

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041020\
 Data File : VX015633.D
 Acq On : 10 Apr 2020 19:42
 Operator : JC/SP
 Sample : L2196-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-148-150

Quant Time: Apr 11 00:35:55 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	1099856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1667601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1625093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	907385	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	696494	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
35) Dibromofluoromethane	5.47	113	510471	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	8.70	98	2000759	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	856169	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	

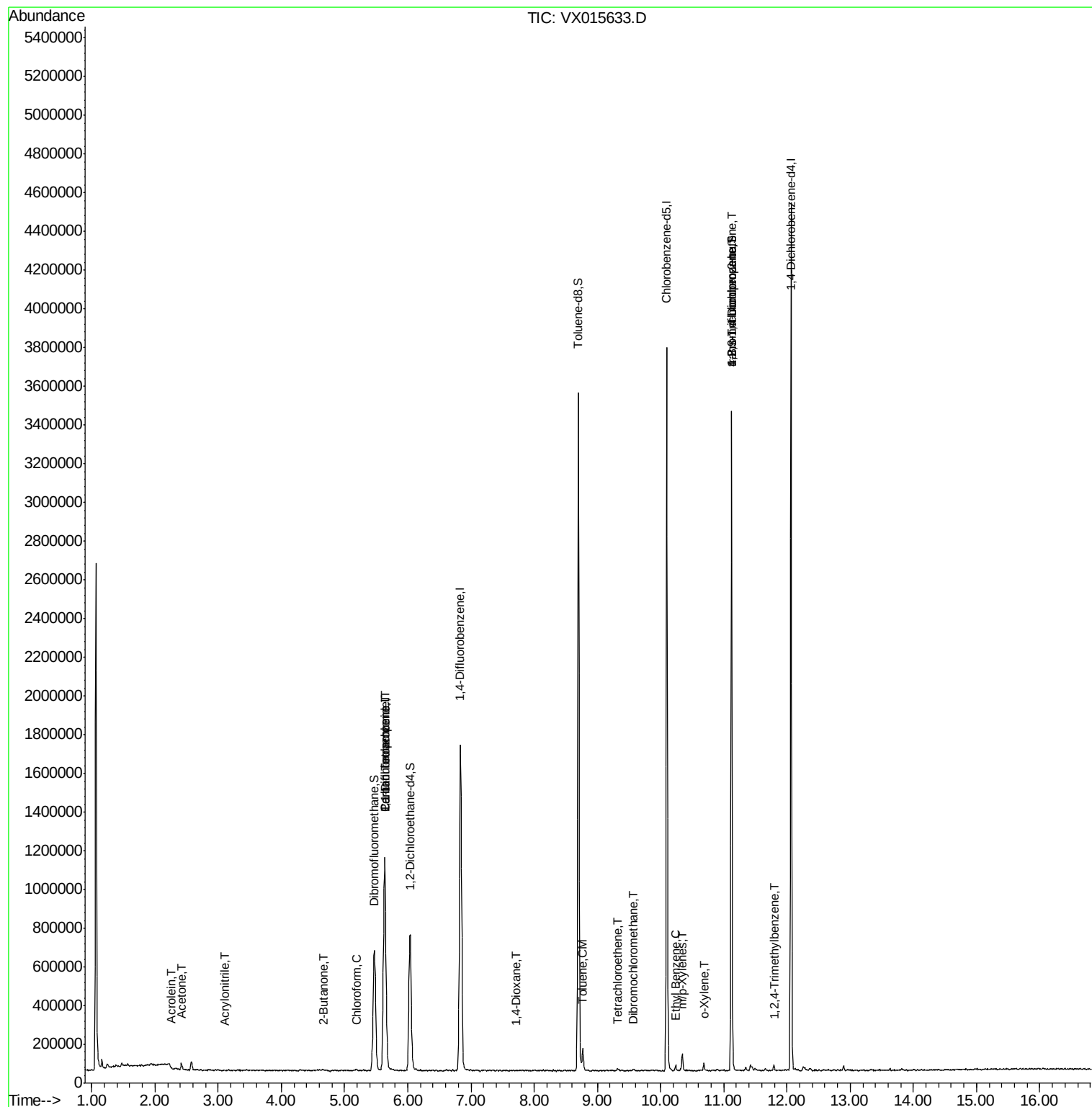
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	774	Below Cal	#	80
13) Acrolein	2.26	56	715	0.338	ug/l #	74
15) Acrylonitrile	3.11	53	2104	0.297	ug/l #	33
16) Acetone	2.42	43	33696	5.056	ug/l	95
25) 2-Butanone	4.66	43	5990	0.559	ug/l	97
30) Chloroform	5.19	83	7872	0.361	ug/l	89
36) 1,1-Dichloropropene	5.64	75	79083	5.147	ug/l #	52
38) Carbon Tetrachloride	5.63	117	101731	6.113	ug/l #	14
49) 1,4-Dioxane	7.73	88	259	0.823	ug/l #	1
52) Toluene	8.77	92	41227	1.486	ug/l	93
60) Dibromochloromethane	9.57	129	2947	0.216	ug/l	85
64) Tetrachloroethene	9.32	164	2470	0.201	ug/l #	85
67) Ethyl Benzene	10.24	91	18471	0.321	ug/l	97
68) m/p-Xylenes	10.34	106	20799	0.972	ug/l	96
69) o-Xylene	10.68	106	9929	0.469	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	445850	23.894	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	445850	57.332	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.79	105	16330	0.316	ug/l	98

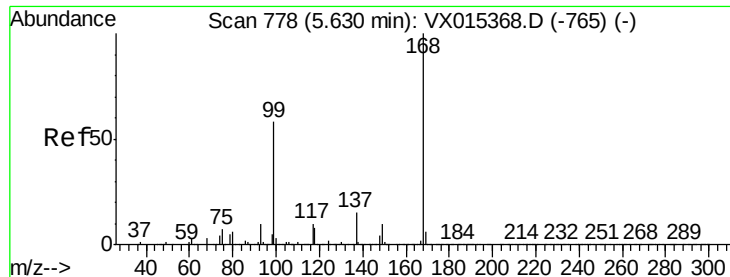
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015633.D

Acq: 10 Apr 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

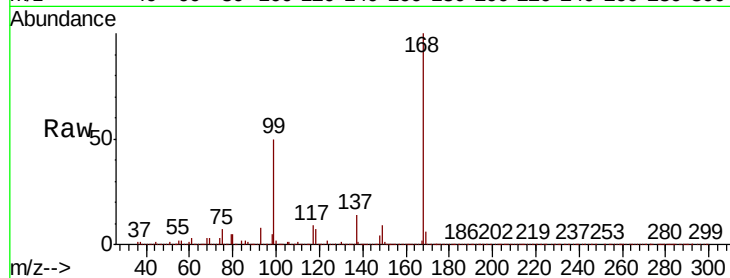
BP-VPB180-GW-148-150

Tot Ion:168 Resp: 1099856

Ion Ratio Lower Upper

168 100

99 50.1 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

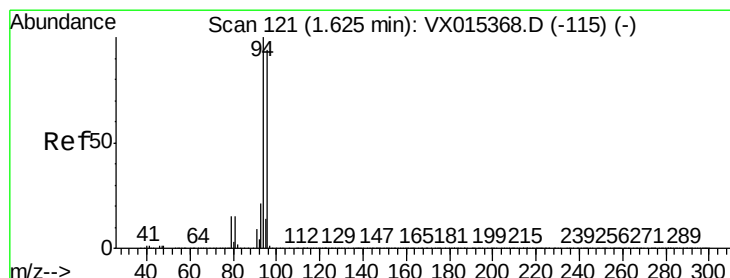
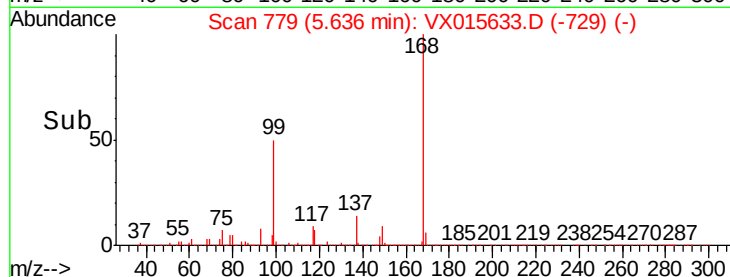
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015633.D

