

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015416.D
 Acq On : 28 Mar 2020 05:48
 Operator : JC/SP
 Sample : L2018-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Mar 30 01:54:30 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	1095942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1811225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1719736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	914780	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	750476	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.47	113	569638	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.70	98	2181385	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.12	95	952367	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	

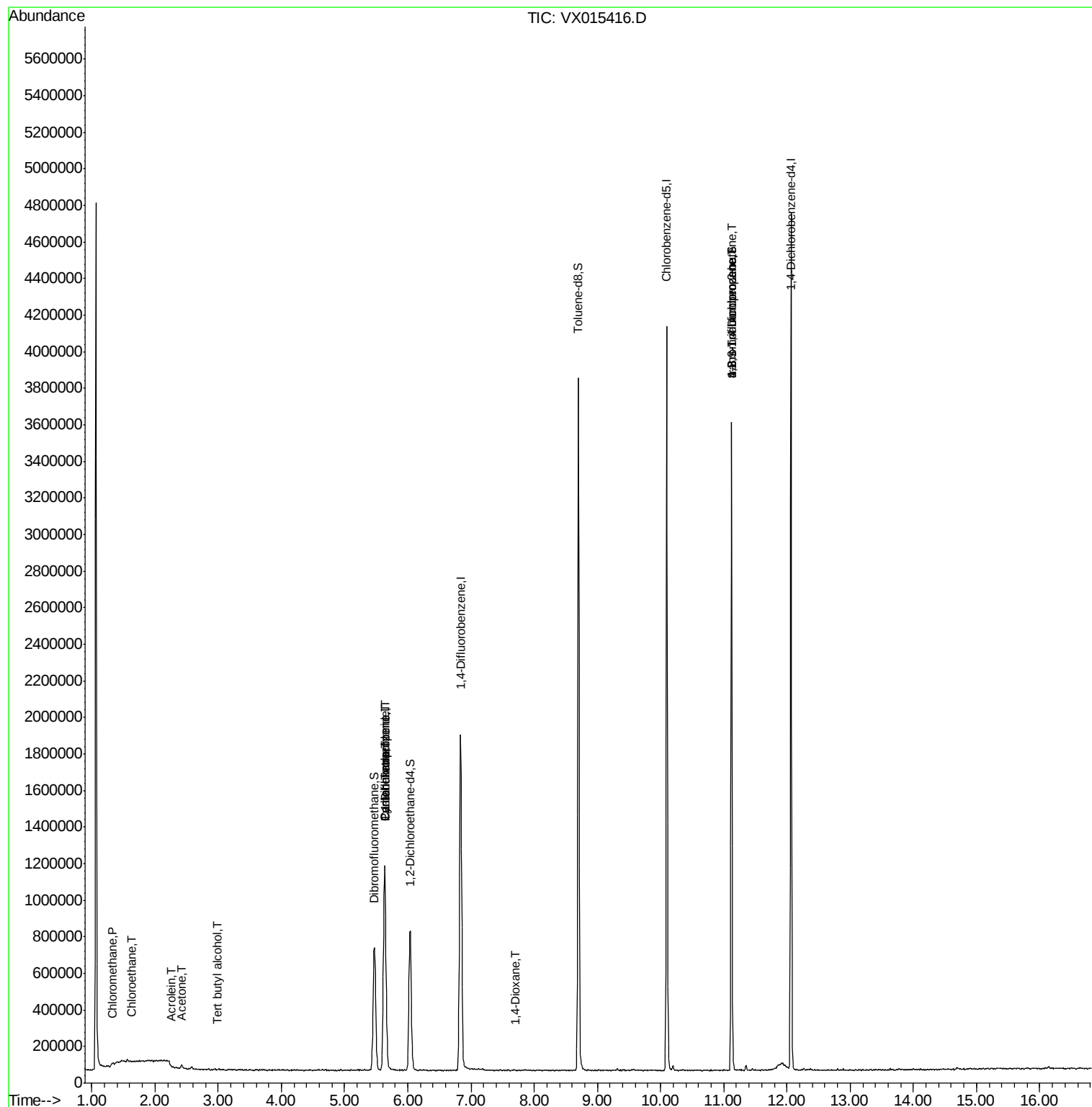
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2571	0.209	ug/l #	55
5) Bromomethane	1.62	94	254	Below Cal	#	3
6) Chloroethane	1.64	64	1708	0.244	ug/l #	43
11) Tert butyl alcohol	3.00	59	1028	0.278	ug/l #	1
13) Acrolein	2.26	56	600	0.285	ug/l #	14
16) Acetone	2.42	43	24845	3.741	ug/l	95
31) Cyclohexane	5.63	56	22928	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	84854	5.085	ug/l #	53
38) Carbon Tetrachloride	5.64	117	107613	5.954	ug/l #	14
49) 1,4-Dioxane	7.70	88	870	2.545	ug/l #	20
76) 1,2,3-Trichloropropane	11.12	75	491213	26.112	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	491213	62.655	ug/l #	10

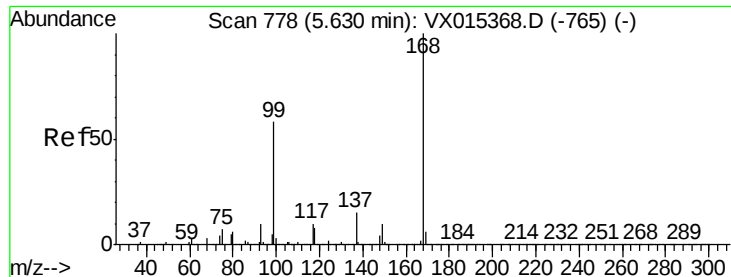
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015416.D

Acq: 28 Mar 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

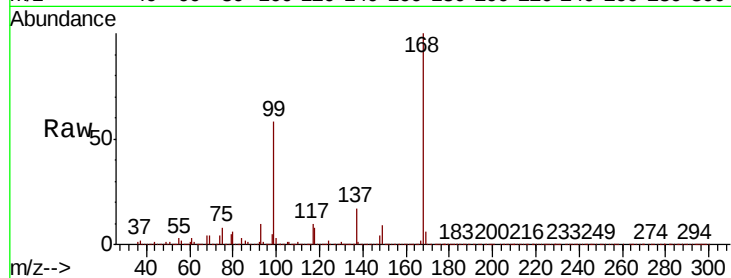
MW-1

Tot Ion:168 Resp: 1095942

Ion Ratio Lower Upper

168 100

99 57.7 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

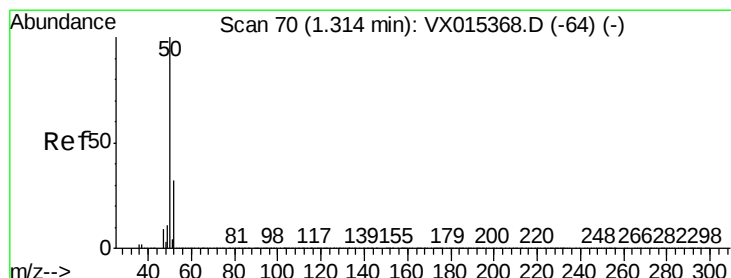
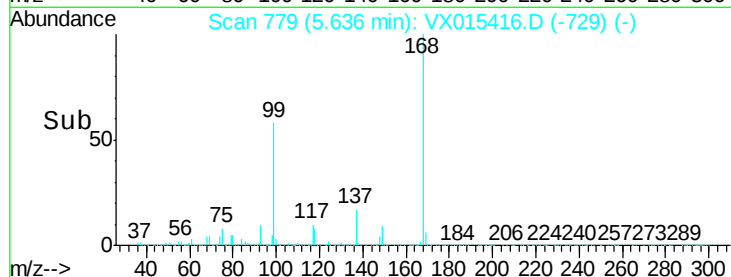
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015416.D

