

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015632.D
 Acq On : 10 Apr 2020 19:20
 Operator : JC/SP
 Sample : L2196-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-EB-20200408

Quant Time: Apr 11 00:35:37 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	1102604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1680435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1628211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	900477	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	702618	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
35) Dibromofluoromethane	5.47	113	522656	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.70	98	2054997	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.12	95	868064	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	

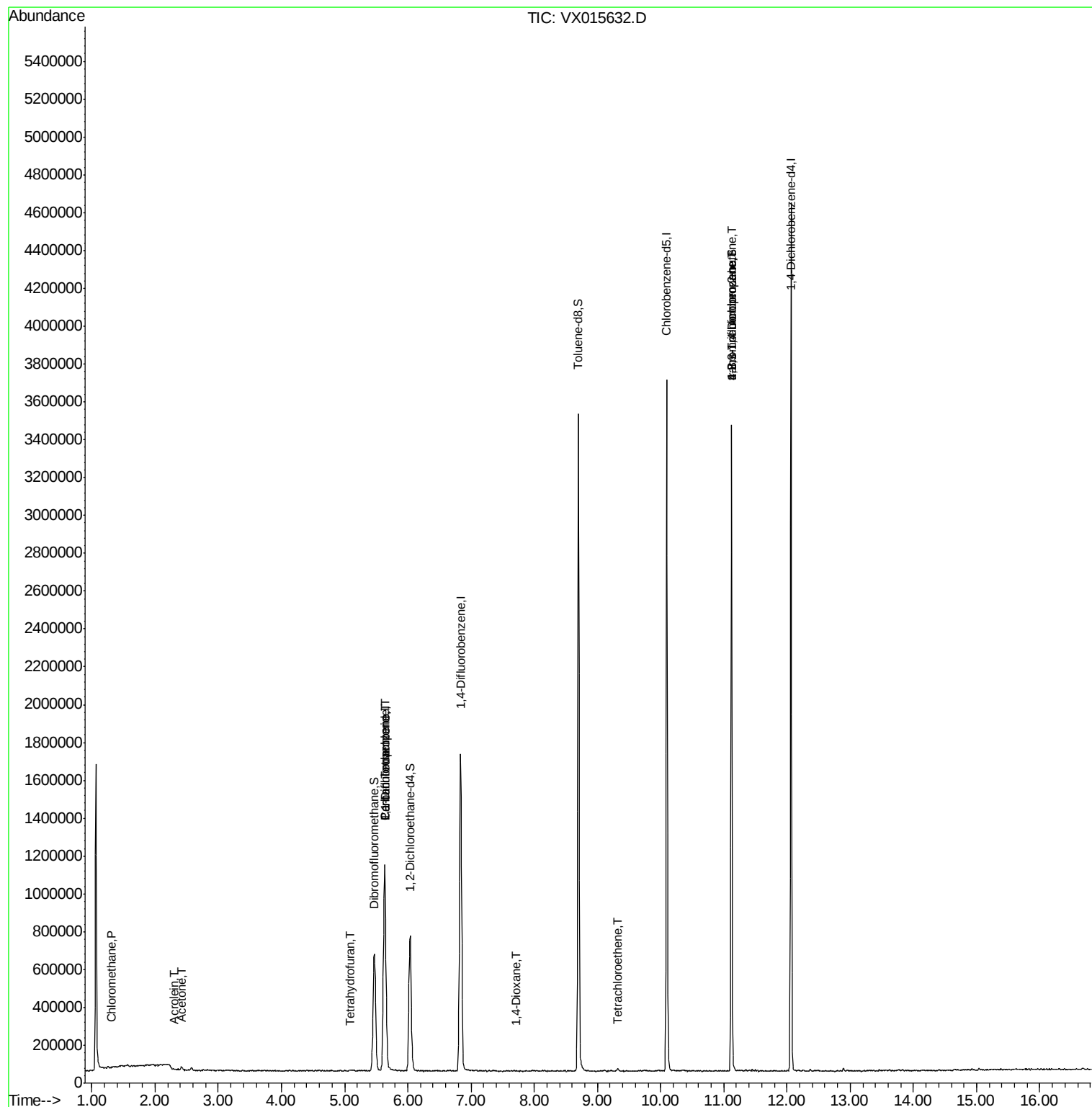
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2881	0.233	ug/l	90
5) Bromomethane	1.62	94	230	Below Cal		96
13) Acrolein	2.31	56	583	0.275	ug/l #	14
16) Acetone	2.42	43	21314	3.190	ug/l	98
29) Tetrahydrofuran	5.09	42	1868	0.270	ug/l #	78
36) 1,1-Dichloropropene	5.63	75	80450	5.196	ug/l #	53
38) Carbon Tetrachloride	5.63	117	101069	6.027	ug/l #	14
49) 1,4-Dioxane	7.71	88	206	0.650	ug/l #	20
64) Tetrachloroethene	9.32	164	3134	0.255	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	444810	24.021	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	444810	57.637	ug/l #	10

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

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Quant Time: Apr 11 00:35:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015632.D

Acq: 10 Apr 2020 19:20

Instrument :

MSVOA_X

ClientSampleId :

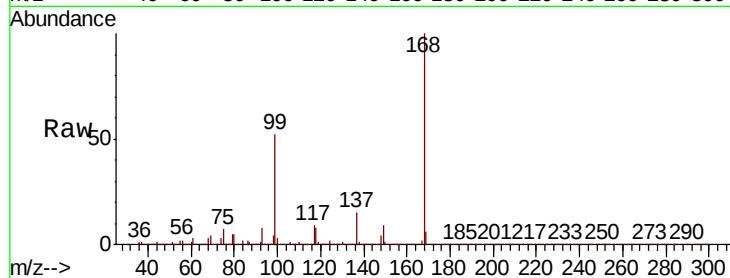
BP-VPB180-EB-20200408

Tot Ion:168 Resp: 1102604

Ion Ratio Lower Upper

168 100

99 51.7 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

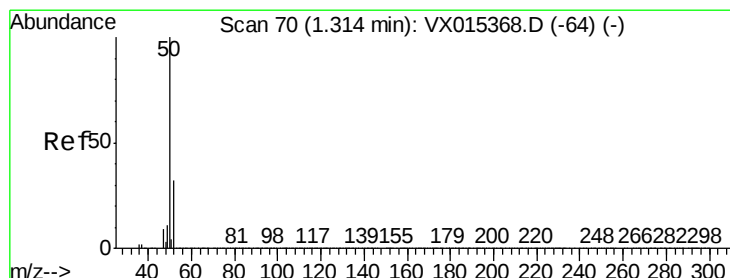
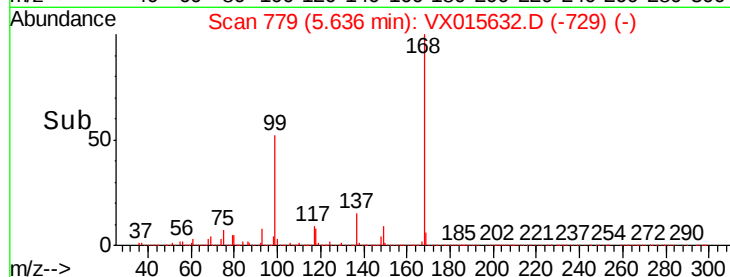
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015632.D