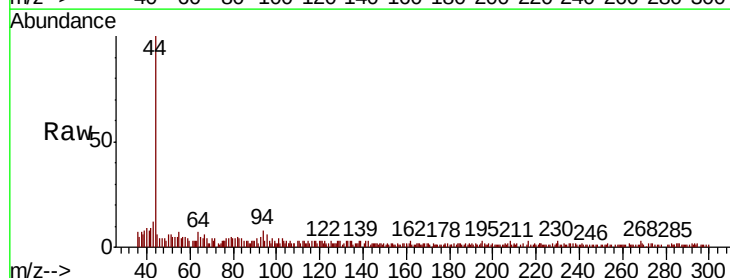
Acq: 10 Apr 2020 19:42

Tgt Ion: 94 Resp: 774

Ion Ratio Lower Upper

94 100

96 112.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

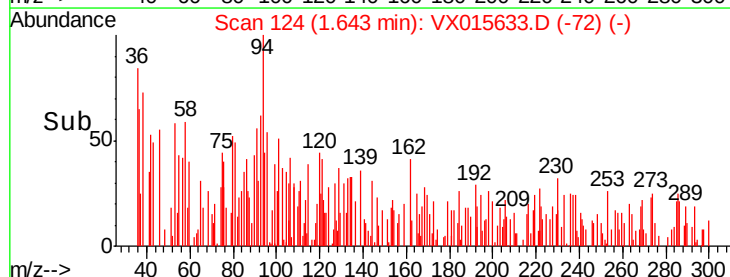
400

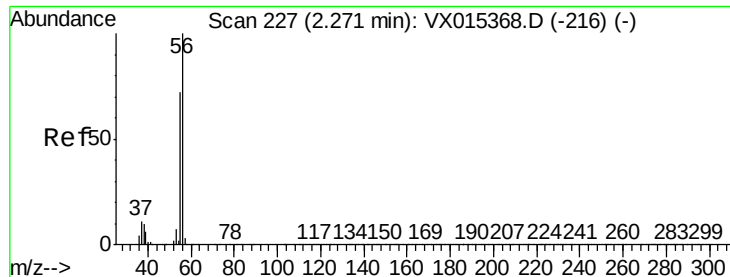
200

0

1.62 1.64 1.66

Time-->

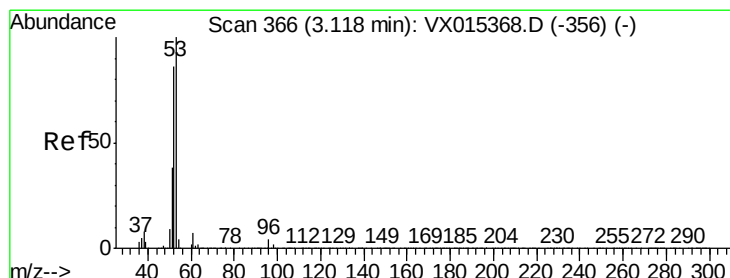
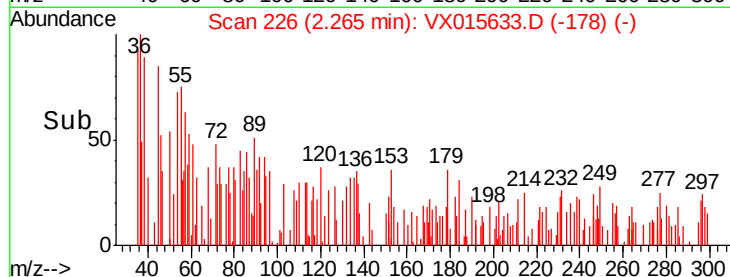
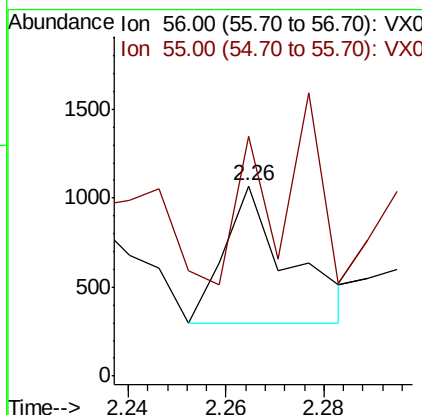
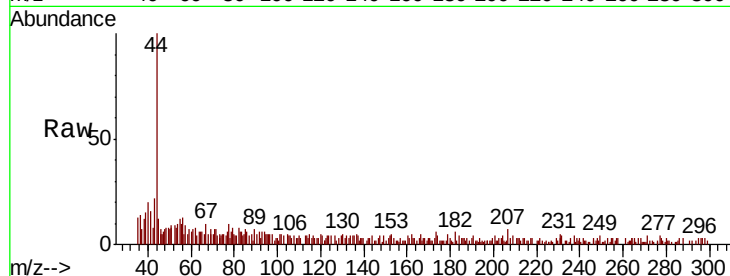




#13
Acrolein
Concen: 0.338 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015633.D
Acq: 10 Apr 2020 19:42

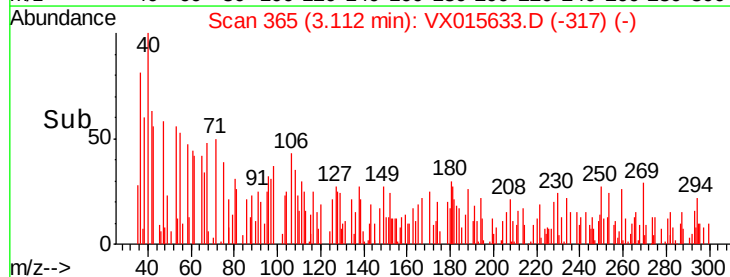
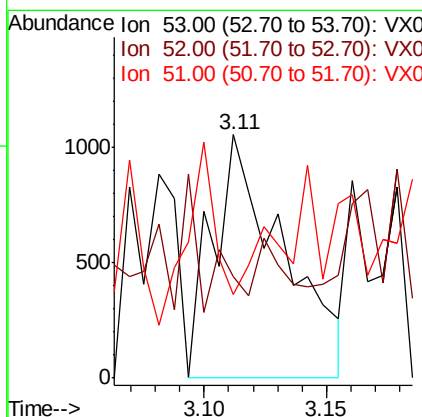
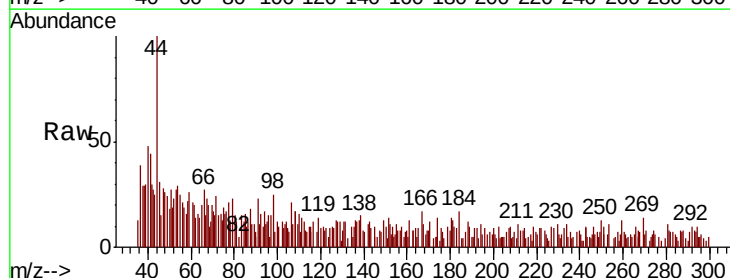
Instrument :
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ClientSampleId :
BP-VPB180-GW-148-150

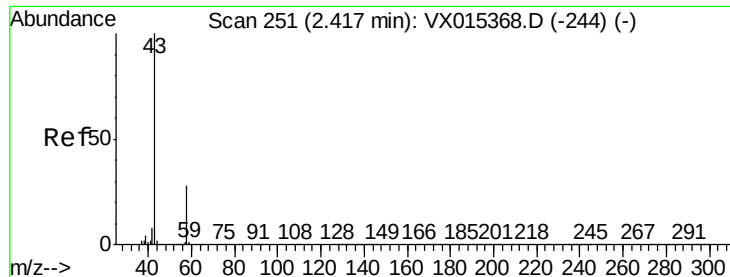
Tot Ion: 56 Resp: 715
Ion Ratio Lower Upper
56 100
55 50.1 57.0 85.4#



#15
Acrylonitrile
Concen: 0.297 ug/l
RT: 3.11 min Scan# 365
Delta R.T. -0.01 min
Lab File: VX015633.D
Acq: 10 Apr 2020 19:42

Tgt Ion: 53 Resp: 2104
Ion Ratio Lower Upper
53 100
52 0.0 66.8 100.2#
51 31.6 29.5 44.3





#16

Acetone

Concen: 5.056 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015633.D

Acq: 10 Apr 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

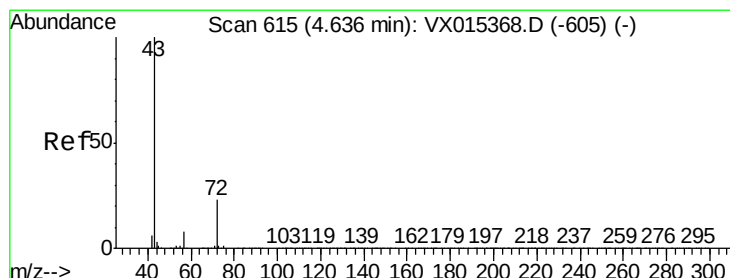
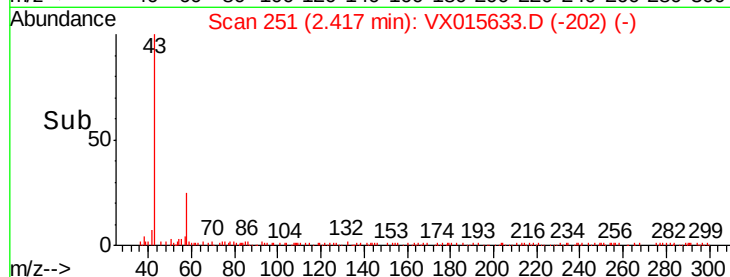
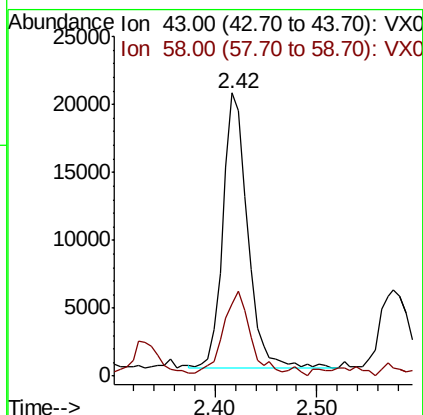
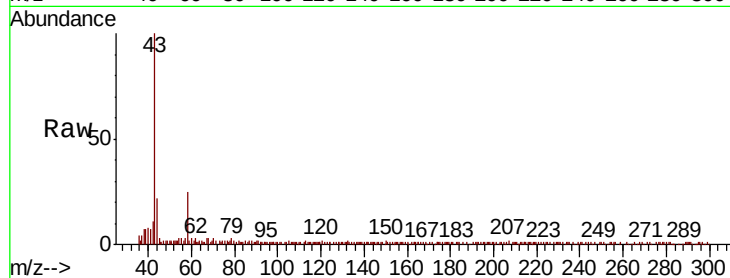
BP-VPB180-GW-148-150

