

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041819\
 Data File : VX009055.D
 Acq On : 18 Apr 2019 19:39
 Operator : JC/SP
 Sample : K2461-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-11

Quant Time: Apr 19 01:40:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	378582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	325301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135281	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	159351	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	5.50	113	116396	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	8.71	98	470964	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.13	95	153280	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

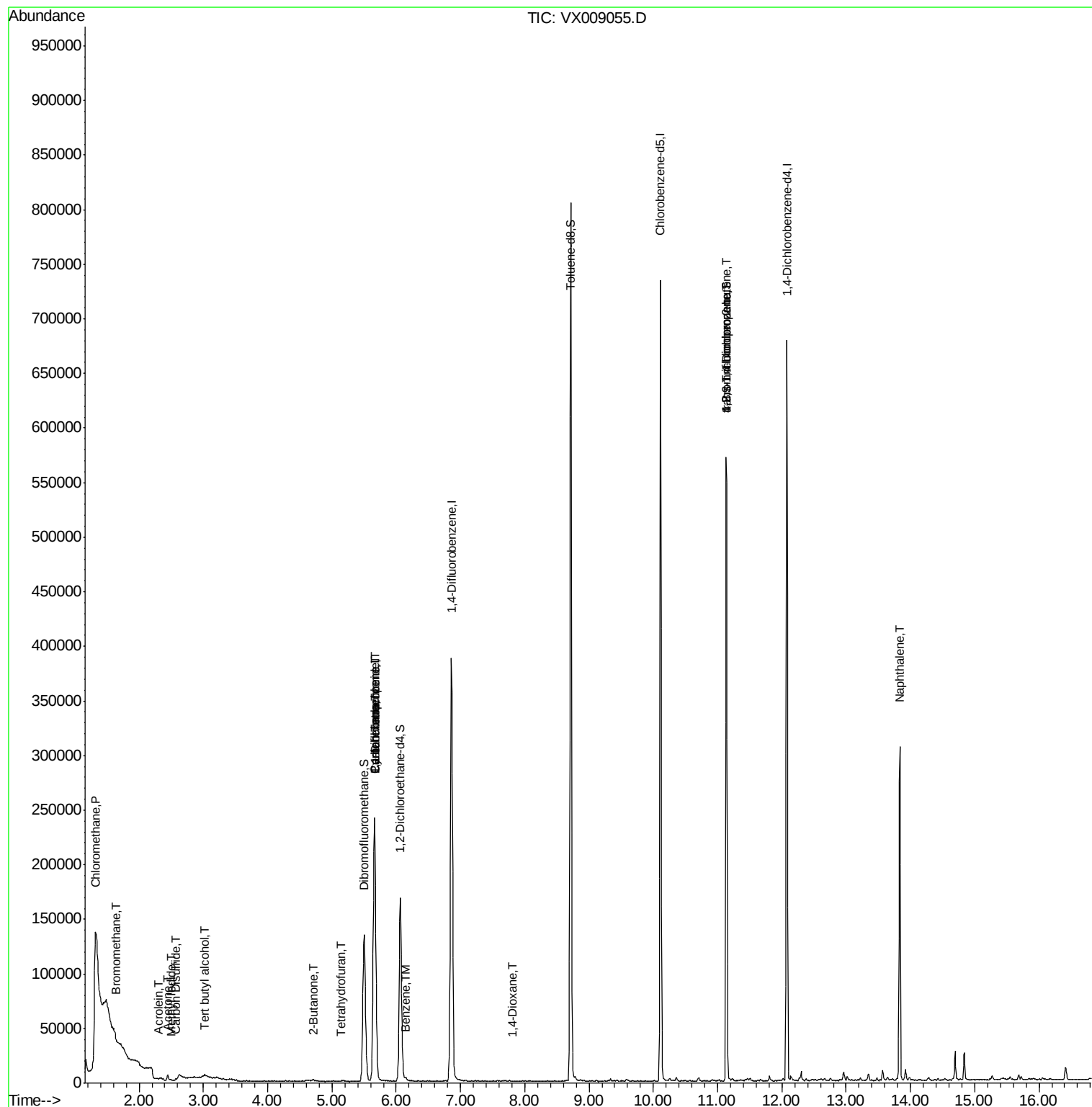
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	10980	3.338	ug/l #	53
5) Bromomethane	1.64	94	144	3.915	ug/l	94
10) Methyl Iodide	2.51	142	140	4.463	ug/l #	42
11) Tert butyl alcohol	3.02	59	1504	2.067	ug/l #	84
13) Acrolein	2.29	56	282	0.449	ug/l #	76
16) Acetone	2.45	43	5680	3.342	ug/l	94
17) Carbon Disulfide	2.57	76	2901	1.639	ug/l	95
25) 2-Butanone	4.71	43	1392	0.512	ug/l #	80
28) Bromochloromethane	4.99	49	40	Below Cal	#	21
29) Tetrahydrofuran	5.15	42	475	0.261	ug/l #	45
31) Cyclohexane	5.66	56	5492	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18334	4.683	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22416	6.753	ug/l #	17
40) Benzene	6.15	78	2758	0.239	ug/l #	81
49) 1,4-Dioxane	7.81	88	19	0.253	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78466	23.754	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78466	60.983	ug/l #	11
95) Naphthalene	13.83	128	180681	17.472	ug/l	100

