

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010651.D
 Acq On : 03 Jul 2019 19:32
 Operator : JC/SP
 Sample : K3666-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-9-070219

Quant Time: Jul 04 03:39:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113548	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
35) Dibromofluoromethane	5.50	113	106560	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	8.71	98	415497	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	139398	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

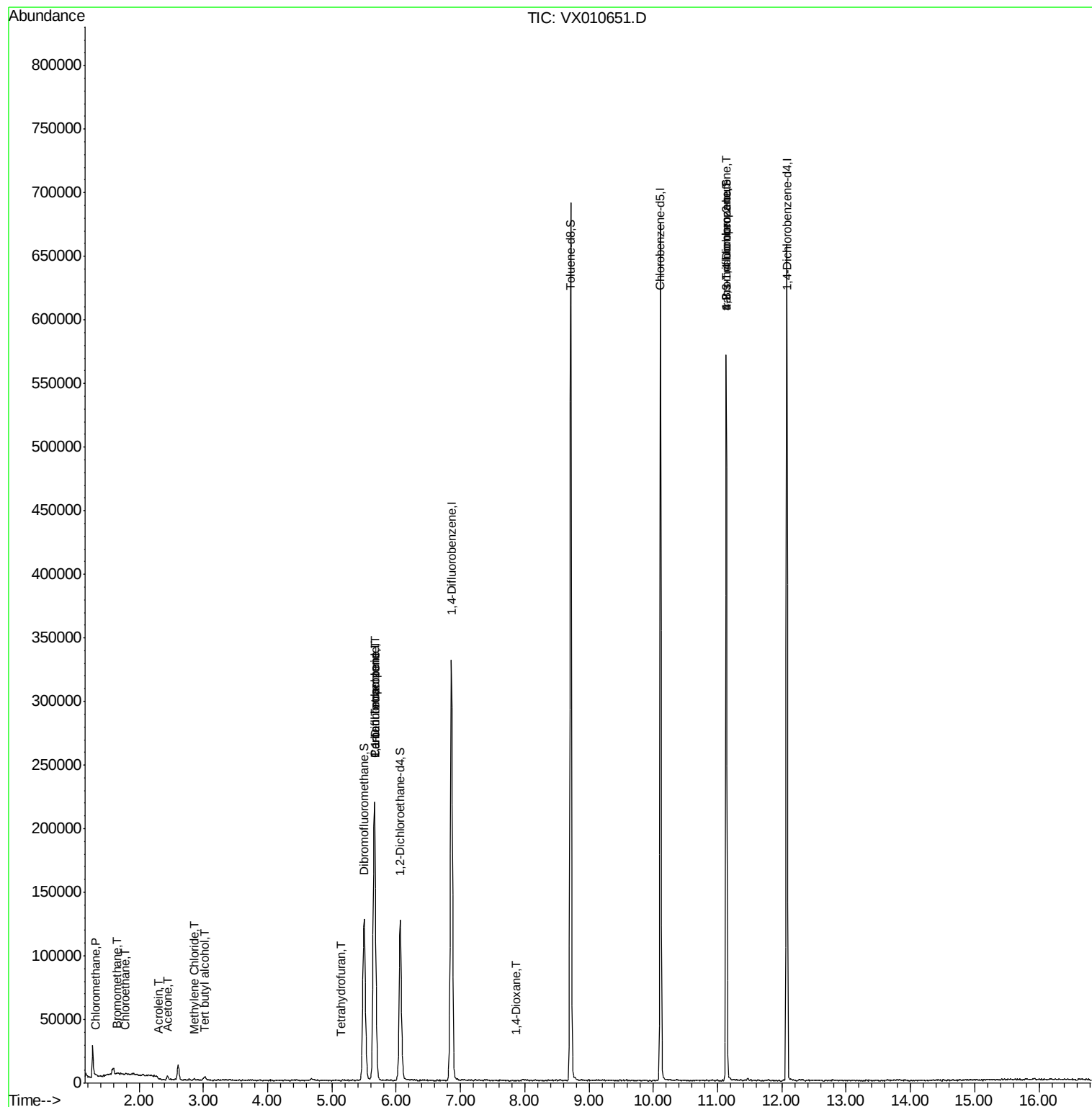
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	844	0.460	ug/l	92
5) Bromomethane	1.65	94	585	0.597	ug/l #	68
6) Chloroethane	1.78	64	635	0.535	ug/l #	56
11) Tert butyl alcohol	3.02	59	1770	3.182	ug/l #	81
13) Acrolein	2.31	56	152	0.412	ug/l #	1
16) Acetone	2.44	43	2951	2.770	ug/l	92
20) Methylene Chloride	2.85	84	594	0.271	ug/l #	70
29) Tetrahydrofuran	5.13	42	216	0.223	ug/l #	46
36) 1,1-Dichloropropene	5.66	75	14744	5.245	ug/l #	48
38) Carbon Tetrachloride	5.67	117	20334	6.681	ug/l #	14
49) 1,4-Dioxane	7.87	88	38	0.593	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67715	25.561	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67715	59.630	ug/l #	16

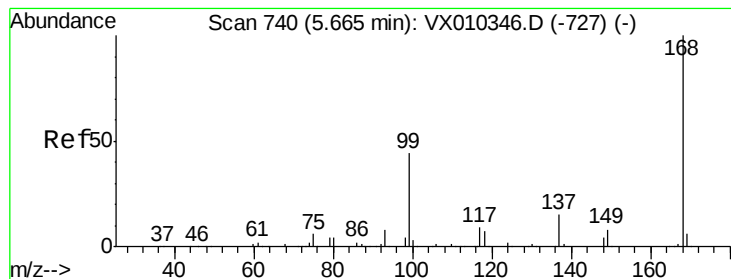
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010651.D

Acq: 03 Jul 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

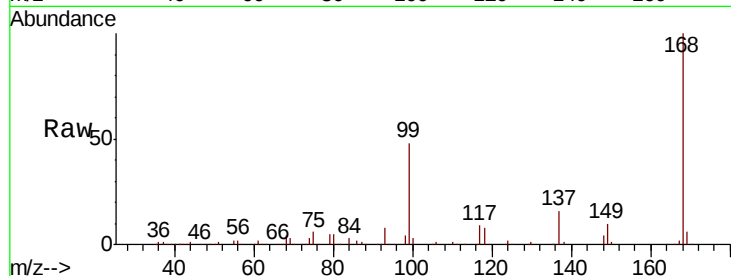
MWHR2-9-070219

Tot Ion:168 Resp: 226713

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

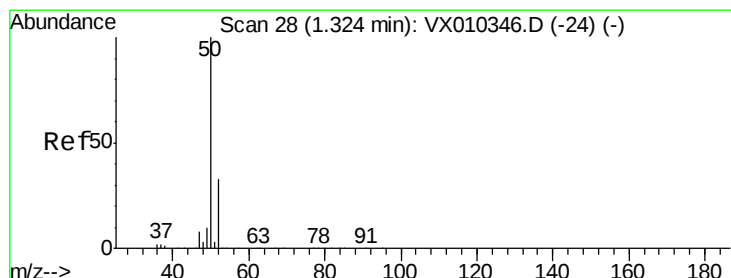
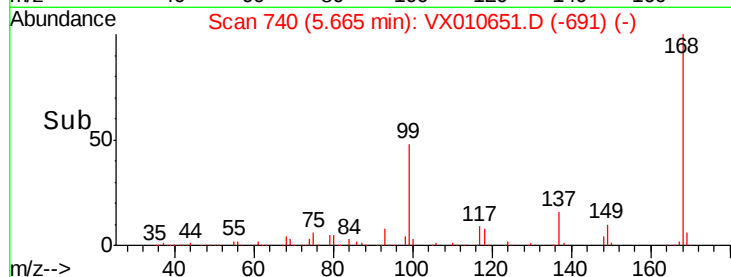
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.460 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010651.D