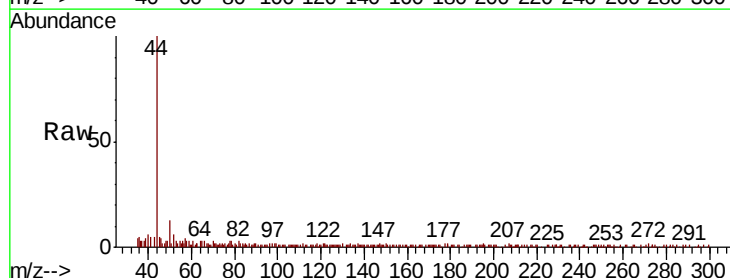
Acq: 10 Apr 2020 19:20

Tgt Ion: 50 Resp: 2881

Ion Ratio Lower Upper

50 100

52 26.1 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

2500

2000

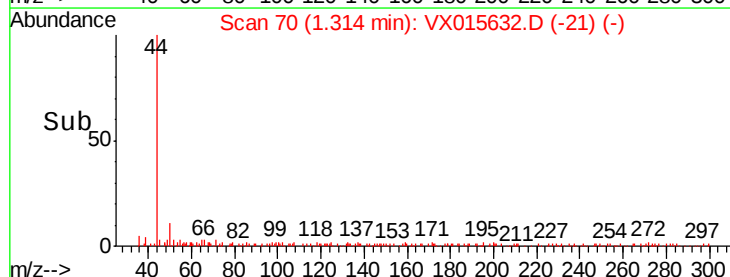
1500

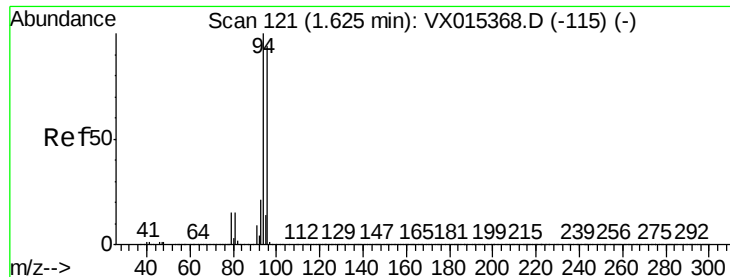
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015632.D

Acq: 10 Apr 2020 19:20

Instrument :

MSVOA_X

ClientSampleId :

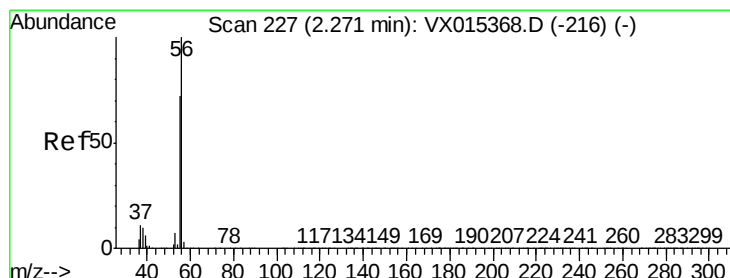
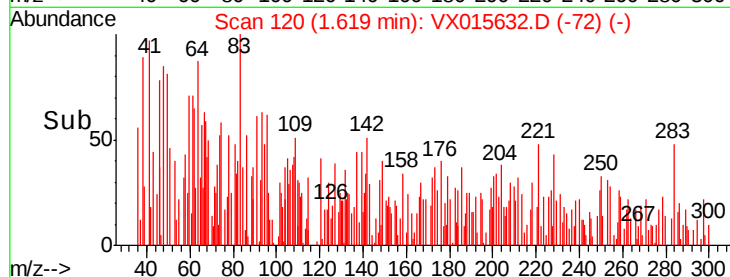
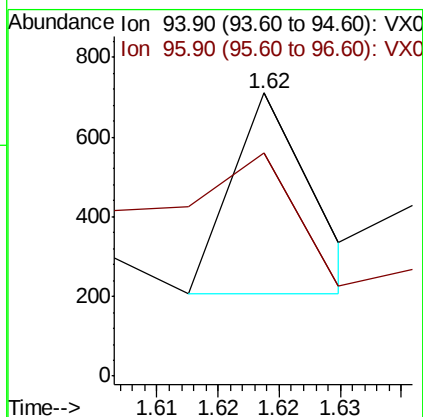
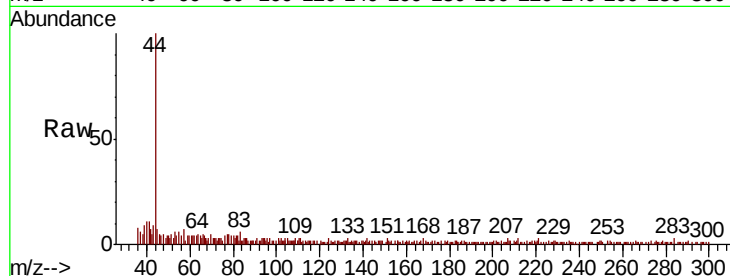
BP-VPB180-EB-20200408

Tot Ion: 94 Resp: 230

Ion Ratio Lower Upper

94 100

96 89.6 74.8 112.2



#13

Acrolein

Concen: 0.275 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.04 min

Lab File: VX015632.D

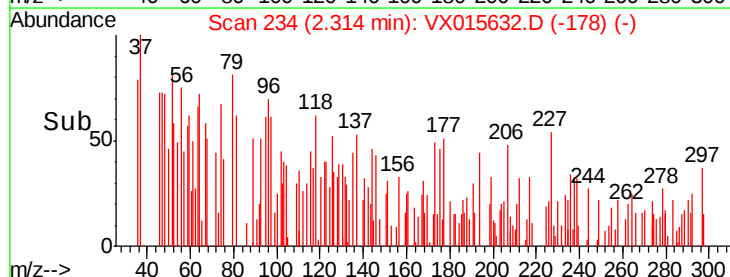
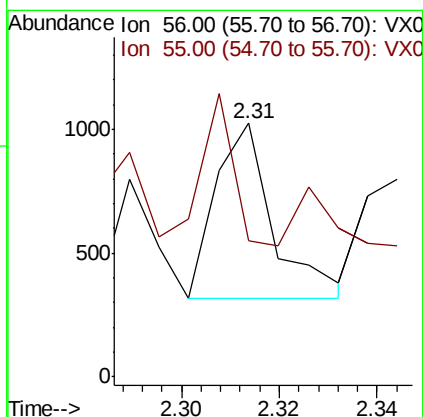
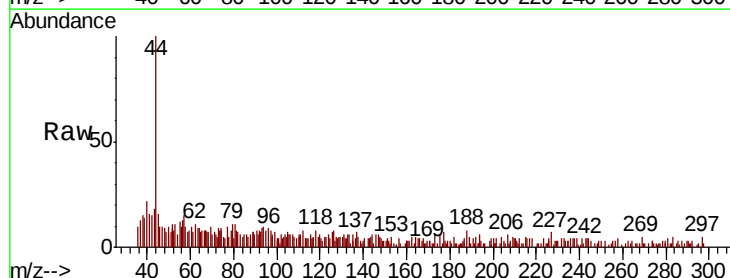
Acq: 10 Apr 2020 19:20

