

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015408.D
 Acq On : 28 Mar 2020 02:47
 Operator : JC/SP
 Sample : L2021-01 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-A

Quant Time: Mar 30 01:52:03 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	1101165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1815152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1757549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	921507	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	750372	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	5.47	113	578779	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	8.70	98	2209285	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.12	95	950738	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	

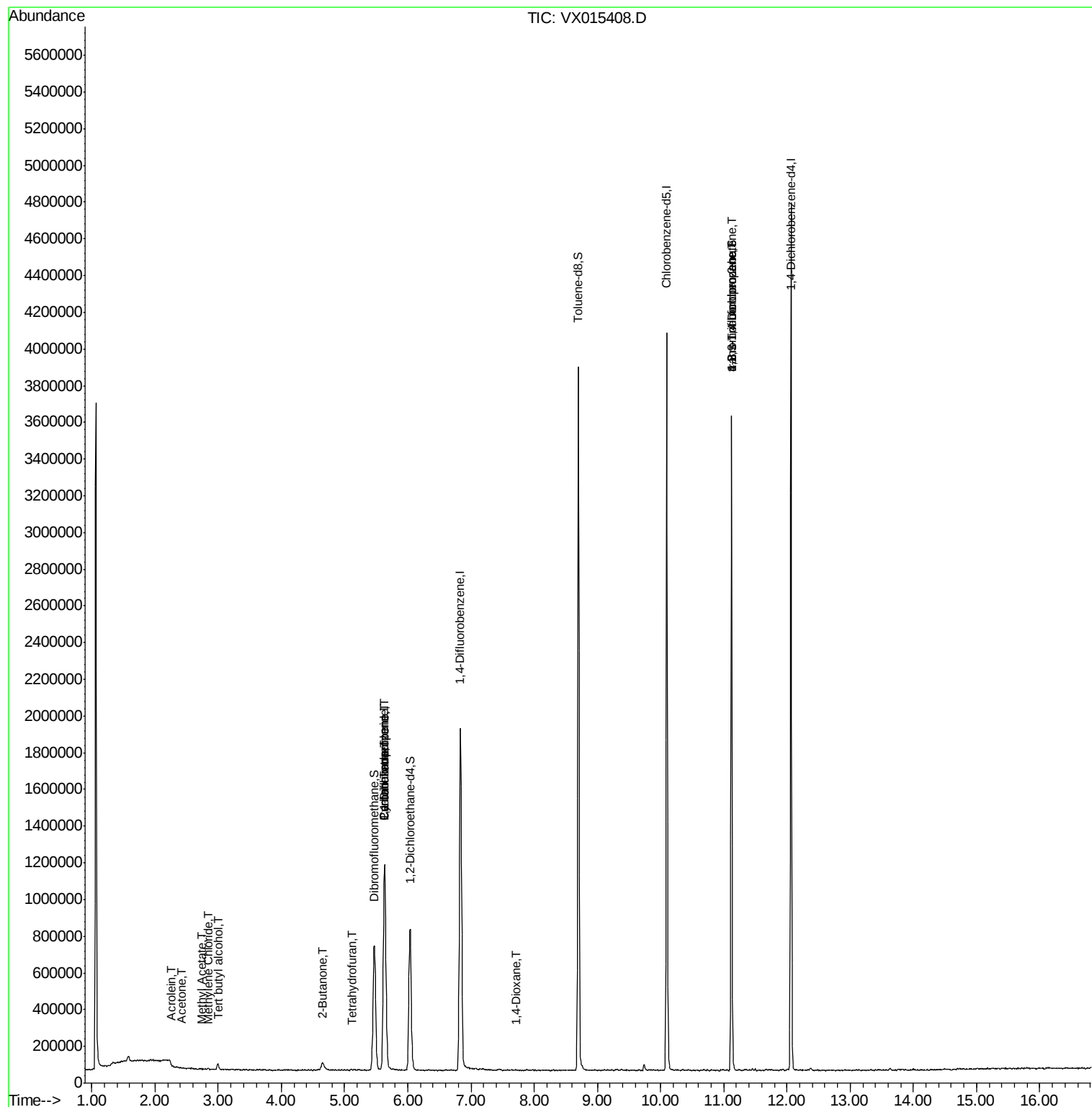
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	696	Below Cal		83
11) Tert butyl alcohol	3.00	59	22592	6.077	ug/l #	87
13) Acrolein	2.27	56	828	0.391	ug/l #	14
16) Acetone	2.42	43	3419	0.512	ug/l	96
18) Methyl Acetate	2.75	43	4070	0.239	ug/l #	41
20) Methylene Chloride	2.84	84	2820	0.226	ug/l #	82
25) 2-Butanone	4.66	43	2222	0.207	ug/l #	52
29) Tetrahydrofuran	5.12	42	1546	0.224	ug/l #	63
31) Cyclohexane	5.62	56	22992	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	85003	5.083	ug/l #	51
38) Carbon Tetrachloride	5.64	117	105965	5.850	ug/l #	14
49) 1,4-Dioxane	7.72	88	354	1.033	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	488663	25.787	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	488663	61.874	ug/l #	10

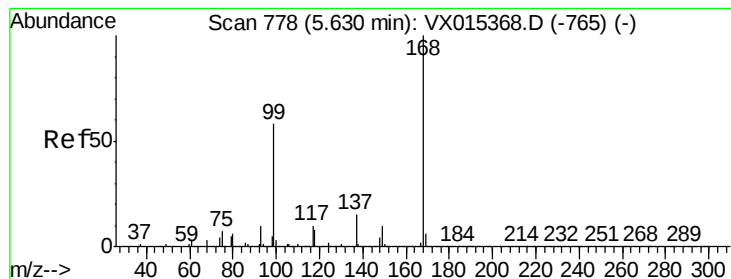
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Instrument :

MSVOA_X

ClientSampleId :

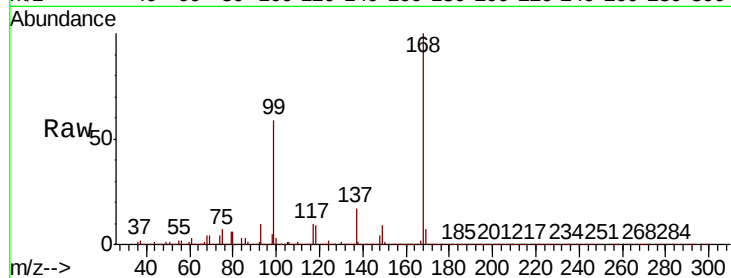
MW-A

Tot Ion:168 Resp: 1101165

Ion Ratio Lower Upper

168 100

99 58.8 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

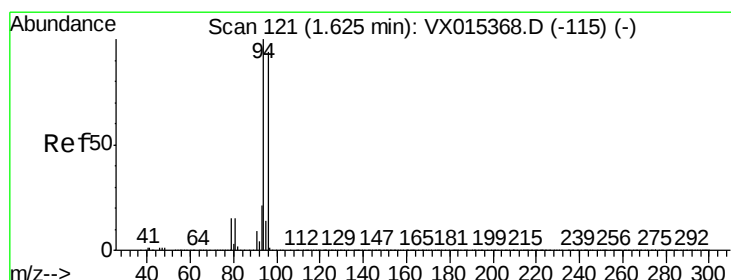
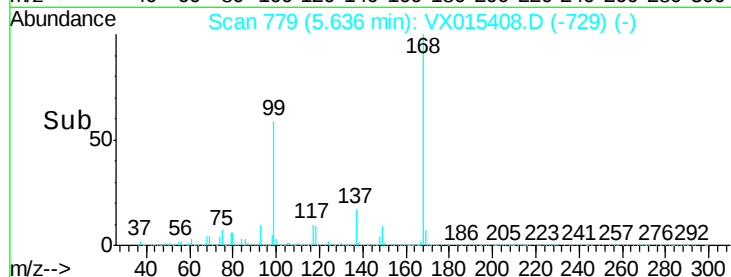
Time-->

