100

106 32.0 24.8 37.2



#68

m/p-Xylenes

Concen: 0.614 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015714.D

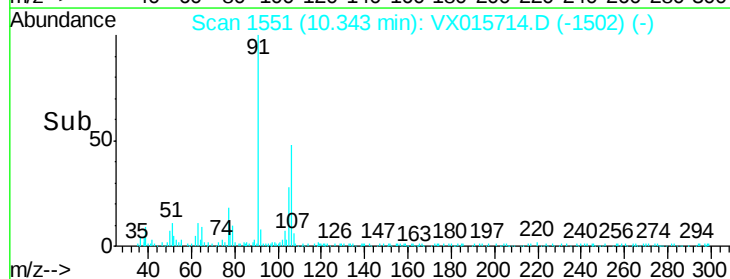
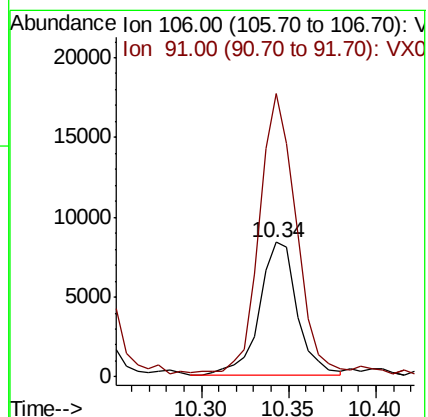
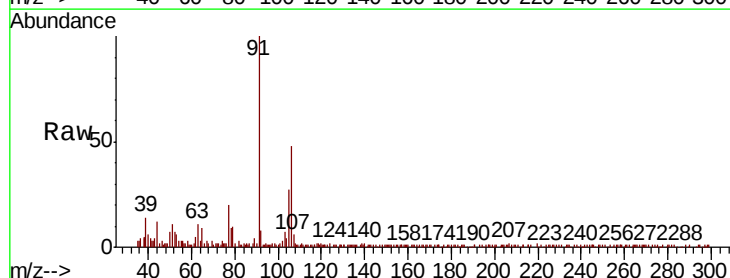
Acq: 16 Apr 2020 16:00

