

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015418.D
 Acq On : 28 Mar 2020 06:33
 Operator : JC/SP
 Sample : L2018-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Mar 30 01:54:57 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	1077853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1787189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1692265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	921061	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	741133	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	5.47	113	566583	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	8.70	98	2172421	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.12	95	944661	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	

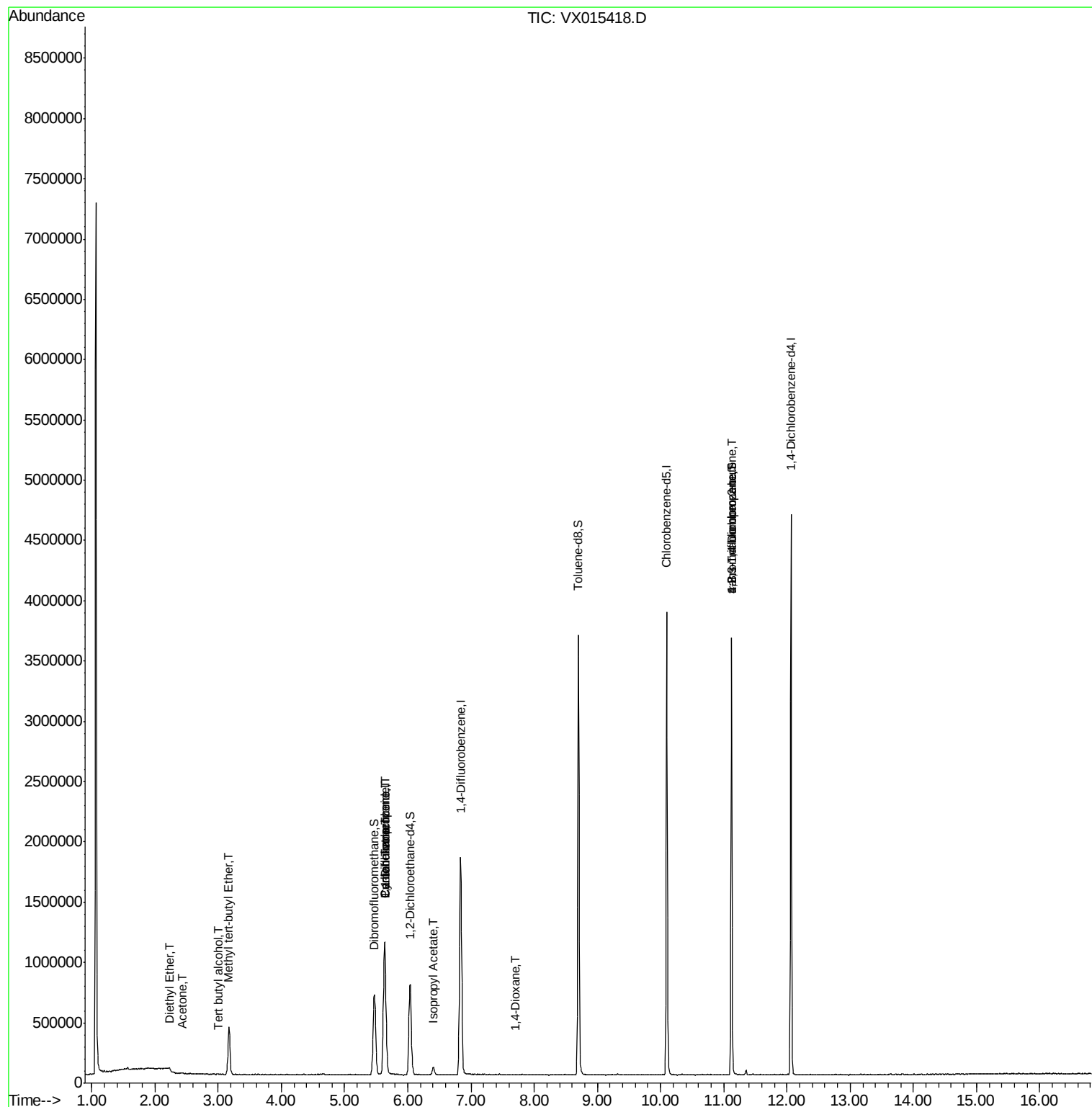
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	507	Below Cal	#	41
8) Diethyl Ether	2.23	74	1478	0.235	ug/l	63
11) Tert butyl alcohol	3.01	59	4847	1.332	ug/l #	73
16) Acetone	2.43	43	5026	0.770	ug/l	90
19) Methyl tert-butyl Ether	3.17	73	437331	11.081	ug/l	99
31) Cyclohexane	5.64	56	23385	1.215	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	84683	5.143	ug/l #	51
38) Carbon Tetrachloride	5.63	117	100326	5.625	ug/l #	15
43) Isopropyl Acetate	6.40	43	26384	0.729	ug/l #	26
49) 1,4-Dioxane	7.70	88	494	1.465	ug/l #	20
76) 1,2,3-Trichloropropane	11.12	75	484031	25.555	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	484031	61.318	ug/l #	10

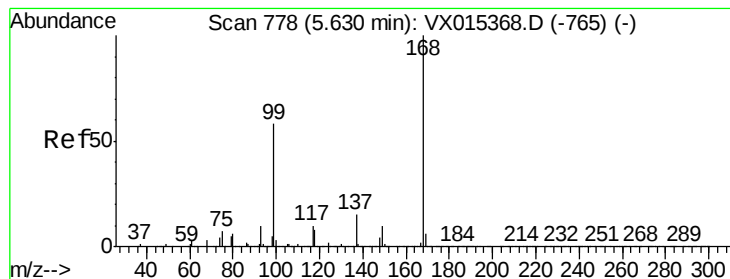
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampled :

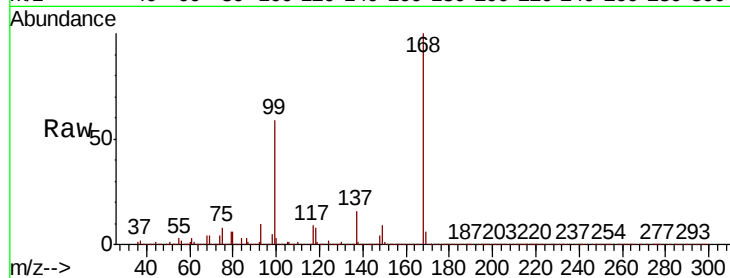
MW-4

Tot Ion:168 Resp: 1077853

Ion Ratio Lower Upper

168 100

99 58.7 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

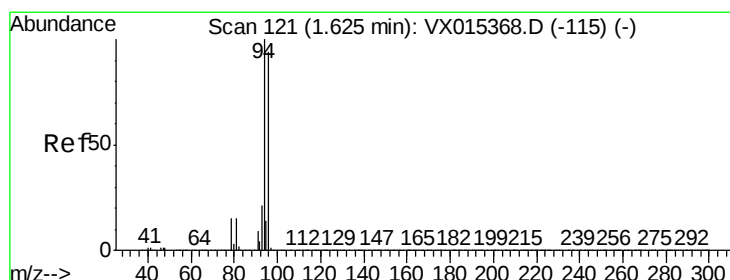
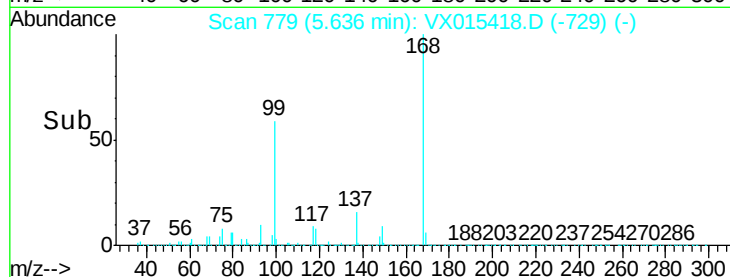
200000