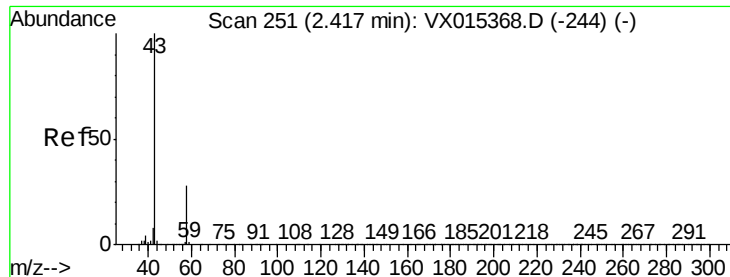
Tgt Ion: 56 Resp: 583

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#

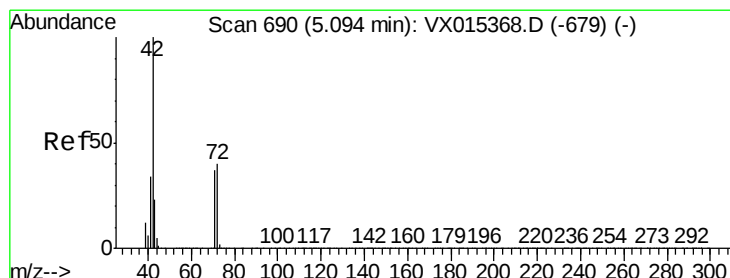
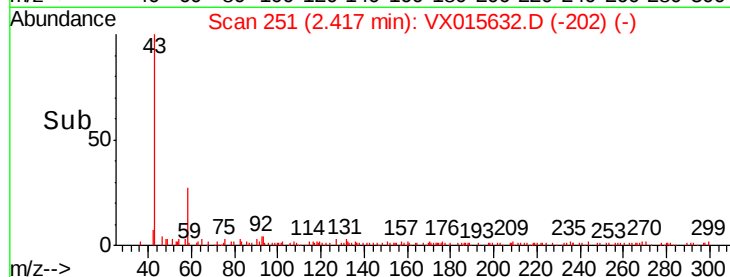
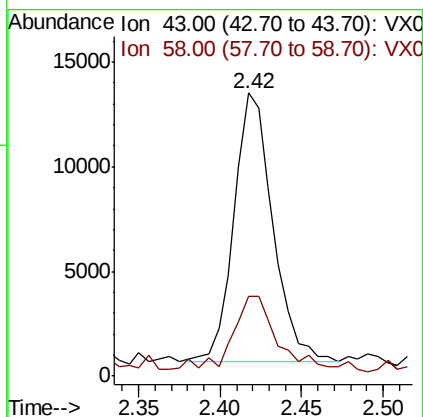
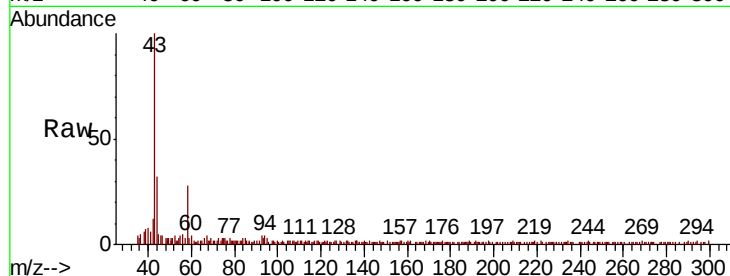




#16
Acetone
Concen: 3.190 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015632.D
Acq: 10 Apr 2020 19:20

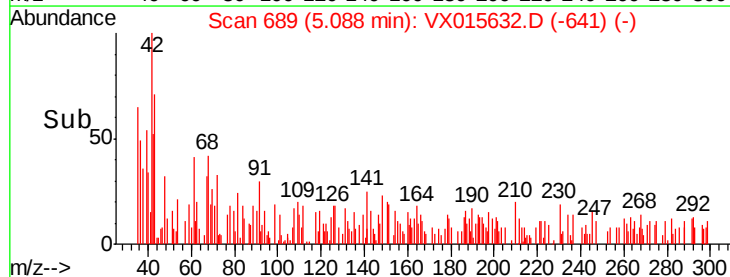
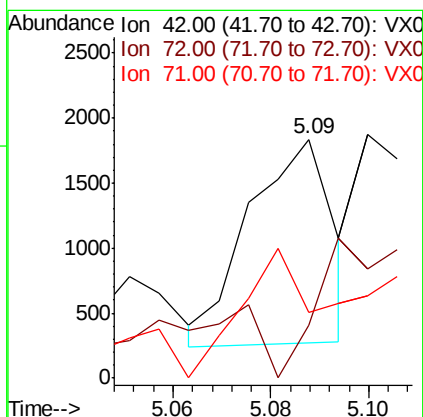
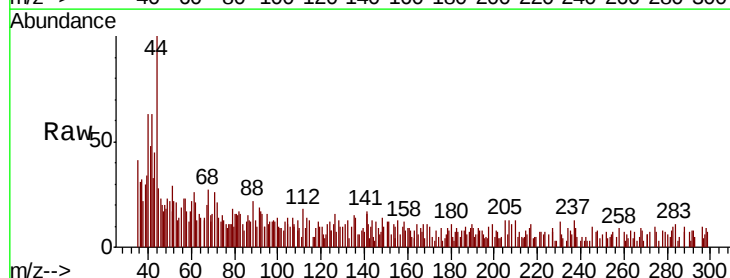
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-EB-20200408

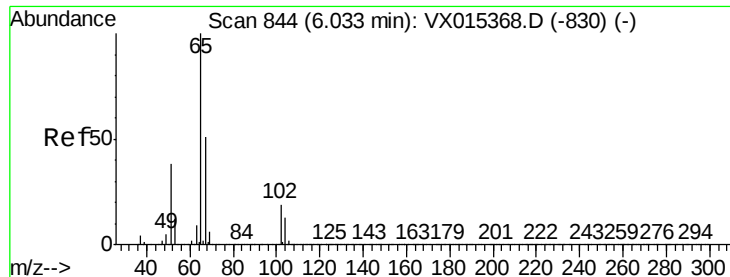
Tot Ion: 43 Resp: 21314
Ion Ratio Lower Upper
43 100
58 26.6 22.1 33.1