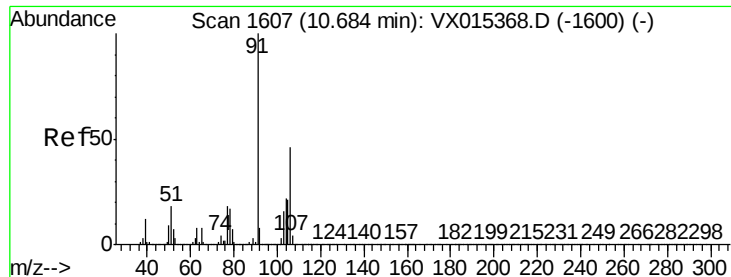
Tgt Ion: 106 Resp: 12468

Ion Ratio Lower Upper

106 100

91 198.2 163.4 245.0

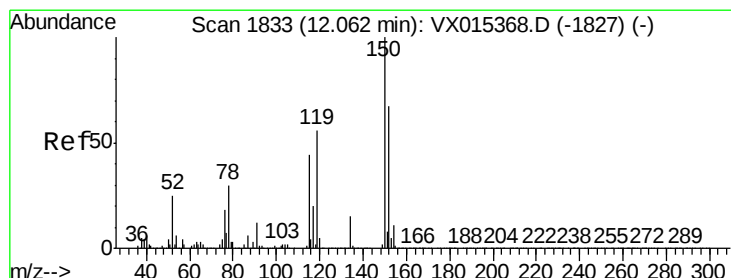
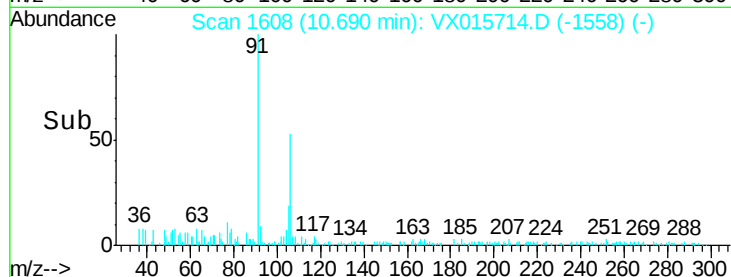
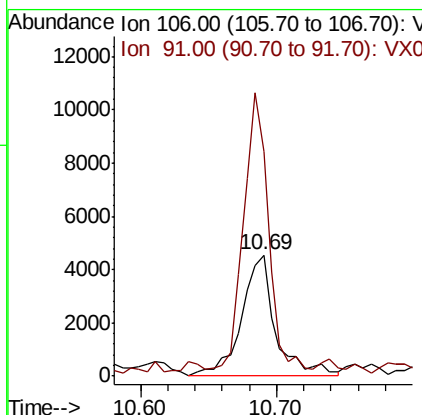
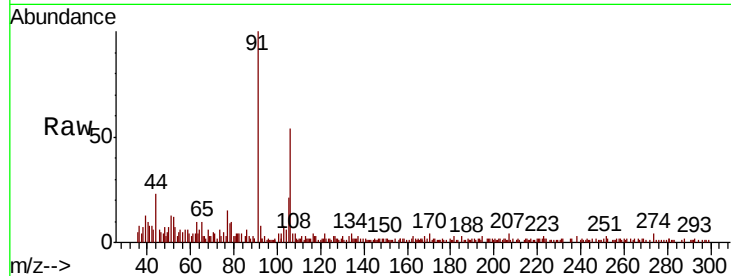




#69
o-Xylene
Concen: 0.398 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VX015714.D
Acq: 16 Apr 2020 16:00

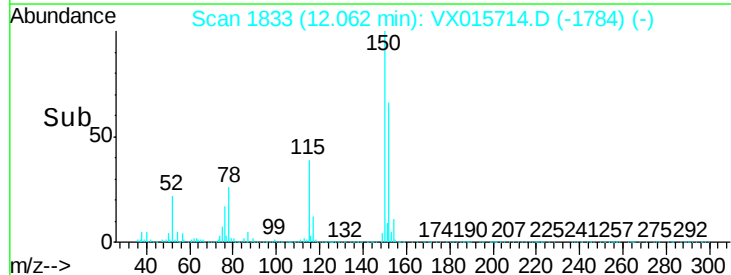
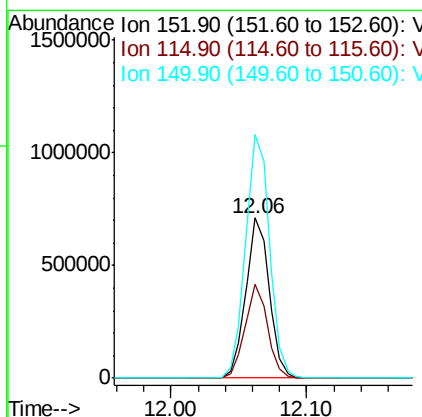
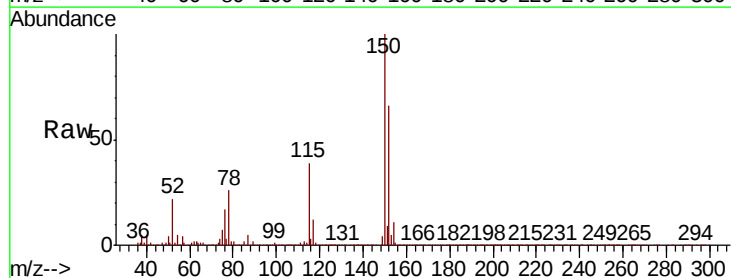
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-278-280