100000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015418.D

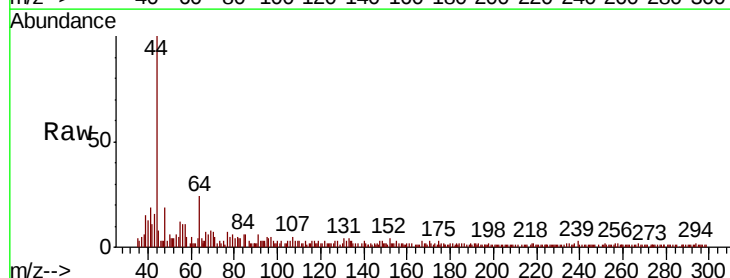
Acq: 28 Mar 2020 06:33

Tgt Ion: 94 Resp: 507

Ion Ratio Lower Upper

94 100

96 36.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.61

800

600

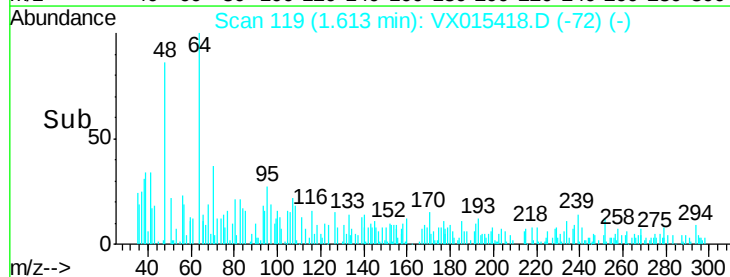
400

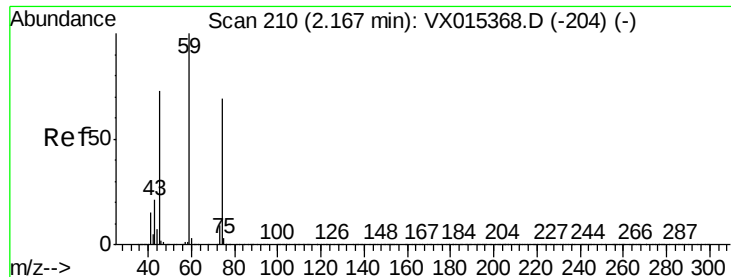
200

0

1.58 1.60 1.62

Time-->





#8

Diethyl Ether

Concen: 0.235 ug/l

RT: 2.23 min Scan# 220

Delta R.T. 0.06 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampled :

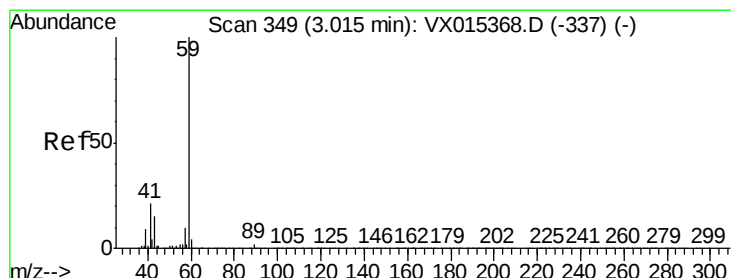
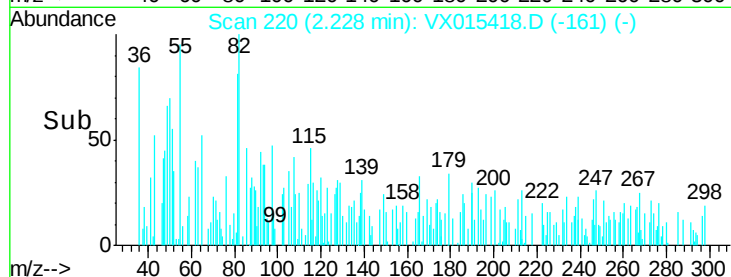
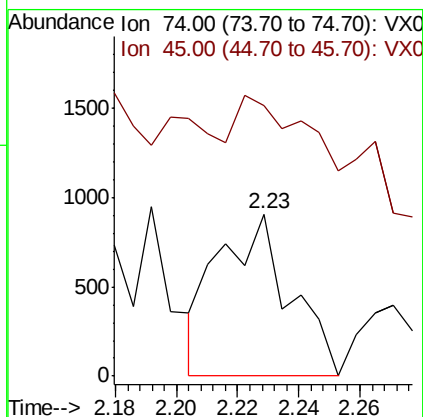
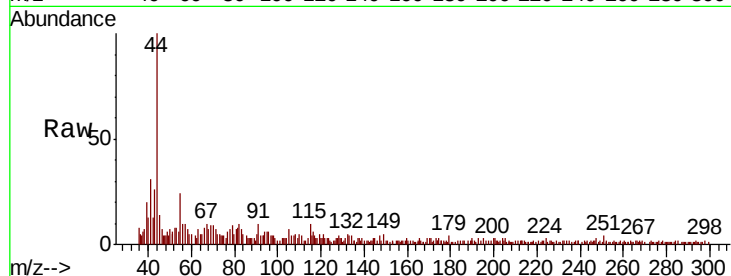
MW-4

Tot Ion: 74 Resp: 1478

Ion Ratio Lower Upper

74 100

45 146.0 53.8 161.4



#11

Tert butyl alcohol

Concen: 1.332 ug/l

RT: 3.01 min Scan# 349

Delta R.T. 0.00 min

Lab File: VX015418.D

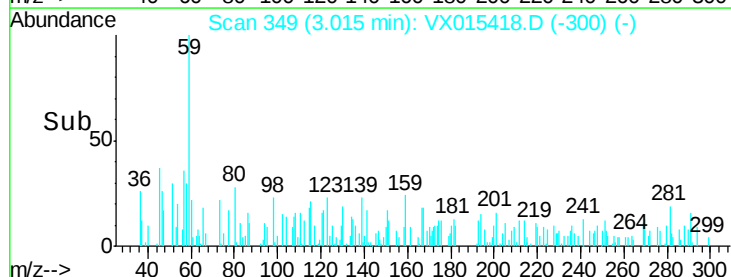
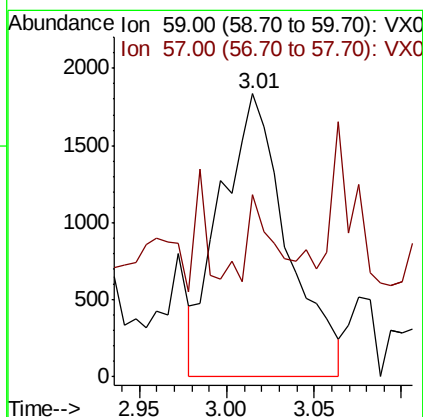
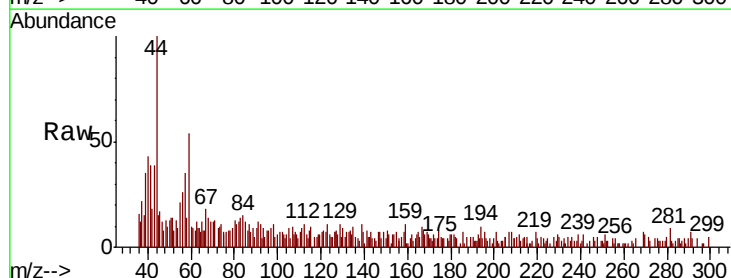
Acq: 28 Mar 2020 06:33