#29
Tetrahydrofuran
Concen: 0.270 ug/l
RT: 5.09 min Scan# 689
Delta R.T. -0.01 min
Lab File: VX015632.D
Acq: 10 Apr 2020 19:20

Tgt Ion: 42 Resp: 1868
Ion Ratio Lower Upper
42 100
72 35.1 31.7 47.5
71 59.3 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 45.181 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015632.D

Acq: 10 Apr 2020 19:20

Instrument :

MSVOA_X

ClientSampleId :

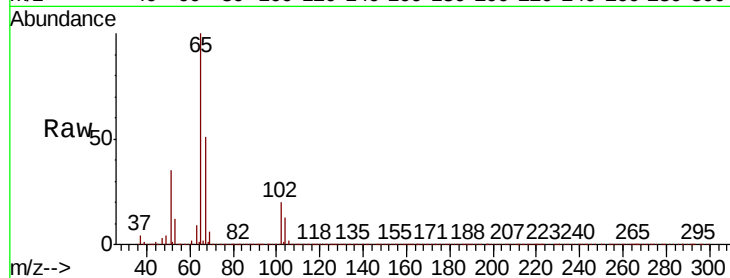
BP-VPB180-EB-20200408

Tot Ion: 65 Resp: 702618

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

250000

200000

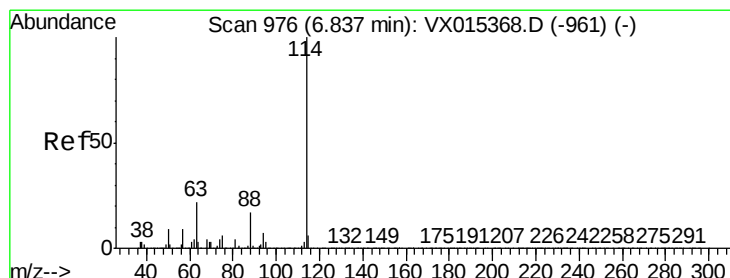
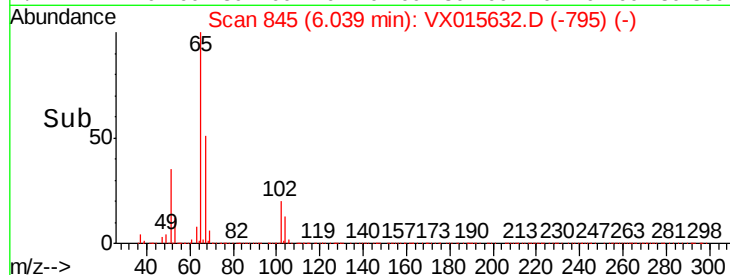
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015632.D

Acq: 10 Apr 2020 19:20

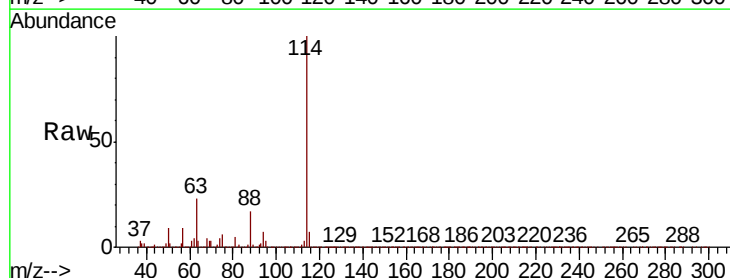
Tgt Ion: 114 Resp: 1680435

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

88 17.1 0.0 33.8



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

6.84

800000

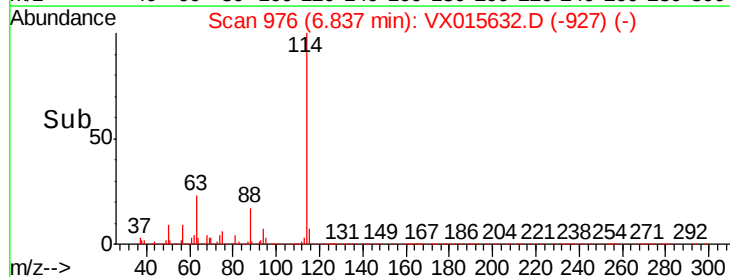
600000

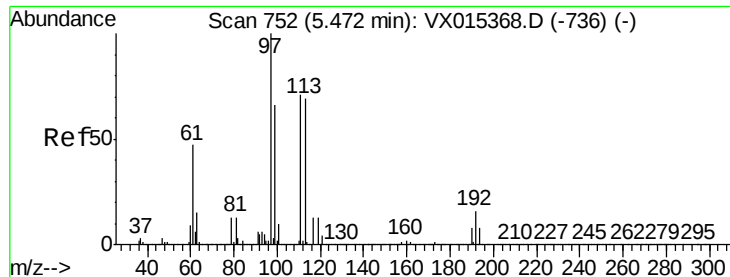
400000

200000

0

Time-->

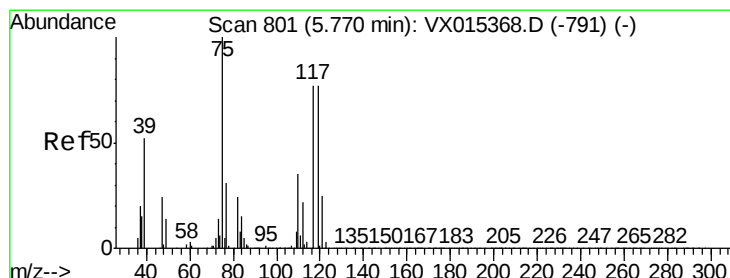
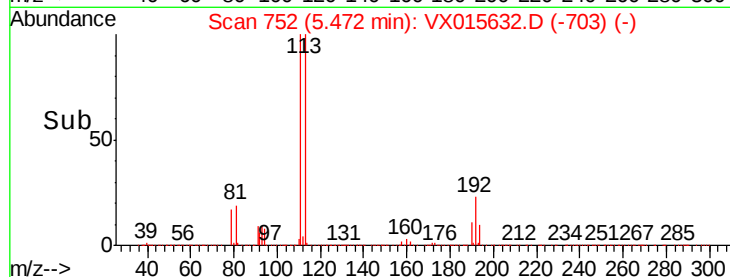
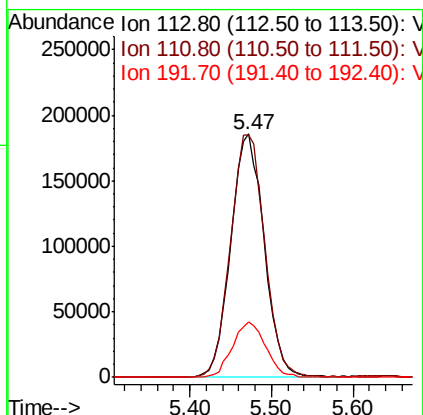
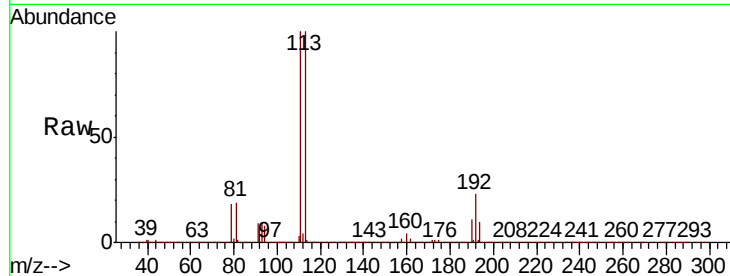