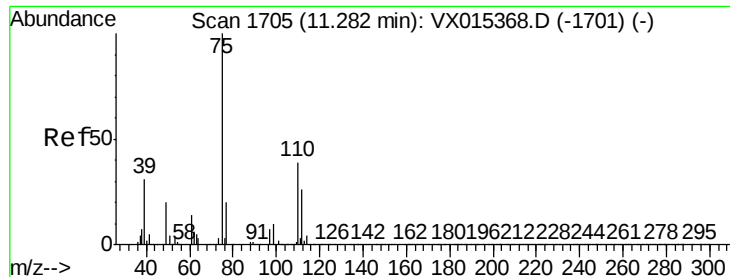
Tot Ion:106 Resp: 7995
Ion Ratio Lower Upper
106 100
91 162.3 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015714.D
Acq: 16 Apr 2020 16:00

Tgt Ion:152 Resp: 857079
Ion Ratio Lower Upper
152 100
115 56.3 39.0 116.9
150 156.1 0.0 340.8

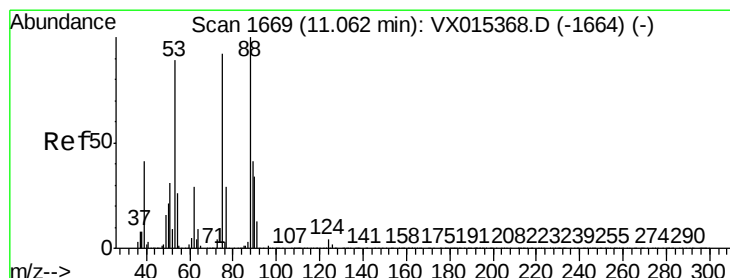
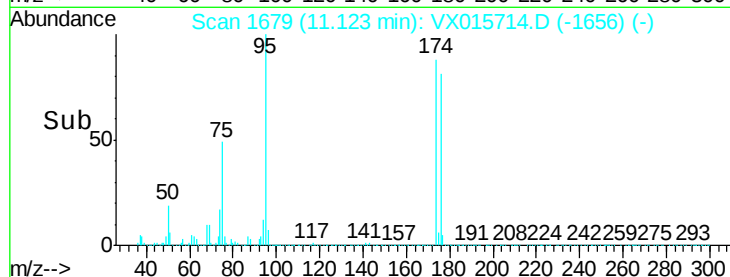
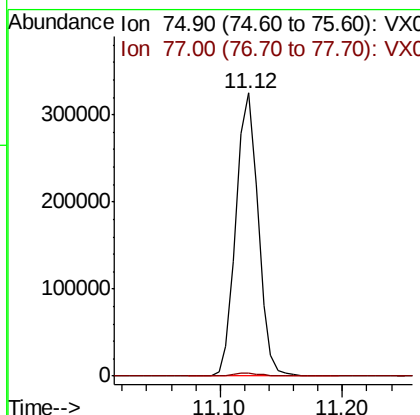
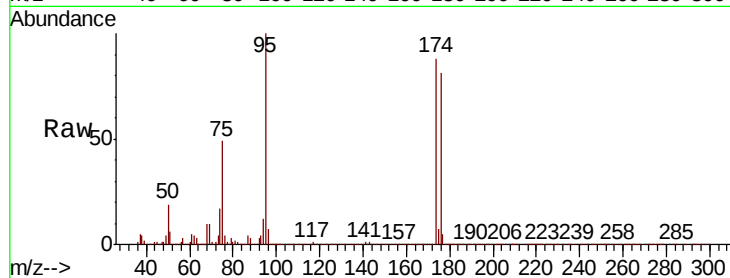




#76
 1,2,3-Trichloropropane
 Concen: 23.086 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015714.D
 Acq: 16 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-278-280

Tot Ion: 75 Resp: 406903
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.395 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015714.D
 Acq: 16 Apr 2020 16:00

Tgt Ion: 75 Resp: 406903
 Ion Ratio Lower Upper
 75 100
 53 0.6 80.1 120.1#
 89 0.1 36.1 54.1#

