

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015715.D
 Acq On : 16 Apr 2020 16:23
 Operator : JC/SP
 Sample : L2276-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180--GW-303-305

Quant Time: Apr 17 06:49:52 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	1058796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1656590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1586478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	882247	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	647003	43.33	ug/l	0.00
Spiked Amount			Recovery	=	86.66%	
35) Dibromofluoromethane	5.47	113	499852	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	8.70	98	1961859	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.12	95	827567	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	

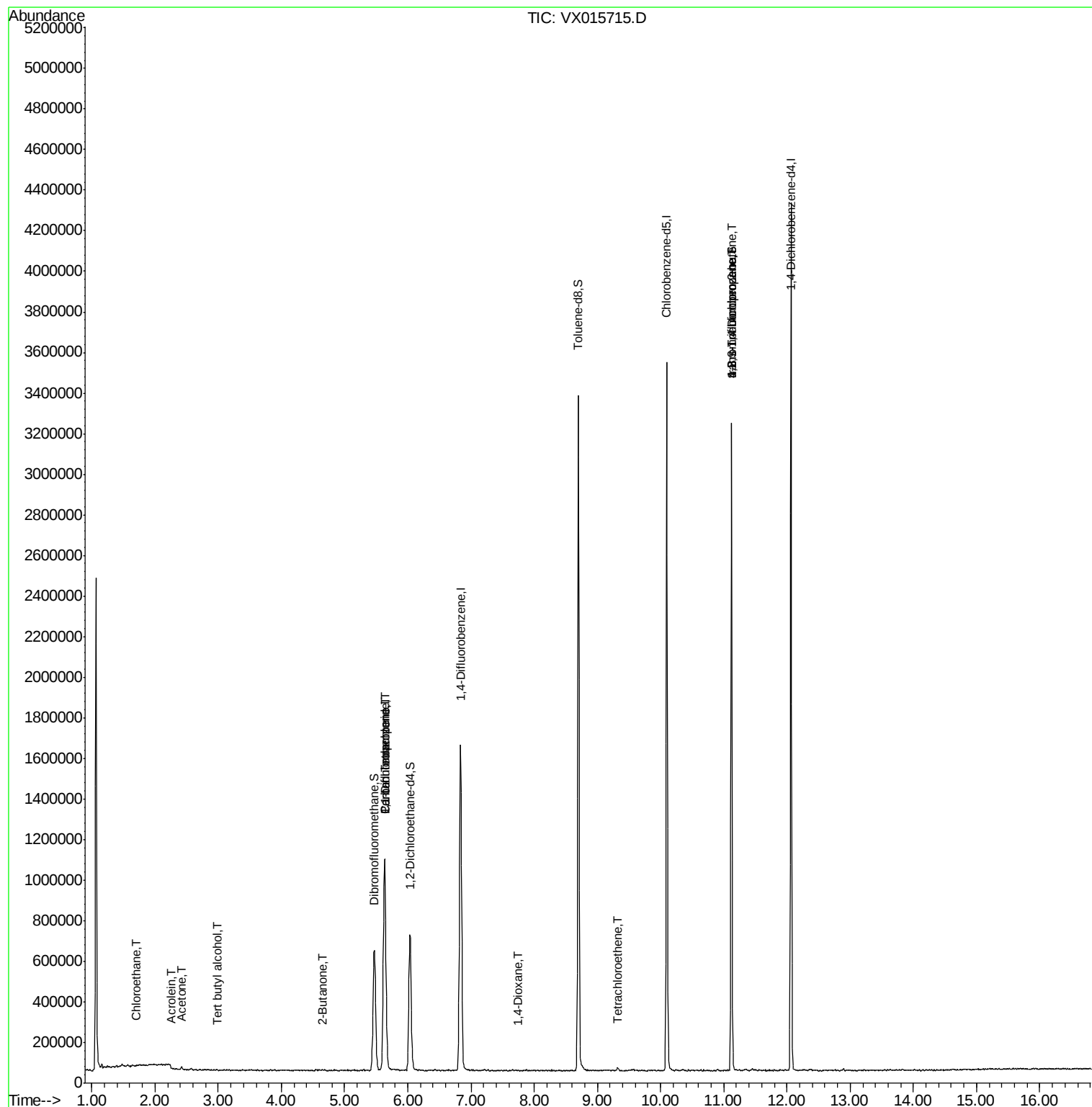
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	730	Below Cal	#	24
6) Chloroethane	1.70	64	1607	0.238	ug/l #	43
11) Tert butyl alcohol	2.99	59	1009	0.282	ug/l #	1
13) Acrolein	2.26	56	749	0.368	ug/l #	78
16) Acetone	2.42	43	18111	2.823	ug/l	98
25) 2-Butanone	4.65	43	2137	0.207	ug/l #	52
36) 1,1-Dichloropropene	5.64	75	77172	5.056	ug/l #	54
38) Carbon Tetrachloride	5.64	117	95942	5.803	ug/l #	14
49) 1,4-Dioxane	7.74	88	824	2.636	ug/l #	69
64) Tetrachloroethene	9.32	164	3125	0.261	ug/l #	78
76) 1,2,3-Trichloropropane	11.12	75	419072	23.099	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	419072	55.424	ug/l #	10

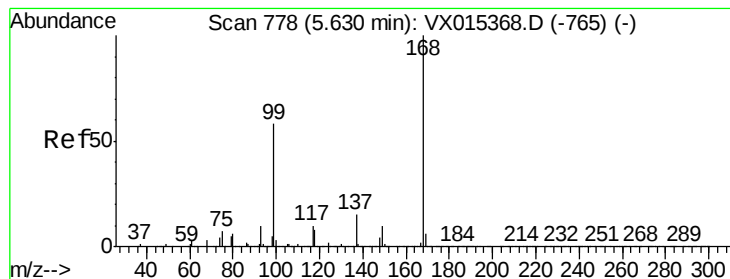
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041620\
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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: VX015715.D

Acq: 16 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

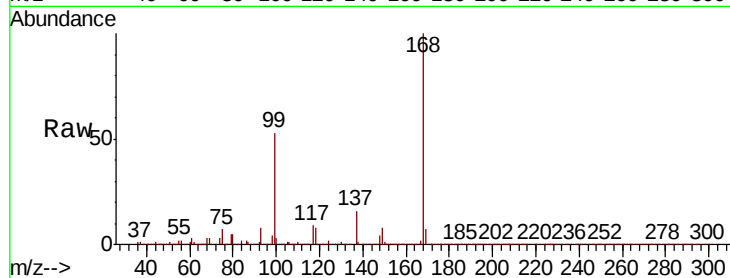
BP-VPB180--GW-303-305

Tot Ion:168 Resp: 1058796

Ion Ratio Lower Upper

168 100

99 53.4 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

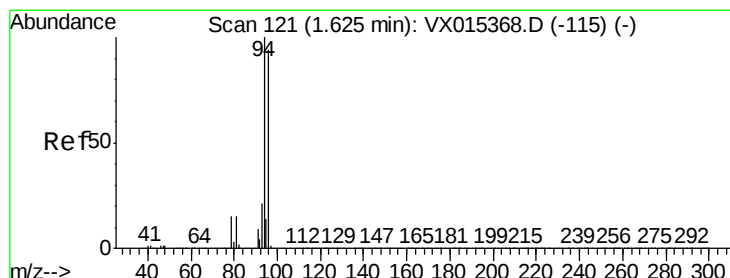
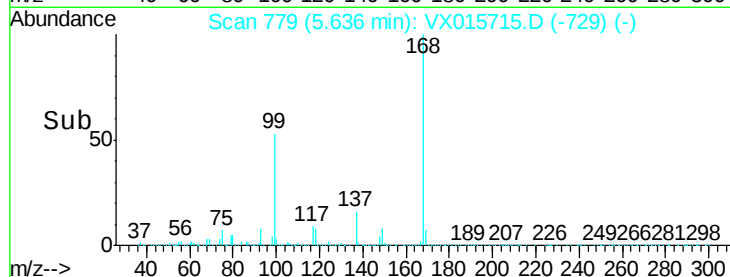
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015715.D