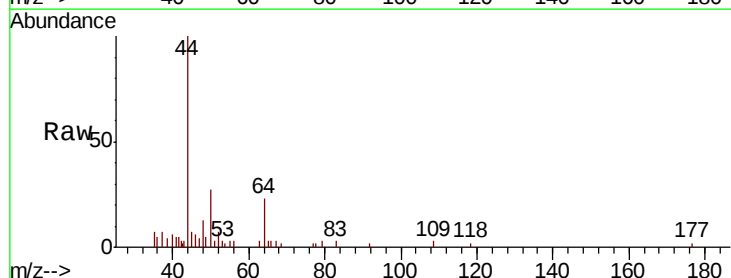
Acq: 03 Jul 2019 19:32

Tgt Ion: 50 Resp: 844

Ion Ratio Lower Upper

50 100

52 28.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

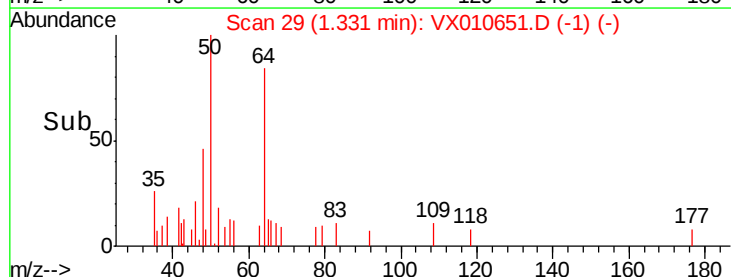
600

400

200

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.597 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010651.D

Acq: 03 Jul 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

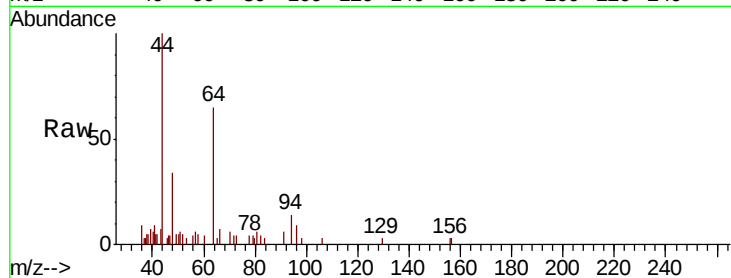
MWHR2-9-070219

Tot Ion: 94 Resp: 585

Ion Ratio Lower Upper

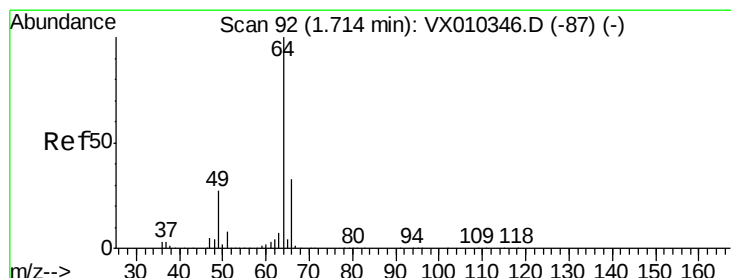
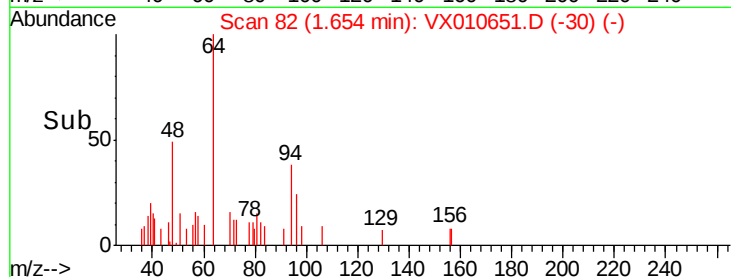
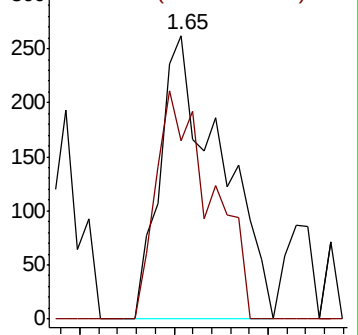
94 100

96 63.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.535 ug/l

RT: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX010651.D

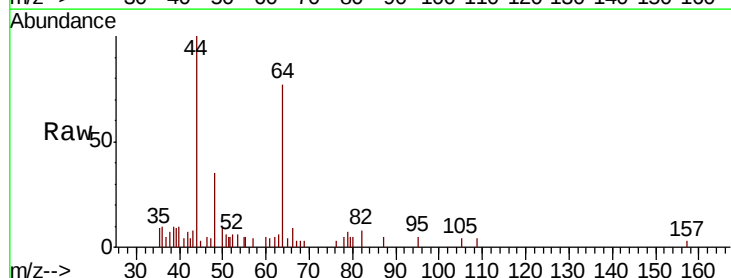
Acq: 03 Jul 2019 19:32

Tgt Ion: 64 Resp: 635

Ion Ratio Lower Upper

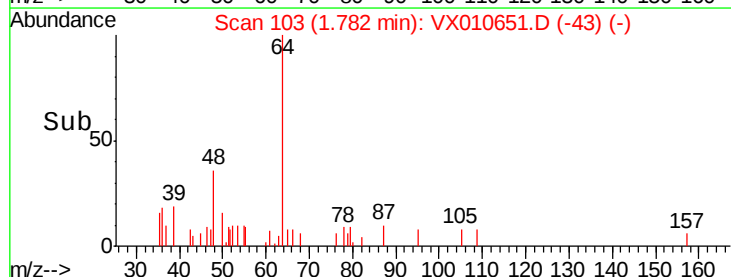
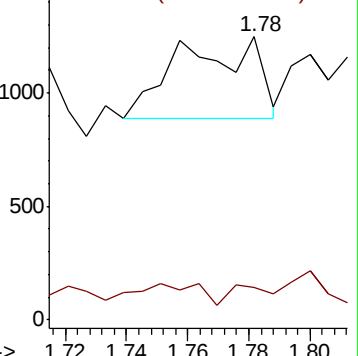
64 100

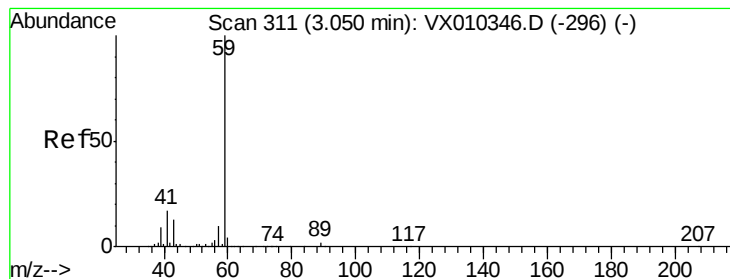
66 8.1 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