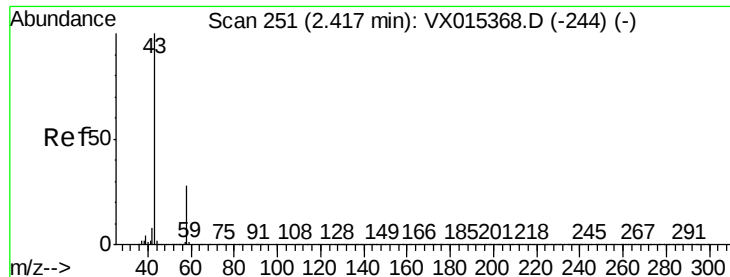
Tgt Ion: 59 Resp: 4847

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

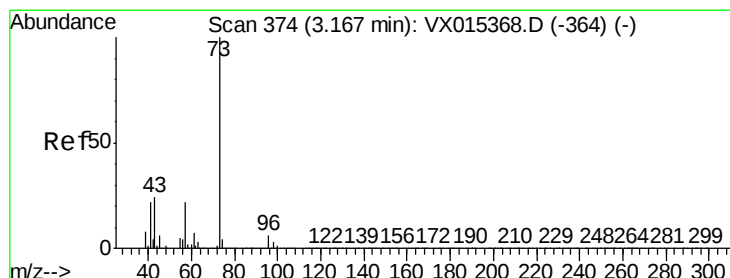
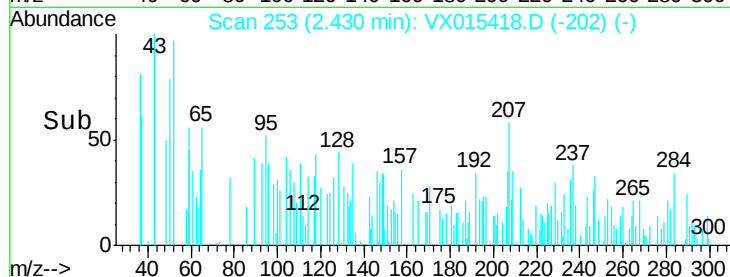
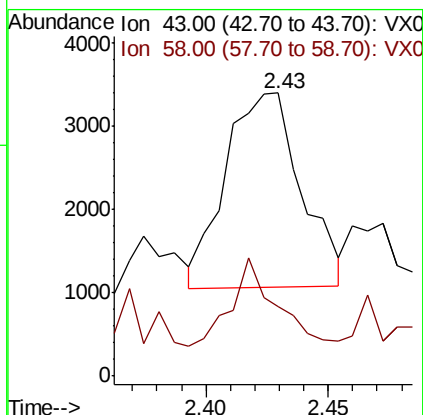
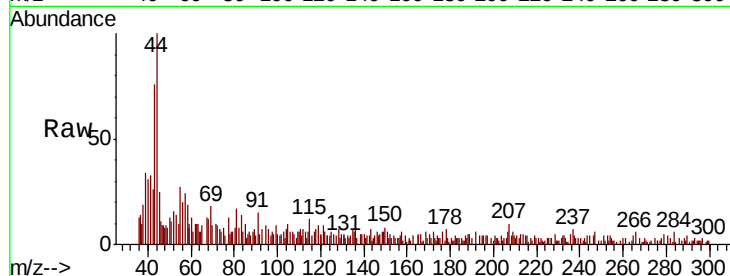




#16
Acetone
Concen: 0.770 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.01 min
Lab File: VX015418.D
Acq: 28 Mar 2020 06:33

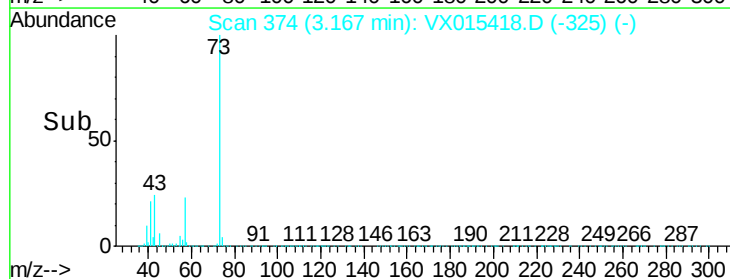
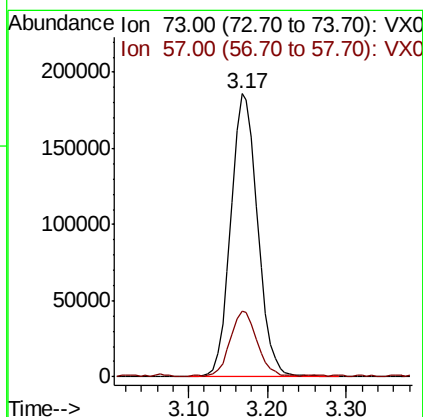
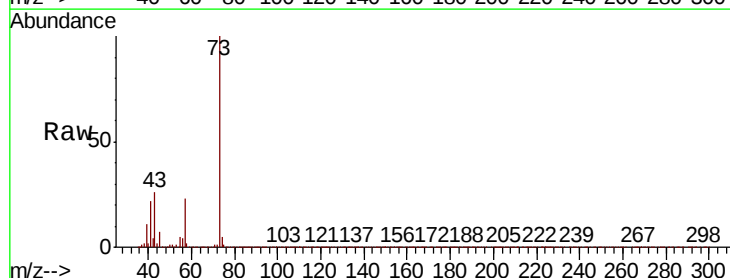
Instrument :
MSVOA_X
ClientSampled :
MW-4

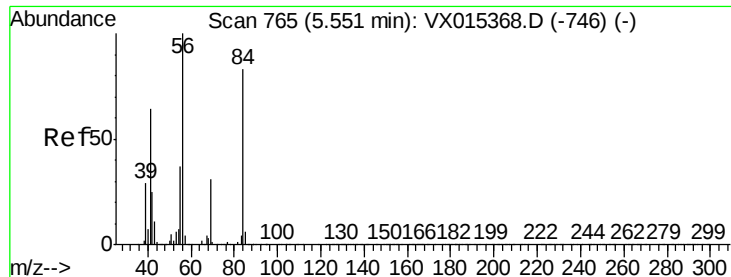
Tot Ion: 43 Resp: 5026
Ion Ratio Lower Upper
43 100
58 22.6 22.1 33.1



#19
Methyl tert-butyl Ether
Concen: 11.081 ug/l
RT: 3.17 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX015418.D
Acq: 28 Mar 2020 06:33