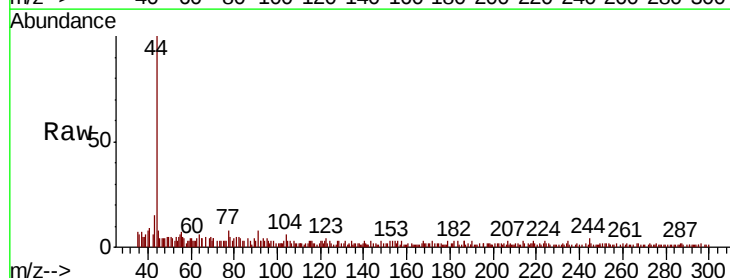
Acq: 16 Apr 2020 16:23

Tgt Ion: 94 Resp: 730

Ion Ratio Lower Upper

94 100

96 20.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

1000

800

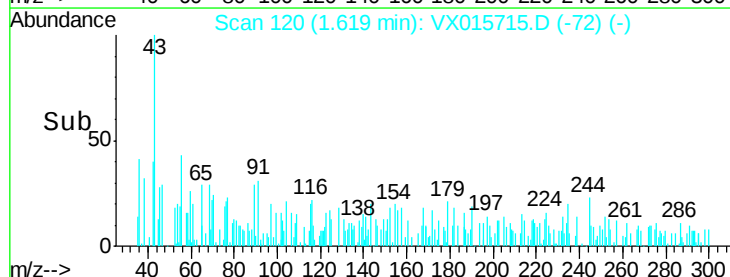
600

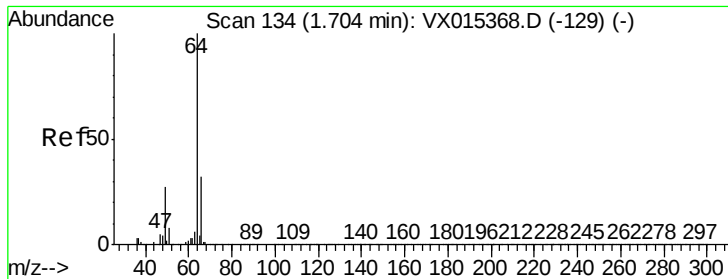
400

200

0

Time-->





#6

Chloroethane

Concen: 0.238 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

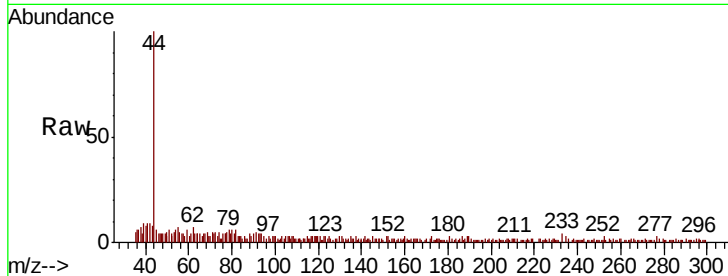
BP-VPB180--GW-303-305

Tot Ion: 64 Resp: 1607

Ion Ratio Lower Upper

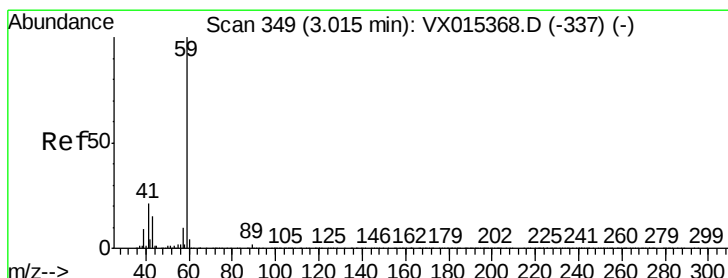
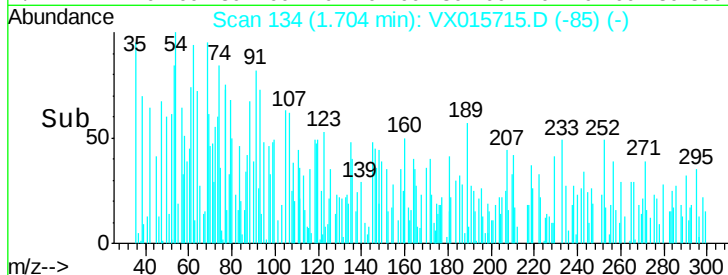
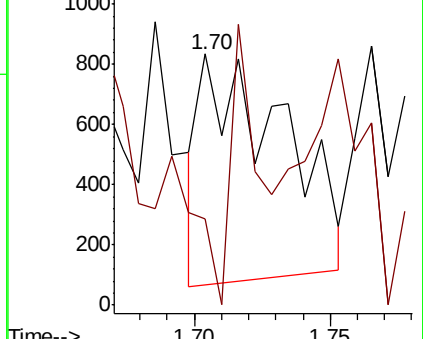
64 100

66 0.0 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.282 ug/l

RT: 2.99 min Scan# 345

Delta R.T. -0.02 min

Lab File: VX015715.D

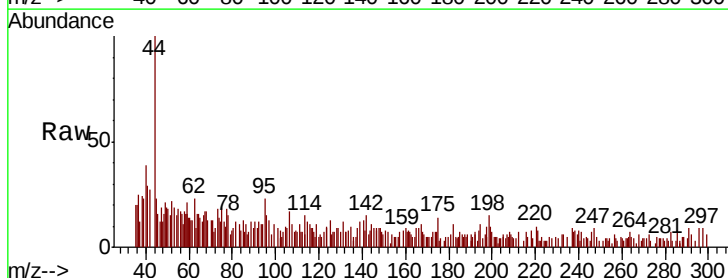
Acq: 16 Apr 2020 16:23

Tgt Ion: 59 Resp: 1009

Ion Ratio Lower Upper

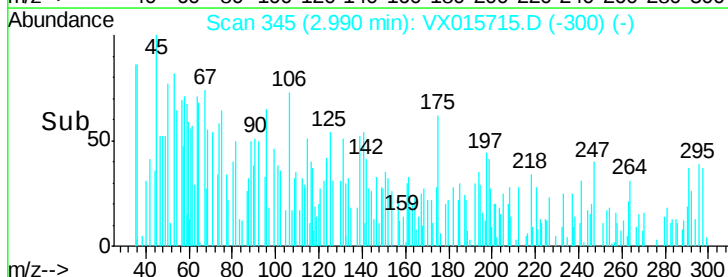
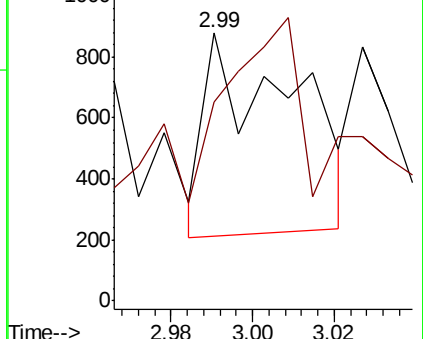
59 100