Tot Ion: 43 Resp: 33696

Ion Ratio Lower Upper

43 100

58 25.1 22.1 33.1



#25

2-Butanone

Concen: 0.559 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015633.D

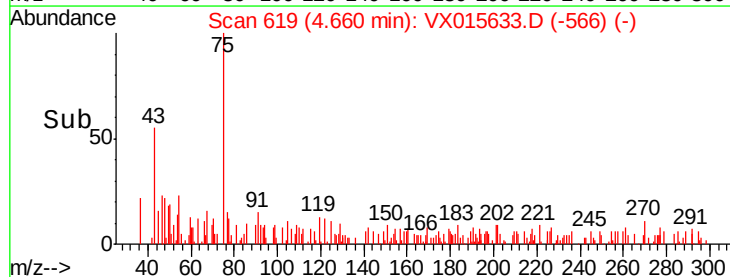
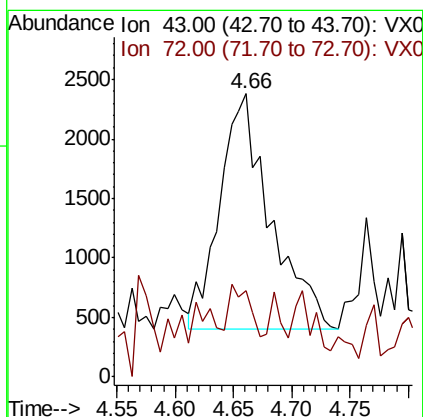
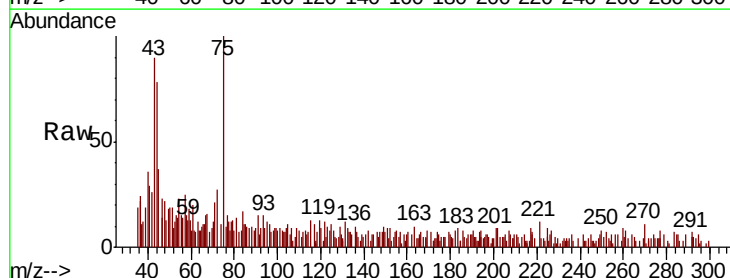
Acq: 10 Apr 2020 19:42

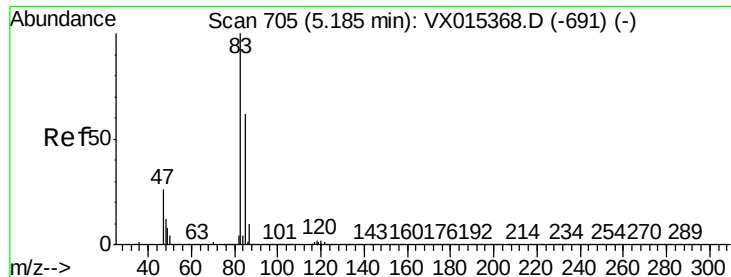
Tgt Ion: 43 Resp: 5990

Ion Ratio Lower Upper

43 100

72 22.3 19.0 28.4

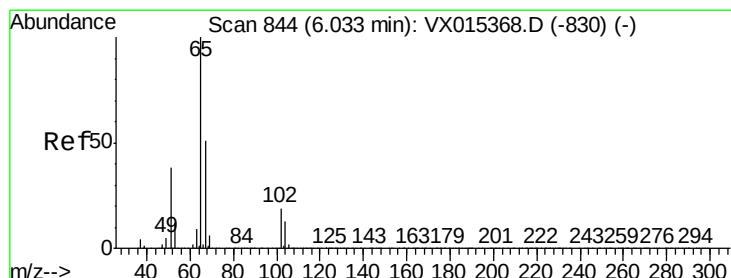
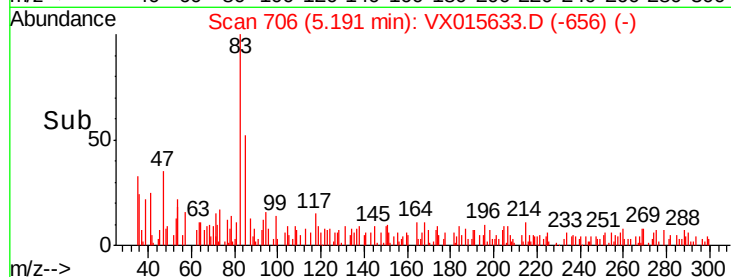
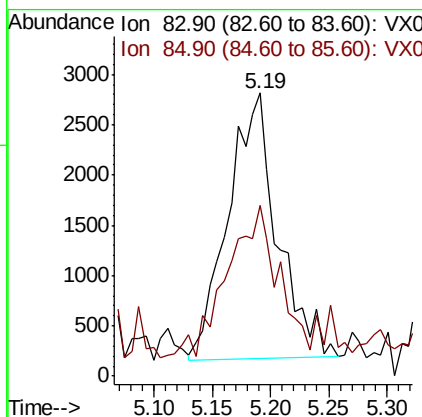
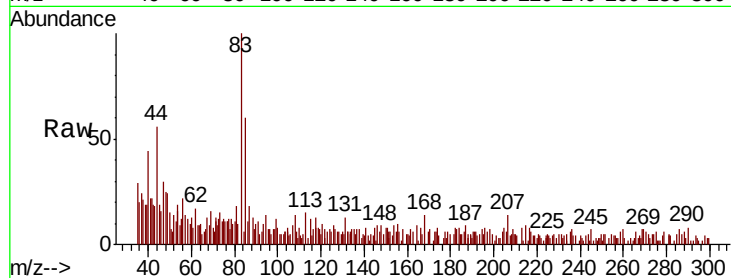




#30
Chloroform
Concen: 0.361 ug/l
RT: 5.19 min Scan# 706
Delta R.T. 0.01 min
Lab File: VX015633.D
Acq: 10 Apr 2020 19:42

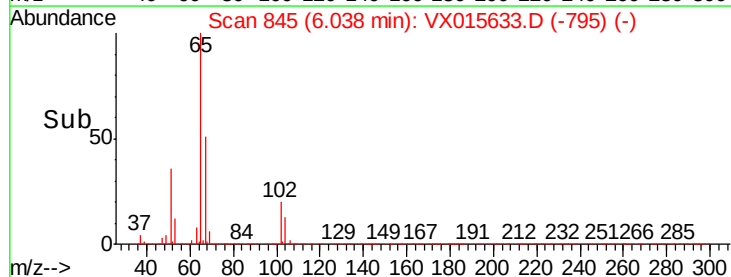
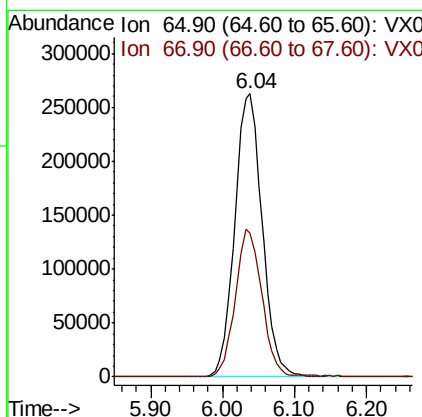
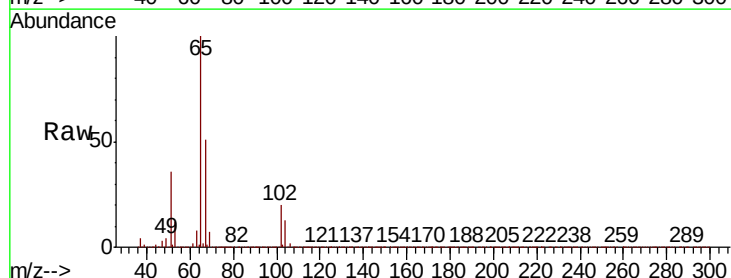
Instrument :
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ClientSampleId :
BP-VPB180-GW-148-150

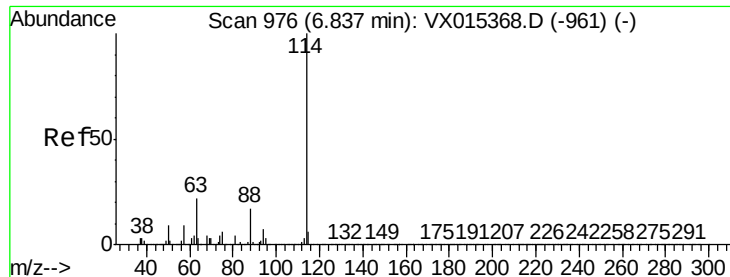
Tot Ion: 83 Resp: 7872
Ion Ratio Lower Upper
83 100
85 53.7 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 44.900 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015633.D
Acq: 10 Apr 2020 19:42