5.50

5.60

5.70

5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015408.D

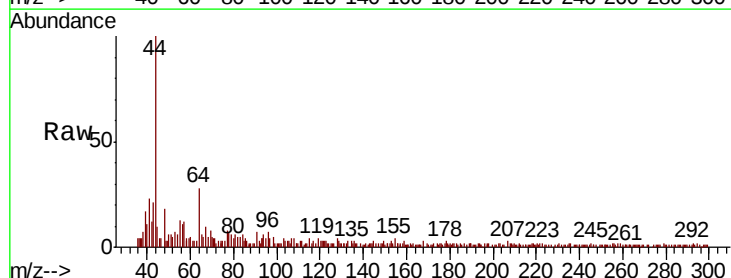
Acq: 28 Mar 2020 02:47

Tgt Ion: 94 Resp: 696

Ion Ratio Lower Upper

94 100

96 77.1 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

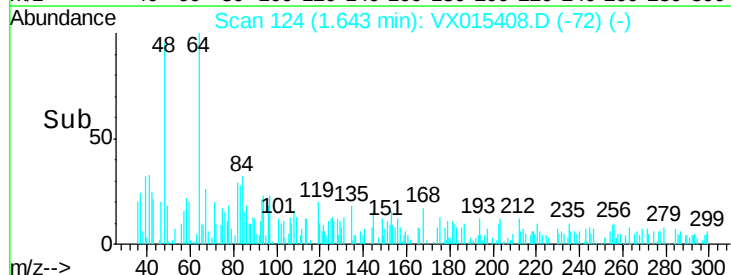
200

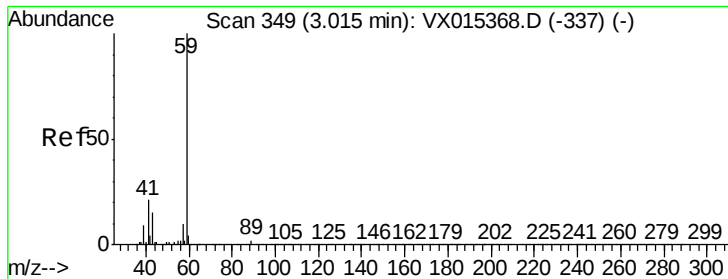
0

Time-->

1.60

1.65



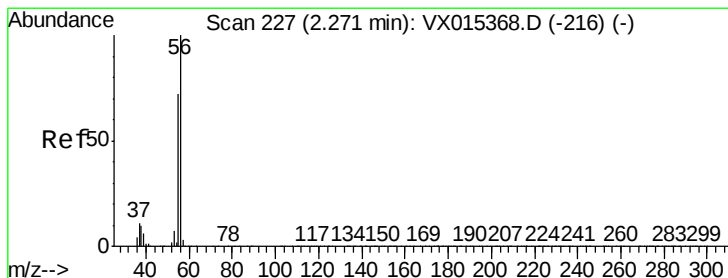
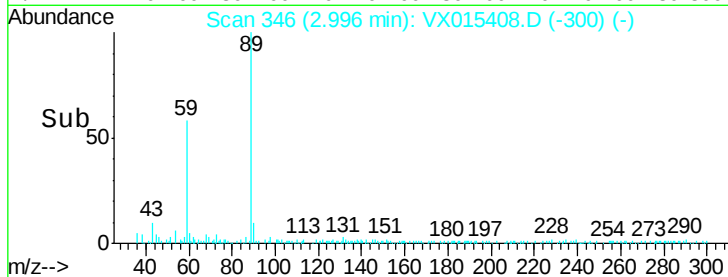
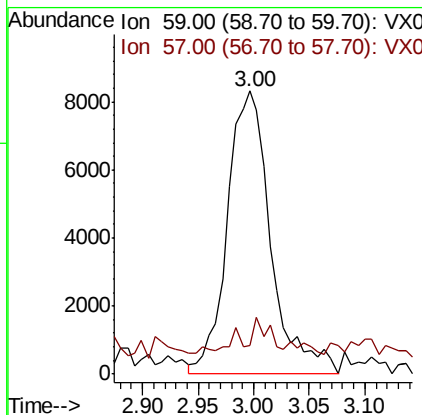
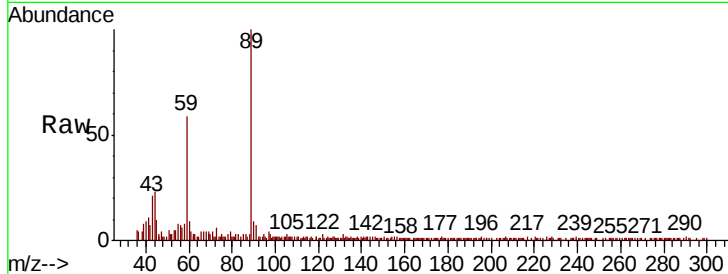


#11

Tert butyl alcohol
Concen: 6.077 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015408.D
Acq: 28 Mar 2020 02:47

Instrument :
MSVOA_X
ClientSampleId :
MW-A

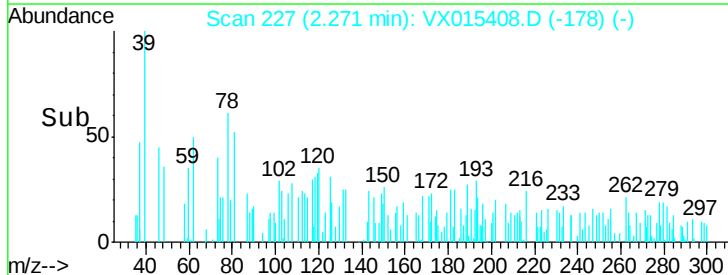
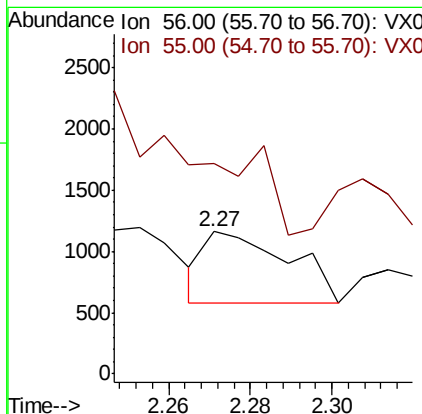
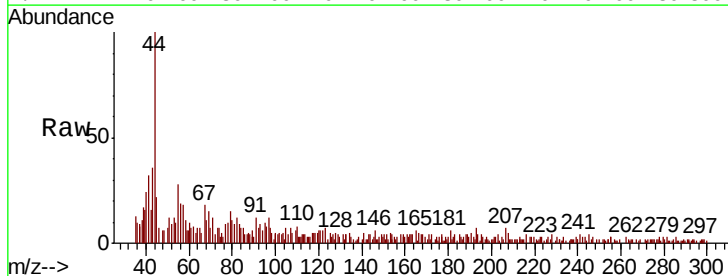
Tot Ion: 59 Resp: 22592
Ion Ratio Lower Upper
59 100
57 5.5 8.1 12.1#

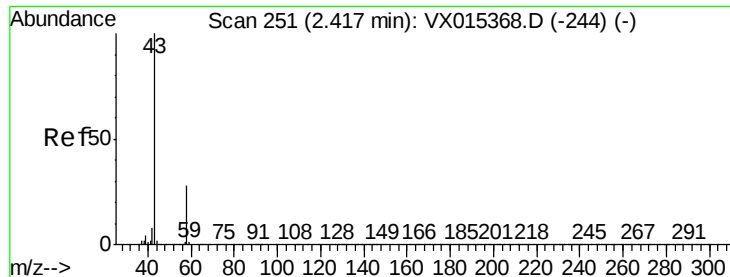


#13

Acrolein
Concen: 0.391 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015408.D
Acq: 28 Mar 2020 02:47