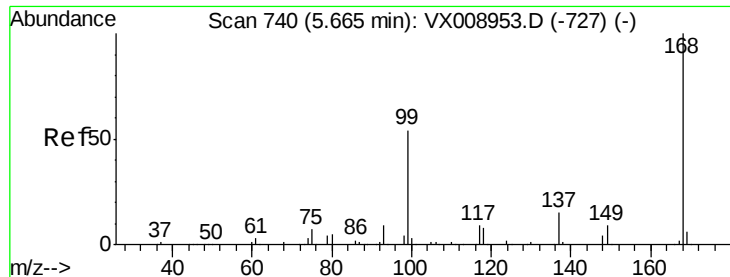
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041819\
Data File : VX009055.D
Acq On : 18 Apr 2019 19:39
Operator : JC/SP
Sample : K2461-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GMW-11

Quant Time: Apr 19 01:40:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
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: VX009055.D

Acq: 18 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

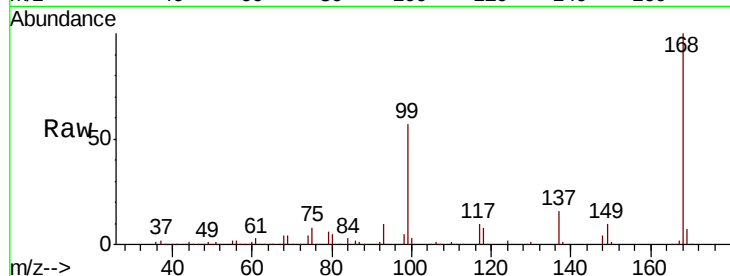
GMW-11

Tot Ion:168 Resp: 232589

Ion Ratio Lower Upper

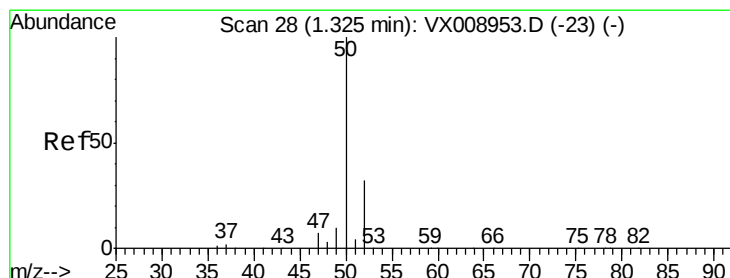
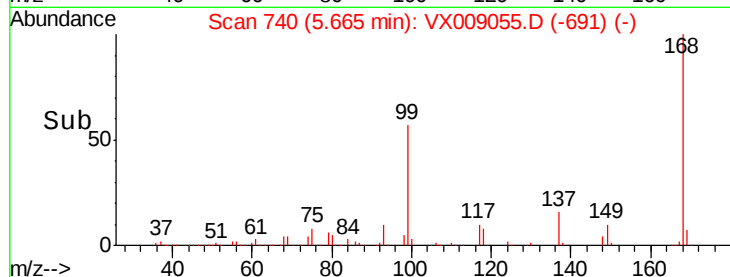
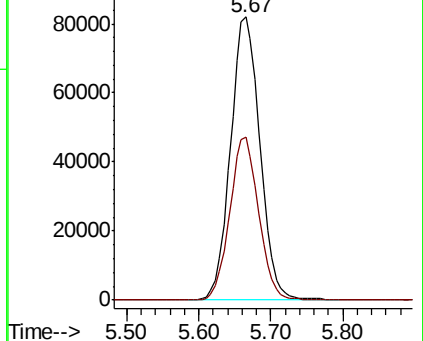
168 100