Tgt Ion: 65 Resp: 696494
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.6

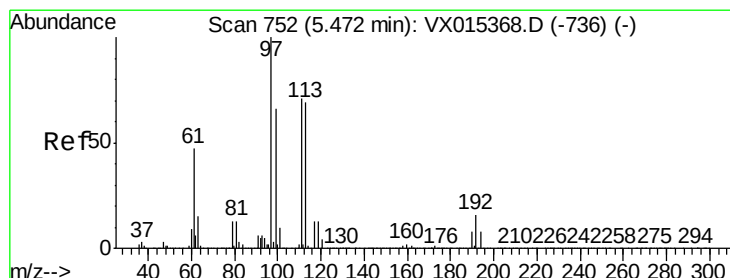
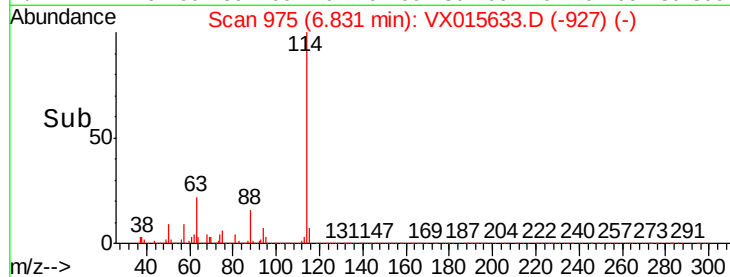
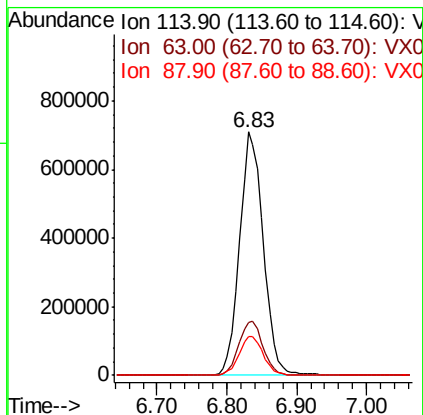
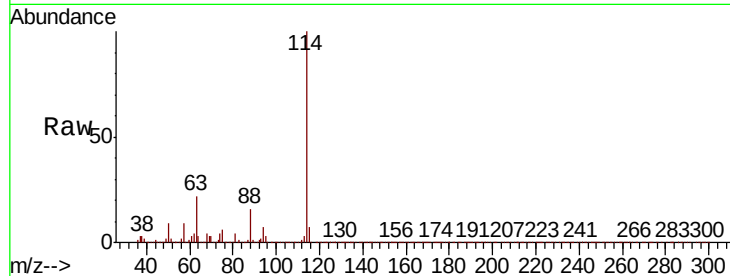




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015633.D
 Acq: 10 Apr 2020 19:42

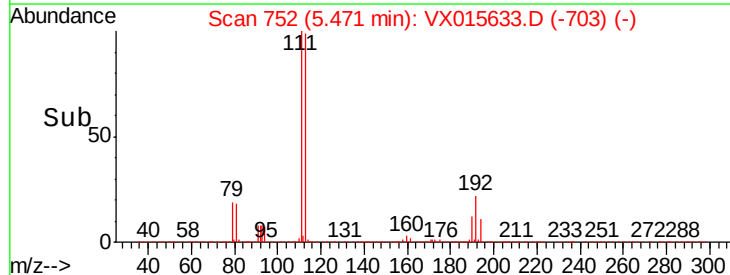
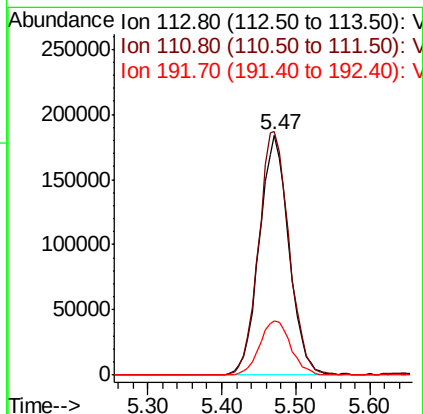
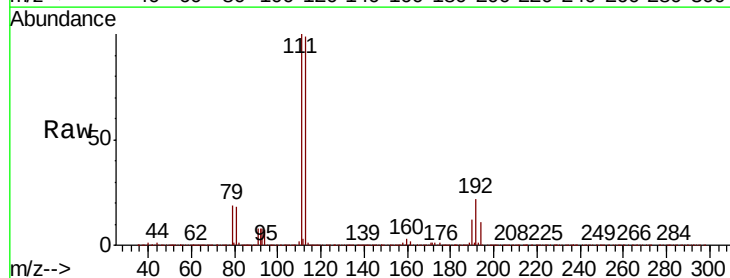
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-148-150

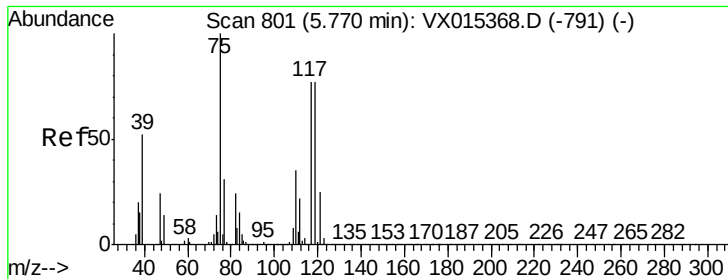
Tot Ion:114 Resp: 1667601
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.2
 88 16.0 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 47.888 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015633.D
 Acq: 10 Apr 2020 19:42

Tgt Ion:113 Resp: 510471
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.5 122.3
 192 23.5 17.8 26.6

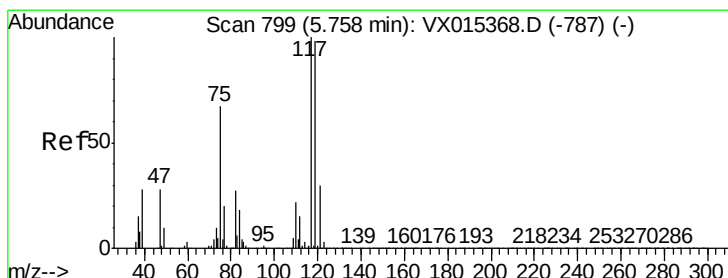
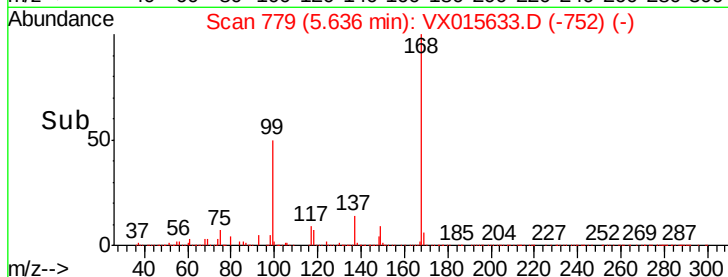
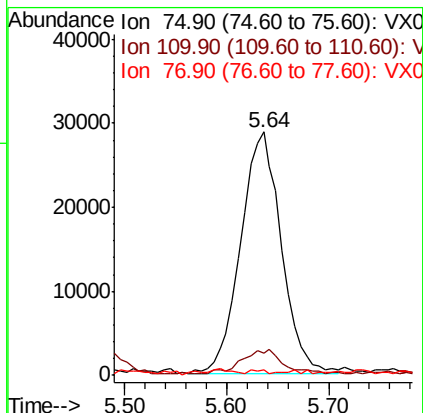
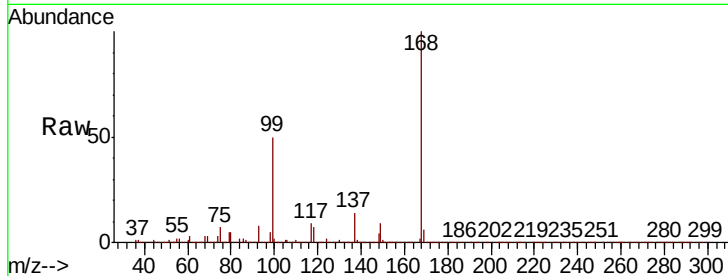




#36
 1,1-Dichloropropene
 Concen: 5.147 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015633.D
 Acq: 10 Apr 2020 19:42