Tgt Ion: 56 Resp: 828
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

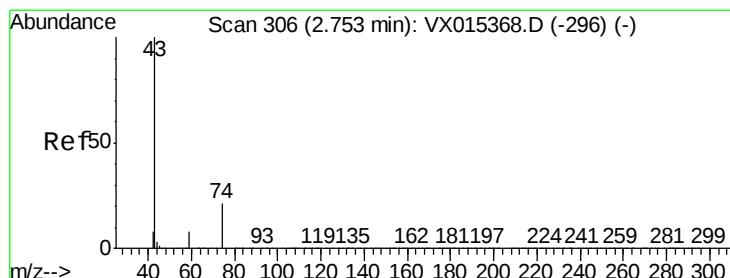
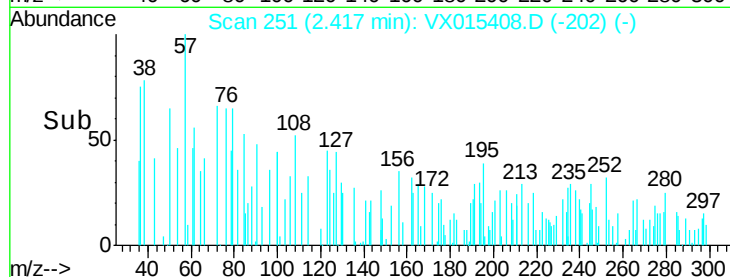
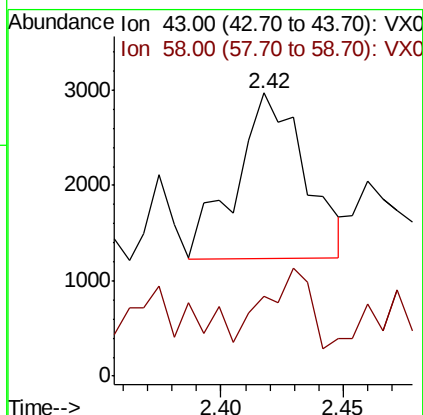
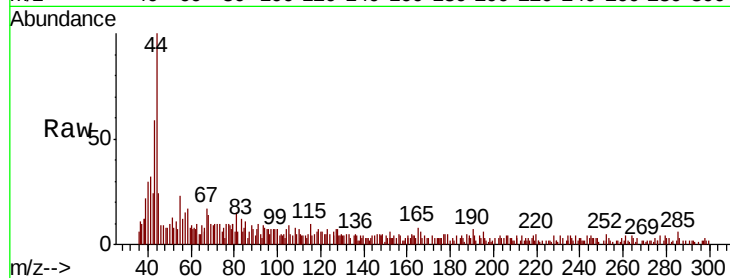




#16
Acetone
Concen: 0.512 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015408.D
Acq: 28 Mar 2020 02:47

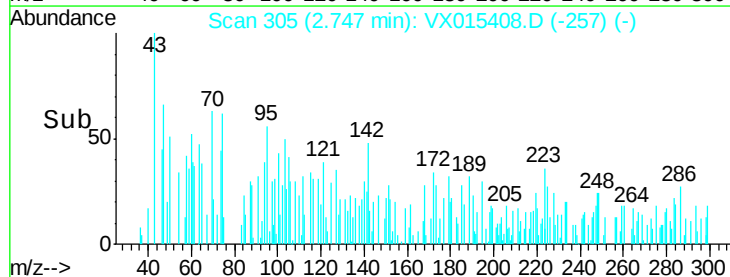
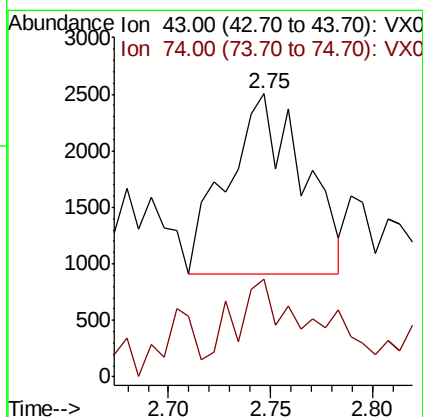
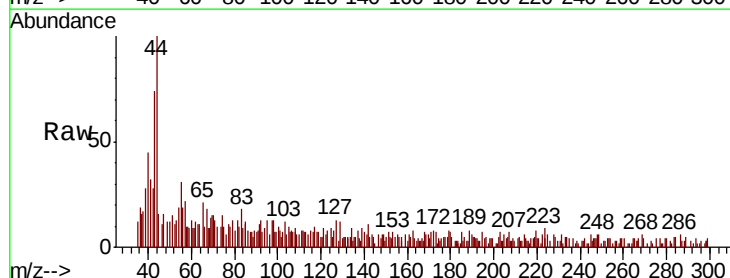
Instrument :
MSVOA_X
ClientSampleId :
MW-A

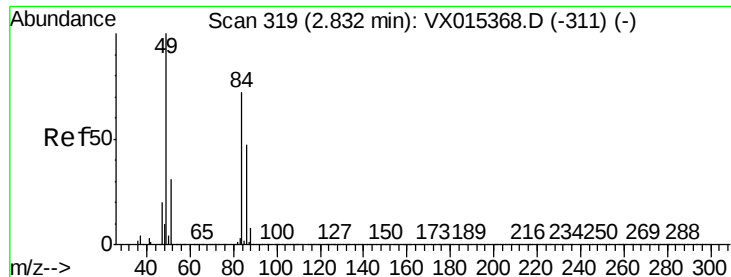
Tot Ion: 43 Resp: 3419
Ion Ratio Lower Upper
43 100
58 25.4 22.1 33.1



#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015408.D
Acq: 28 Mar 2020 02:47

Tgt Ion: 43 Resp: 4070
Ion Ratio Lower Upper
43 100
74 47.9 16.5 24.7#





#20

Methvlene Chloride

Concen: 0.226 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.01 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Instrument :

MSVOA_X

ClientSampled :