Tgt Ion: 73 Resp: 437331
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9

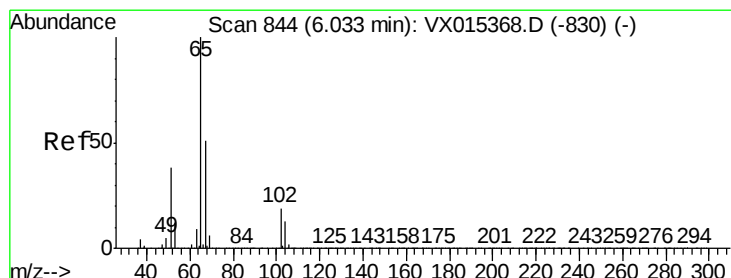
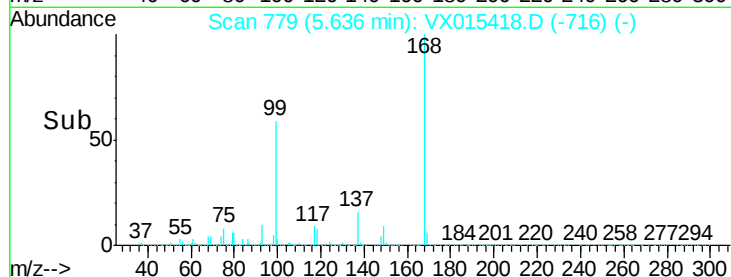
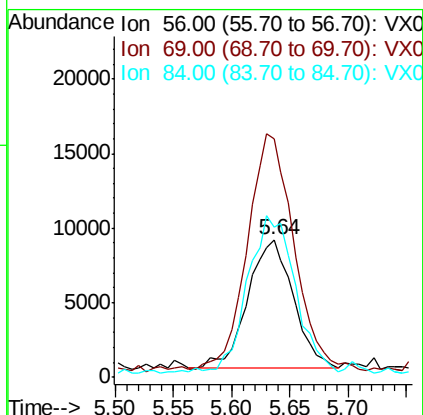
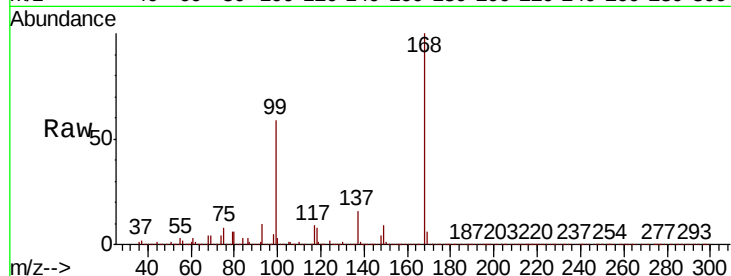




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015418.D
Acq: 28 Mar 2020 06:33

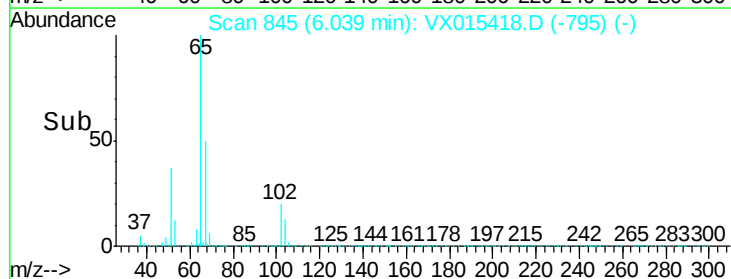
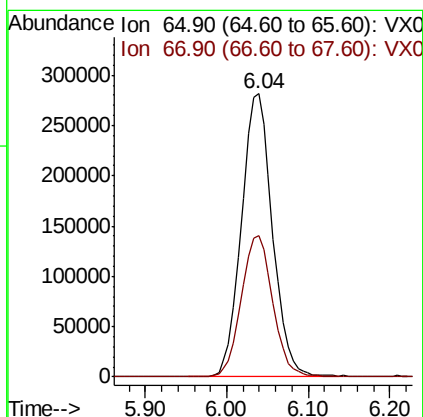
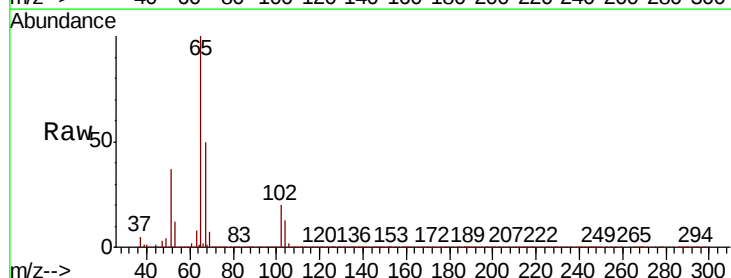
Instrument :
MSVOA_X
ClientSampled :
MW-4

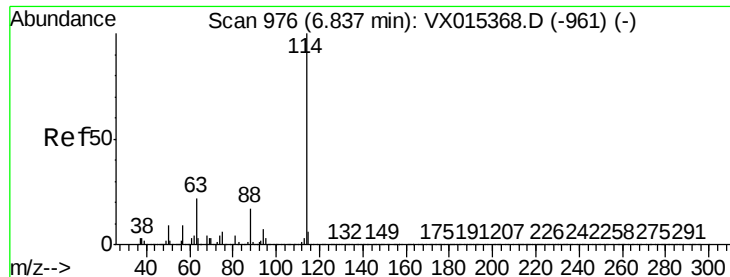
Tot Ion	56	Resp	23385
Ion Ratio	Lower	Upper	
56	100		
69	179.8	24.6	36.8#
84	112.5	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 48.753 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015418.D
Acq: 28 Mar 2020 06:33

Tgt Ion	65	Resp	741133
Ion Ratio	Lower	Upper	
65	100		
67	50.1	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: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4

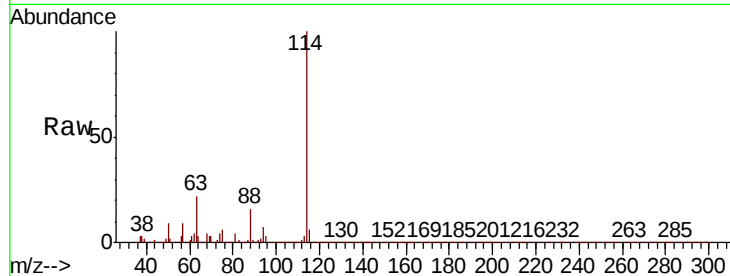
Tot Ion:114 Resp: 1787189

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

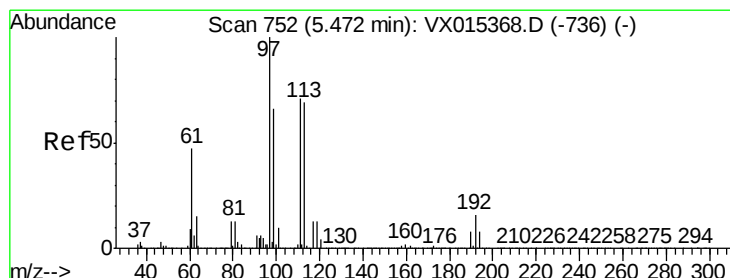
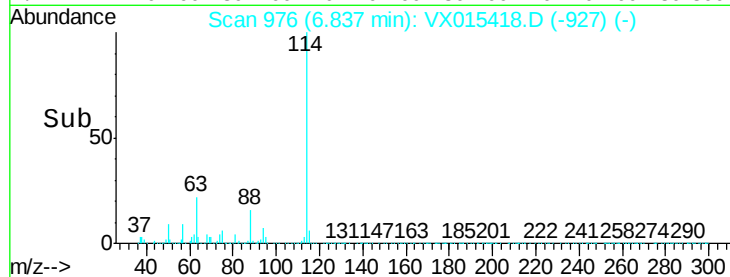
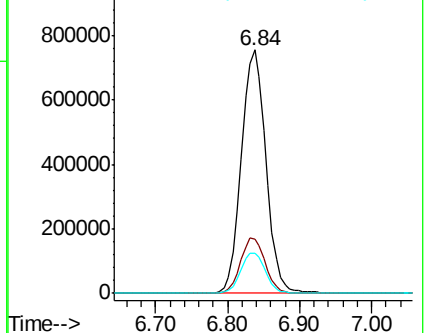
88 16.3 0.0 33.8