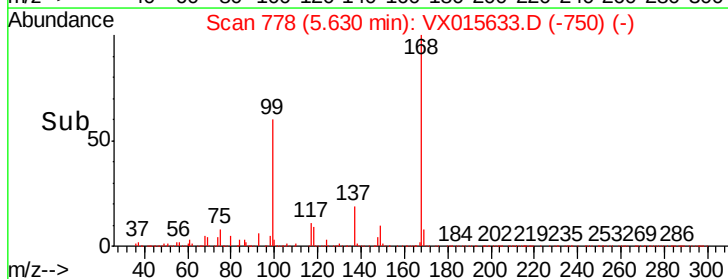
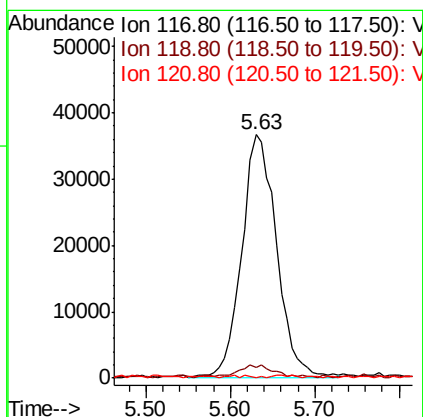
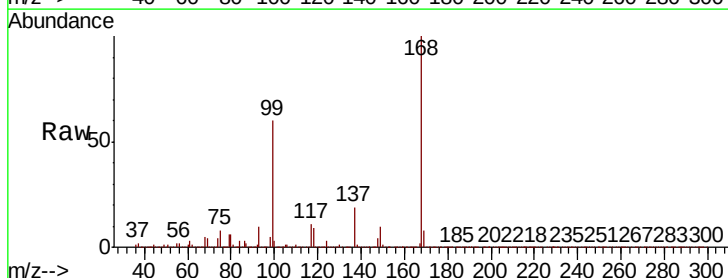
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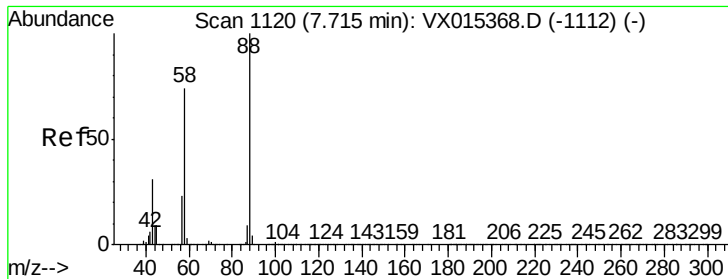
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.1	51.3#
77	0.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.113 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015633.D
 Acq: 10 Apr 2020 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	78.0	117.0#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 0.823 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015633.D

Acq: 10 Apr 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-148-150

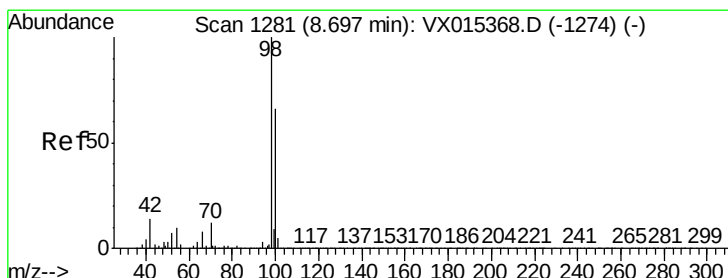
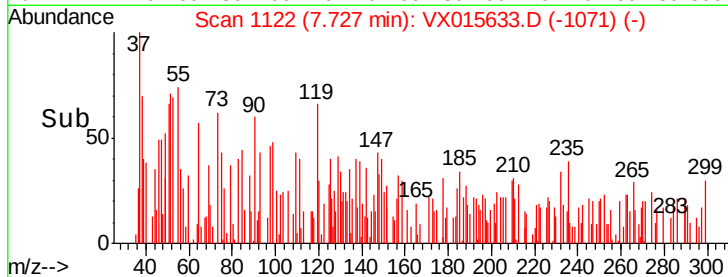
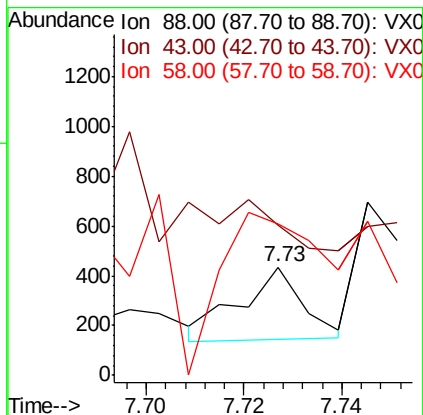
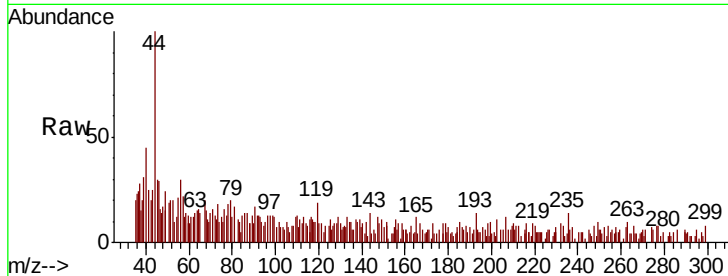
Tot Ion: 88 Resp: 259

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 565.3 60.6 90.8#



#50

Toluene-d8

Concen: 50.979 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015633.D

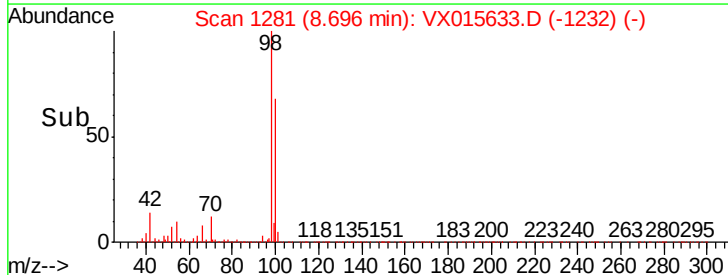
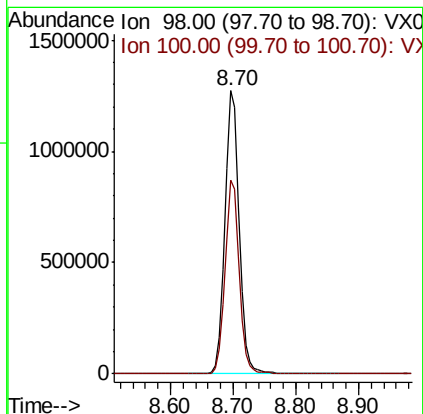
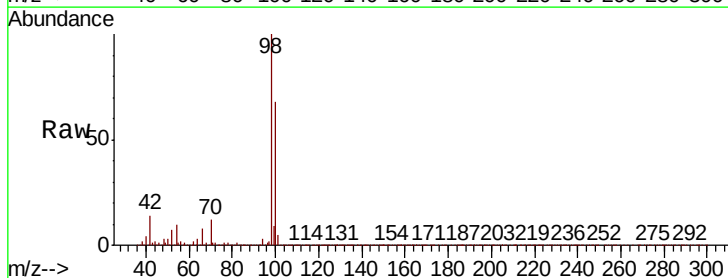
Acq: 10 Apr 2020 19:42

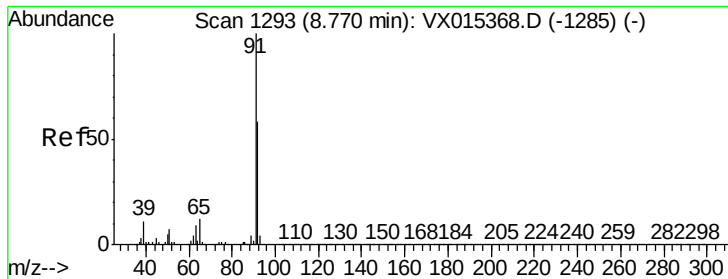
Tgt Ion: 98 Resp: 2000759

Ion Ratio Lower Upper

98 100

100 67.8 53.5 80.3





#52

Toluene

Concen: 1.486 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX015633.D

Acq: 10 Apr 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

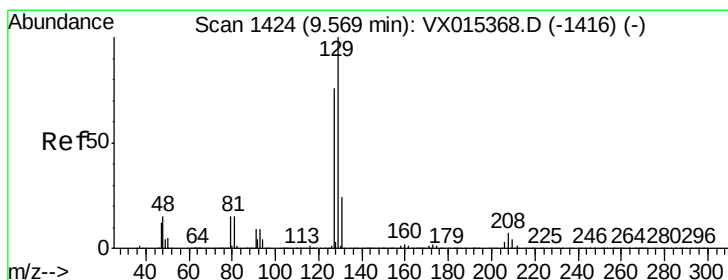
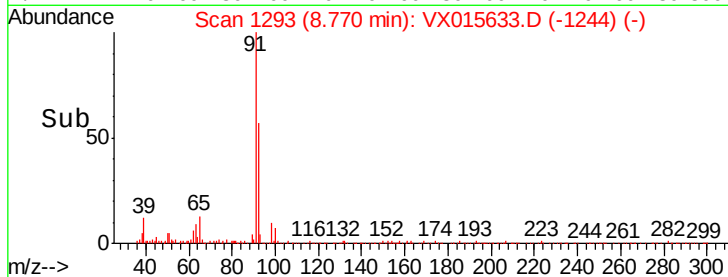
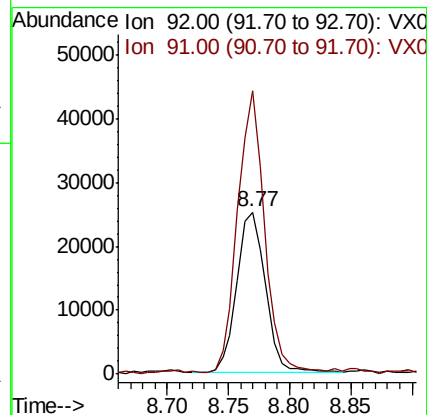
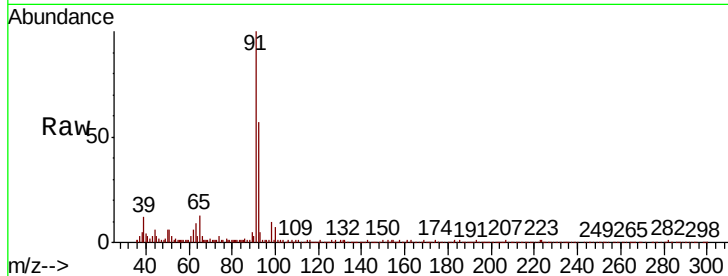
BP-VPB180-GW-148-150