MW-A

Tot Ion: 84 Resp: 2820

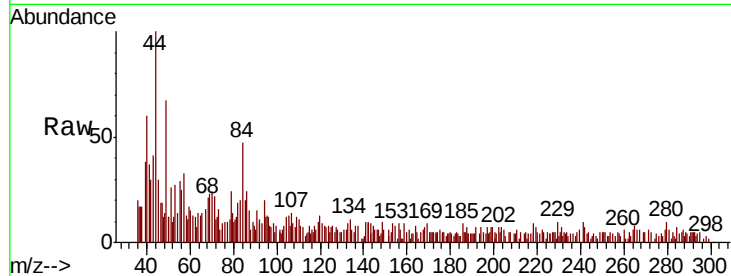
Ion Ratio Lower Upper

84 100

49 150.8 111.3 166.9

51 12.8 34.0 51.0#

86 53.1 52.5 78.7

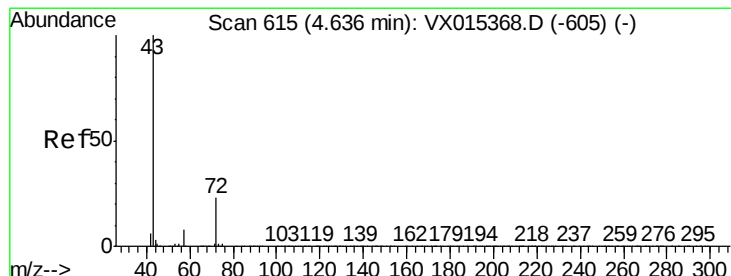
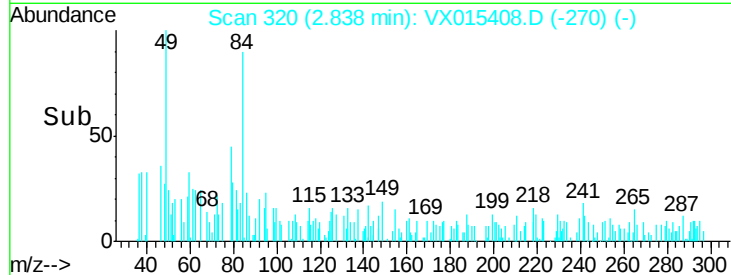
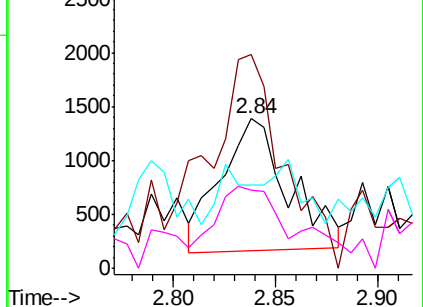


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.207 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015408.D

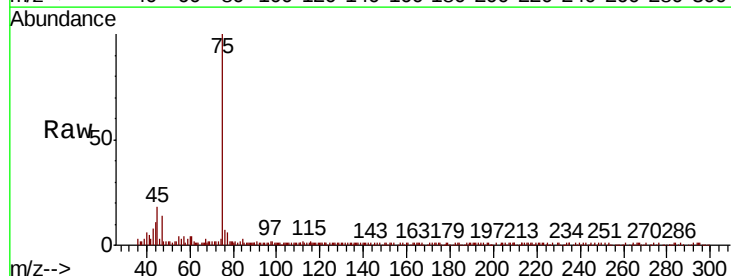
Acq: 28 Mar 2020 02:47

Tgt Ion: 43 Resp: 2222

Ion Ratio Lower Upper

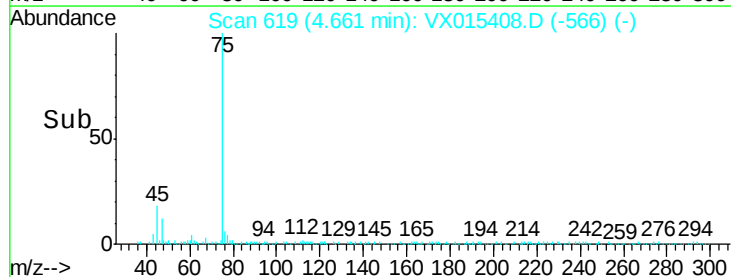
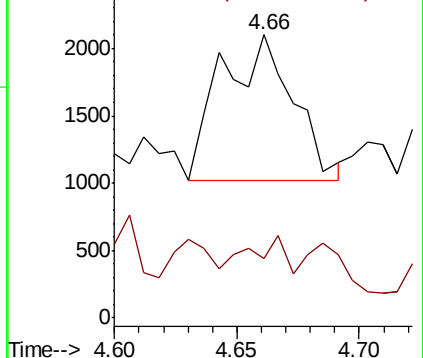
43 100

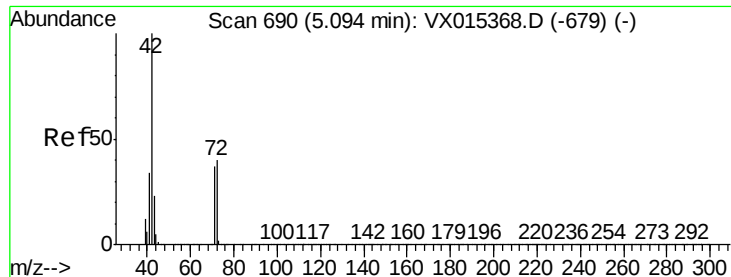
72 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.02 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Instrument :

MSVOA_X

ClientSampled :

MW-A

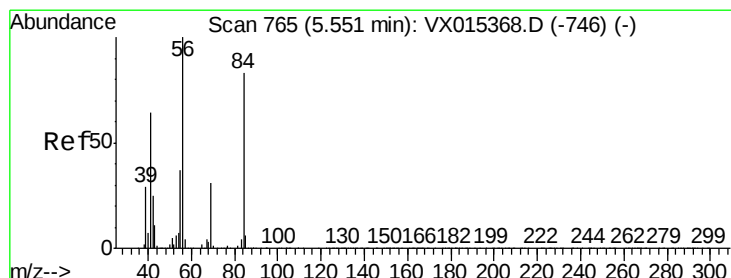
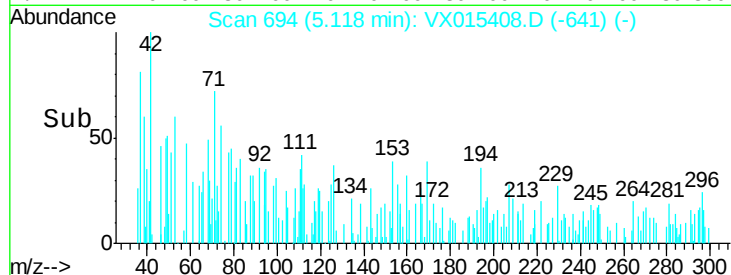
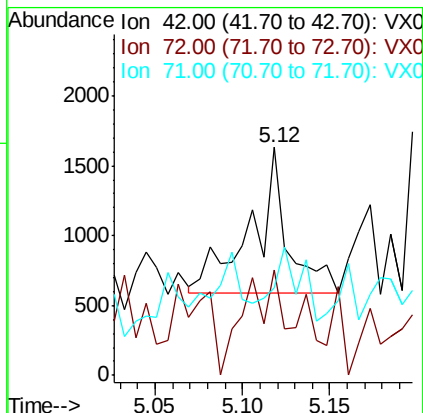
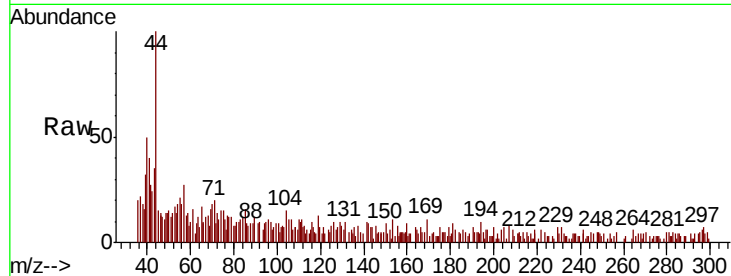
Tot Ion: 42 Resp: 1546