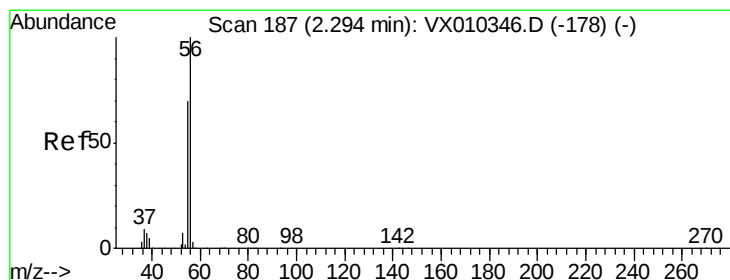
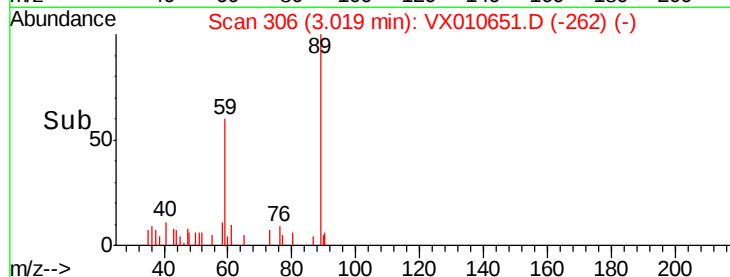
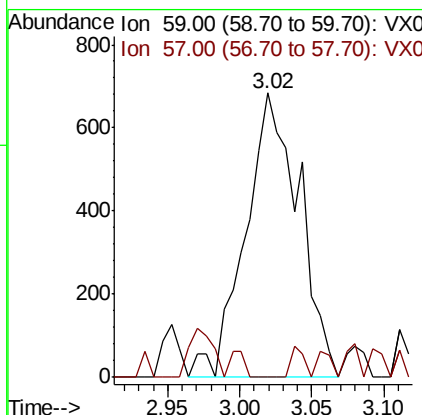
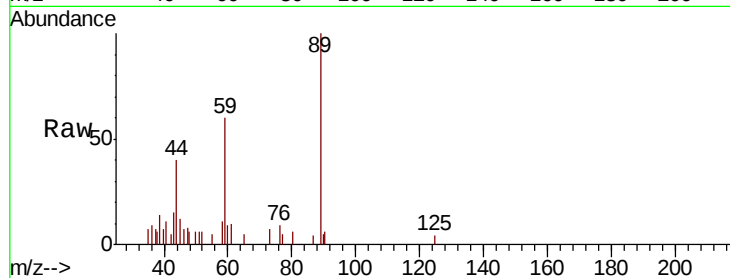


#11

Tert butyl alcohol
 Concen: 3.182 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010651.D
 Acq: 03 Jul 2019 19:32

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-9-070219

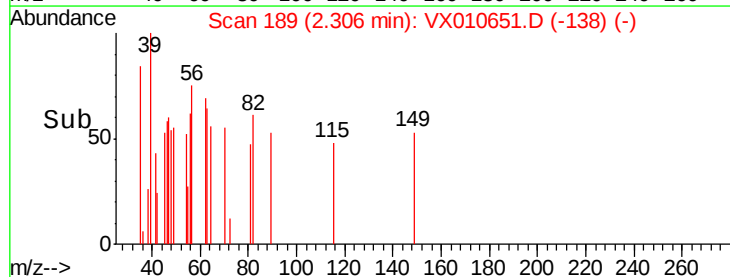
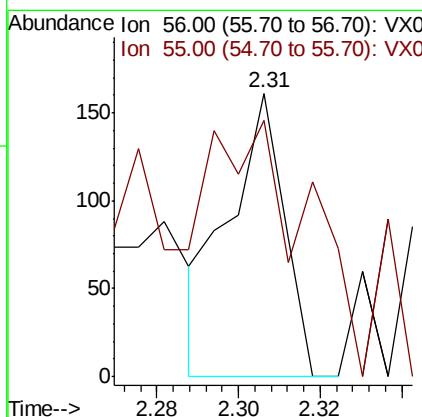
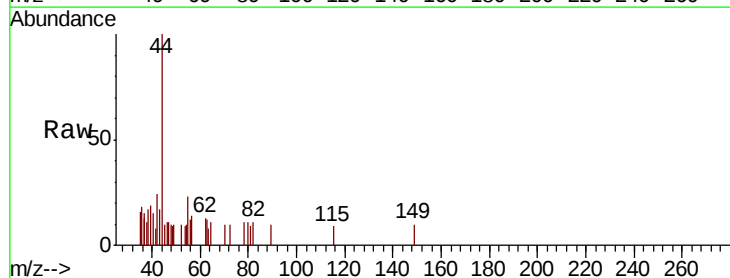
Tot Ion: 59 Resp: 1770
 Ion Ratio Lower Upper
 59 100
 57 2.7 7.7 11.5#

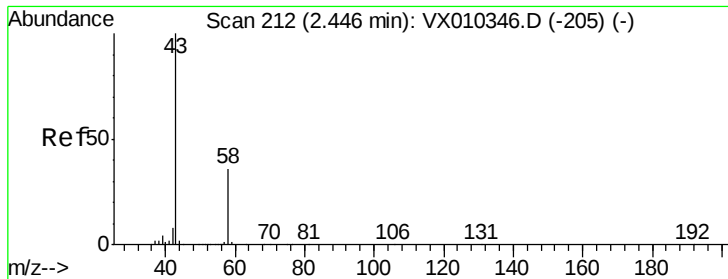


#13

Acrolein
 Concen: 0.412 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX010651.D
 Acq: 03 Jul 2019 19:32

Tgt Ion: 56 Resp: 152
 Ion Ratio Lower Upper
 56 100
 55 156.6 56.9 85.3#





#16

Acetone

Concen: 2.770 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010651.D

Acq: 03 Jul 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

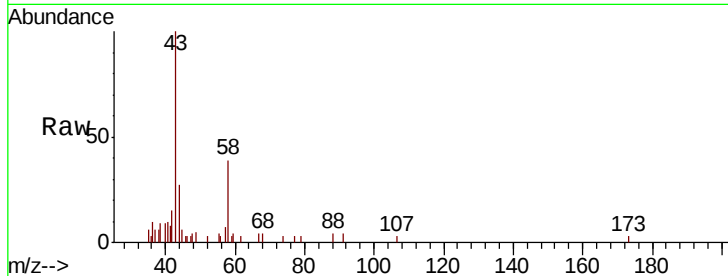
MWHR2-9-070219

Tot Ion: 43 Resp: 2951

Ion Ratio Lower Upper

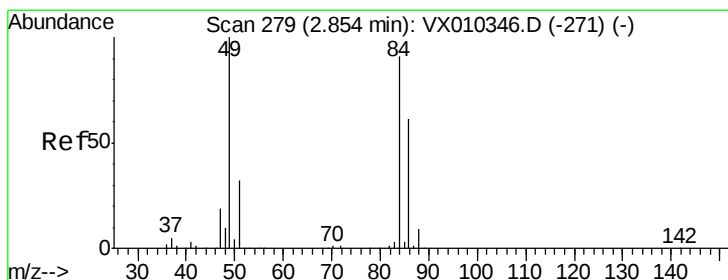
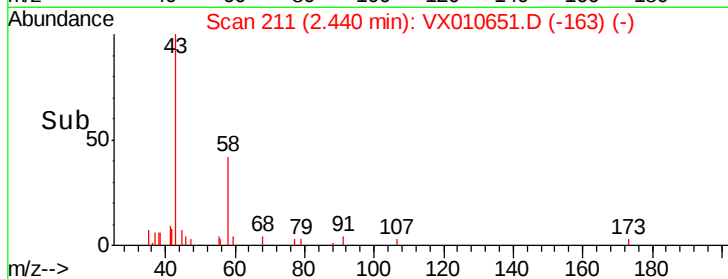
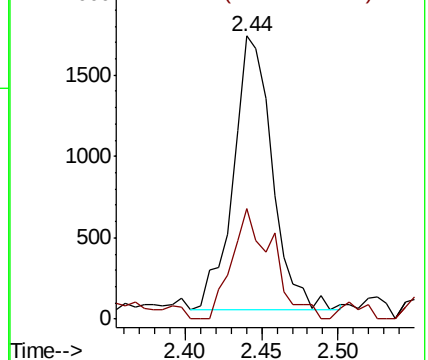
43 100