Tot Ion: 92 Resp: 41227

Ion Ratio Lower Upper

92 100

91 161.7 136.6 205.0



#60

Dibromochloromethane

Concen: 0.216 ug/l

RT: 9.57 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VX015633.D

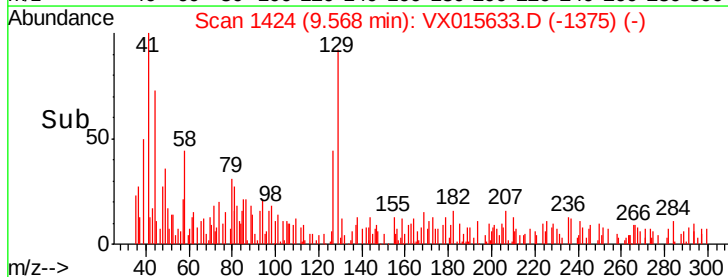
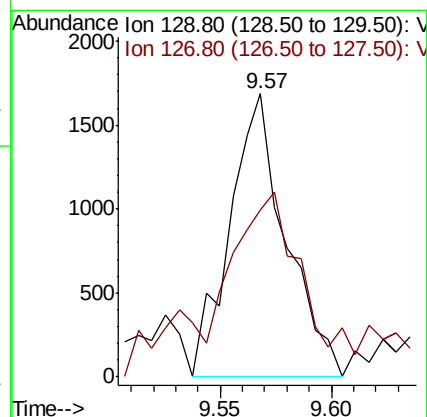
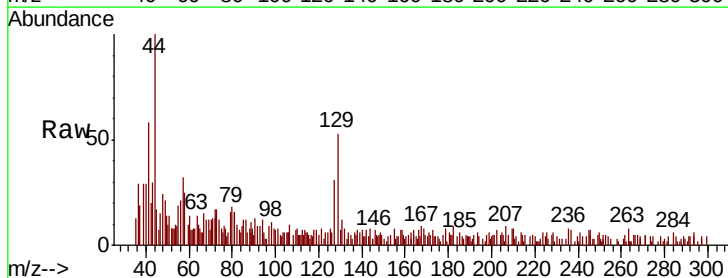
Acq: 10 Apr 2020 19:42

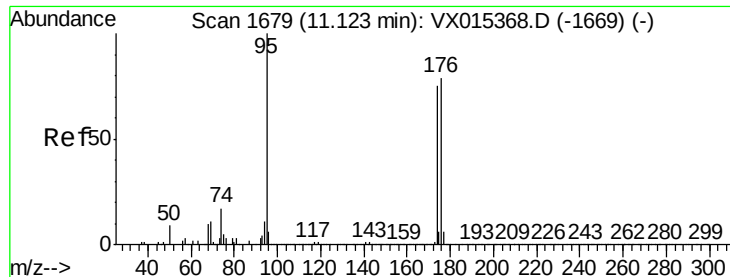
Tgt Ion: 129 Resp: 2947

Ion Ratio Lower Upper

129 100

127 63.1 38.2 114.6

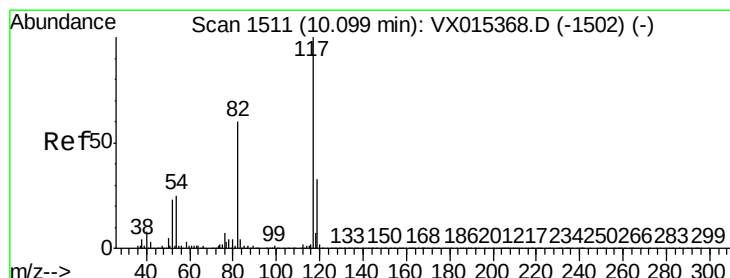
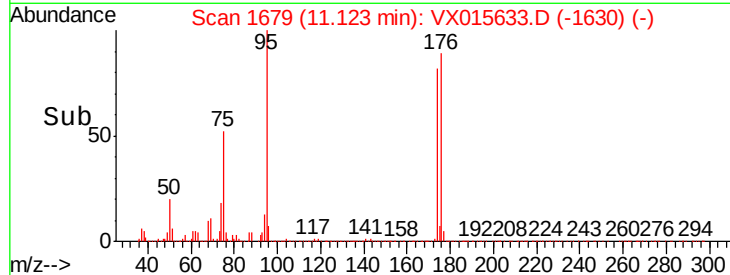
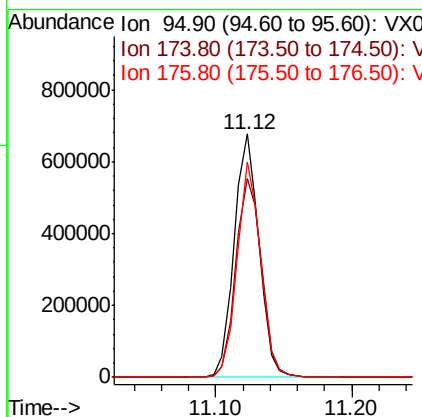
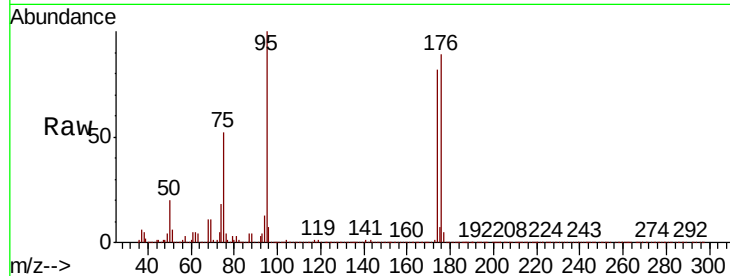




#62
4-Bromofluorobenzene
Concen: 53.679 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015633.D
Acq: 10 Apr 2020 19:42

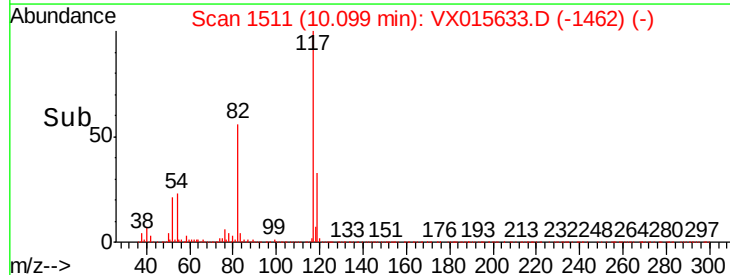
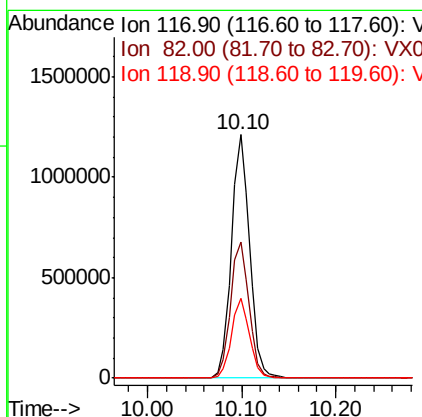
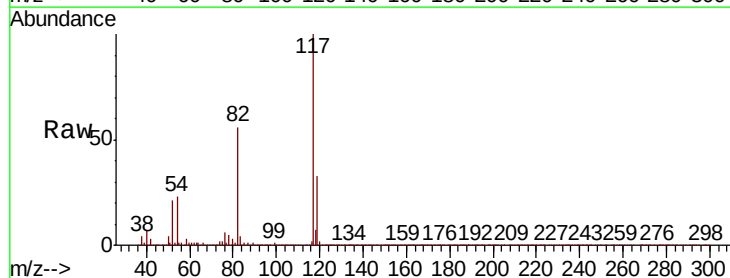
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-148-150

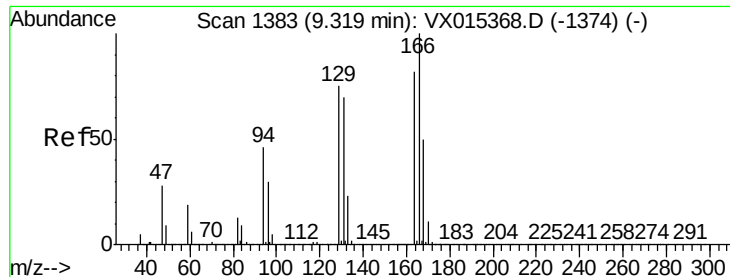
Tot Ion: 95 Resp: 856169
Ion Ratio Lower Upper
95 100
174 85.0 0.0 158.6
176 84.3 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015633.D
Acq: 10 Apr 2020 19:42

Tgt Ion: 117 Resp: 1625093
Ion Ratio Lower Upper
117 100
82 56.0 47.8 71.8
119 33.0 26.8 40.2