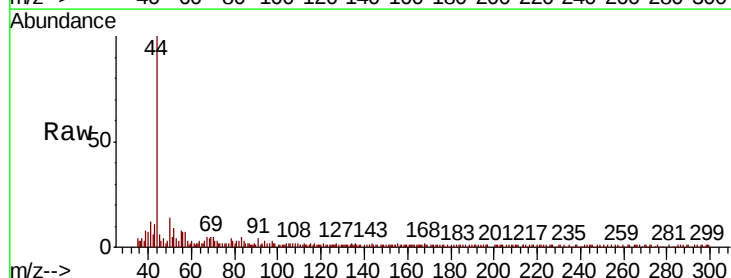
Acq: 28 Mar 2020 05:48

Tgt Ion: 50 Resp: 2571

Ion Ratio Lower Upper

50 100

52 56.4 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

3000

2500

2000

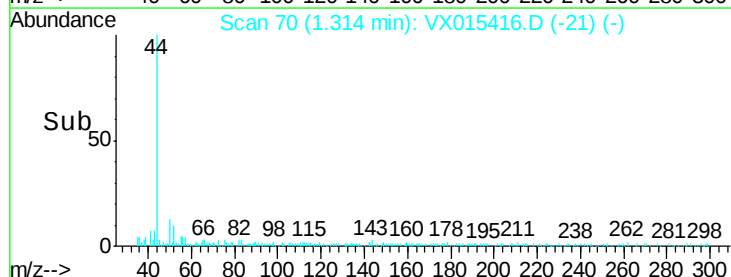
1500

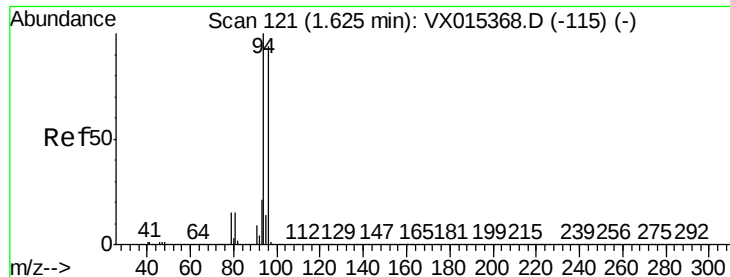
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

Instrument :

MSVOA_X

ClientSampled :

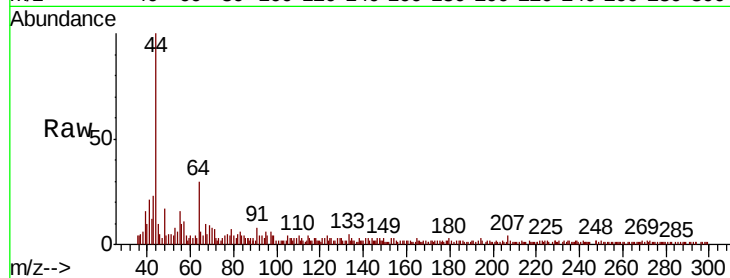
MW-1

Tot Ion: 94 Resp: 254

Ion Ratio Lower Upper

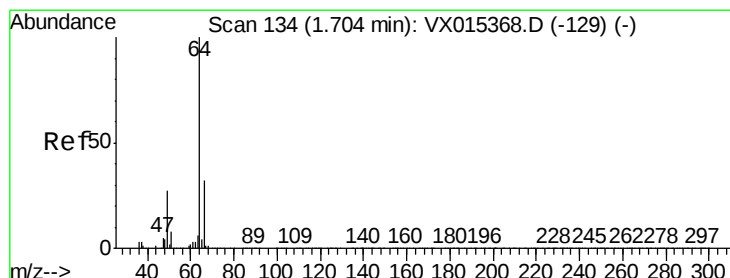
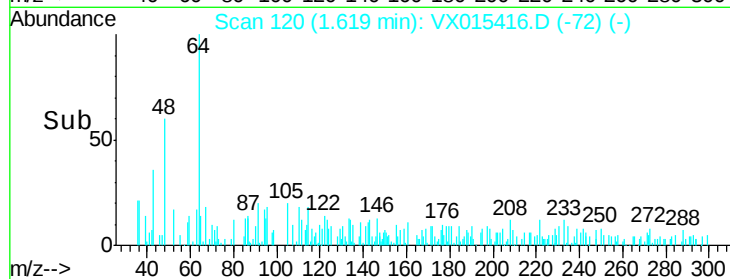
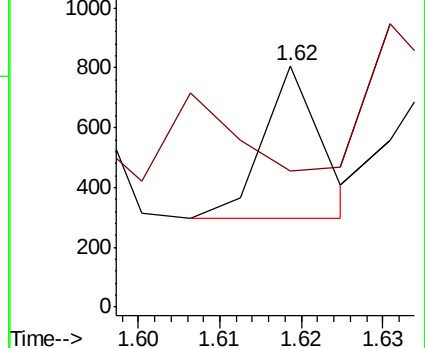
94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.07 min

Lab File: VX015416.D

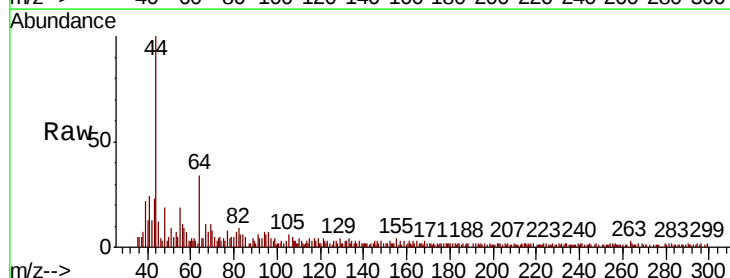
Acq: 28 Mar 2020 05:48

Tgt Ion: 64 Resp: 1708

Ion Ratio Lower Upper

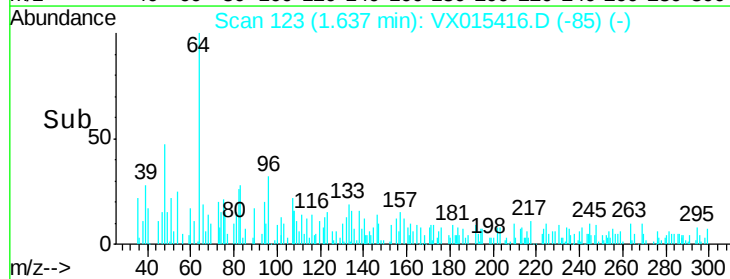
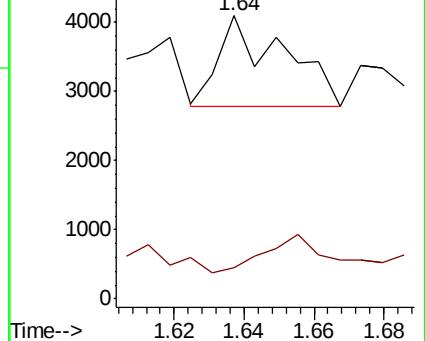
64 100