58 40.5 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.271 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010651.D

Acq: 03 Jul 2019 19:32

Tgt Ion: 84 Resp: 594

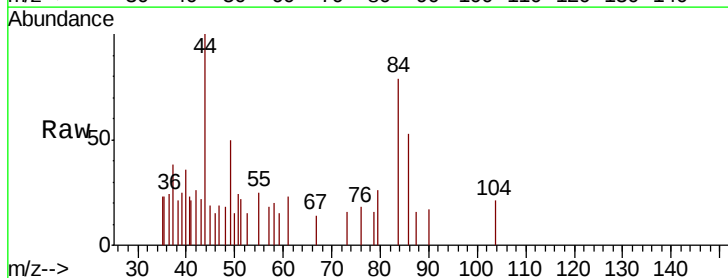
Ion Ratio Lower Upper

84 100

49 63.0 87.5 131.3#

51 59.1 27.7 41.5#

86 67.9 53.4 80.0

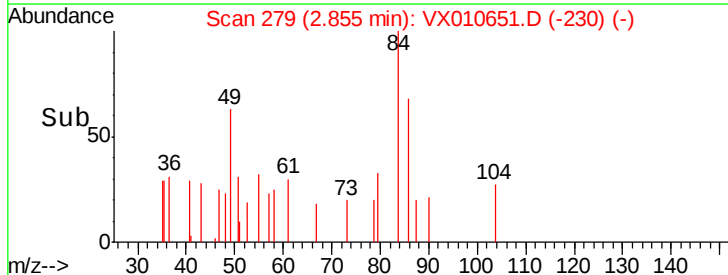
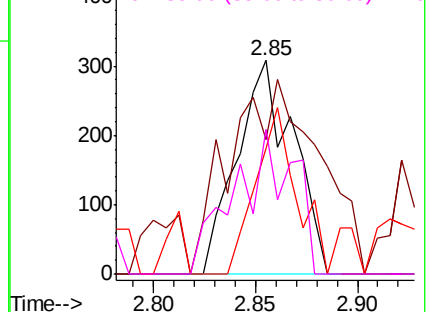


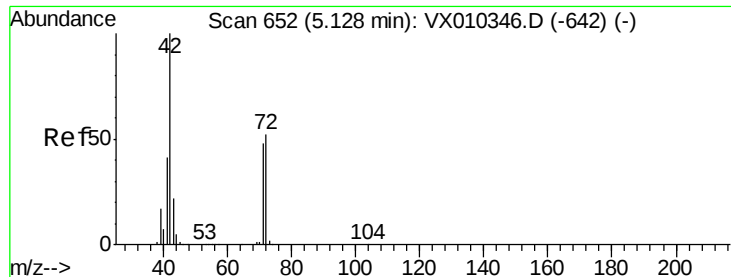
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

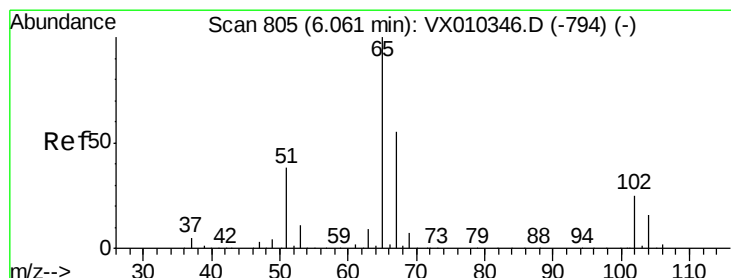
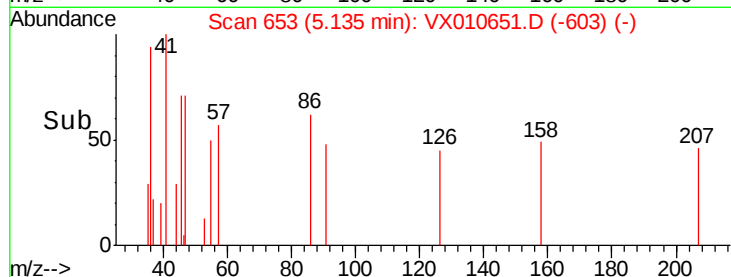
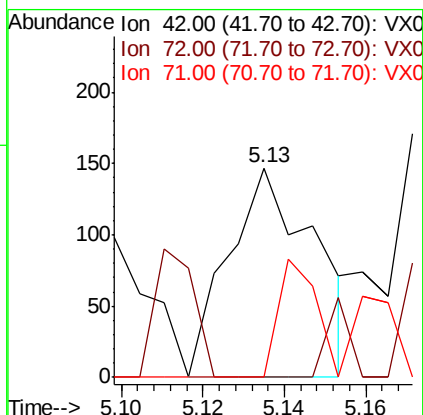
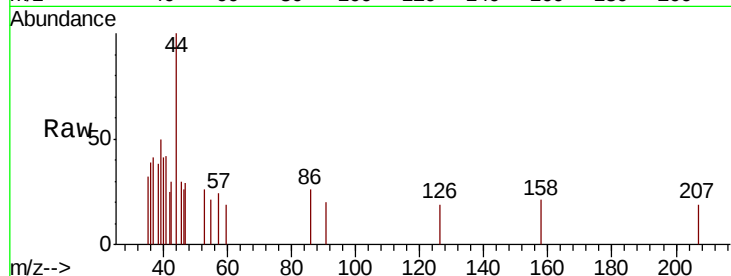