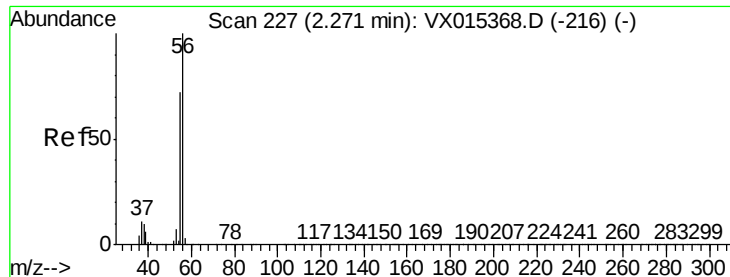
57 73.7 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

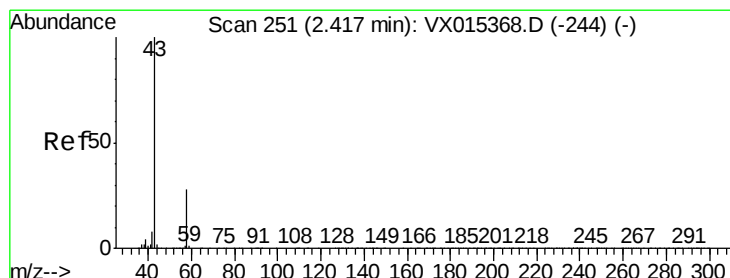
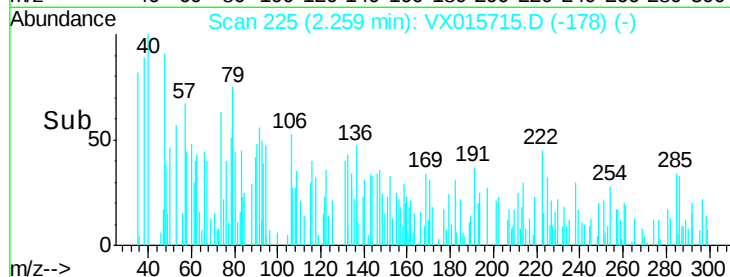
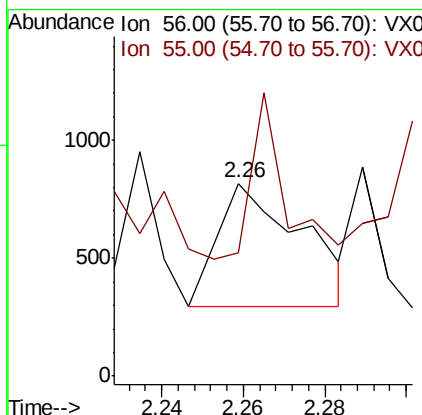
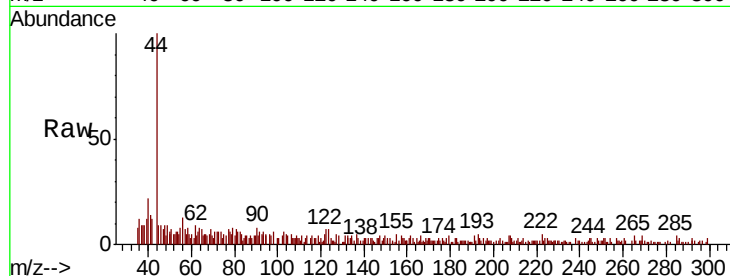




#13
Acrolein
Concen: 0.368 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX015715.D
Acq: 16 Apr 2020 16:23

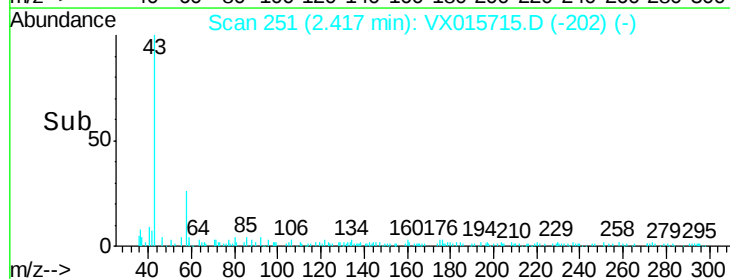
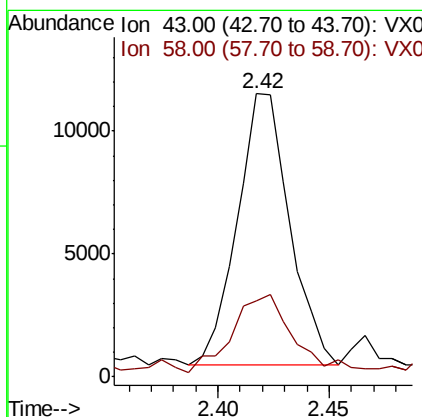
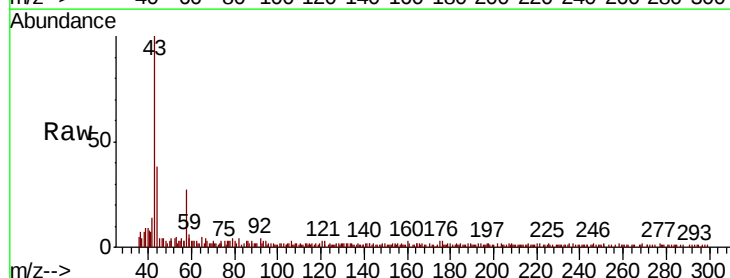
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180--GW-303-305

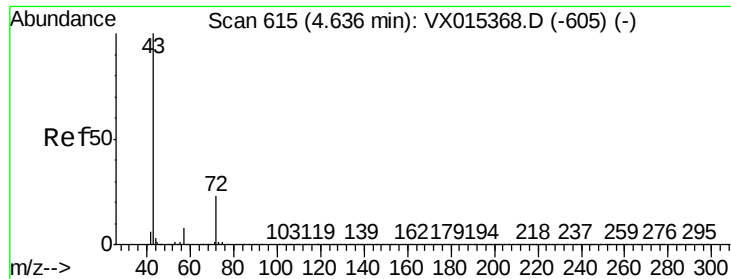
Tot Ion: 56 Resp: 749
Ion Ratio Lower Upper
56 100
55 52.7 57.0 85.4#



#16
Acetone
Concen: 2.823 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015715.D
Acq: 16 Apr 2020 16:23