#64

Tetrachloroethene

Concen: 0.201 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX015633.D

Acq: 10 Apr 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-148-150

Tot Ion:164 Resp: 2470

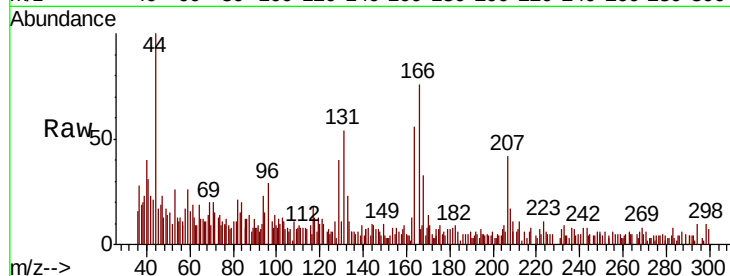
Ion Ratio Lower Upper

164 100

166 125.4 97.8 146.6

129 61.7 73.0 109.4#

131 71.4 68.6 103.0



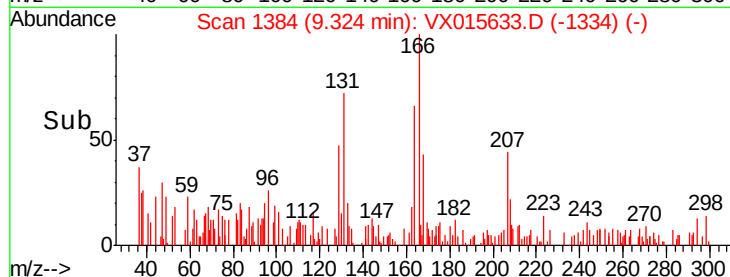
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

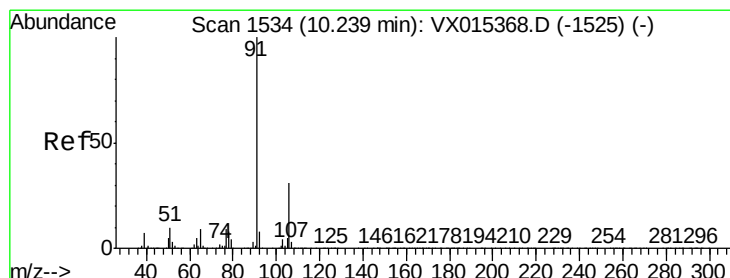
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#67

Ethyl Benzene

Concen: 0.321 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VX015633.D

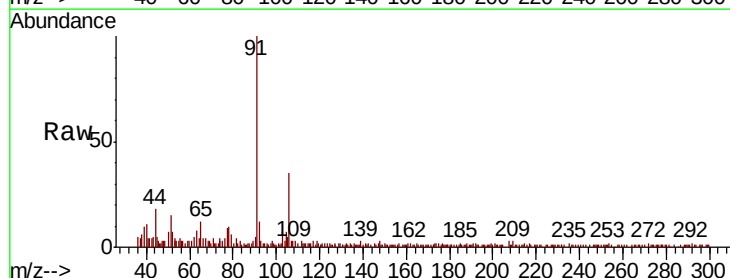
Acq: 10 Apr 2020 19:42

Tgt Ion: 91 Resp: 18471

Ion Ratio Lower Upper

91 100

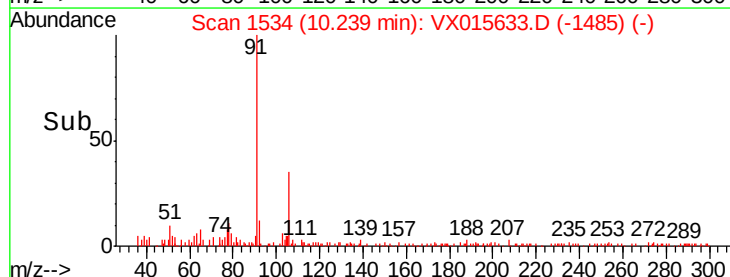
106 32.5 24.8 37.2



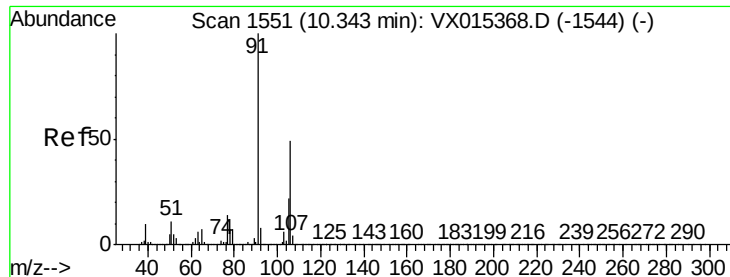
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

Time-->



Time-->



#68

m/p-Xylenes

Concen: 0.972 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VX015633.D

Acq: 10 Apr 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

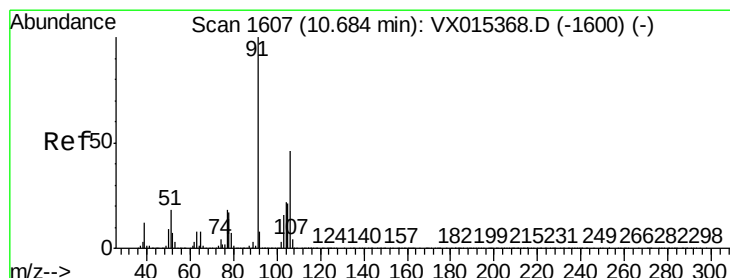
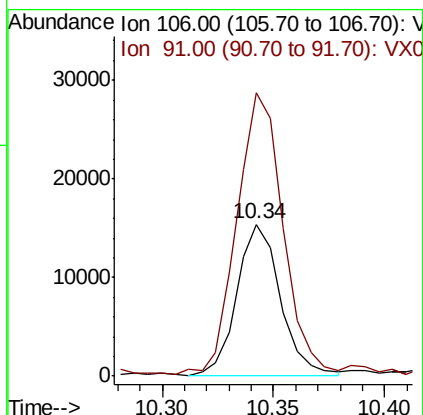
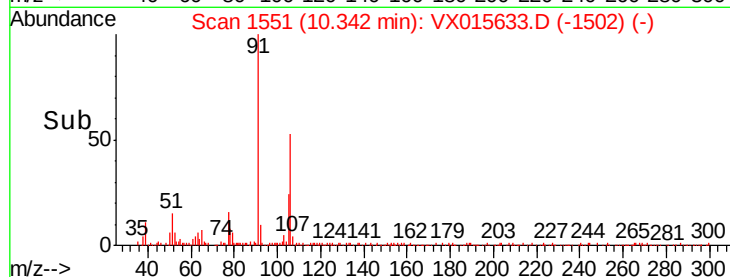
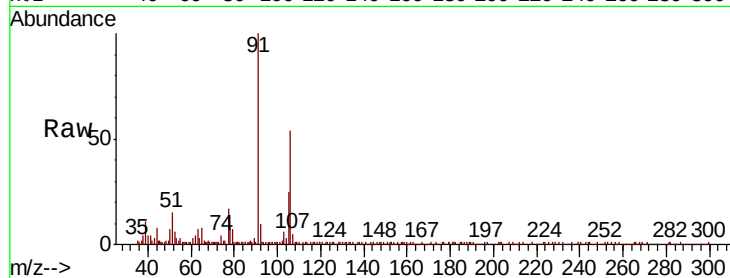
BP-VPB180-GW-148-150

Tot Ion:106 Resp: 20799

Ion Ratio Lower Upper

106 100

91 198.2 163.4 245.0



#69

o-Xylene

Concen: 0.469 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. -0.00 min

Lab File: VX015633.D

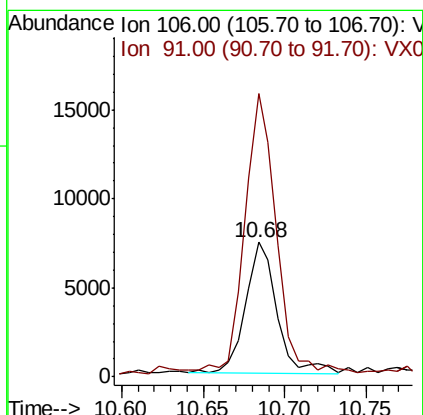
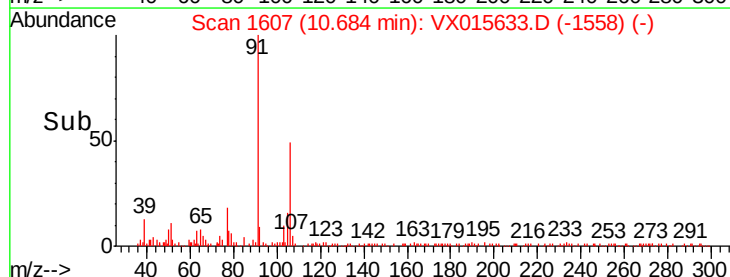
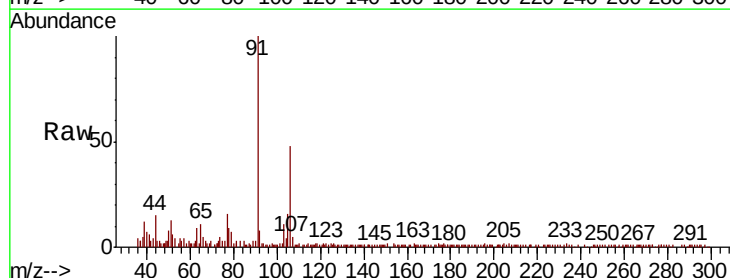
Acq: 10 Apr 2020 19:42