#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

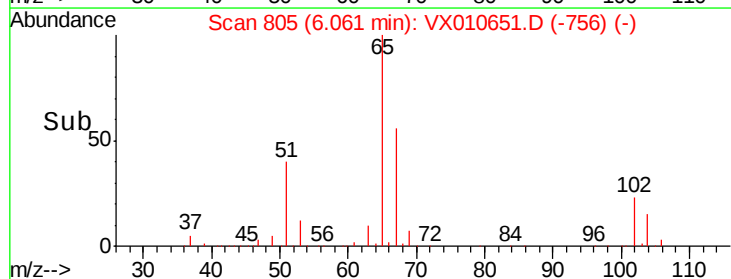
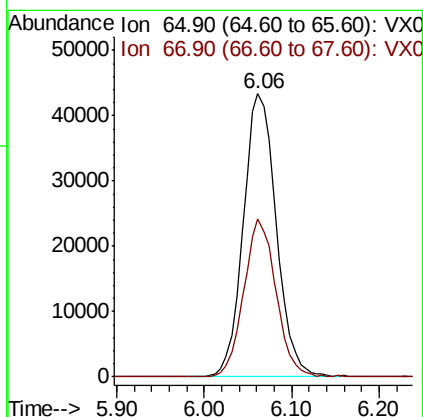
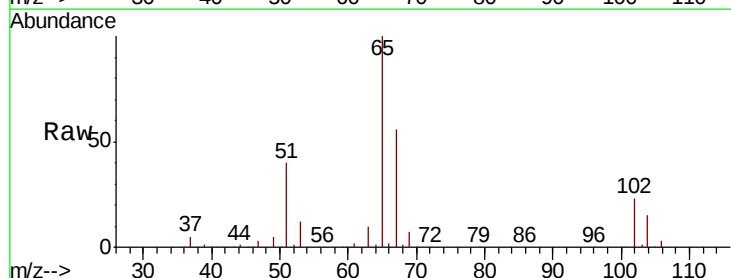
Instrument :
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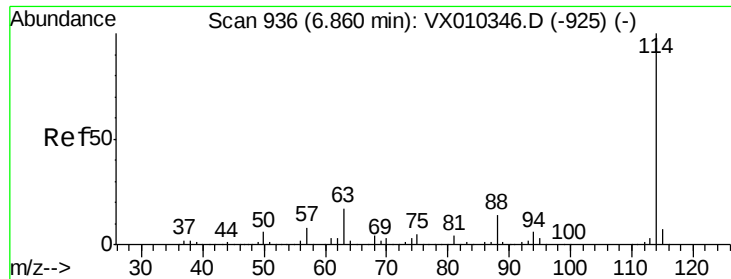
Tot Ion: 42 Resp: 216
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 25.0 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 53.418 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

Tgt Ion: 65 Resp: 113548
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.2

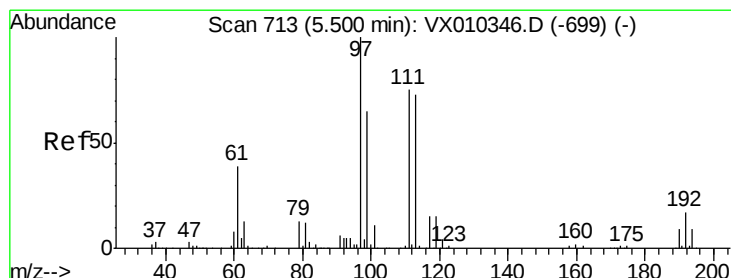
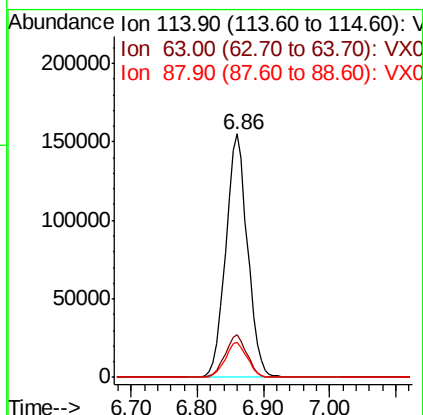
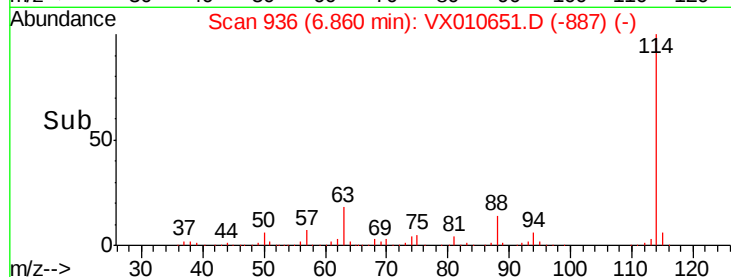
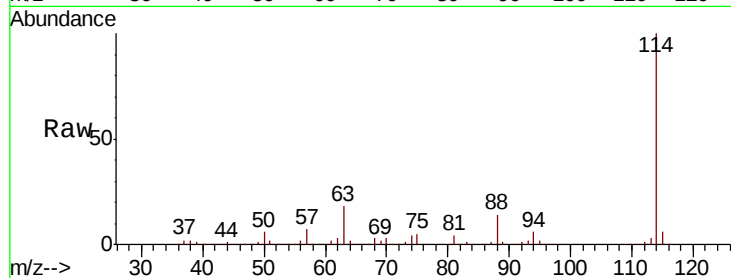




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

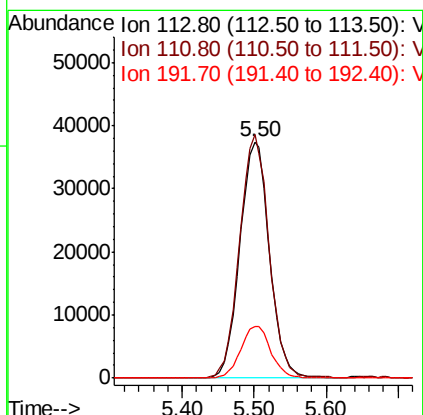
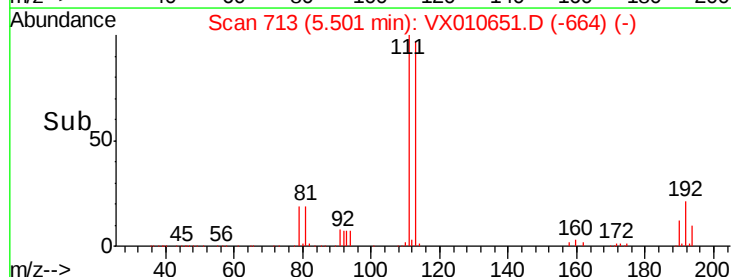
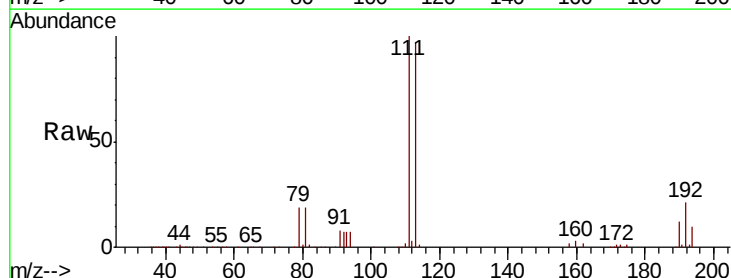
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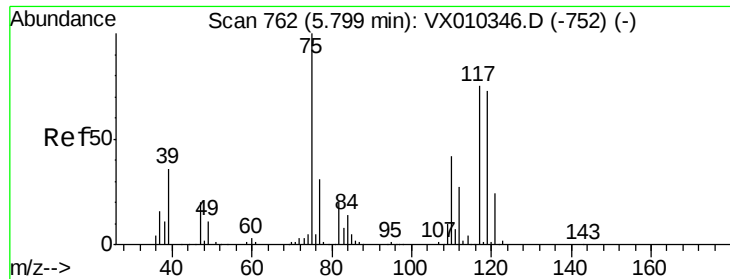
Tot Ion:114 Resp: 353719
Ion Ratio Lower Upper
114 100
63 17.6 0.0 33.8
88 14.5 0.0 27.6



#35
Dibromofluoromethane
Concen: 49.238 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

Tgt Ion:113 Resp: 106560
Ion Ratio Lower Upper
113 100
111 103.0 81.2 121.8
192 22.5 18.6 27.8