Tgt Ion: 43 Resp: 18111
Ion Ratio Lower Upper
43 100
58 26.3 22.1 33.1

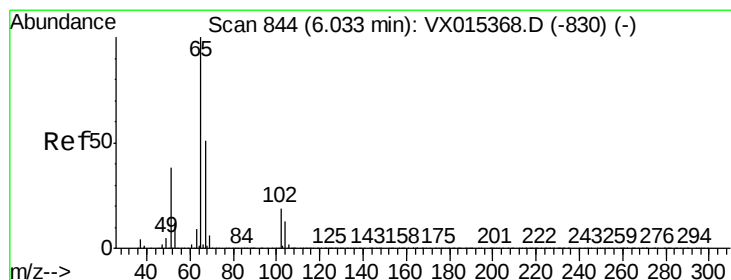
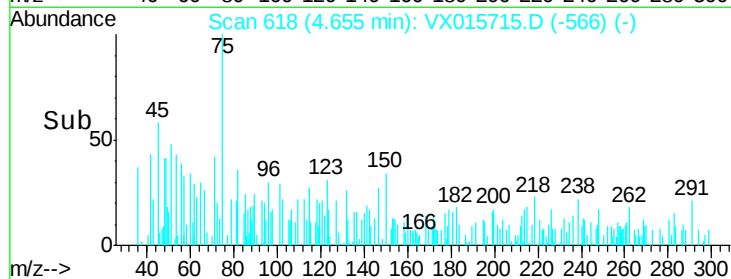
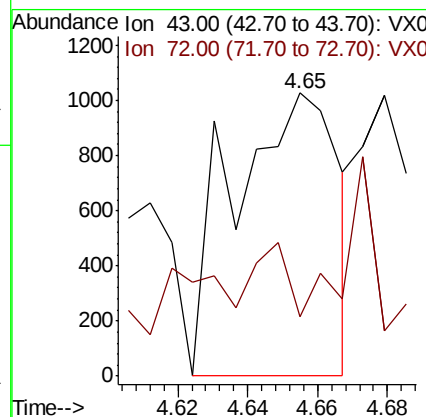
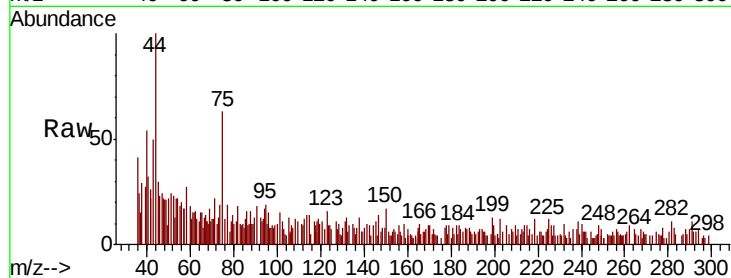




#25
2-Butanone
Concen: 0.207 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015715.D
Acq: 16 Apr 2020 16:23

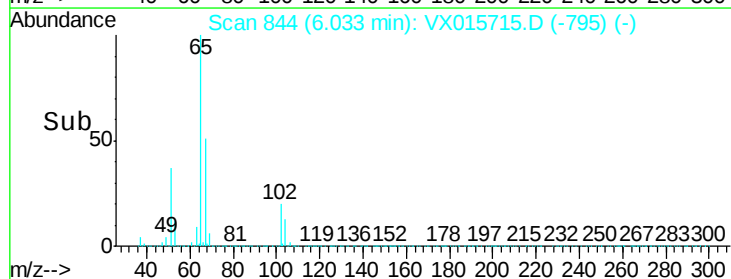
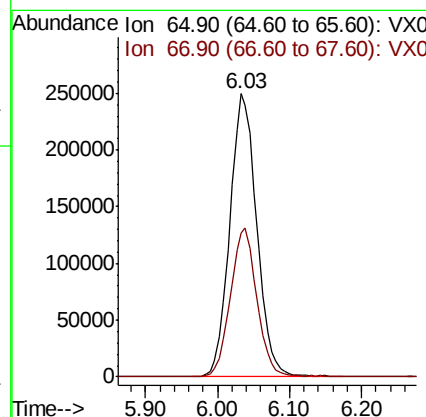
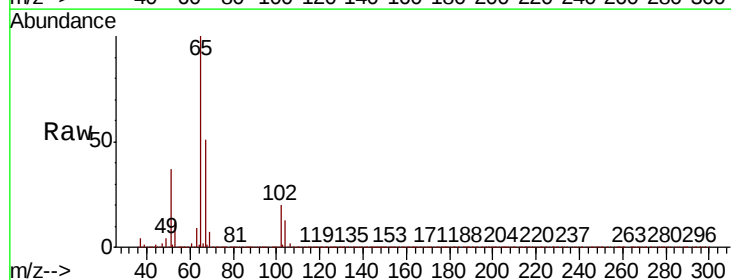
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180--GW-303-305

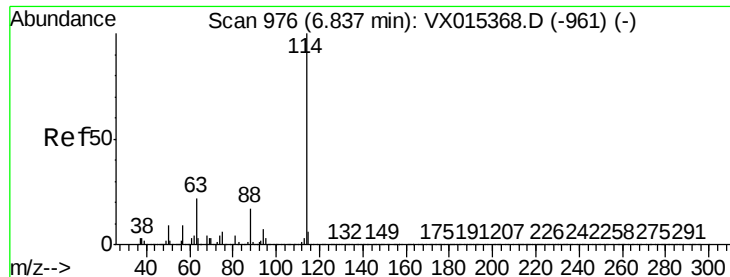
Tot Ion: 43 Resp: 2137
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.4#



#33
1,2-Dichloroethane-d4
Concen: 43.327 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015715.D
Acq: 16 Apr 2020 16:23

Tgt Ion: 65 Resp: 647003
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180--GW-303-305

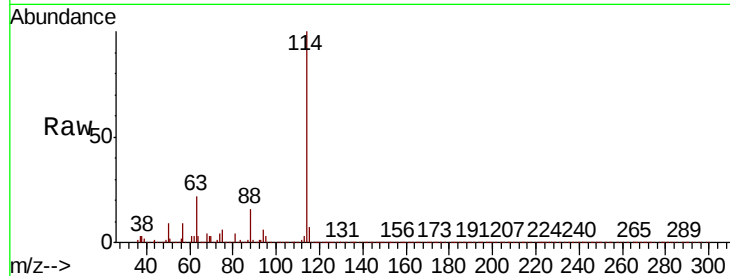
Tot Ion:114 Resp: 1656590

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

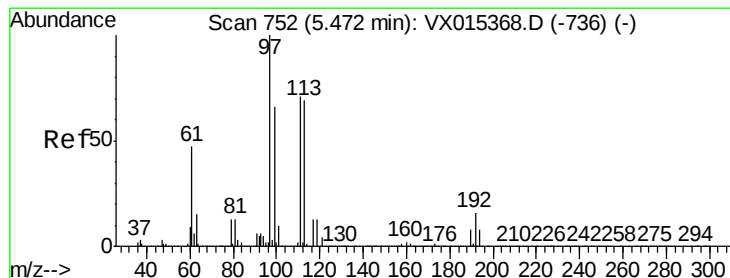
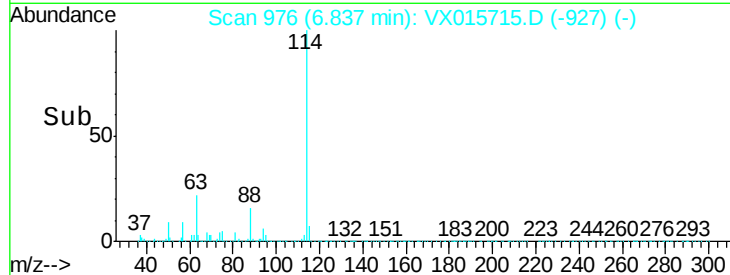
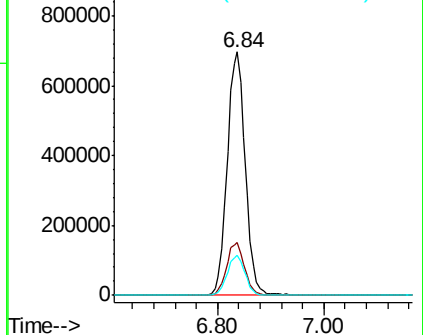
88 16.2 0.0 33.8