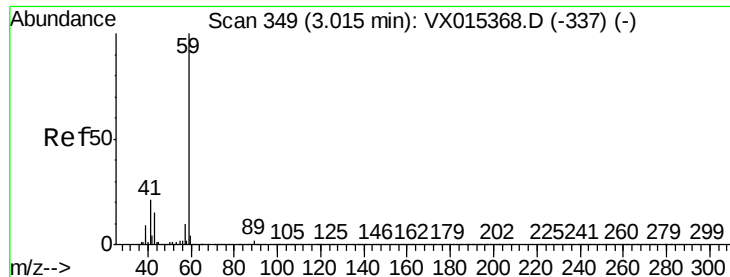
66 0.0 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

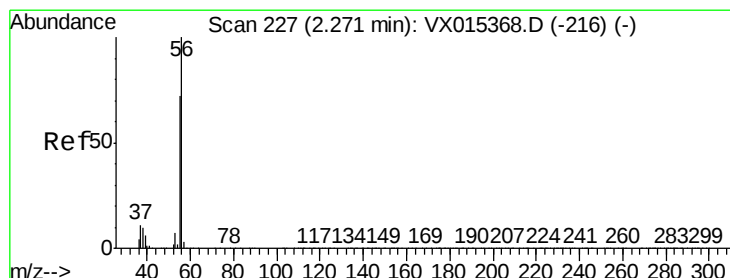
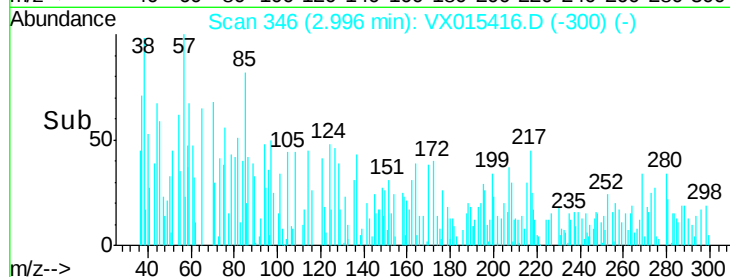
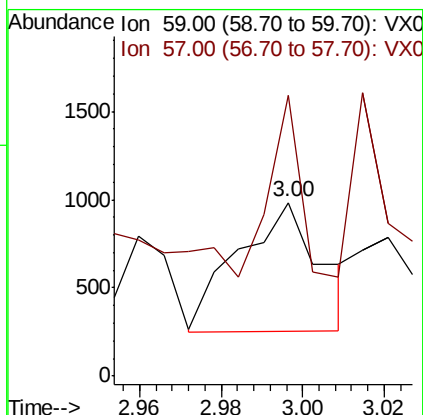
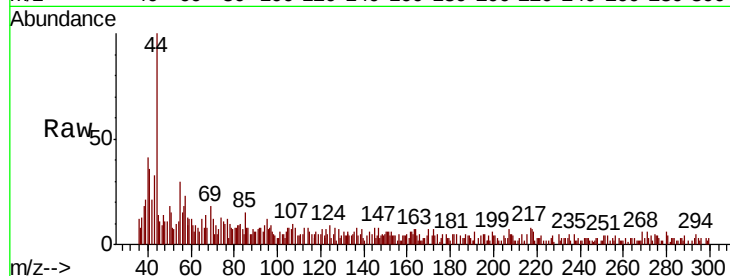
Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion: 59 Resp: 1028

Ion	Ratio	Lower	Upper
59	100		
57	50.7	8.1	12.1#



#13

Acrolein

Concen: 0.285 ug/l

RT: 2.26 min Scan# 225

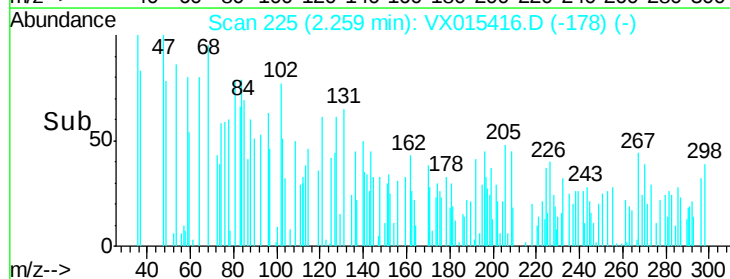
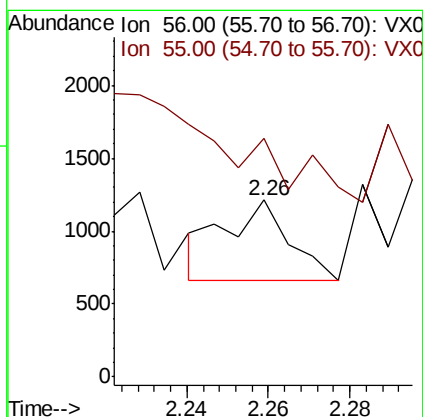
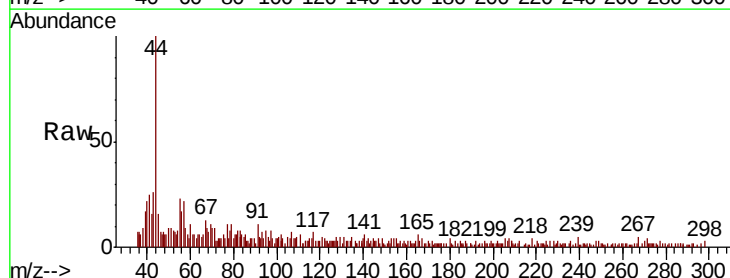
Delta R.T. -0.01 min

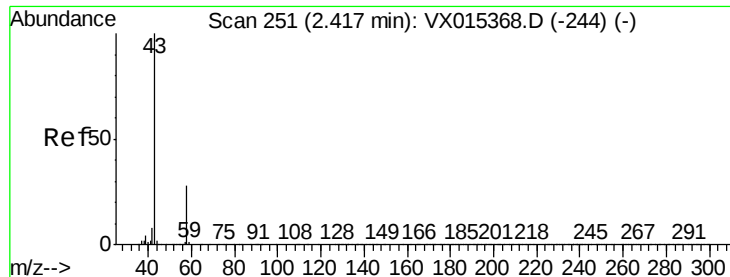
Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