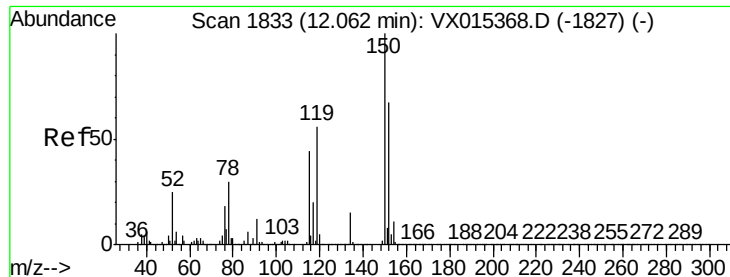
Tgt Ion:106 Resp: 9929

Ion Ratio Lower Upper

106 100

91 213.5 107.1 321.3

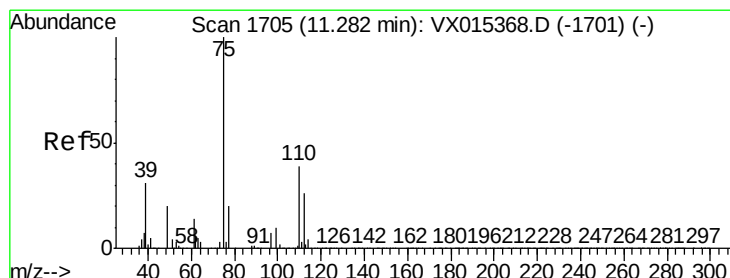
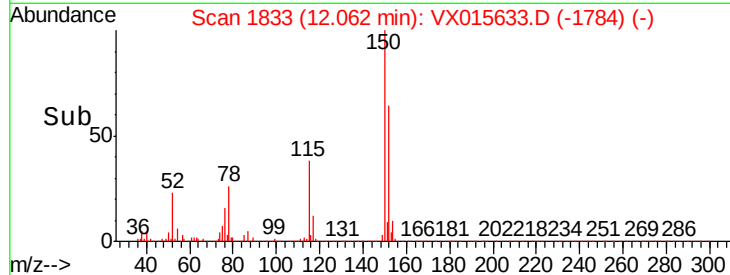
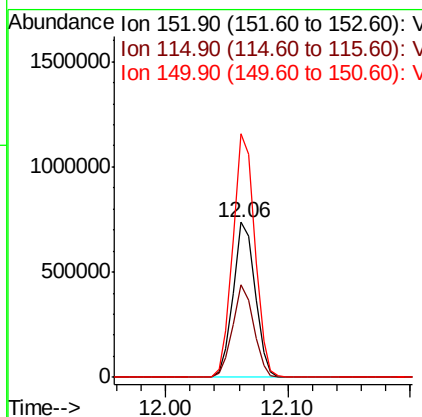
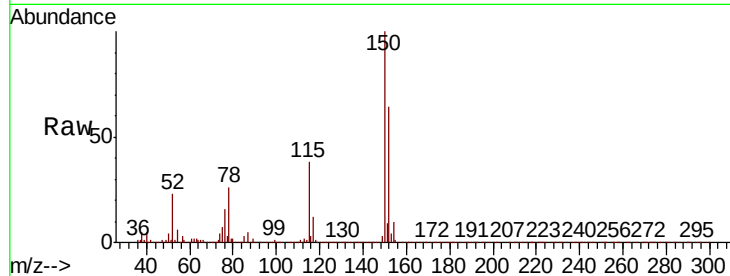




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX015633.D
 Acq: 10 Apr 2020 19:42

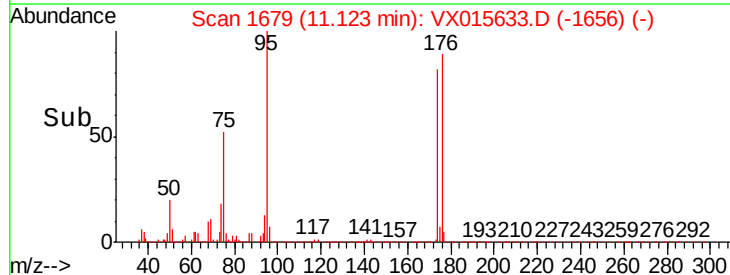
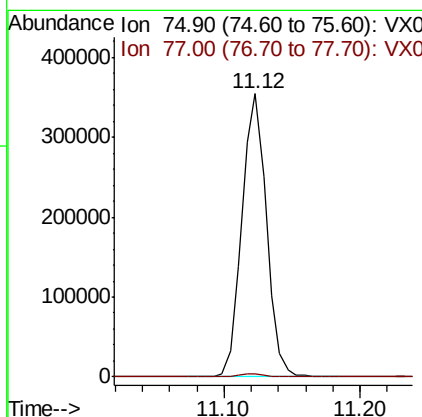
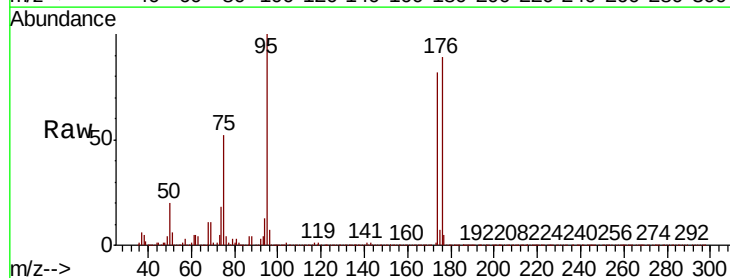
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-148-150

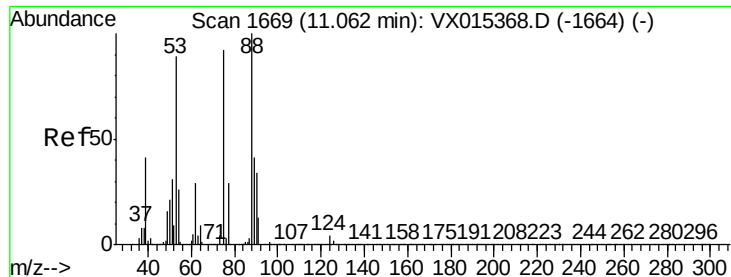
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.5	39.0	116.9
150	157.1	0.0	340.8



#76
 1,2,3-Trichloropropane
 Concen: 23.894 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015633.D
 Acq: 10 Apr 2020 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.2	63.6





#81

trans-1,4-Dichloro-2-butene

Concen: 57.332 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015633.D

Acq: 10 Apr 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-148-150

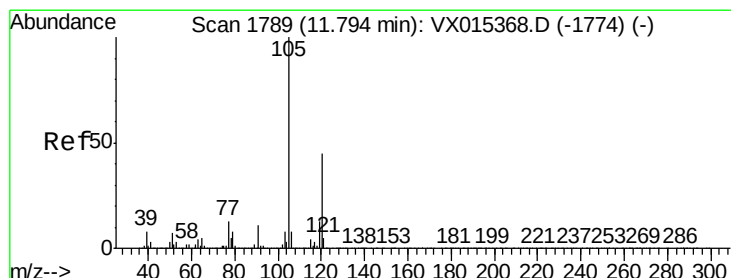
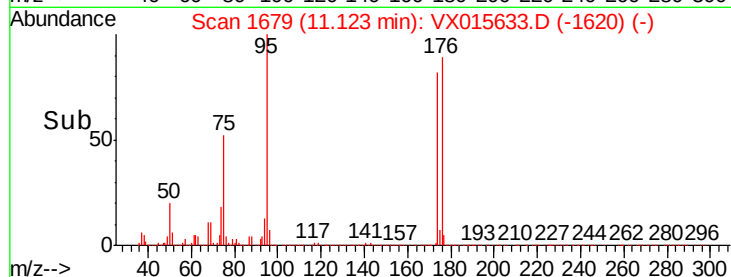
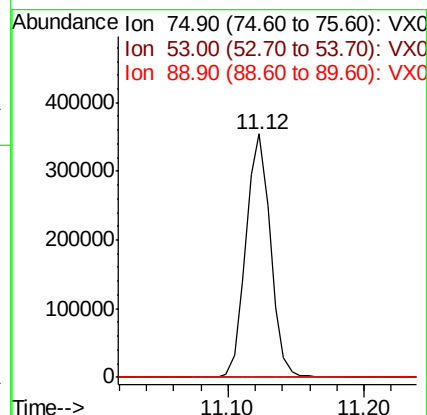
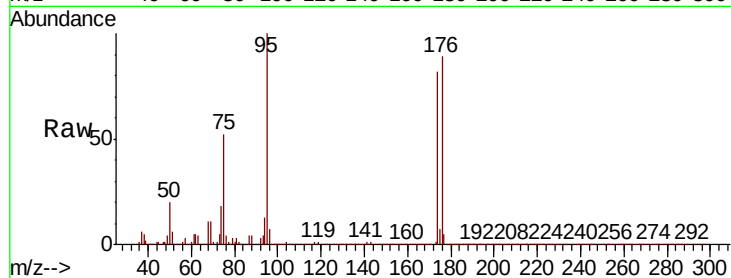
Tot Ion: 75 Resp: 445850

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#



#84

1,2,4-Trimethylbenzene

Concen: 0.316 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX015633.D

Acq: 10 Apr 2020 19:42

Tgt Ion: 105 Resp: 16330

Ion Ratio Lower Upper

105 100

120 46.5 22.7 68.1