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



#35

Dibromofluoromethane

Concen: 47.203 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

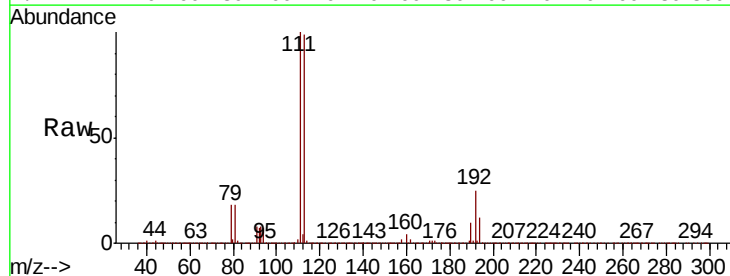
Tgt Ion:113 Resp: 499852

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

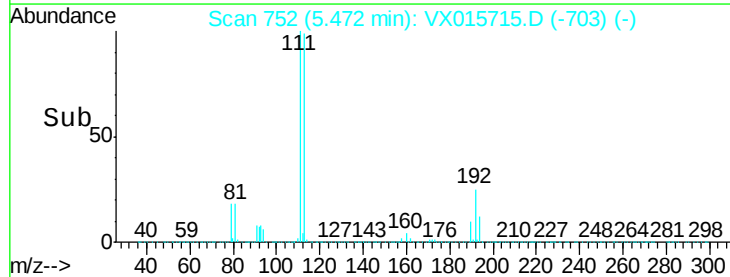
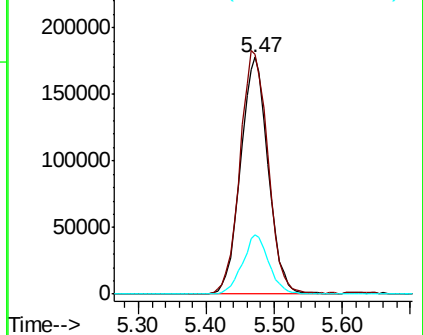
192 23.8 17.8 26.6

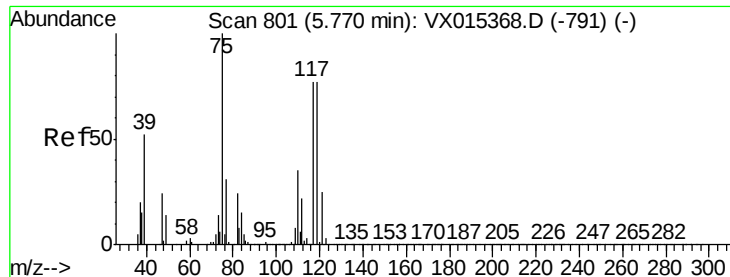


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

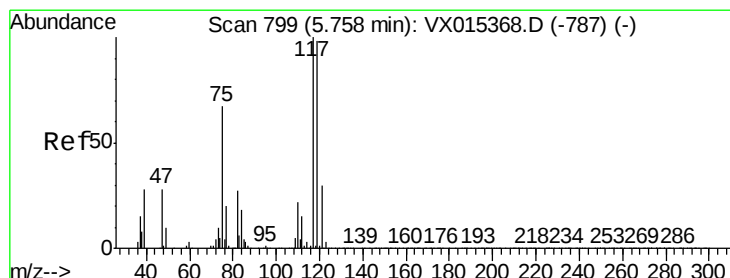
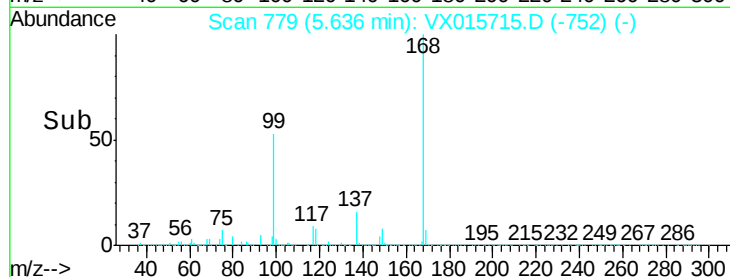
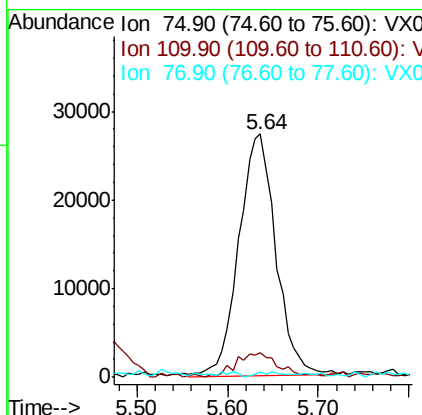
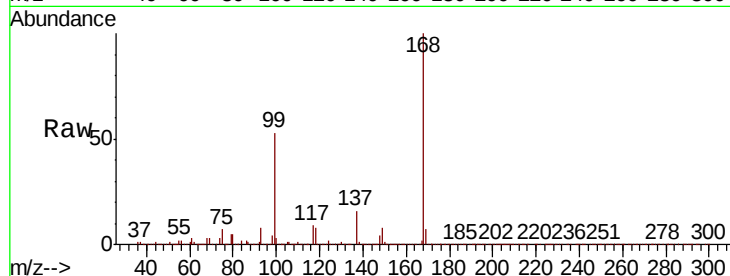




#36
 1,1-Dichloropropene
 Concen: 5.056 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015715.D
 Acq: 16 Apr 2020 16:23