Tgt Ion: 56 Resp: 600

Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.0	85.4#

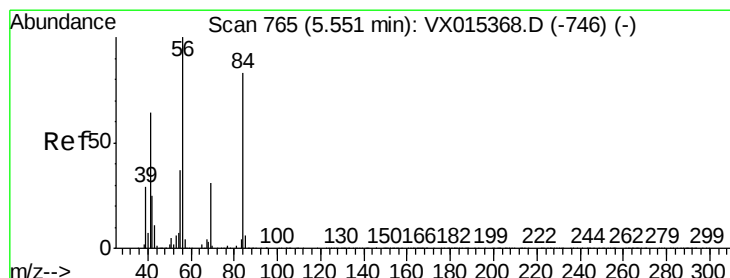
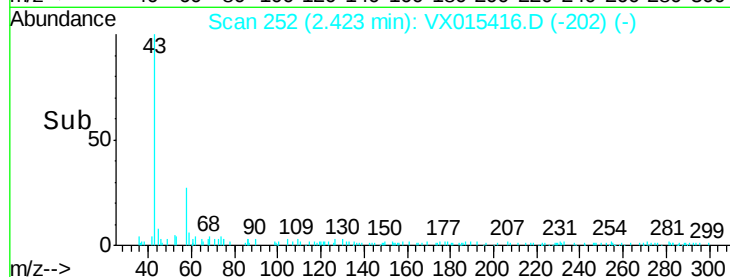
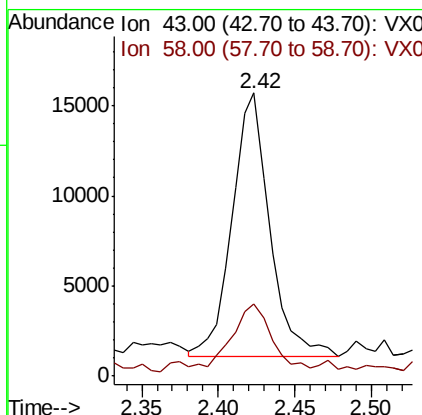
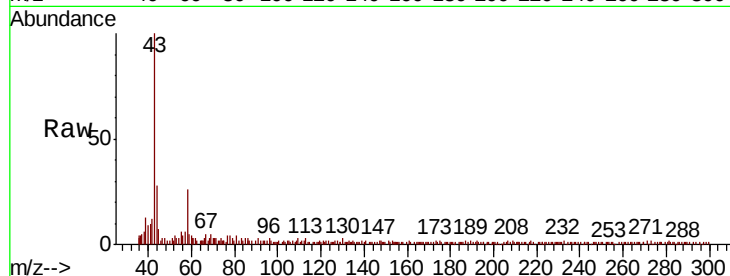




#16
Acetone
Concen: 3.741 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015416.D
Acq: 28 Mar 2020 05:48

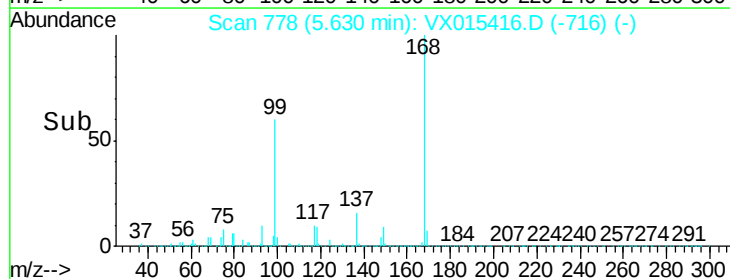
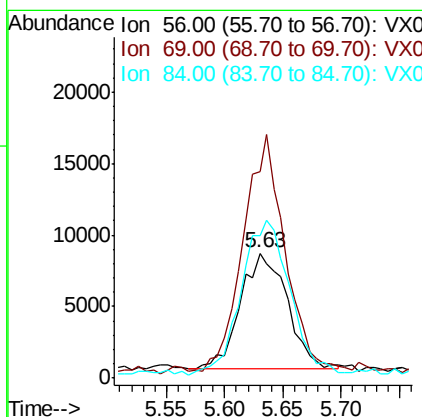
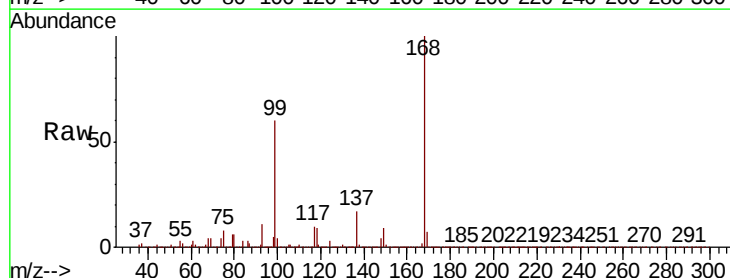
Instrument :
MSVOA_X
ClientSampleId :
MW-1

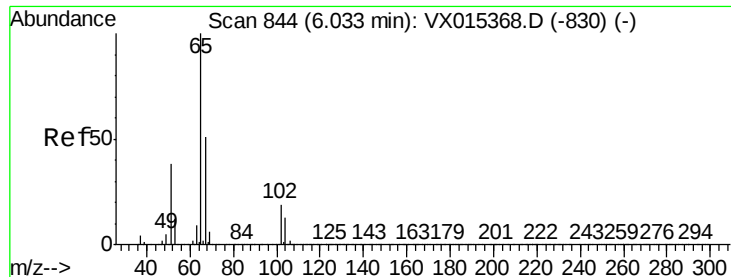
Tot Ion: 43 Resp: 24845
Ion Ratio Lower Upper
43 100
58 24.9 22.1 33.1



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015416.D
Acq: 28 Mar 2020 05:48

Tgt Ion: 56 Resp: 22928
Ion Ratio Lower Upper
56 100
69 172.7 24.6 36.8#
84 120.1 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.552 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

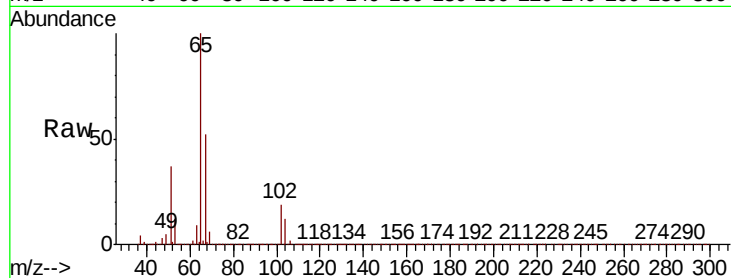
MW-1

Tot Ion: 65 Resp: 750476

Ion Ratio Lower Upper

65 100

67 50.8 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

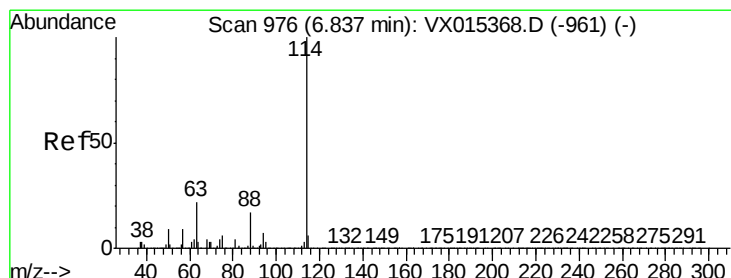
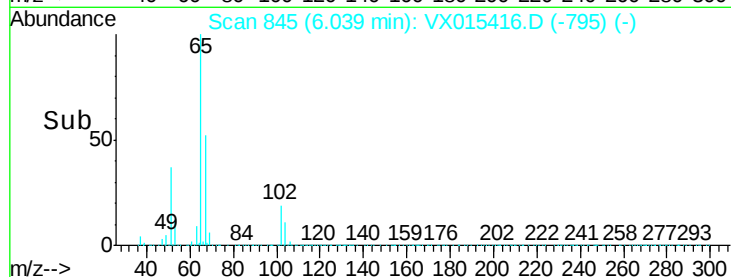
200000