Ion Ratio Lower Upper

42 100

72 77.1 31.7 47.5#

71 30.8 29.6 44.4



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 5.62 min Scan# 777

Delta R.T. 0.07 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

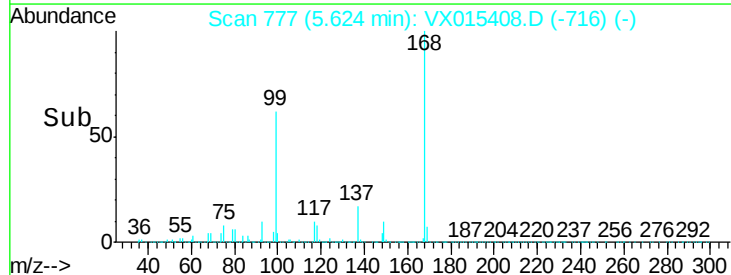
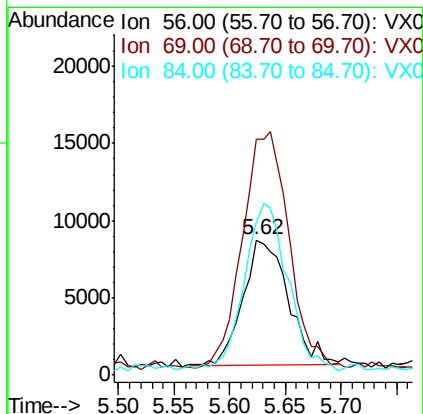
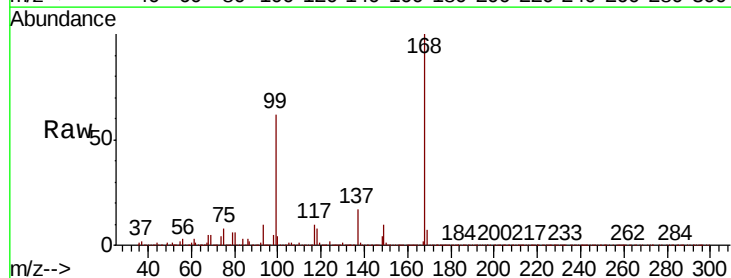
Tgt Ion: 56 Resp: 22992

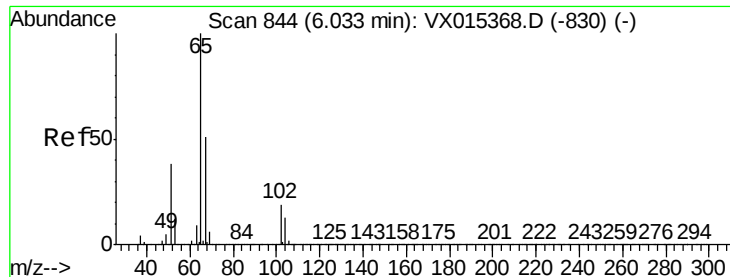
Ion Ratio Lower Upper

56 100

69 182.5 24.6 36.8#

84 119.1 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.315 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Instrument :

MSVOA_X

ClientSampleId :

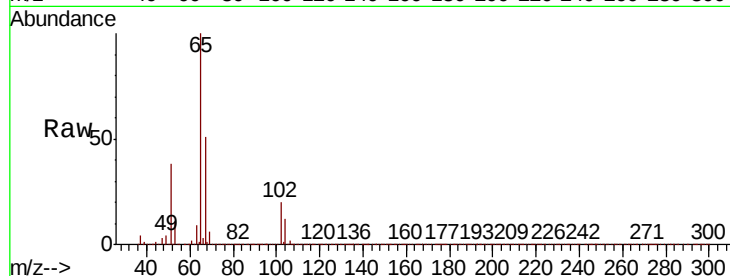
MW-A

Tot Ion: 65 Resp: 750372

Ion Ratio Lower Upper

65 100

67 50.2 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

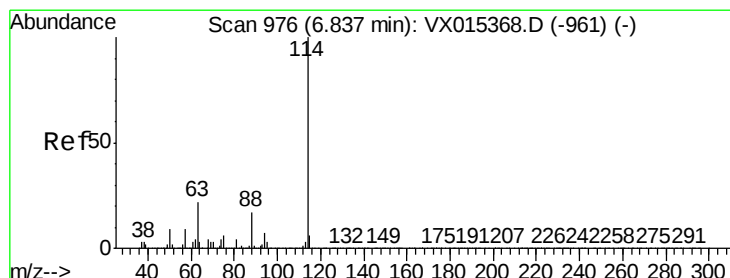
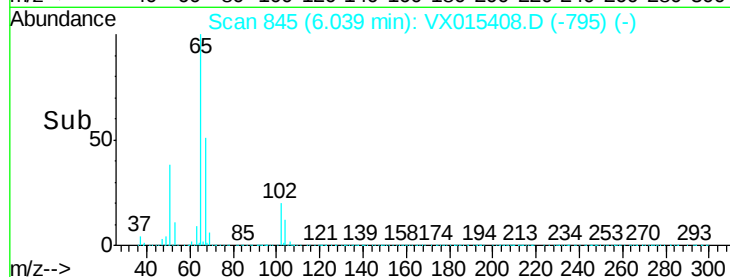
300000

200000

100000

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: VX015408.D

Acq: 28 Mar 2020 02:47

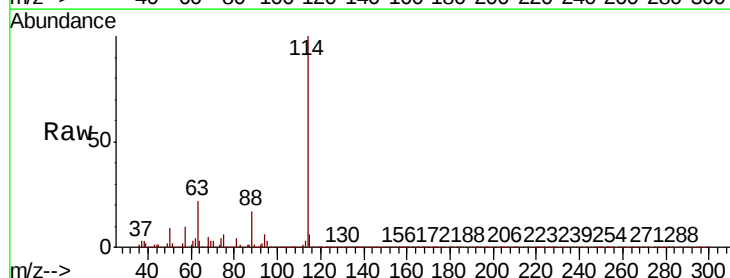
Tgt Ion: 114 Resp: 1815152

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.6 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

1000000

800000

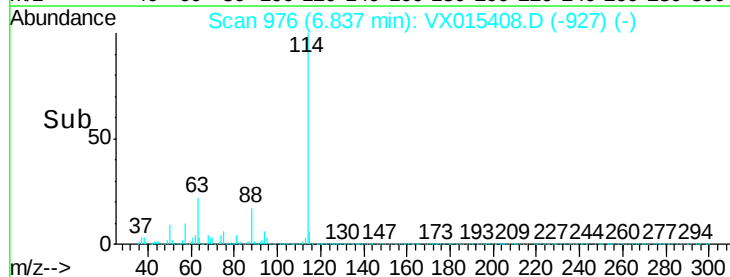
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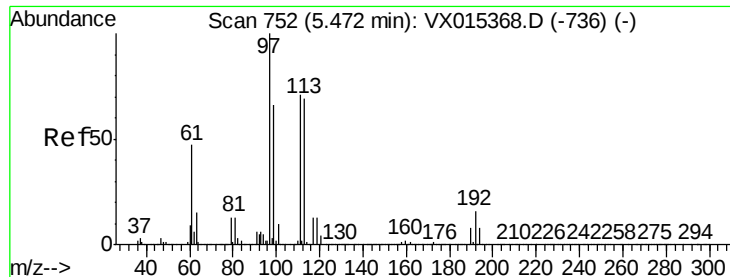
400000