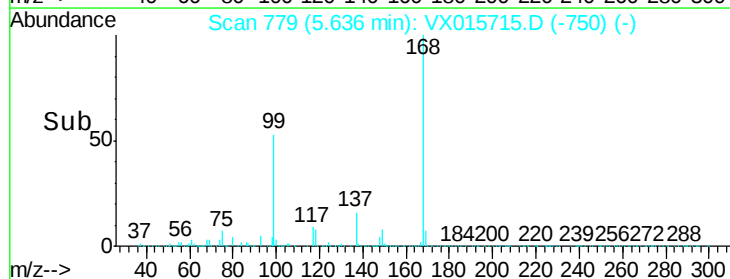
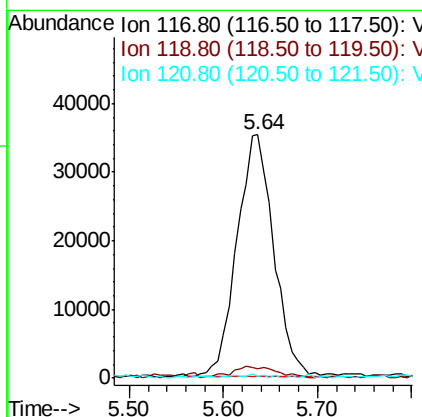
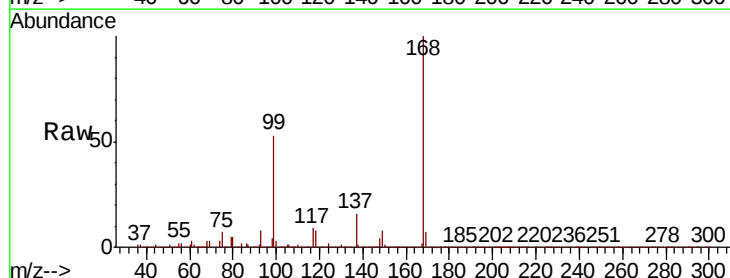
Instrument :
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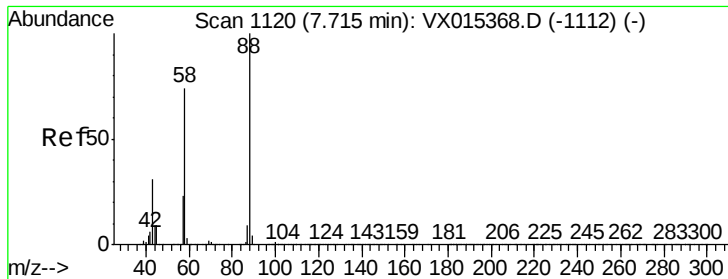
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.1	51.3#
77	1.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.803 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015715.D
 Acq: 16 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	78.0	117.0#
121	0.8	23.8	35.8#





#49

1,4-Dioxane

Concen: 2.636 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180--GW-303-305

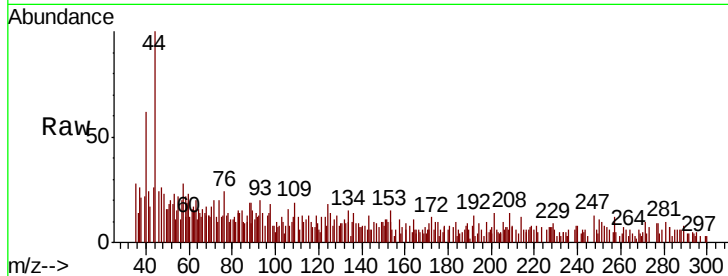
Tot Ion: 88 Resp: 824

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

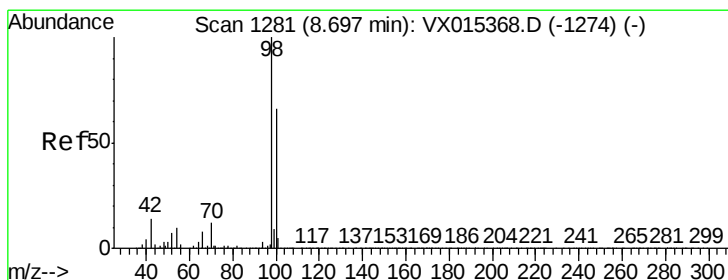
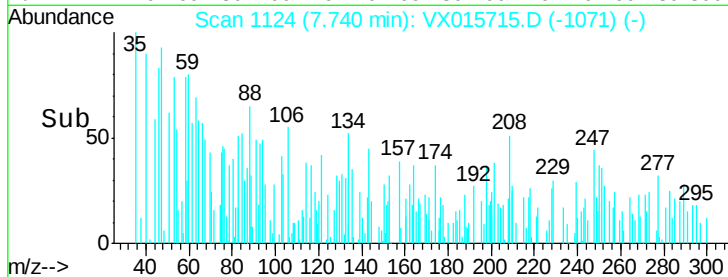
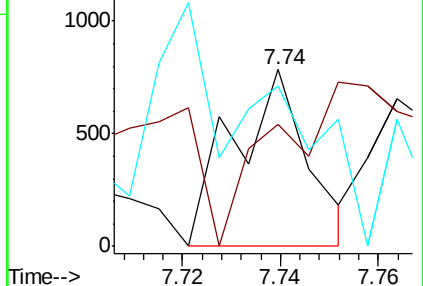
58 89.0 60.6 90.8



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: 50.321 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015715.D

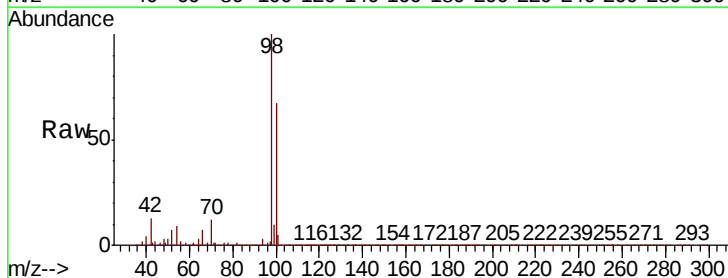
Acq: 16 Apr 2020 16:23

Tgt Ion: 98 Resp: 1961859

Ion Ratio Lower Upper

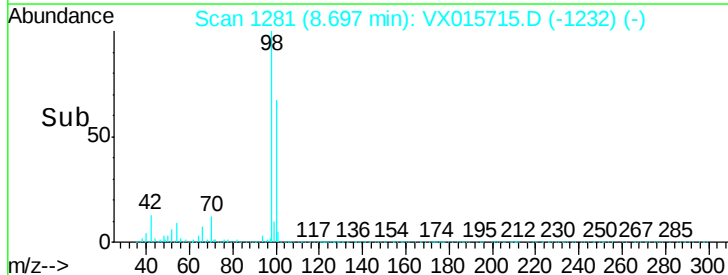
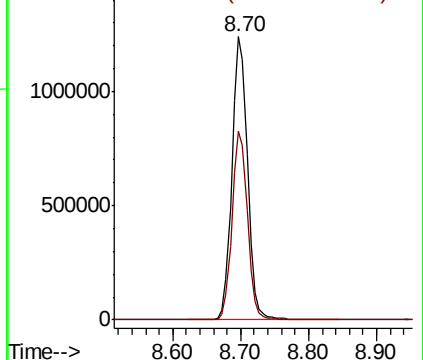
98 100

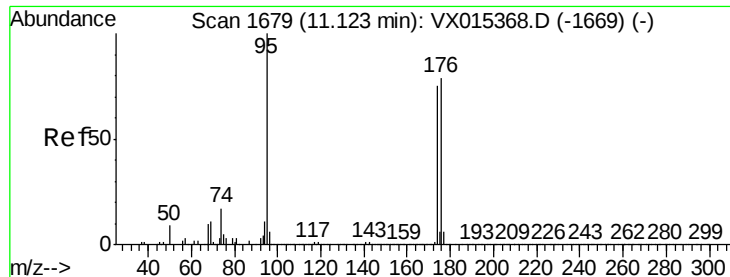
100 66.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.231 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180--GW-303-305