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: 49.595 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

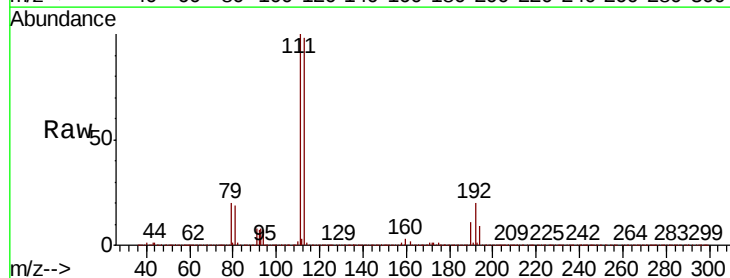
Tgt Ion:113 Resp: 566583

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

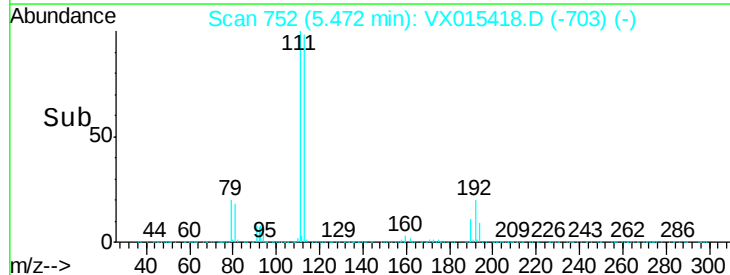
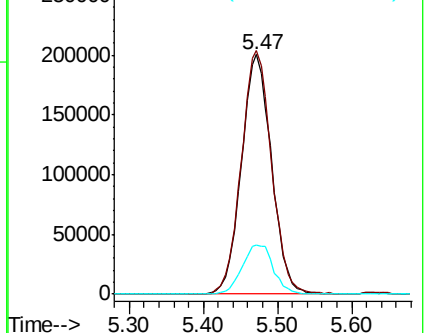
192 21.2 17.8 26.6

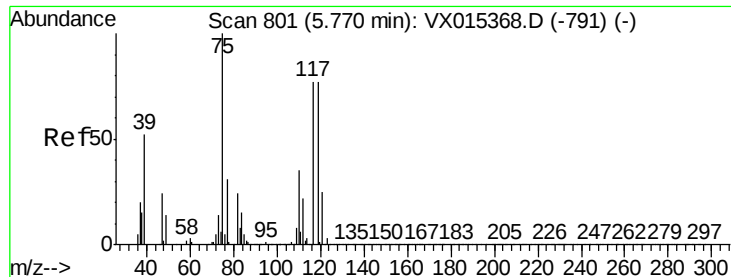


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

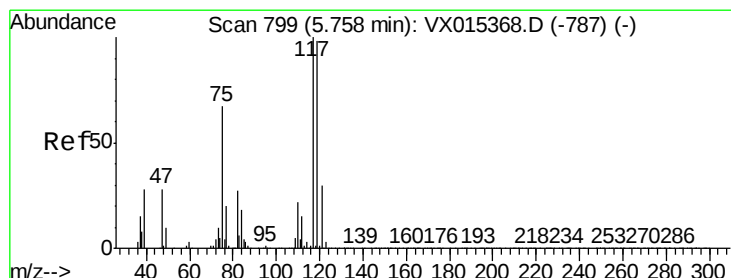
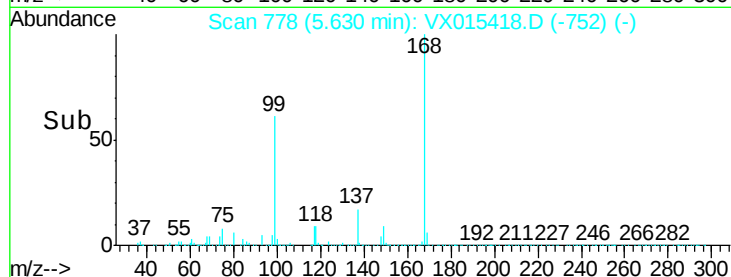
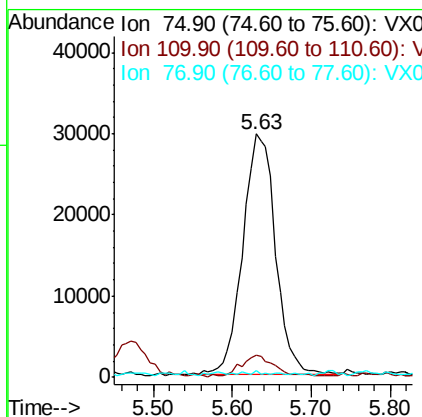
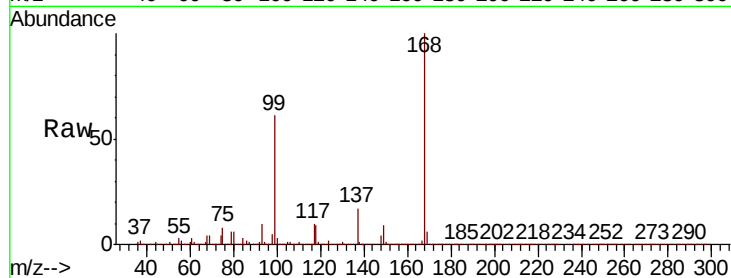




#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015418.D
 Acq: 28 Mar 2020 06:33