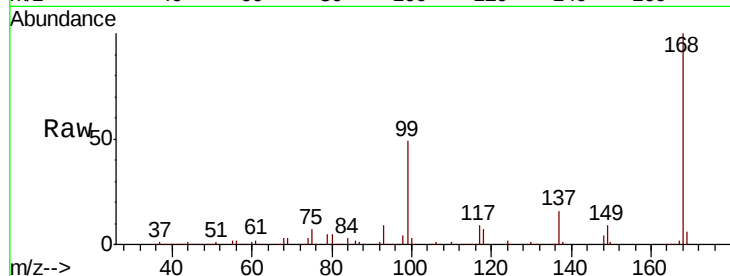




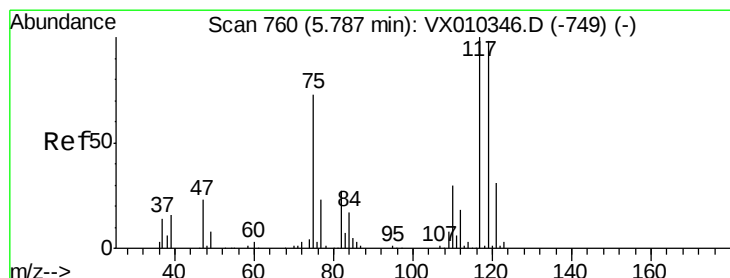
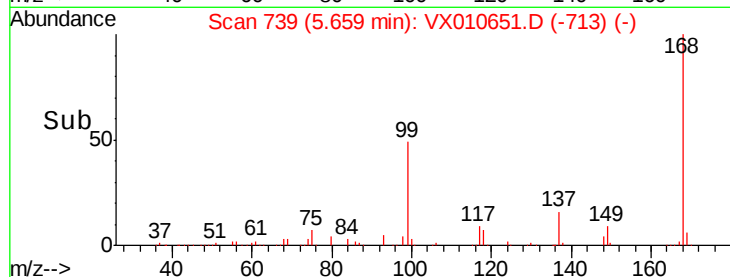
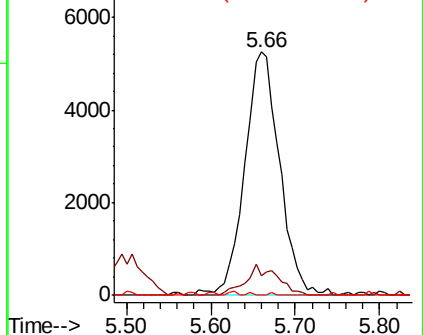
#36
 1,1-Dichloropropene
 Concen: 5.245 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010651.D
 Acq: 03 Jul 2019 19:32

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-9-070219

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	20.8	62.2#
77	0.1	25.4	38.0#

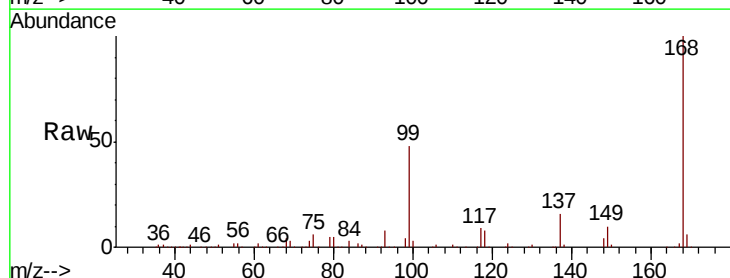


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

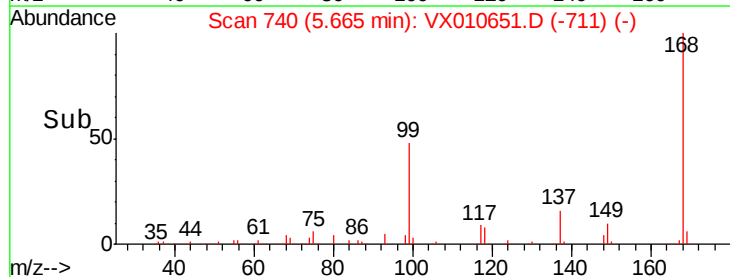
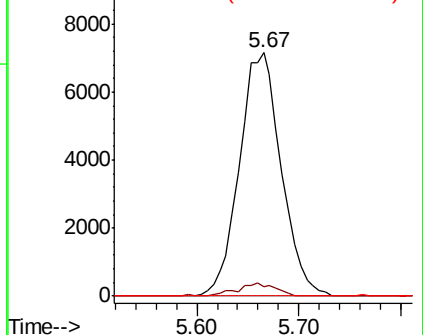


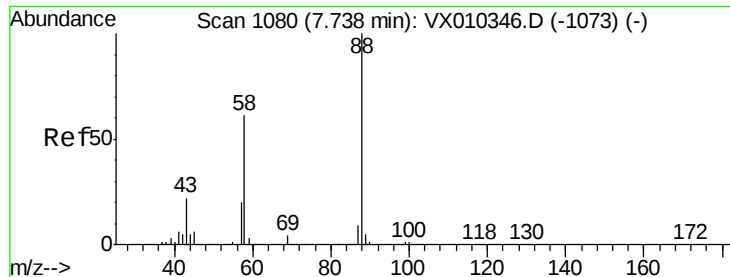
#38
 Carbon Tetrachloride
 Concen: 6.681 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010651.D
 Acq: 03 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.2	117.4#
121	0.0	24.7	37.1#



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

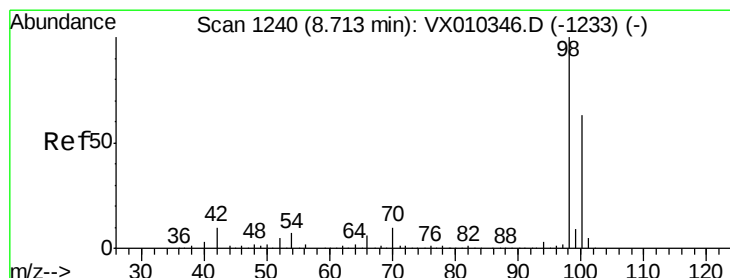
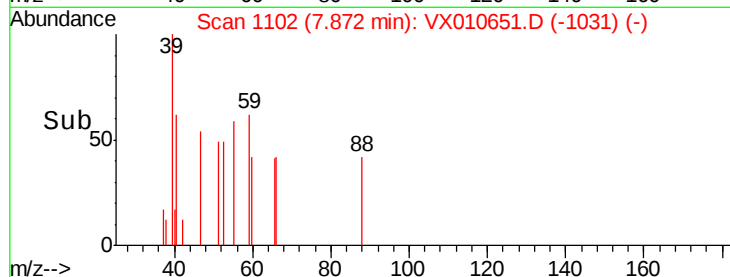
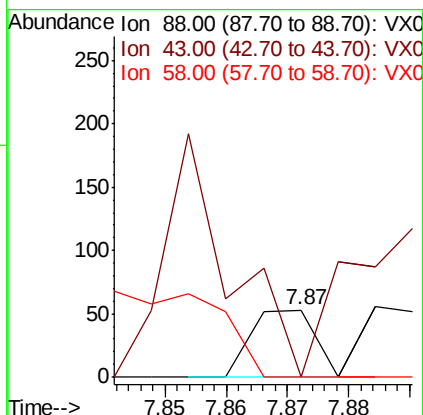
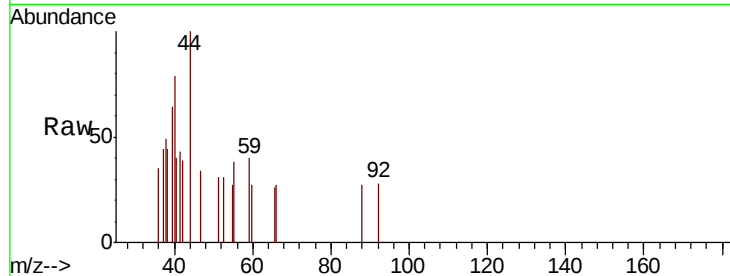