#35
 Dibromofluoromethane
 Concen: 48.656 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015632.D
 Acq: 10 Apr 2020 19:20

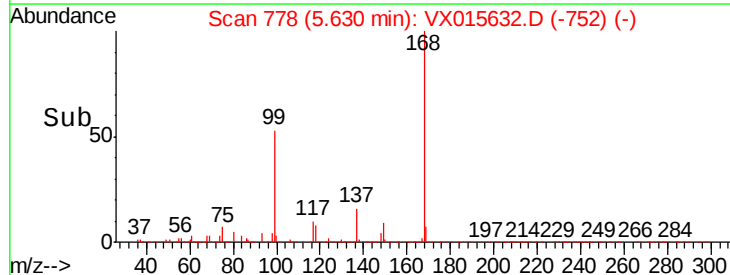
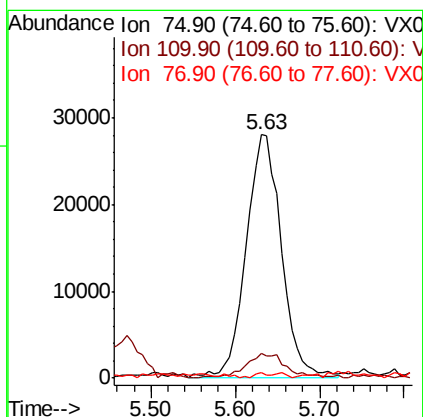
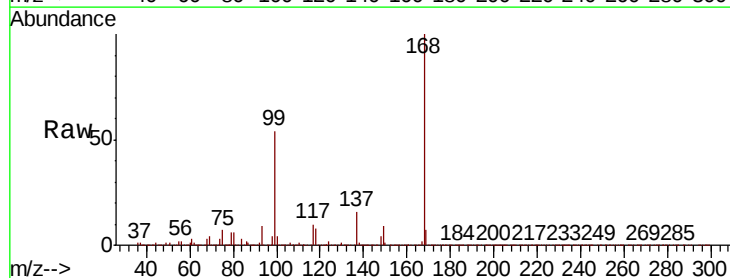
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-EB-20200408

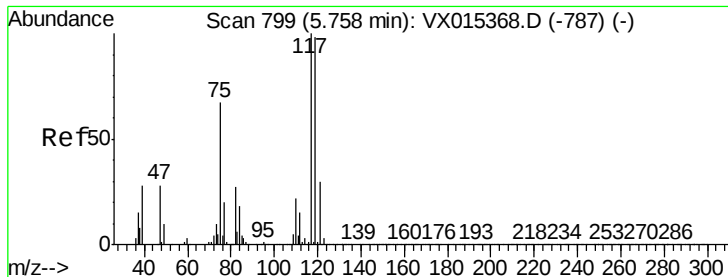
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.5	122.3
192	22.9	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.196 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015632.D
 Acq: 10 Apr 2020 19:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.1	51.3#
77	0.8	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.027 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015632.D

Acq: 10 Apr 2020 19:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-EB-20200408

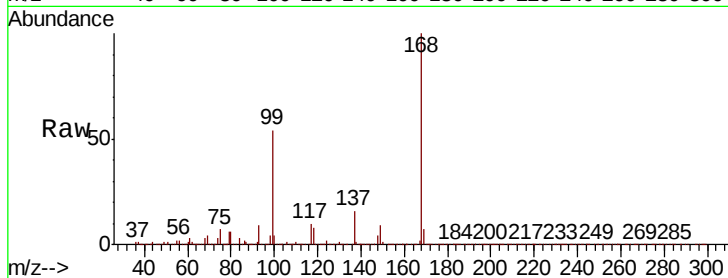
Tot Ion:117 Resp: 101069

Ion Ratio Lower Upper

117 100

119 3.3 78.0 117.0#

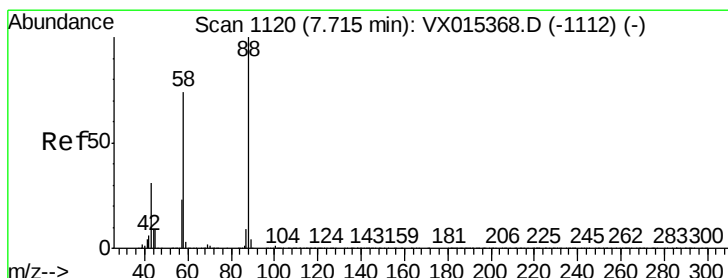
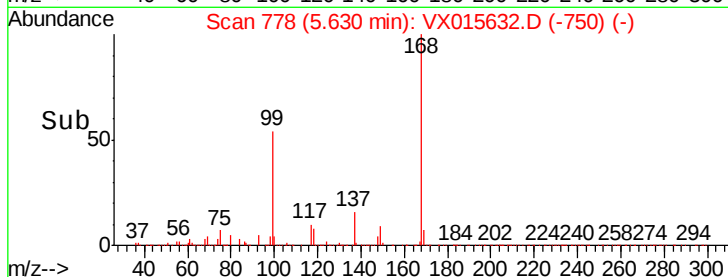
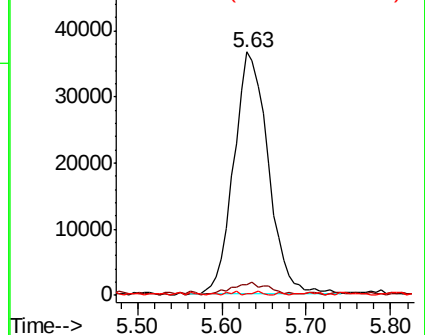
121 0.0 23.8 35.8#



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: 0.650 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015632.D