200000

0

Time-->

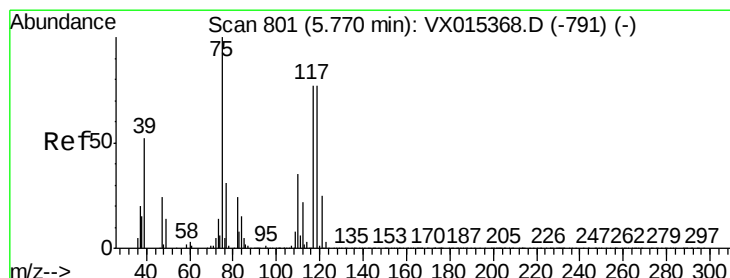
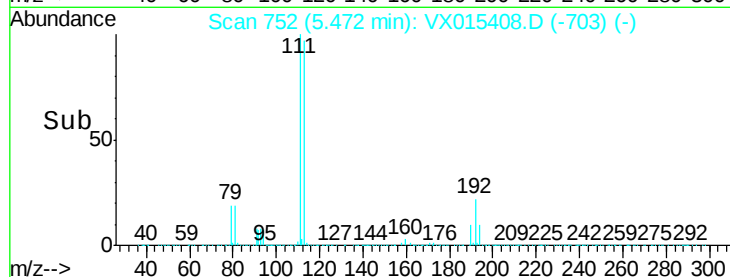
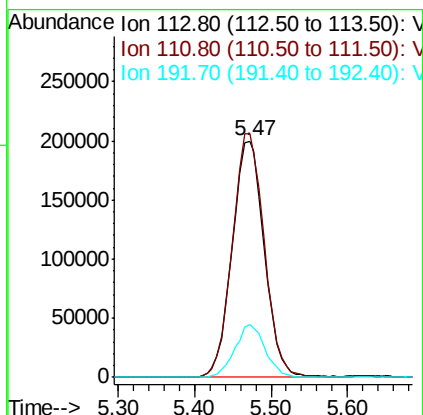
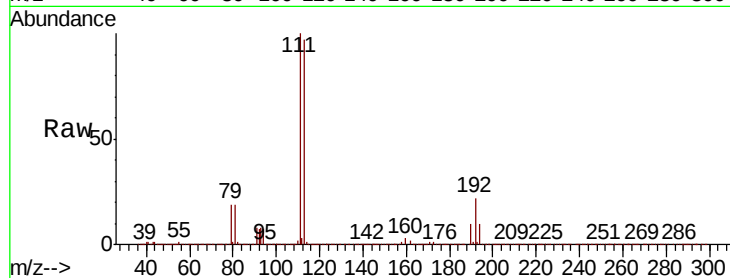




#35
 Dibromofluoromethane
 Concen: 49.882 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015408.D
 Acq: 28 Mar 2020 02:47

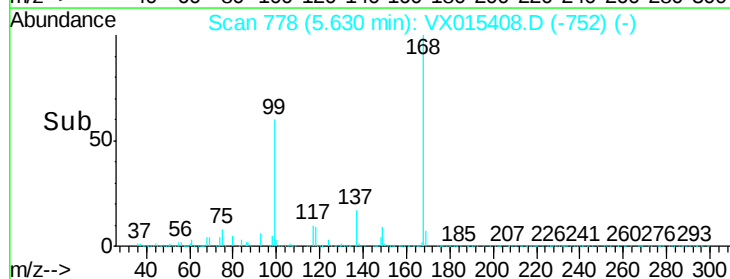
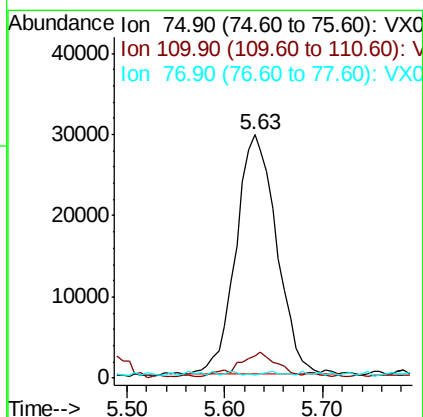
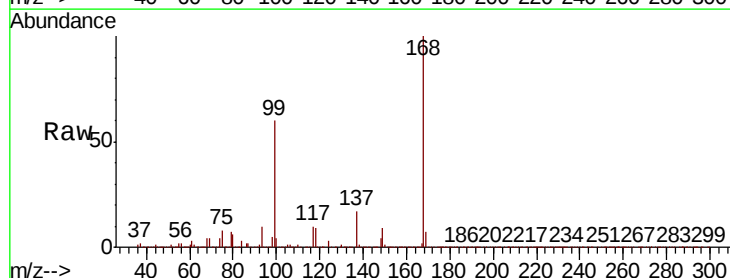
Instrument :
 MSVOA_X
 ClientSampled :
 MW-A

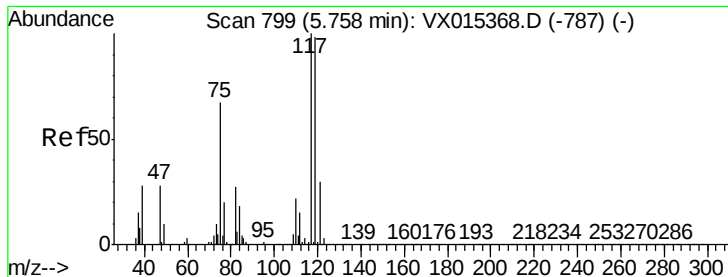
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	21.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015408.D
 Acq: 28 Mar 2020 02:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.1	51.3#
77	0.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.850 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Instrument :

MSVOA_X

ClientSampled :

MW-A

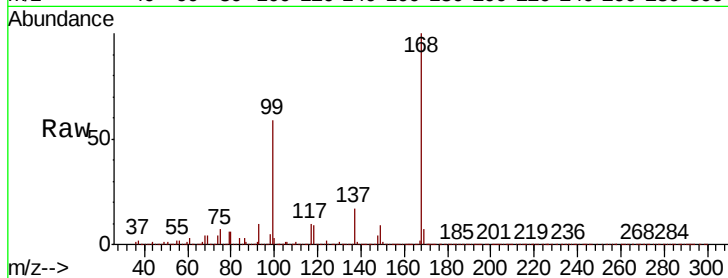
Tot Ion:117 Resp: 105965

Ion Ratio Lower Upper

117 100

119 3.7 78.0 117.0#

121 0.0 23.8 35.8#



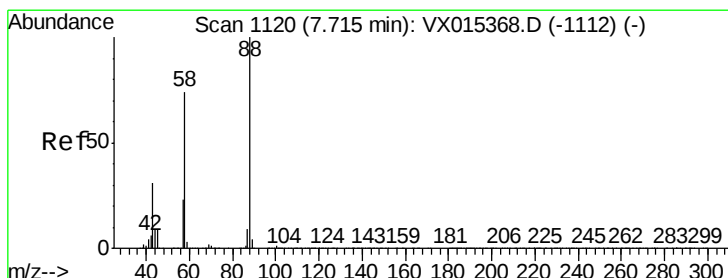
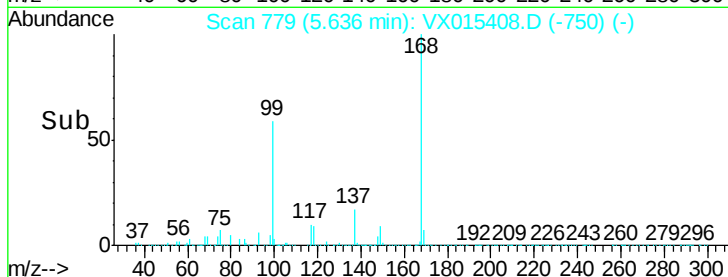
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

5.64

Time-->



#49

1,4-Dioxane

Concen: 1.033 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

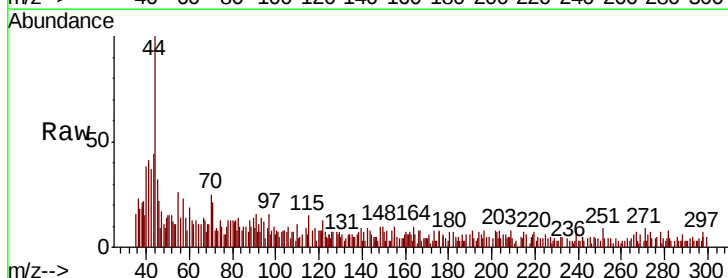
Tgt Ion: 88 Resp: 354

Ion Ratio Lower Upper

88 100

43 268.6 30.1 45.1#

58 266.7 60.6 90.8#



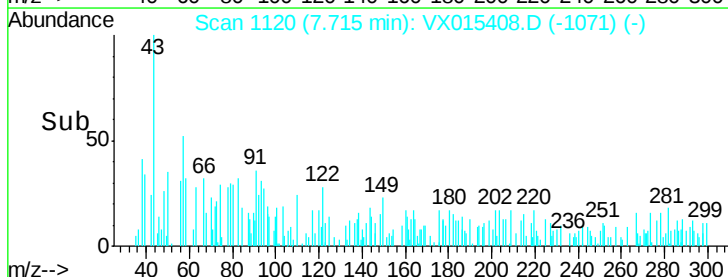
Abundance Ion 88.00 (87.70 to 88.70): VX0