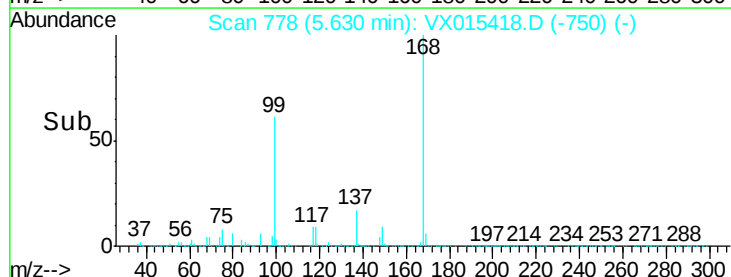
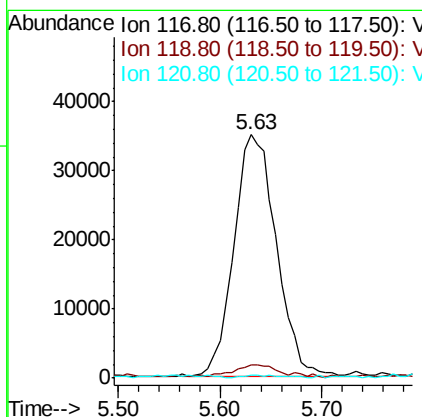
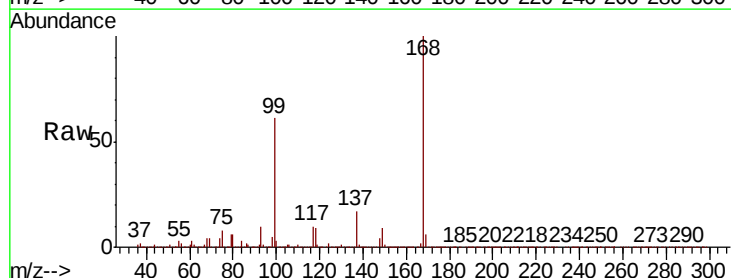
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

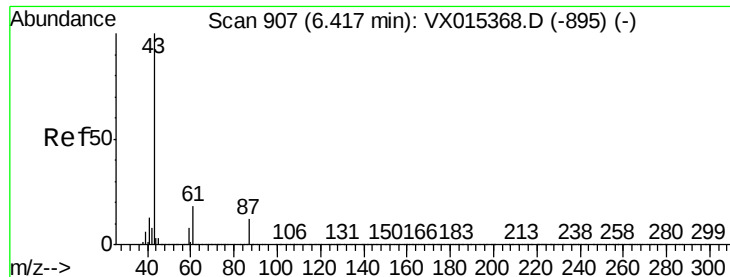
Tot Ion	75	Resp	84683
Ion Ratio	100	Lower	Upper
110	9.4	17.1	51.3#
77	0.4	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.625 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015418.D
 Acq: 28 Mar 2020 06:33

Tgt Ion	117	Resp	100326
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.2	78.0	117.0#
121	0.2	23.8	35.8#





#43

Isopropyl Acetate

Concen: 0.729 ug/l

RT: 6.40 min Scan# 905

Delta R.T. -0.01 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampled :

MW-4

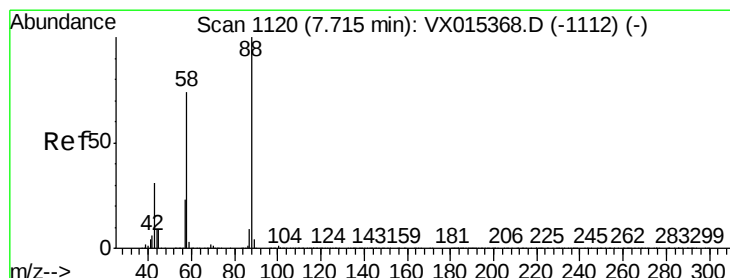
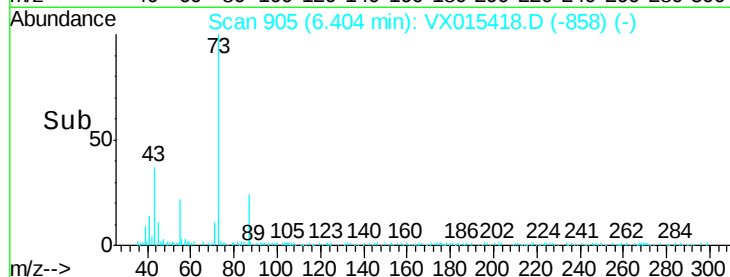
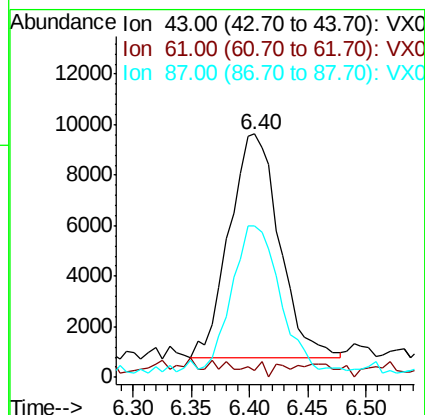
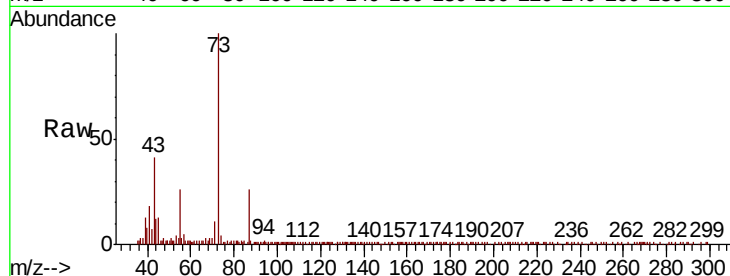
Tot Ion: 43 Resp: 26384

Ion Ratio Lower Upper

43 100

61 0.4 14.8 22.2#

87 60.9 9.4 14.0#



#49

1,4-Dioxane

Concen: 1.465 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

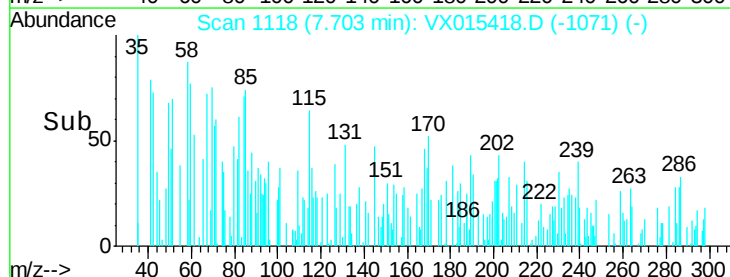
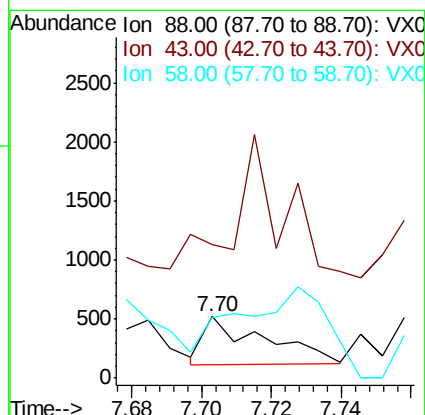
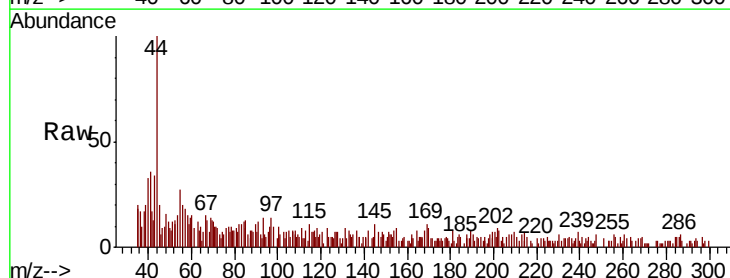
Tgt Ion: 88 Resp: 494