99 57.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 3.338 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009055.D

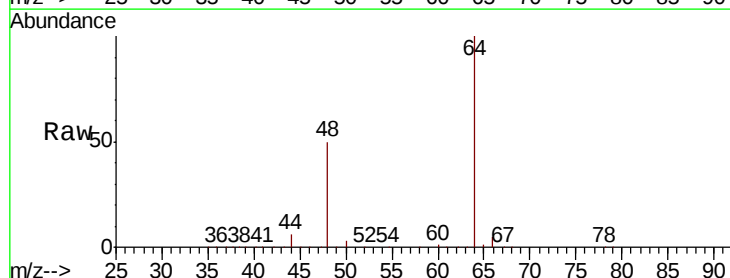
Acq: 18 Apr 2019 19:39

Tgt Ion: 50 Resp: 10980

Ion Ratio Lower Upper

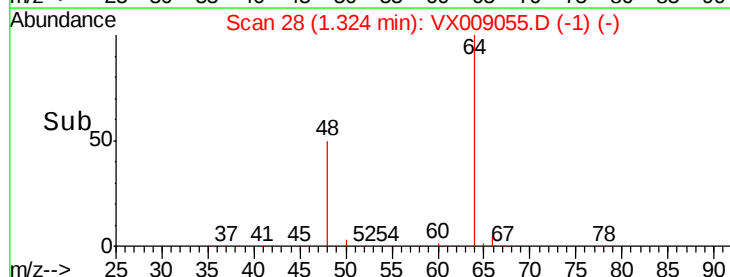
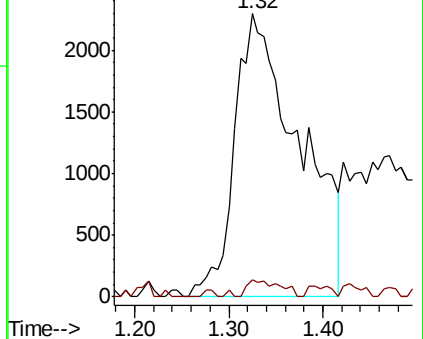
50 100

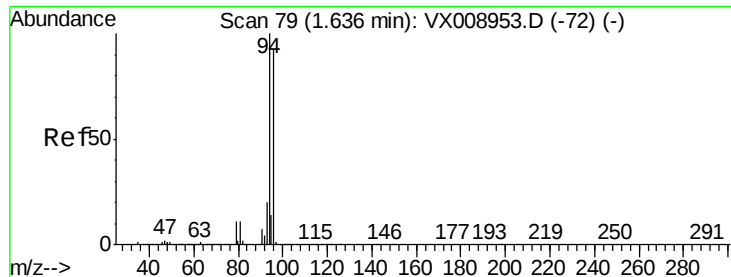
52 5.9 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 3.915 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009055.D