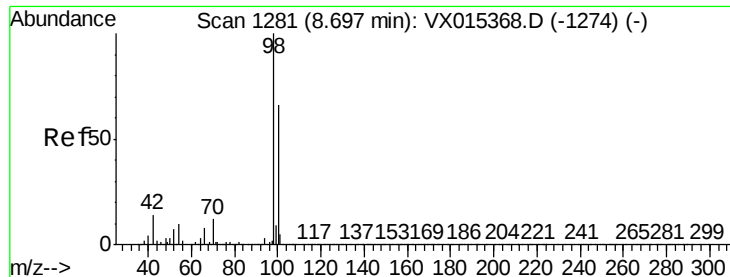
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.72

Time-->





#50

Toluene-d8

Concen: 51.717 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Instrument :

MSVOA_X

ClientSampleId :

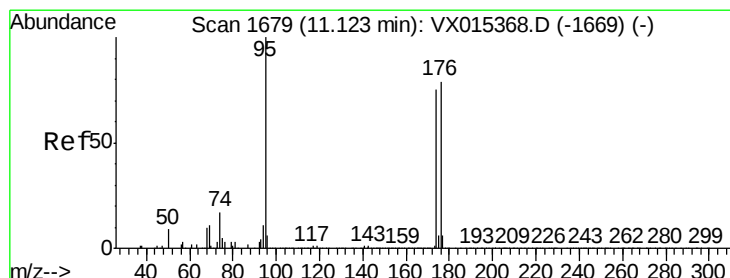
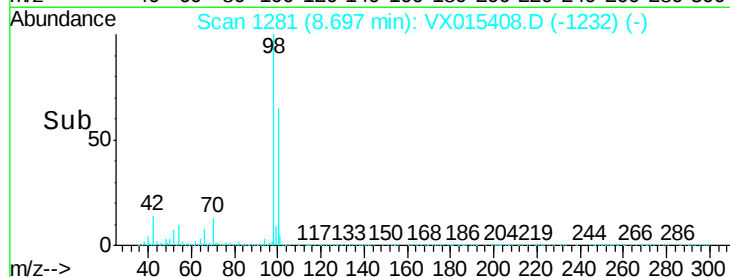
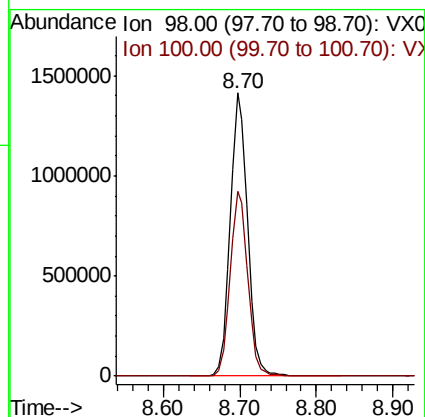
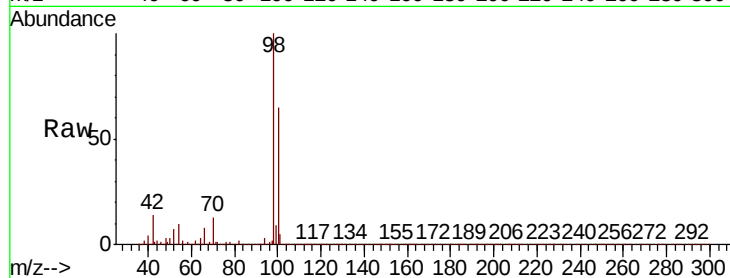
MW-A

Tot Ion: 98 Resp: 2209285

Ion Ratio Lower Upper

98 100

100 66.1 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.763 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

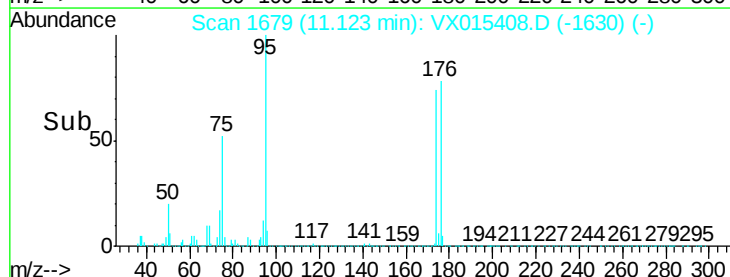
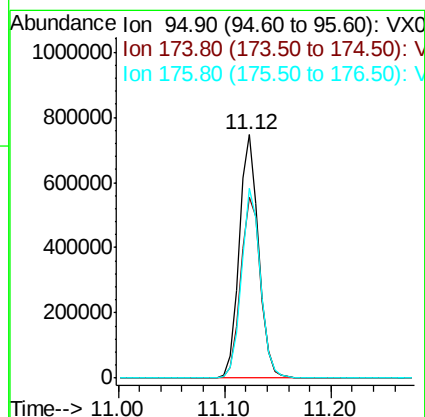
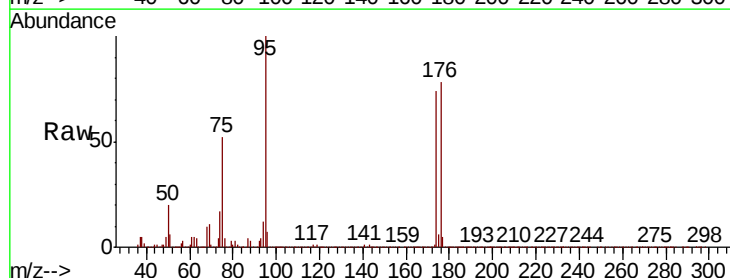
Tgt Ion: 95 Resp: 950738