100000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

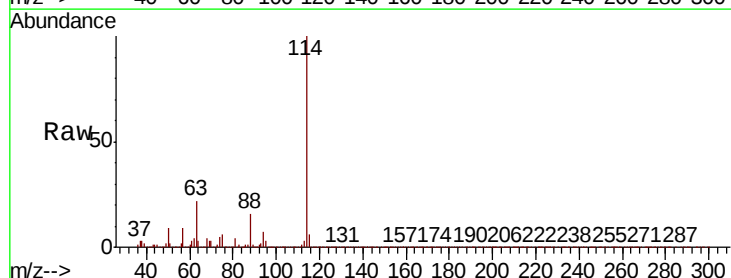
Tgt Ion: 114 Resp: 1811225

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.2

88 15.9 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

600000

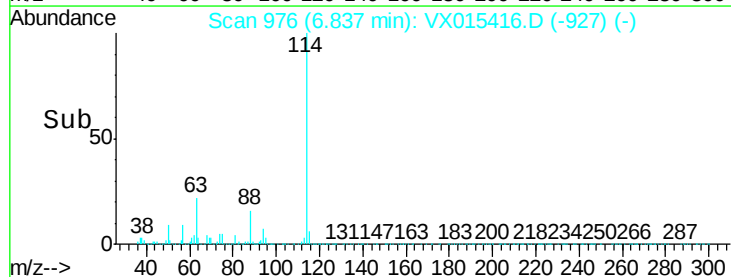
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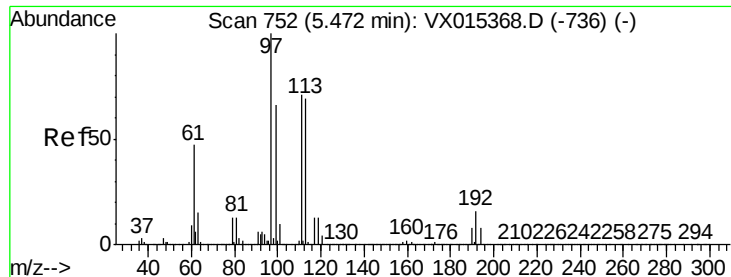
200000

0

Time-->

6.70 6.80 6.90 7.00

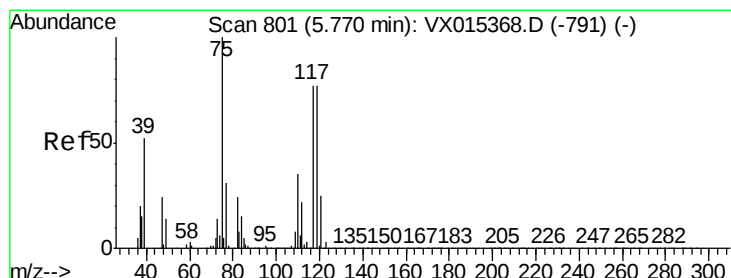
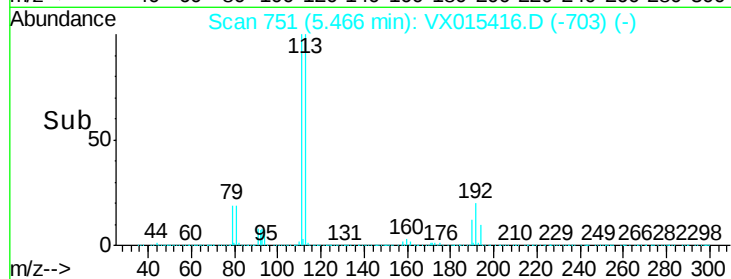
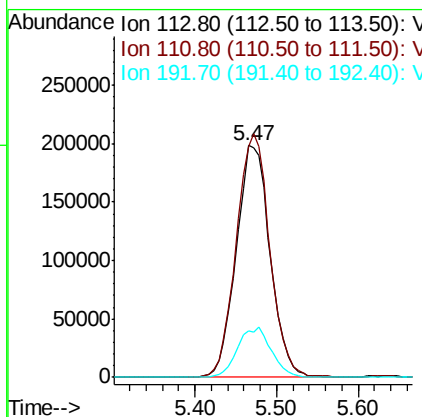
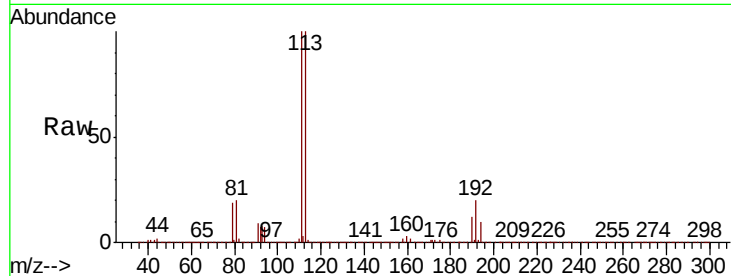




#35
 Dibromofluoromethane
 Concen: 49.201 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015416.D
 Acq: 28 Mar 2020 05:48

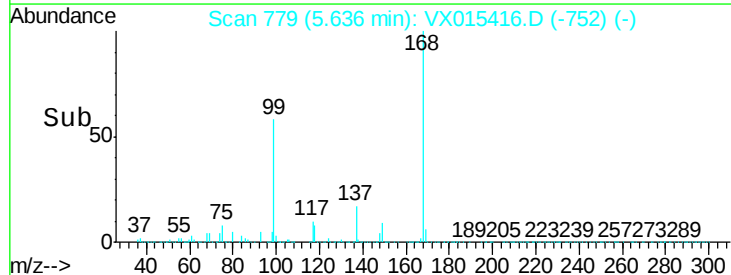
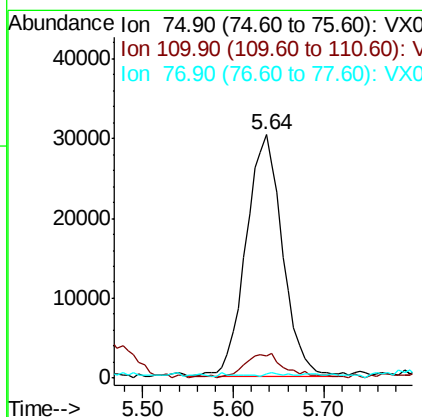
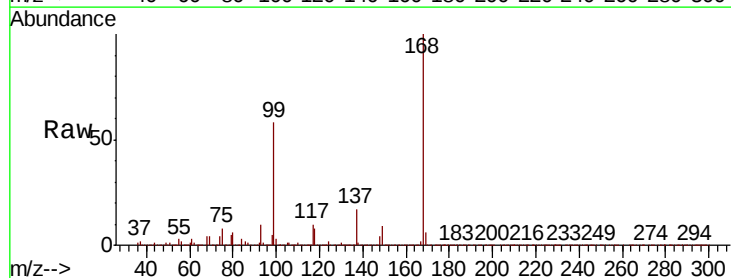
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