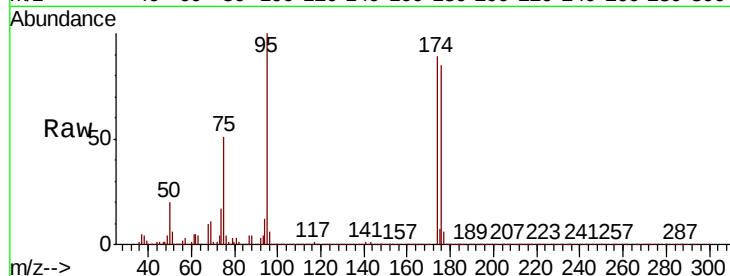
Tot Ion: 95 Resp: 827567

Ion Ratio Lower Upper

95 100

174 85.8 0.0 158.6

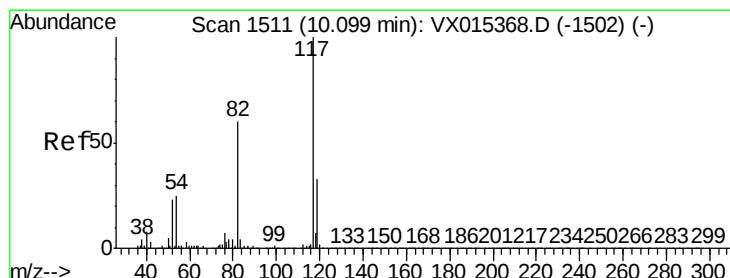
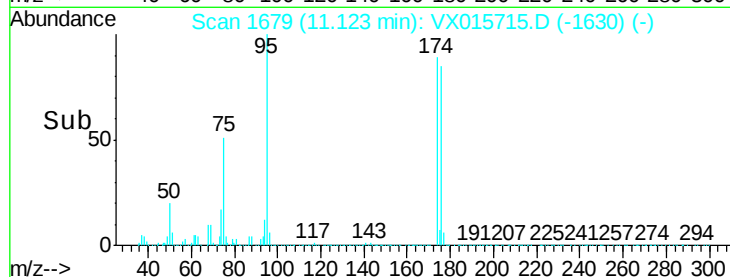
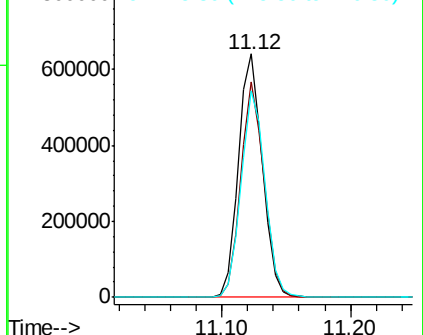
176 84.4 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

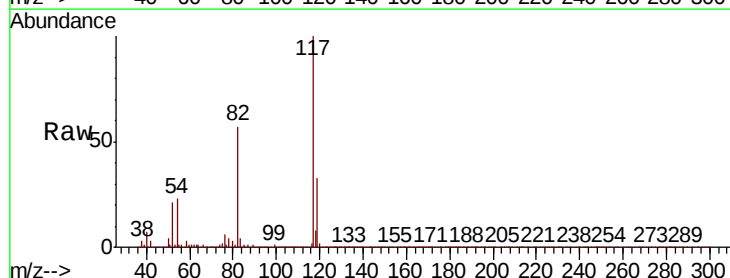
Tgt Ion: 117 Resp: 1586478

Ion Ratio Lower Upper

117 100

82 57.1 47.8 71.8

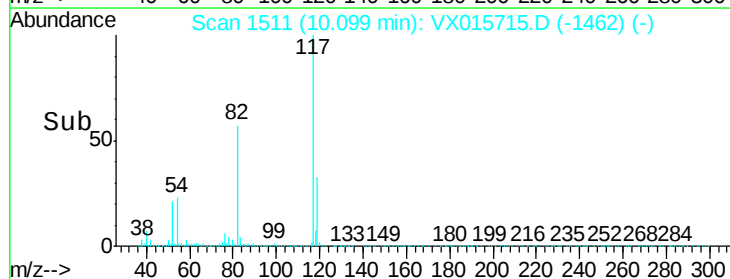
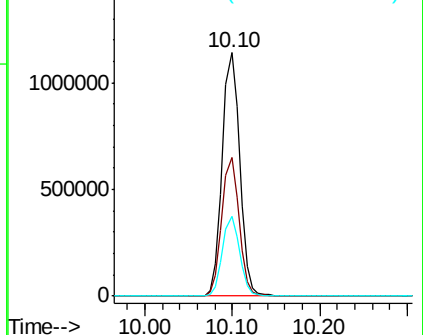
119 32.5 26.8 40.2

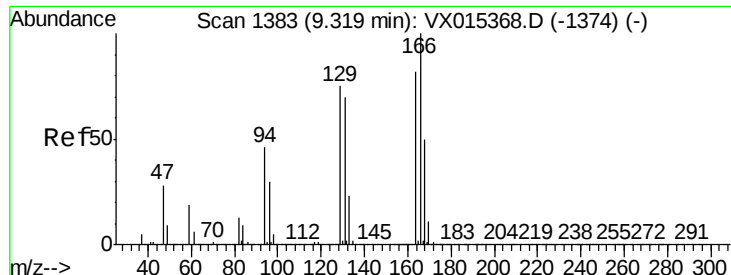


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

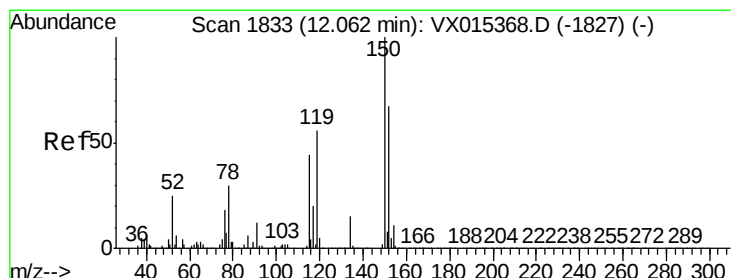
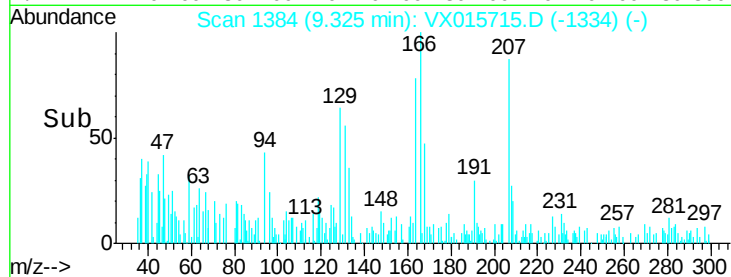
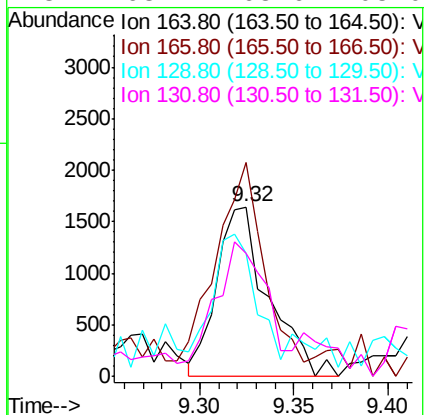
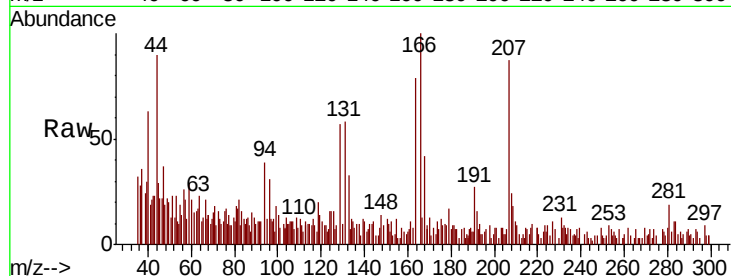