Acq: 10 Apr 2020 19:20

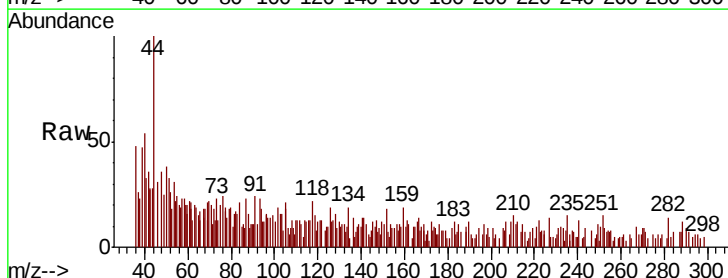
Tgt Ion: 88 Resp: 206

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

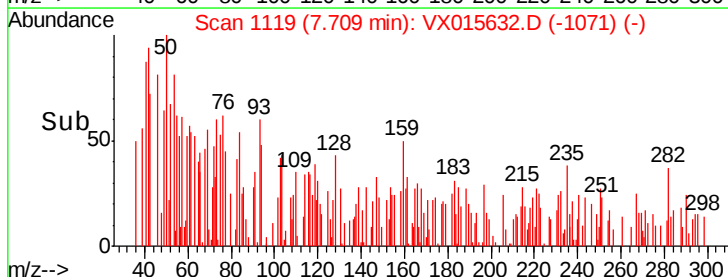
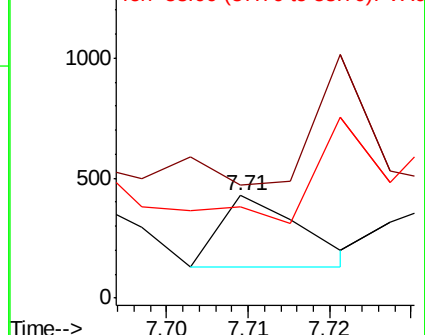
58 0.0 60.6 90.8#

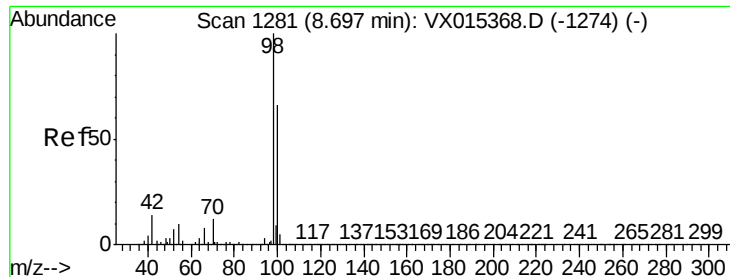


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

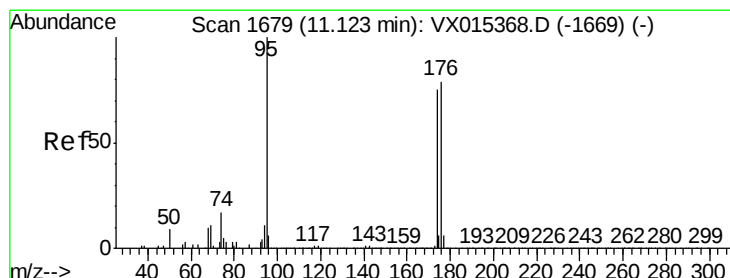
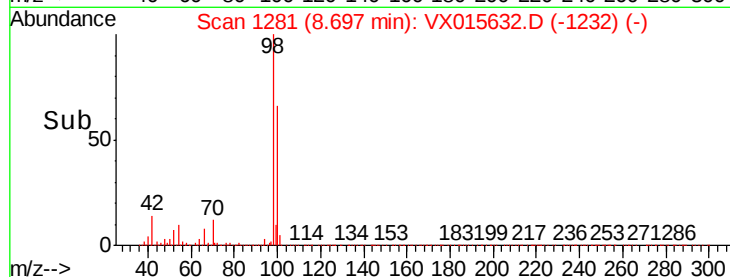
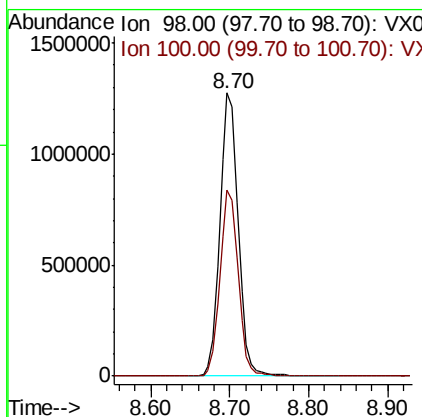
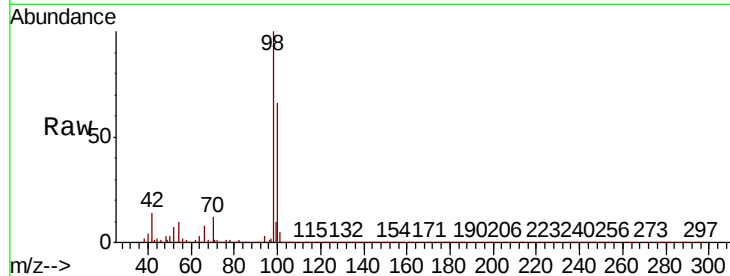




#50
Toluene-d8
Concen: 51.962 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015632.D
Acq: 10 Apr 2020 19:20

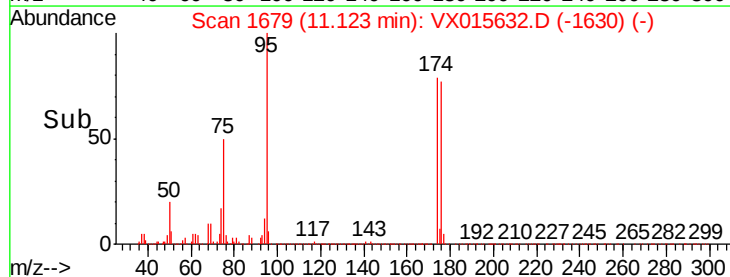
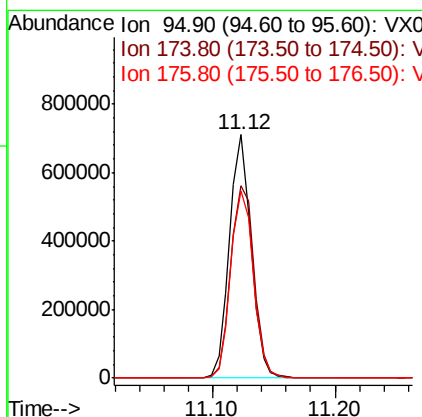
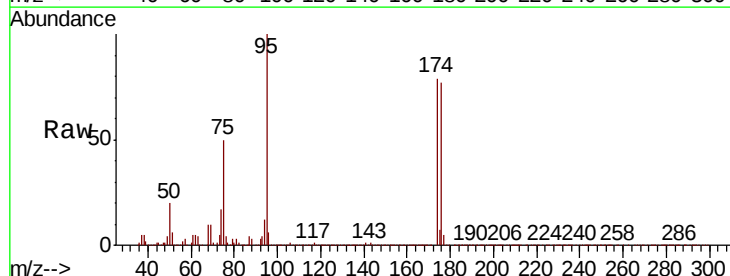
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-EB-20200408