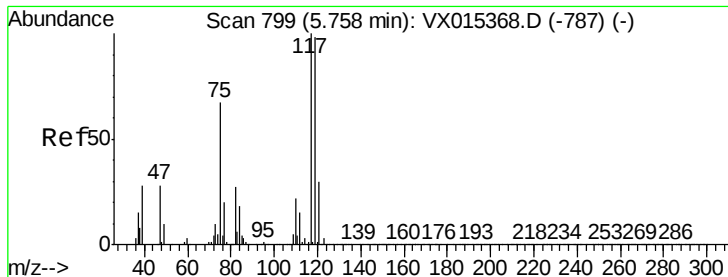
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.5	122.3
192	21.6	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.085 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015416.D
 Acq: 28 Mar 2020 05:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

MW-1

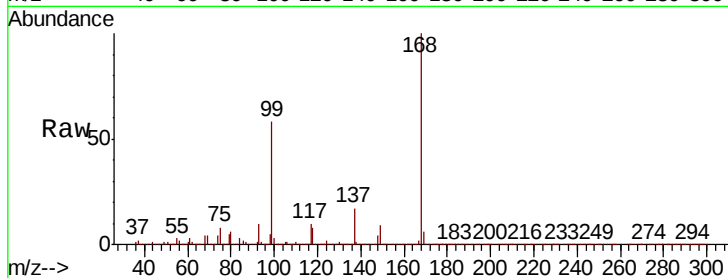
Tot Ion:117 Resp: 107613

Ion Ratio Lower Upper

117 100

119 3.2 78.0 117.0#

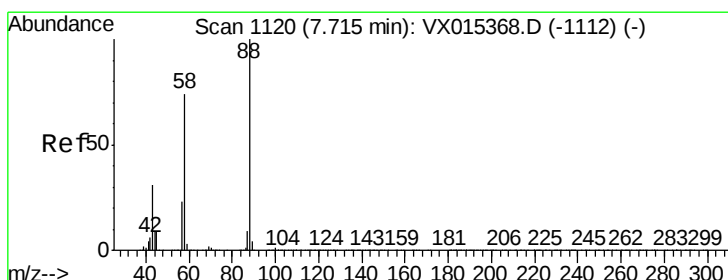
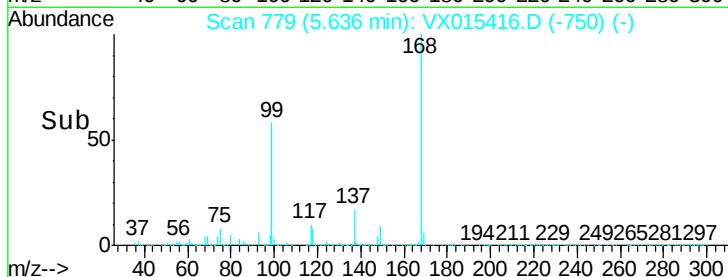
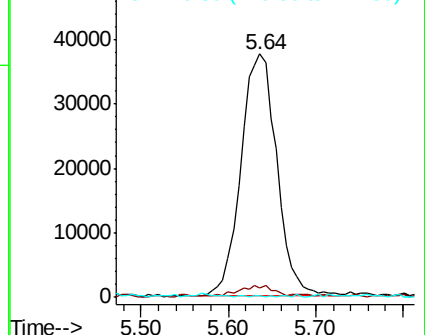
121 0.0 23.8 35.8#



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: 2.545 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

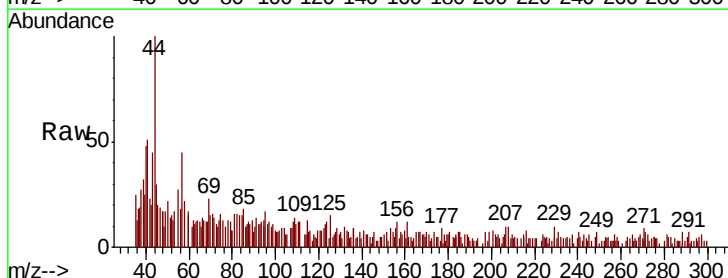
Tgt Ion: 88 Resp: 870

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

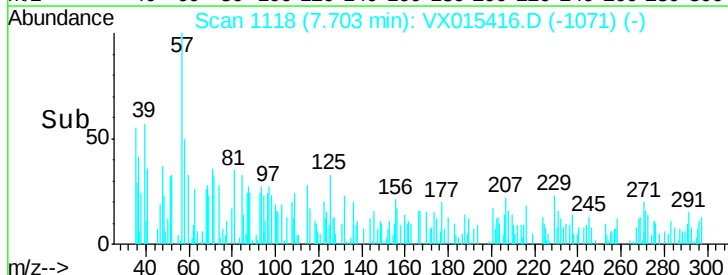
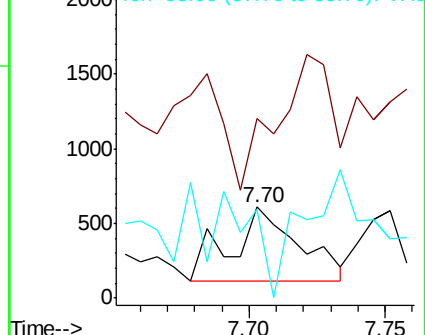
58 0.0 60.6 90.8#