Acq: 18 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

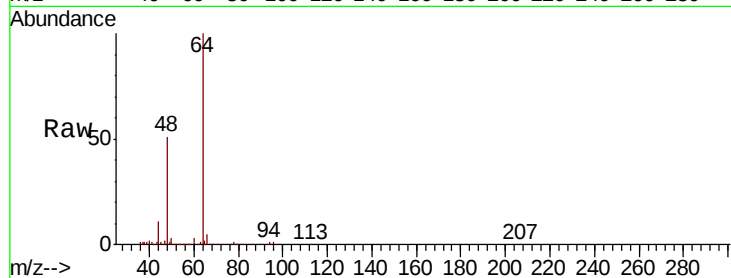
GMW-11

Tot Ion: 94 Resp: 144

Ion Ratio Lower Upper

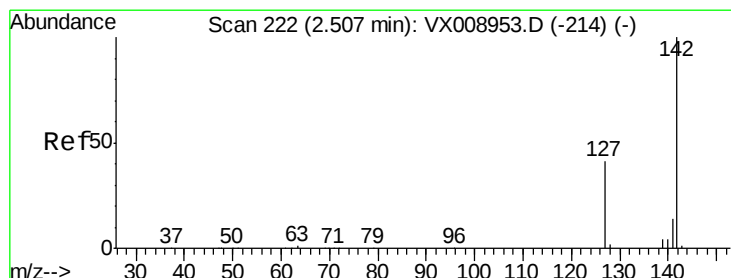
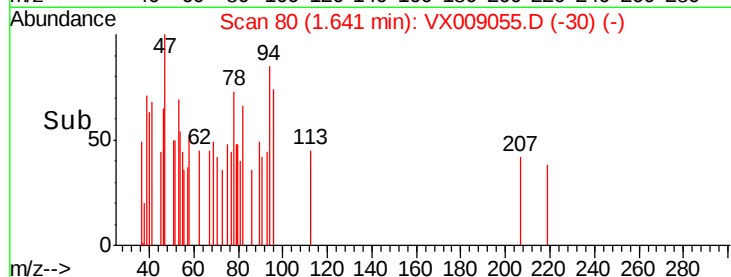
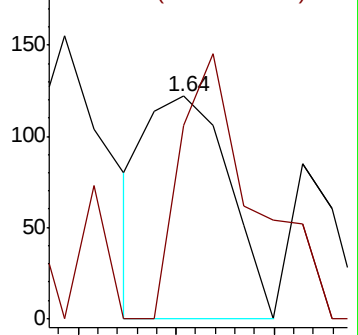
94 100

96 86.9 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.463 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009055.D

Acq: 18 Apr 2019 19:39

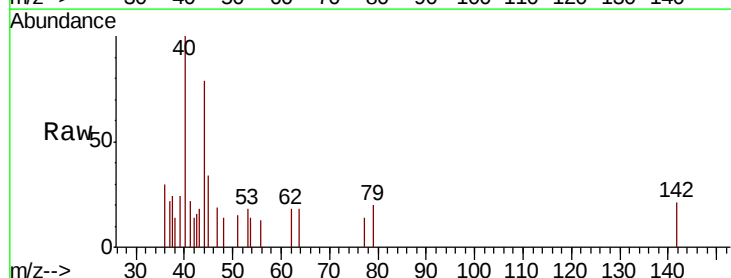
Tgt Ion: 142 Resp: 140

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

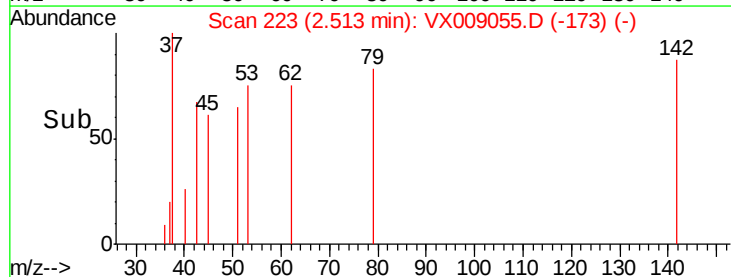
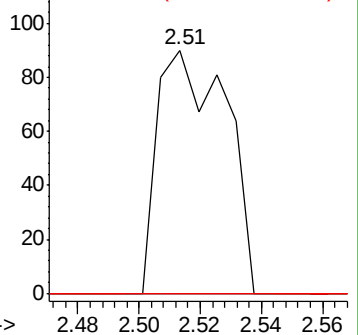
141 0.0 11.4 17.2#