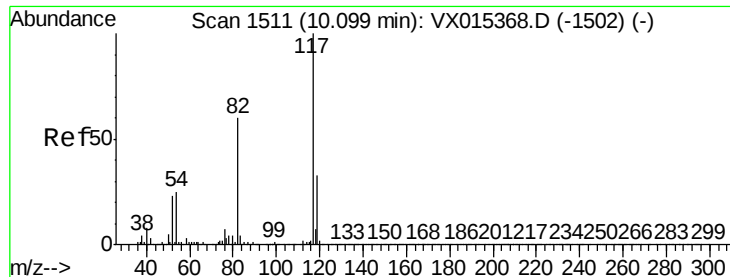
Ion Ratio Lower Upper

95 100

174 76.8 0.0 158.6

176 76.5 0.0 159.0

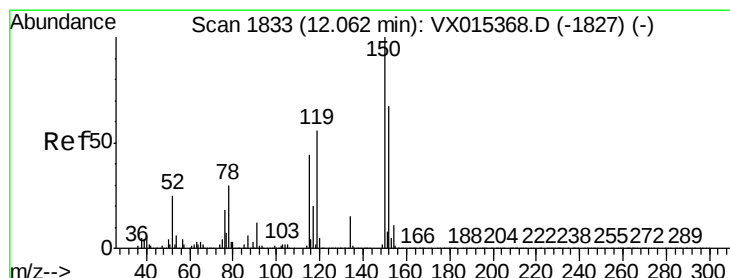
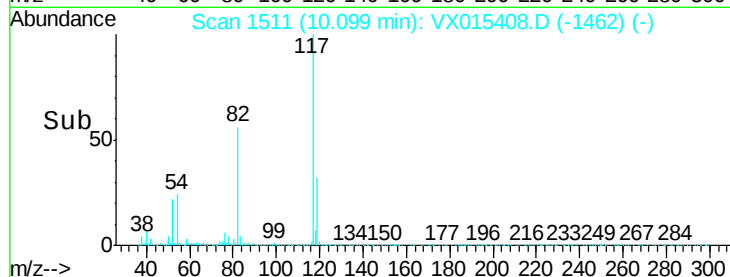
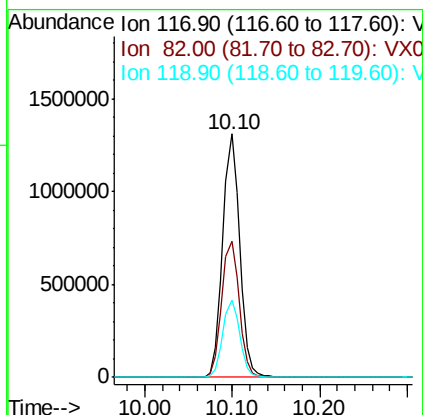
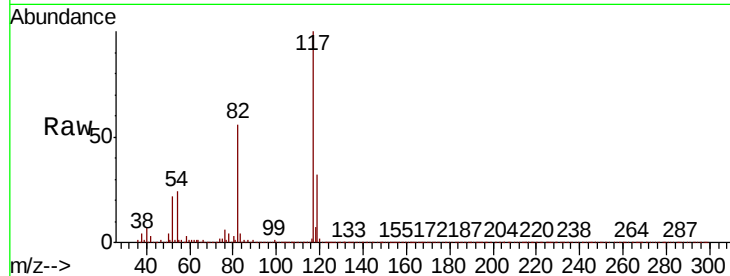




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015408.D
Acq: 28 Mar 2020 02:47

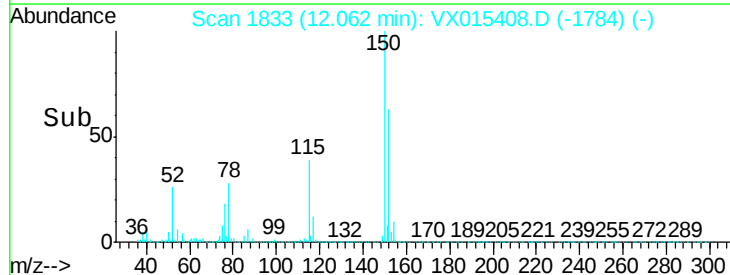
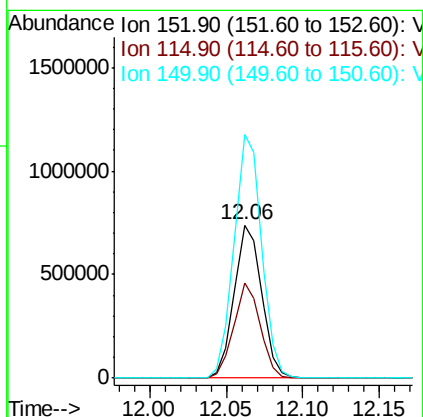
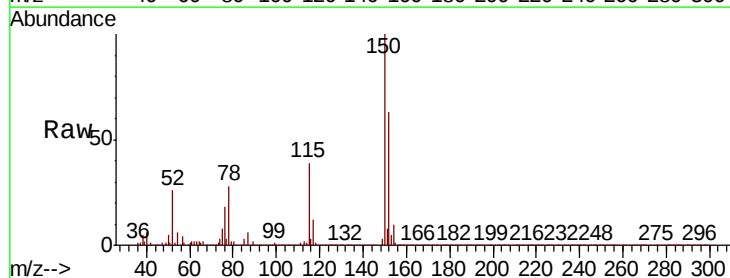
Instrument :
MSVOA_X
ClientSampleId :
MW-A

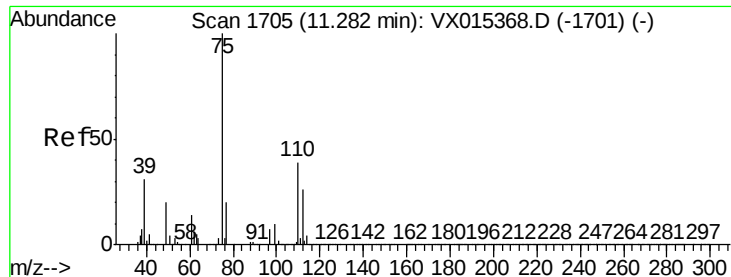
Tot Ion:117 Resp: 1757549
Ion Ratio Lower Upper
117 100
82 55.7 47.8 71.8
119 31.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015408.D
Acq: 28 Mar 2020 02:47

Tgt Ion:152 Resp: 921507
Ion Ratio Lower Upper
152 100
115 60.0 39.0 116.9
150 159.6 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.787 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Instrument :

MSVOA_X

ClientSampled :

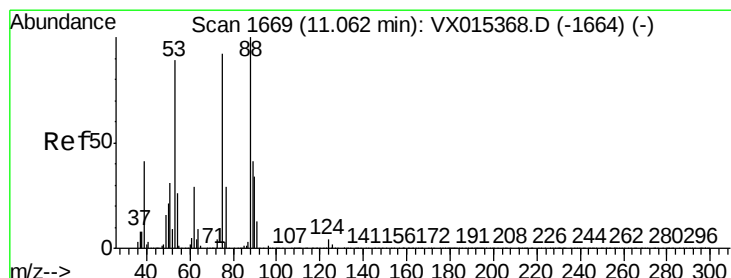
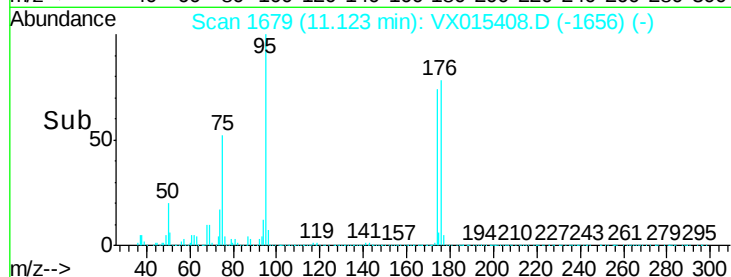
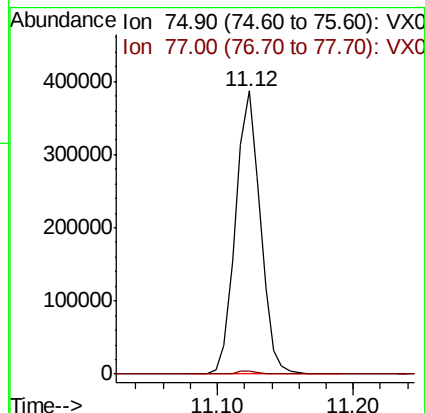
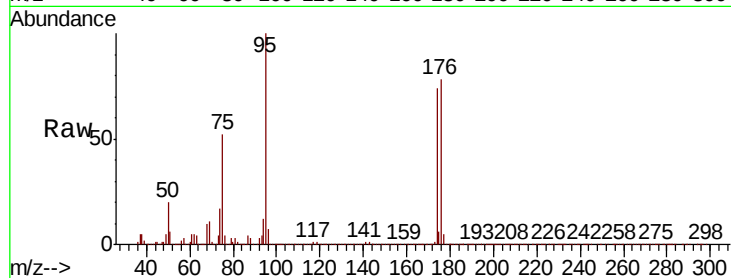
MW-A

Tot Ion: 75 Resp: 488663

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.874 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015408.D

Acq: 28 Mar 2020 02:47

Tgt Ion: 75 Resp: 488663

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 36.1 54.1#