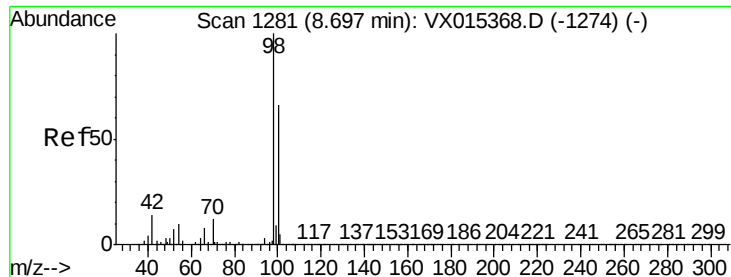


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

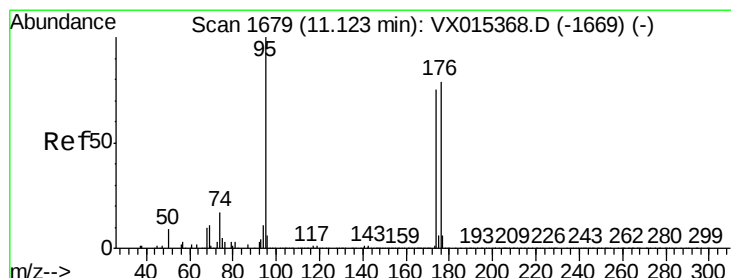
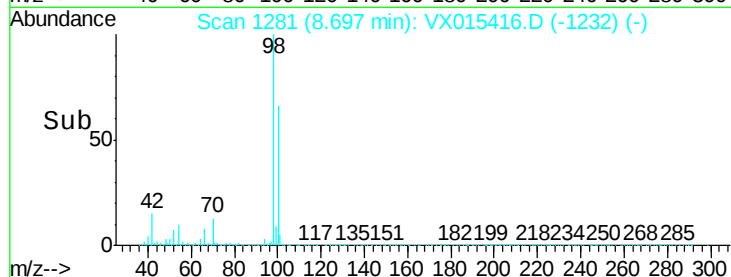
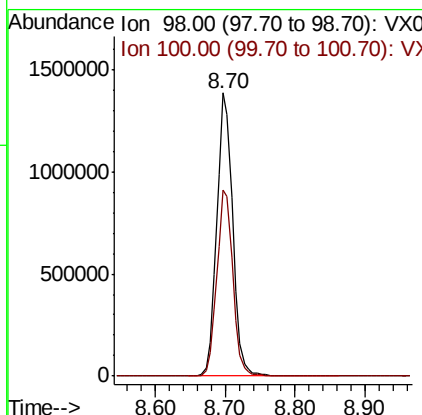
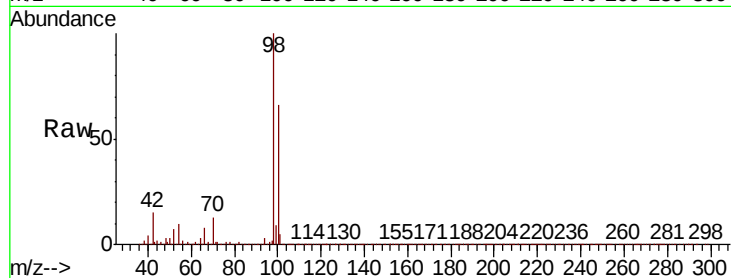




#50
Toluene-d8
Concen: 51.174 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015416.D
Acq: 28 Mar 2020 05:48

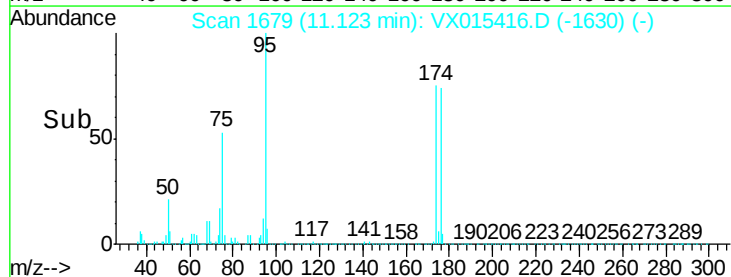
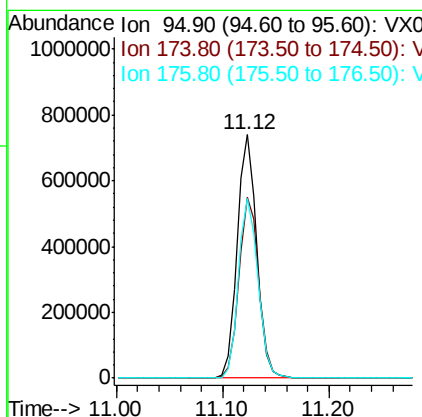
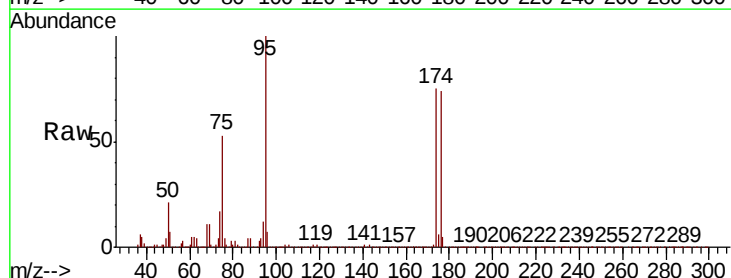
Instrument :
MSVOA_X
ClientSampleId :
MW-1

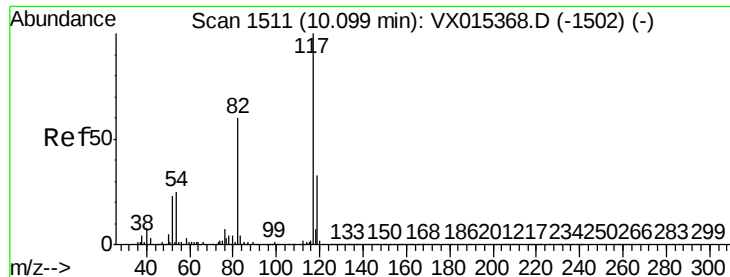
Tot Ion: 98 Resp: 2181385
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 54.975 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015416.D
Acq: 28 Mar 2020 05:48

Tgt Ion: 95 Resp: 952367
Ion Ratio Lower Upper
95 100
174 75.7 0.0 158.6
176 74.4 0.0 159.0

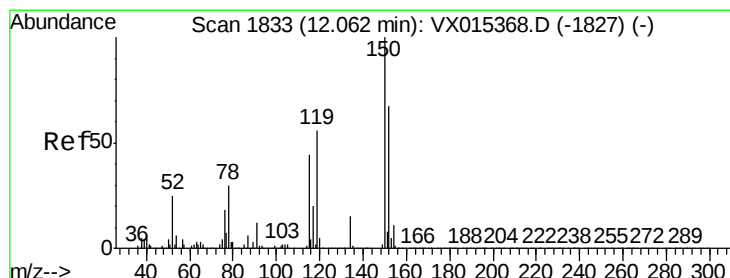
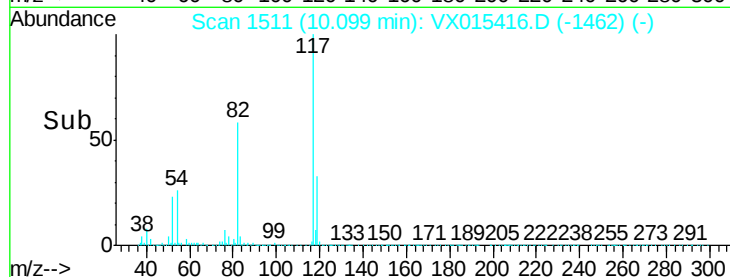
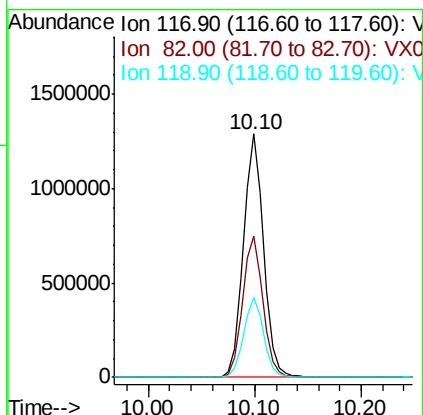
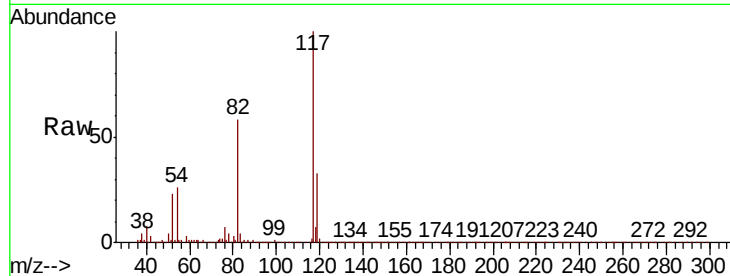