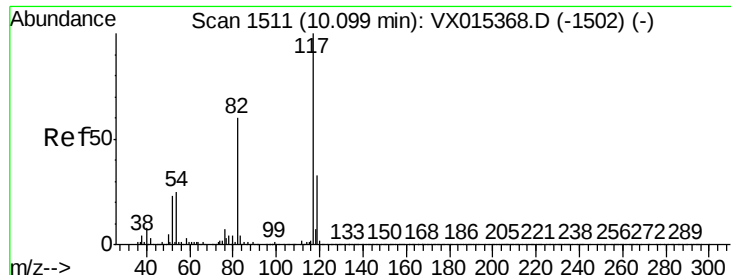
Tot Ion: 98 Resp: 2054997
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 54.009 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015632.D
Acq: 10 Apr 2020 19:20

Tgt Ion: 95 Resp: 868064
Ion Ratio Lower Upper
95 100
174 85.2 0.0 158.6
176 80.7 0.0 159.0

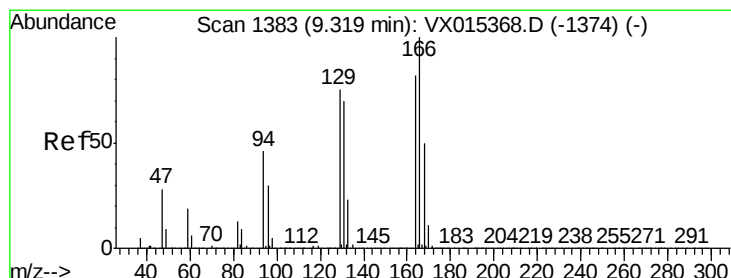
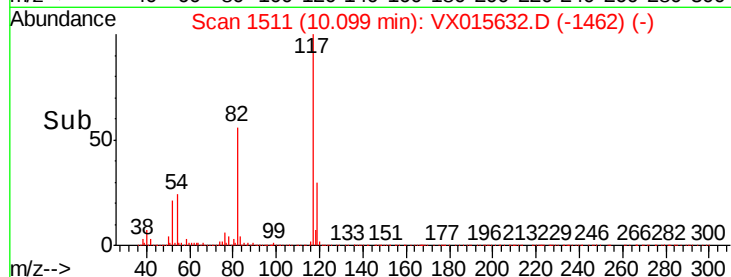
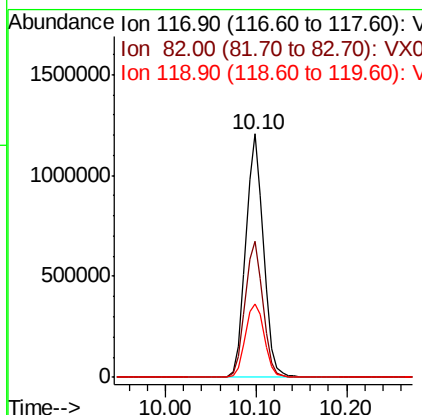
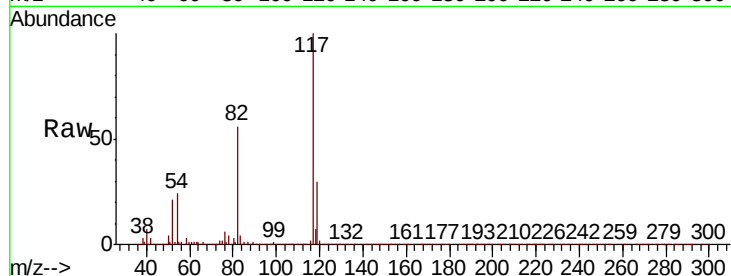




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015632.D
Acq: 10 Apr 2020 19:20

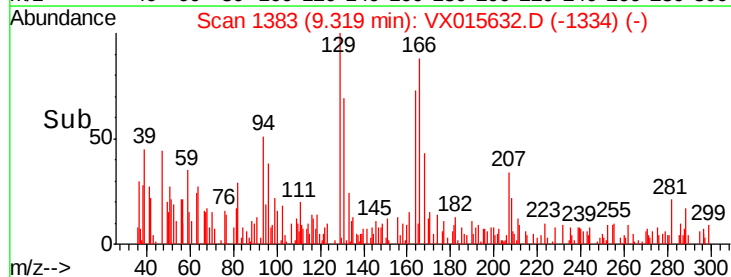
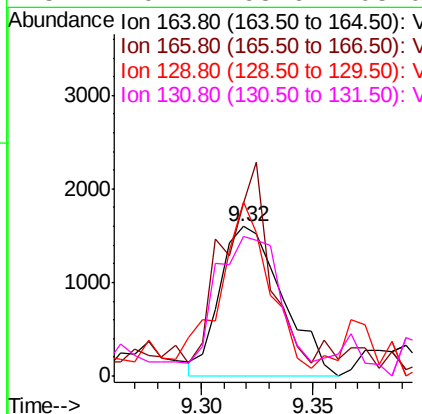
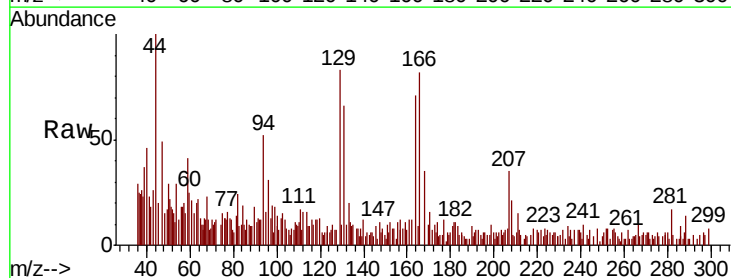
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-EB-20200408

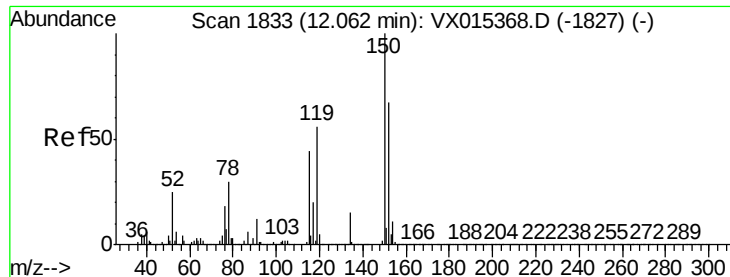
Tot Ion:117 Resp: 1628211
Ion Ratio Lower Upper
117 100
82 55.7 47.8 71.8
119 30.4 26.8 40.2