#49
1,4-Dioxane
Concen: 0.593 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.13 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

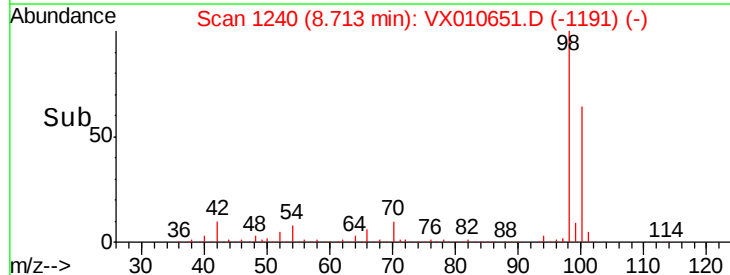
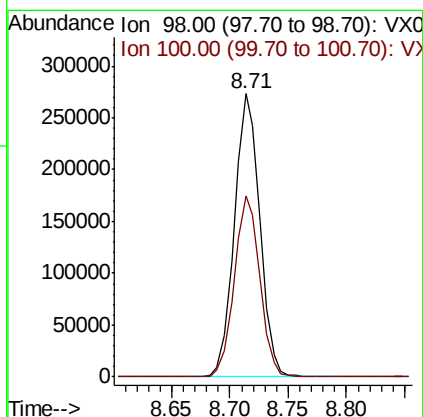
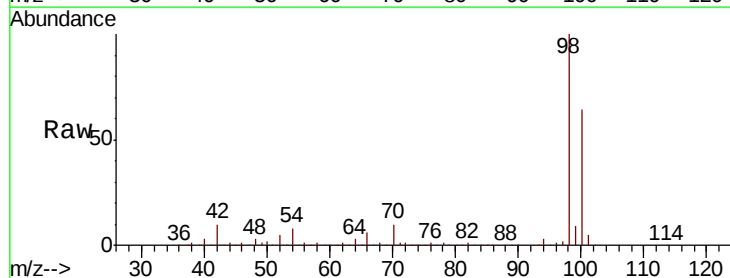
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-9-070219

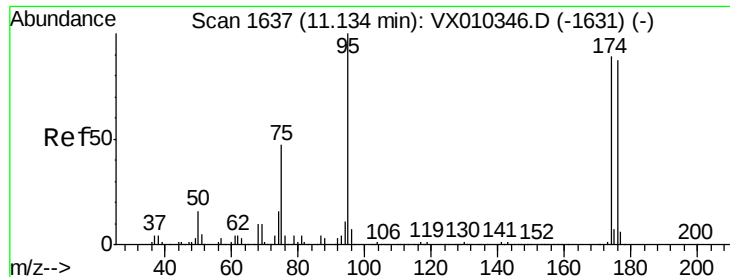
Tot Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 378.9 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 50.182 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

Tgt Ion: 98 Resp: 415497
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

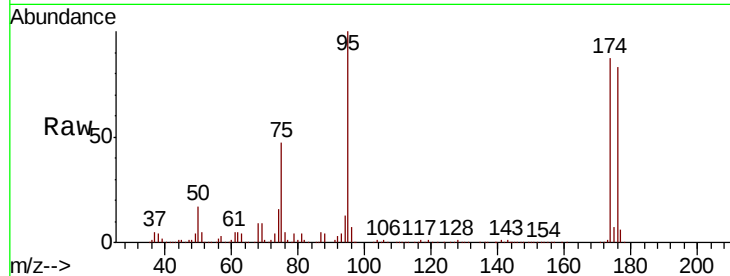




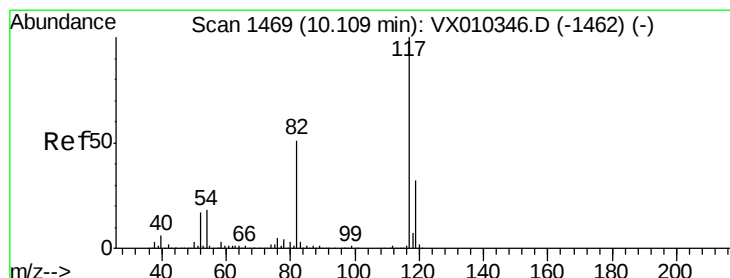
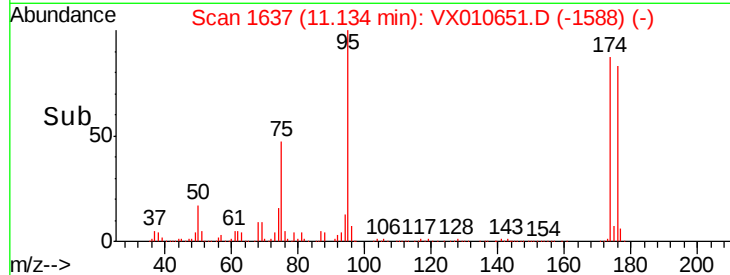
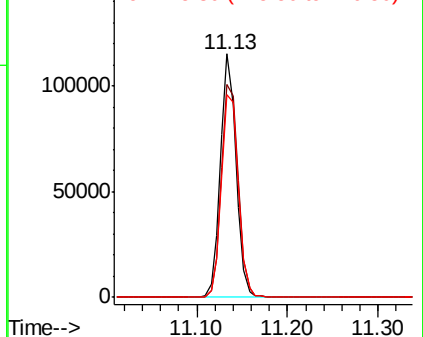
#62
4-Bromofluorobenzene
Concen: 46.634 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-9-070219

Tot Ion: 95 Resp: 139398
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.6
176 90.4 0.0 184.0

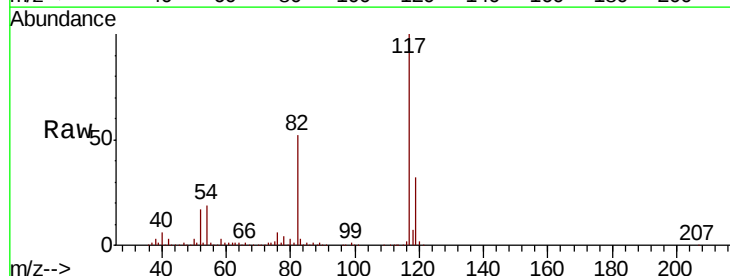


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

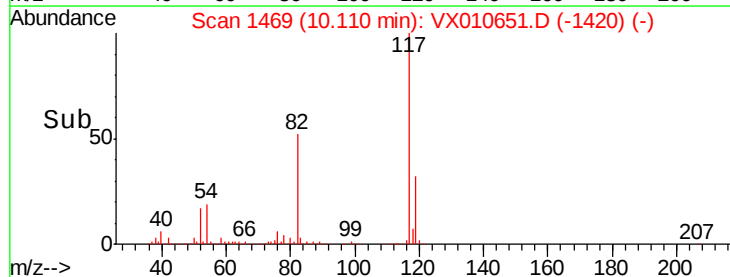
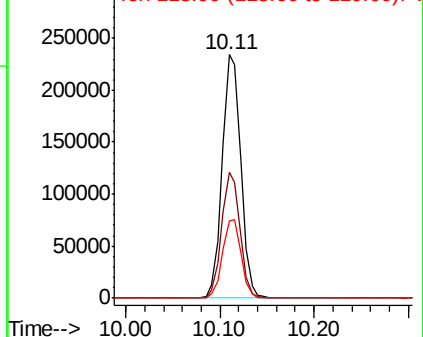