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015416.D
Acq: 28 Mar 2020 05:48

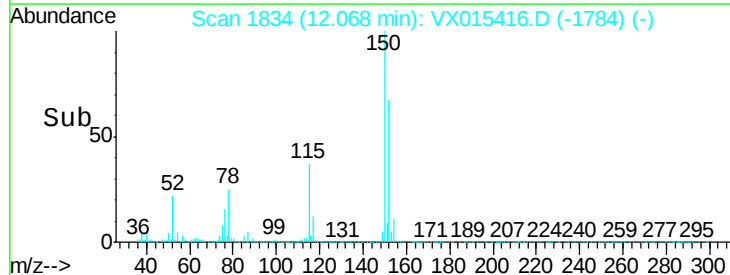
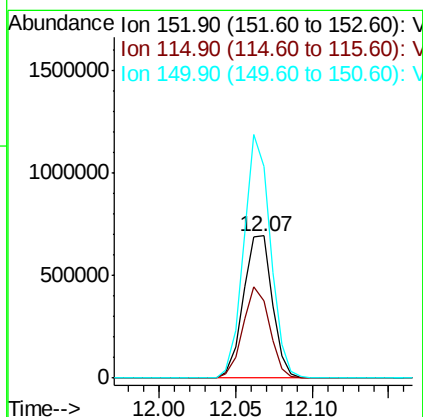
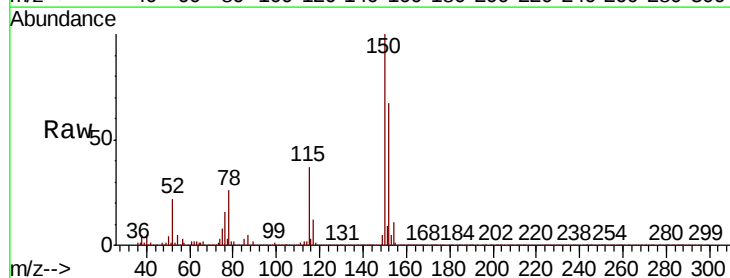
Instrument :
MSVOA_X
ClientSampleId :
MW-1

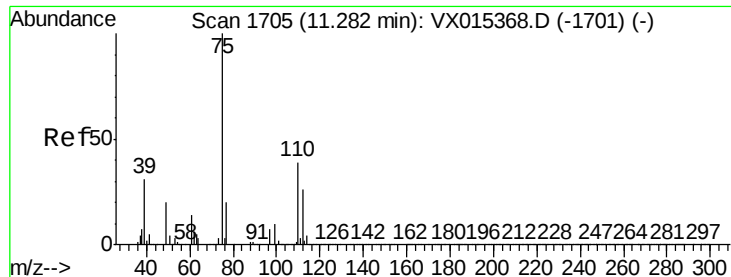
Tot Ion:117 Resp: 1719736
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.8
119 32.5 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VX015416.D
Acq: 28 Mar 2020 05:48

Tgt Ion:152 Resp: 914780
Ion Ratio Lower Upper
152 100
115 59.3 39.0 116.9
150 157.4 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 26.112 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

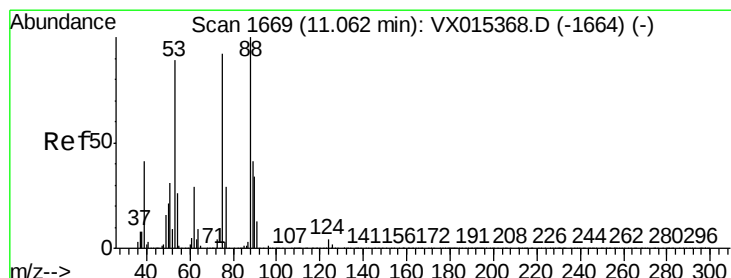
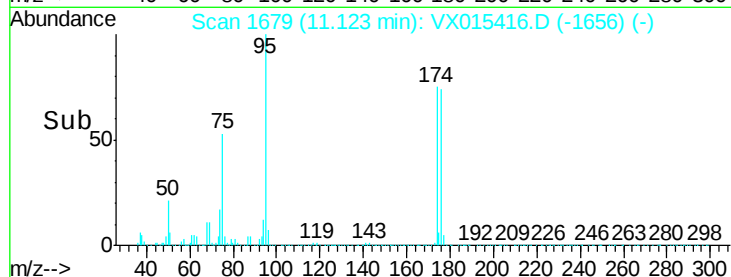
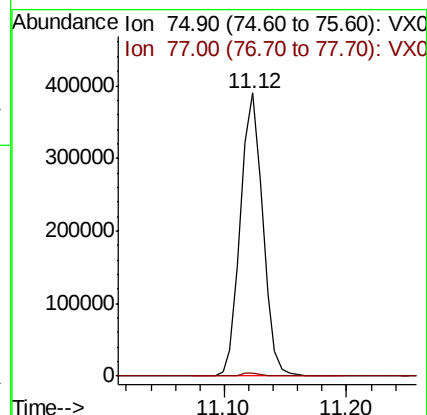
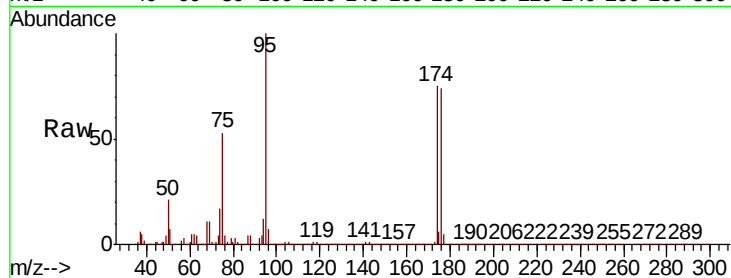
MW-1

Tot Ion: 75 Resp: 491213

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.655 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015416.D

Acq: 28 Mar 2020 05:48

Tgt Ion: 75 Resp: 491213

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#