#64
Tetrachloroethene
Concen: 0.255 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015632.D
Acq: 10 Apr 2020 19:20

Tgt Ion:164 Resp: 3134
Ion Ratio Lower Upper
164 100
166 107.1 97.8 146.6
129 106.3 73.0 109.4
131 79.2 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: VX015632.D

Acq: 10 Apr 2020 19:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-EB-20200408

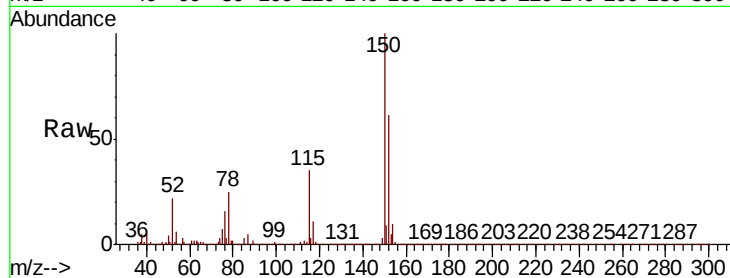
Tot Ion:152 Resp: 900477

Ion Ratio Lower Upper

152 100

115 57.8 39.0 116.9

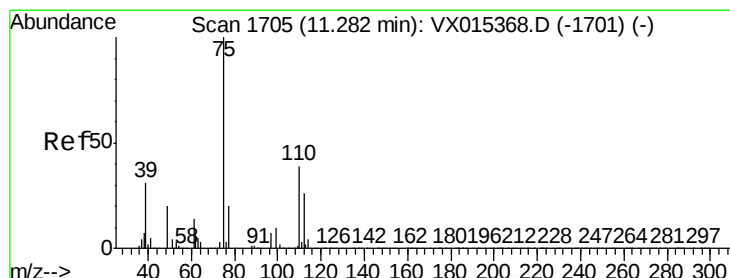
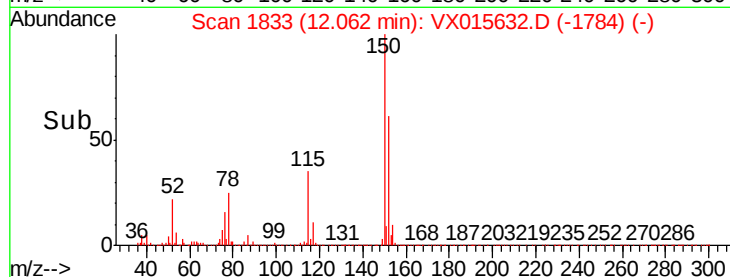
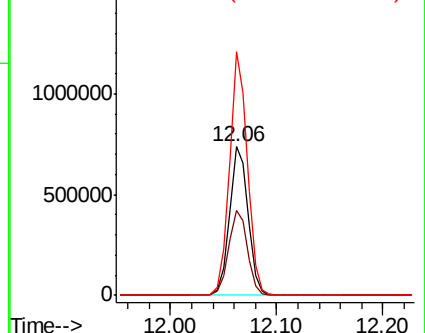
150 157.5 0.0 340.8



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: 24.021 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015632.D

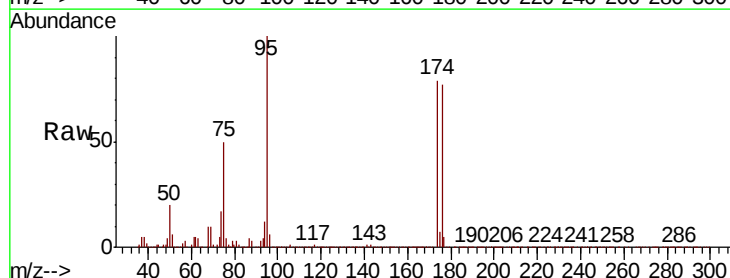
Acq: 10 Apr 2020 19:20

Tgt Ion: 75 Resp: 444810

Ion Ratio Lower Upper

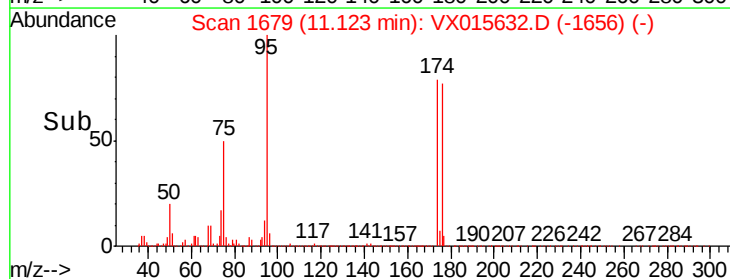
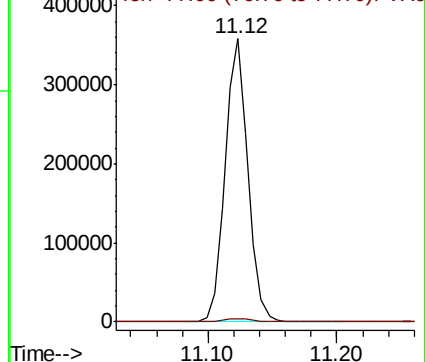
75 100

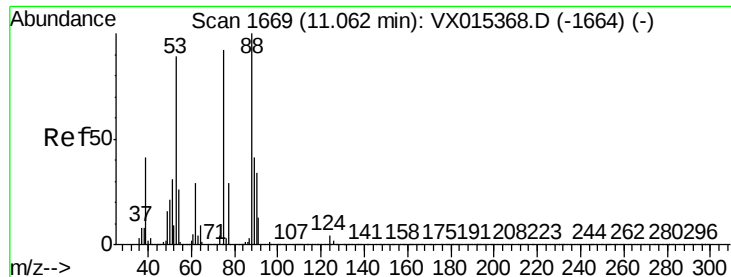
77 1.2 21.2 63.6#



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: 57.637 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015632.D

Acq: 10 Apr 2020 19:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-EB-20200408

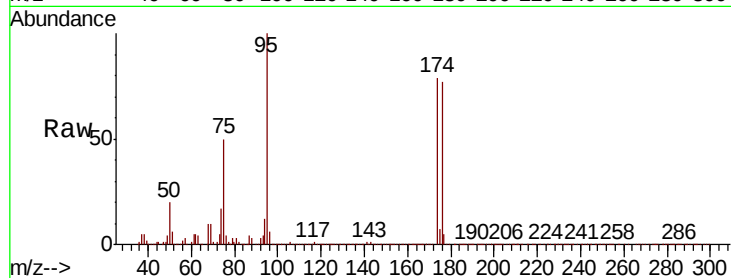
Tot Ion: 75 Resp: 444810

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 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