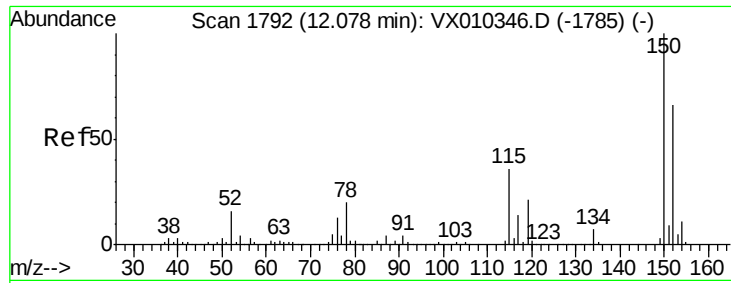
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010651.D
Acq: 03 Jul 2019 19:32

Tgt Ion: 117 Resp: 319669
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 31.8 25.5 38.3



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010651.D

Acq: 03 Jul 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-9-070219

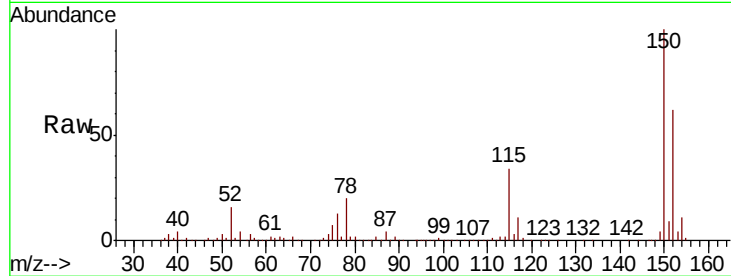
Tot Ion:152 Resp: 145379

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

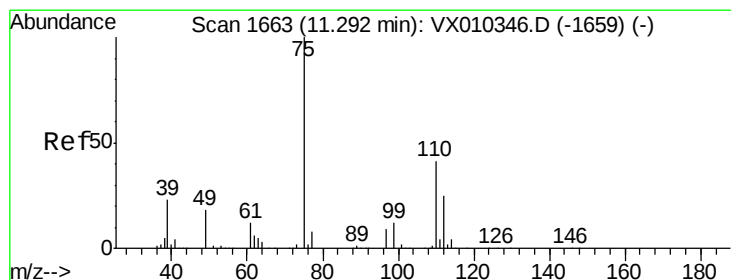
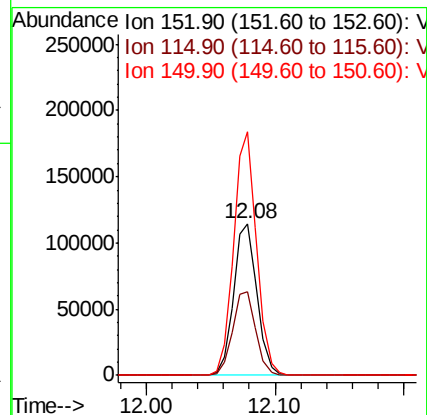
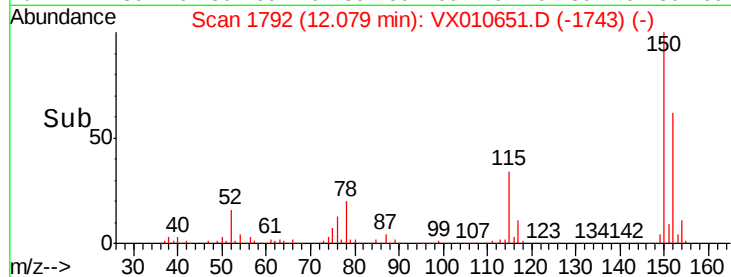
150 157.2 0.0 347.4



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: 25.561 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010651.D

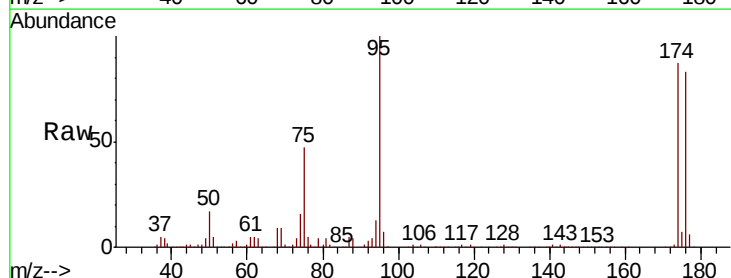
Acq: 03 Jul 2019 19:32

Tgt Ion: 75 Resp: 67715

Ion Ratio Lower Upper

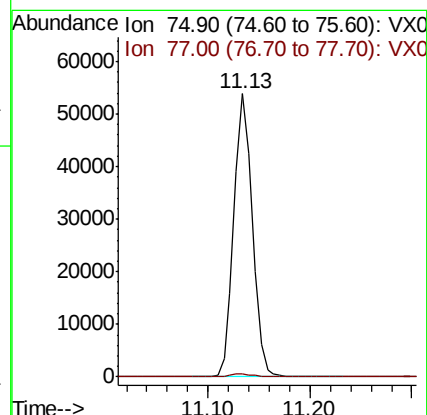
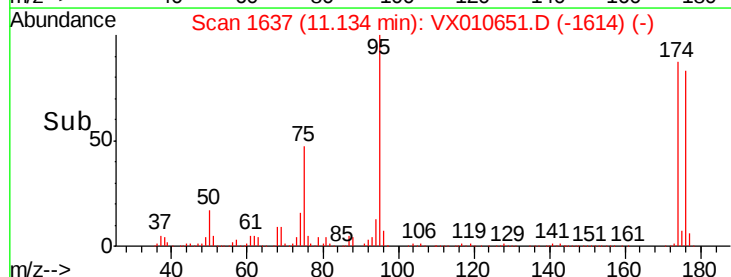
75 100

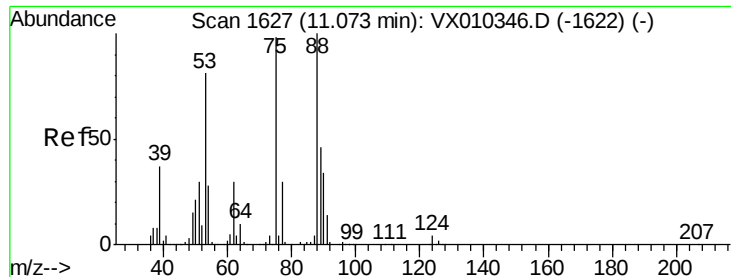
77 1.3 22.6 67.8#



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: 59.630 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010651.D

Acq: 03 Jul 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-9-070219

Tot Ion: 75 Resp: 67715

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