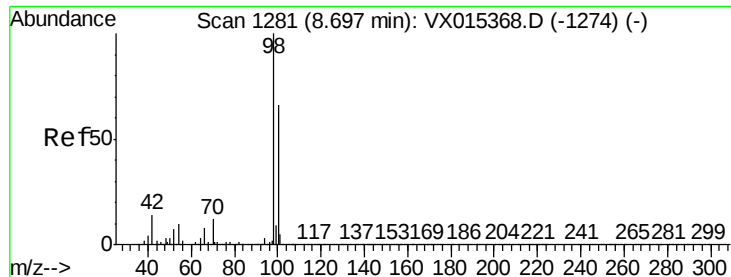
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 51.649 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampled :

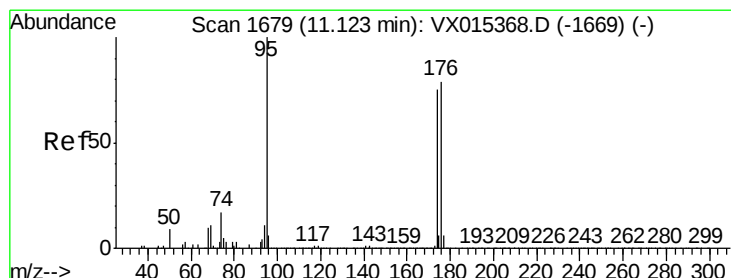
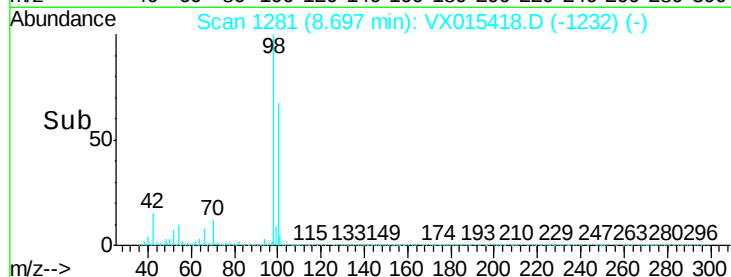
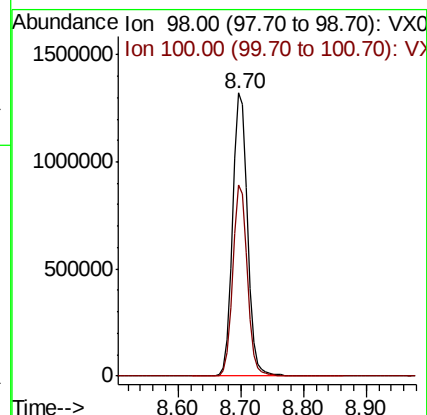
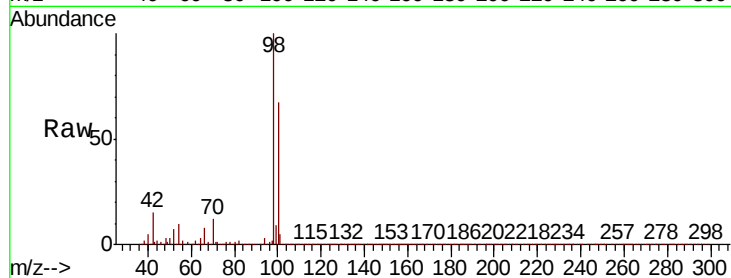
MW-4

Tot Ion: 98 Resp: 2172421

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 55.264 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

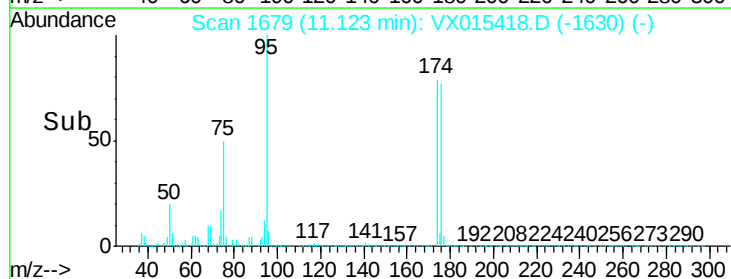
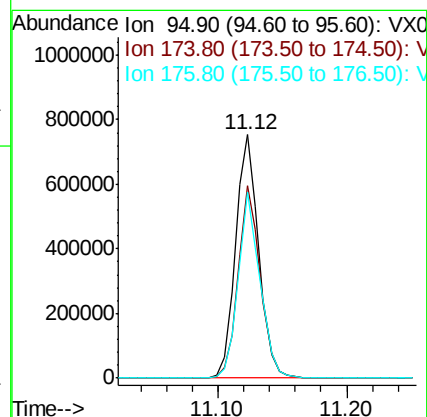
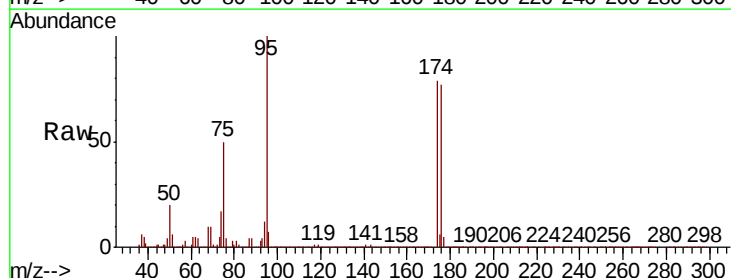
Tgt Ion: 95 Resp: 944661