#64
Tetrachloroethene
Concen: 0.261 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015715.D
Acq: 16 Apr 2020 16:23

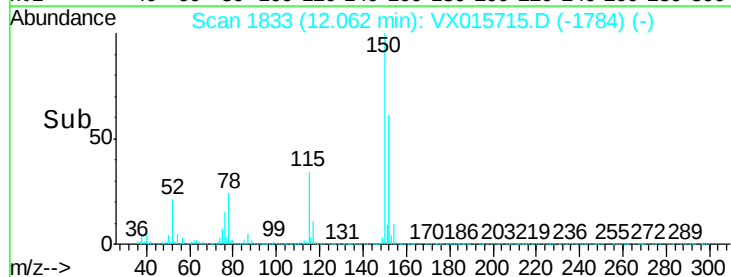
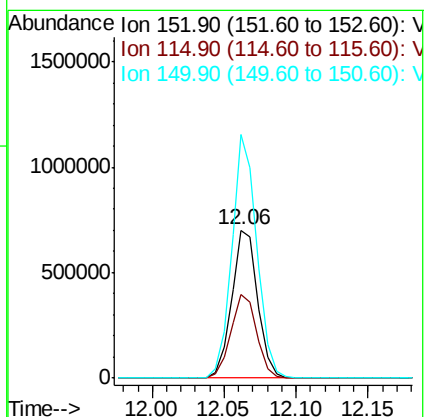
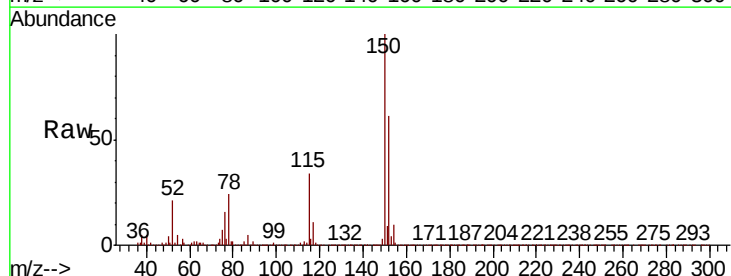
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180--GW-303-305

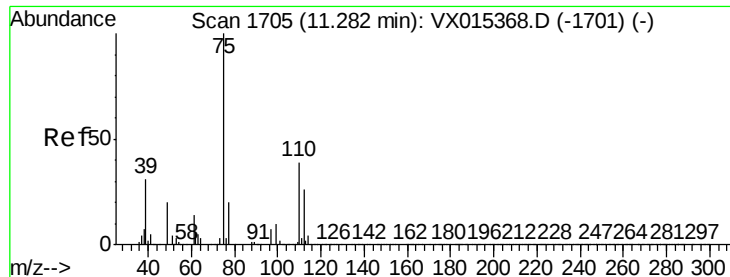
Tot Ion:	164	Resp:	3125
Ion	Ratio	Lower	Upper
164	100		
166	109.9	97.8	146.6
129	58.3	73.0	109.4#
131	63.7	68.6	103.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015715.D
Acq: 16 Apr 2020 16:23

Tgt Ion:	152	Resp:	882247
Ion	Ratio	Lower	Upper
152	100		
115	56.6	39.0	116.9
150	158.0	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 23.099 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

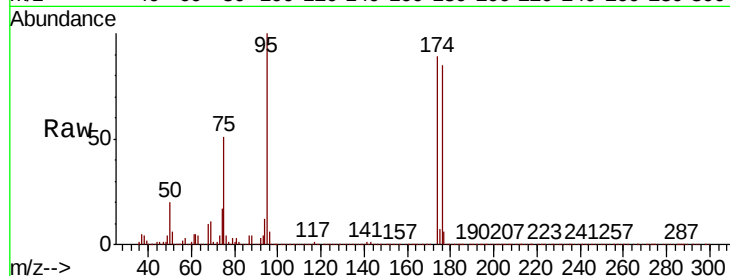
BP-VPB180--GW-303-305

Tot Ion: 75 Resp: 419072

Ion Ratio Lower Upper

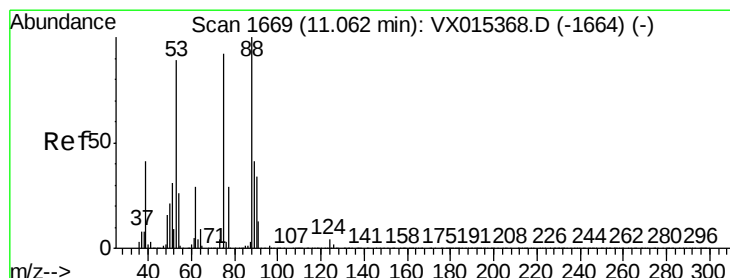
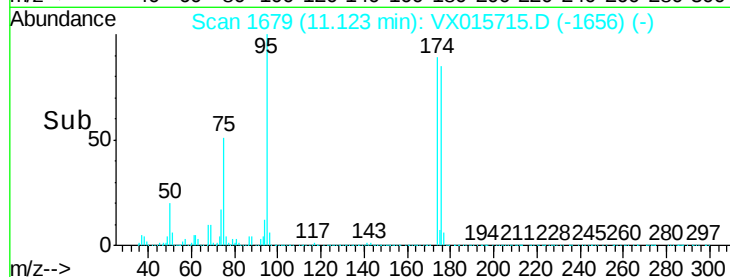
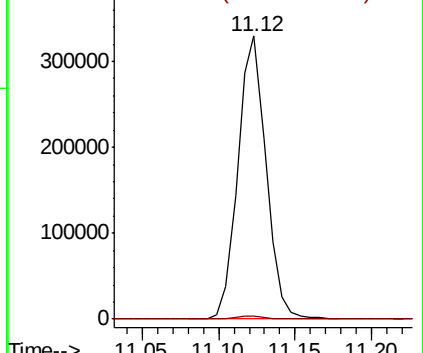
75 100

77 1.4 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: 55.424 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015715.D

Acq: 16 Apr 2020 16:23

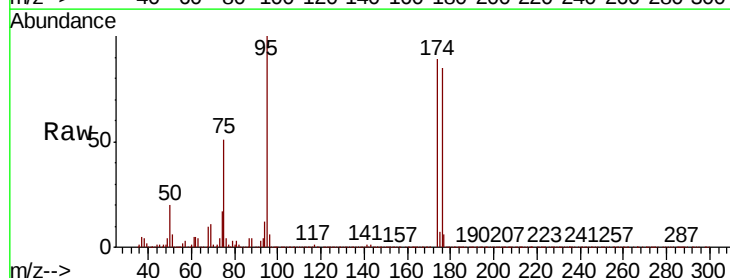
Tgt Ion: 75 Resp: 419072

Ion Ratio Lower Upper

75 100

53 0.4 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