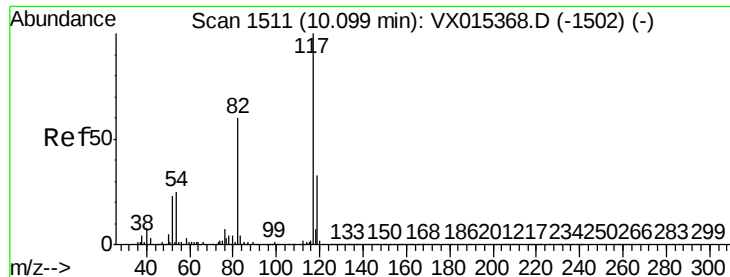
Ion Ratio Lower Upper

95 100

174 76.0 0.0 158.6

176 72.3 0.0 159.0

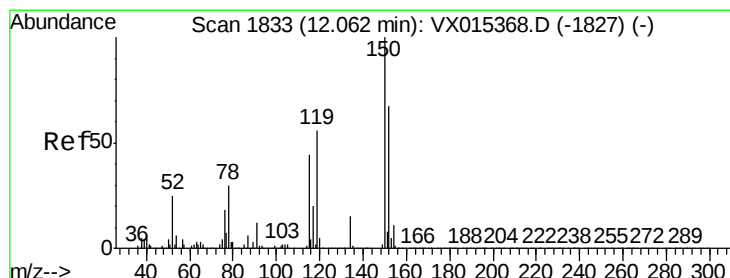
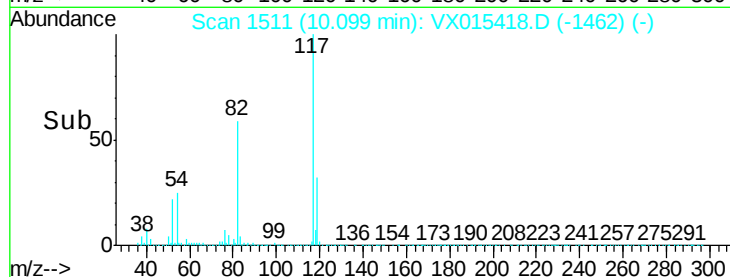
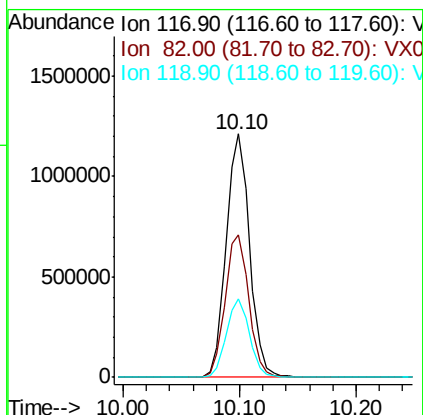
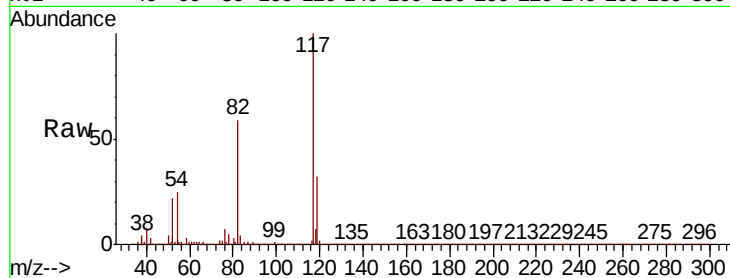




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015418.D
Acq: 28 Mar 2020 06:33

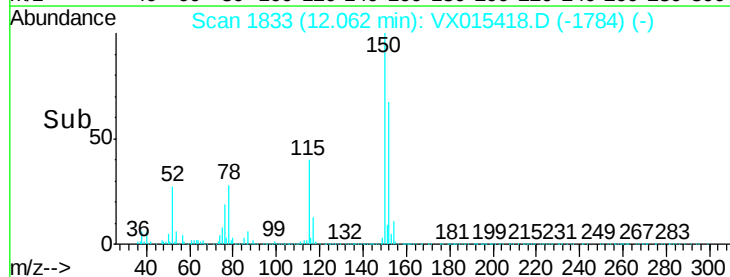
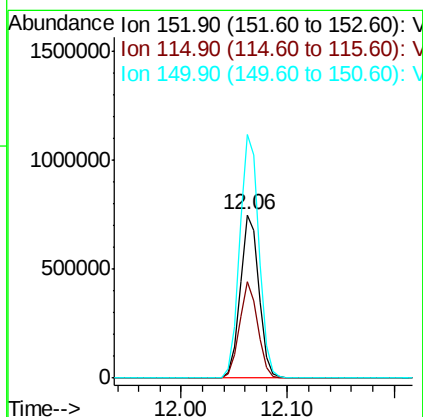
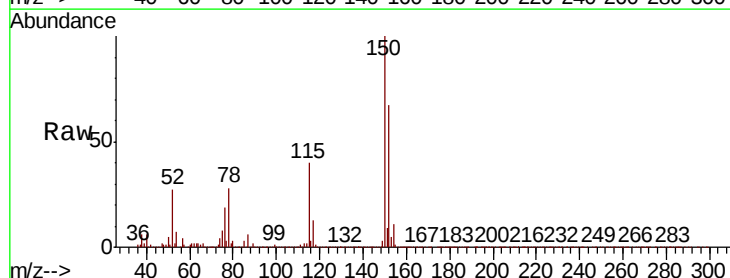
Instrument :
MSVOA_X
ClientSampleId :
MW-4

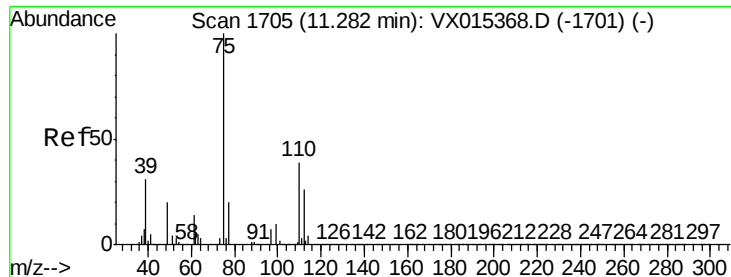
Tot Ion:117 Resp: 1692265
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 32.5 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015418.D
Acq: 28 Mar 2020 06:33

Tgt Ion:152 Resp: 921061
Ion Ratio Lower Upper
152 100
115 57.5 39.0 116.9
150 153.7 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.555 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

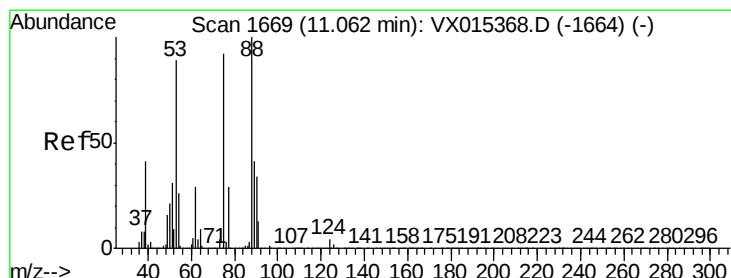
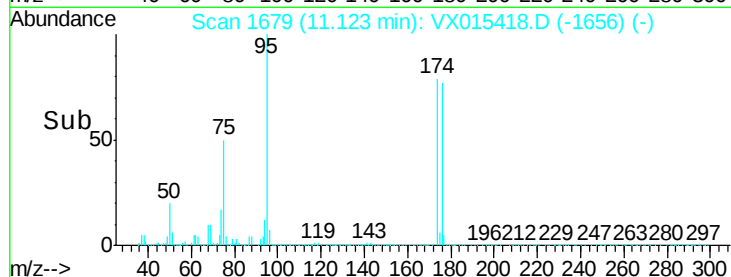
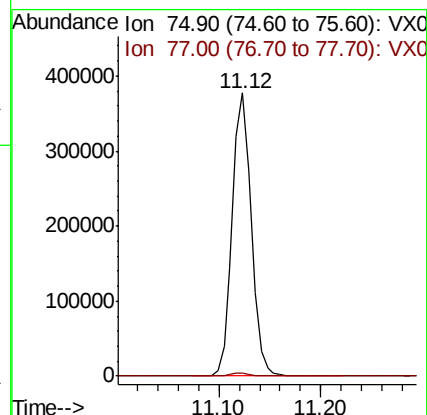
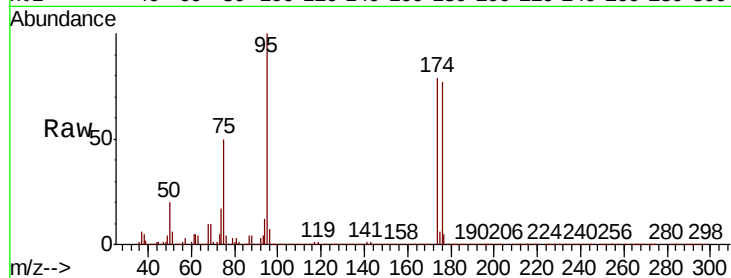
MW-4

Tot Ion: 75 Resp: 484031

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.318 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Tgt Ion: 75 Resp: 484031

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#