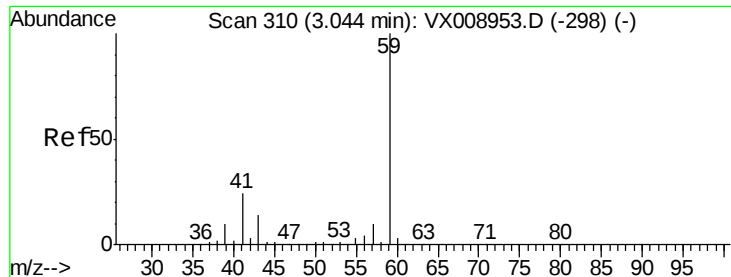


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



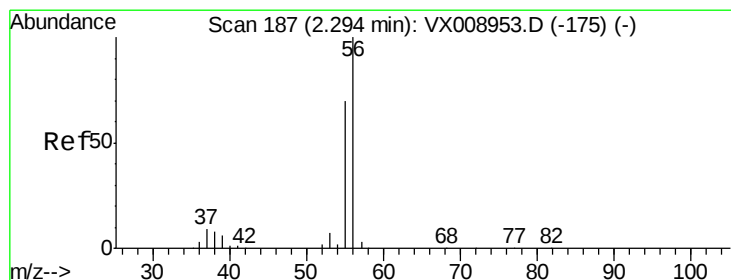
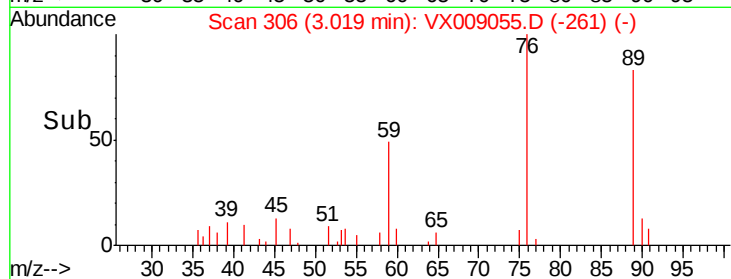
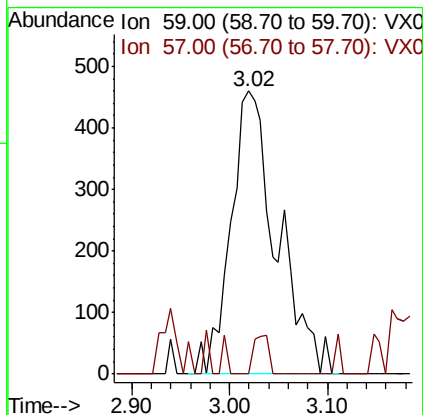
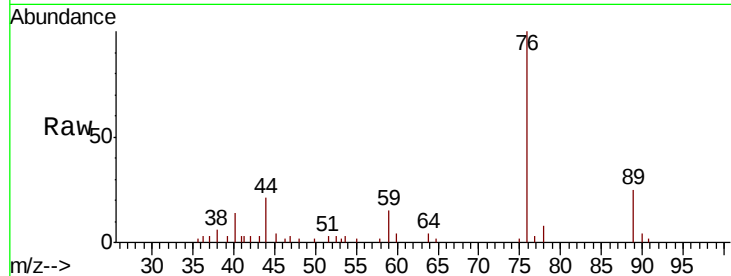


#11

Tert butyl alcohol
 Concen: 2.067 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009055.D
 Acq: 18 Apr 2019 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 GMW-11

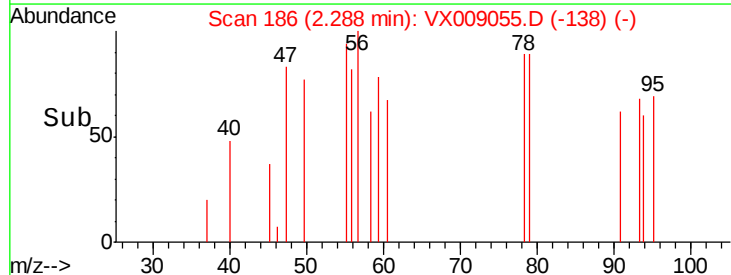
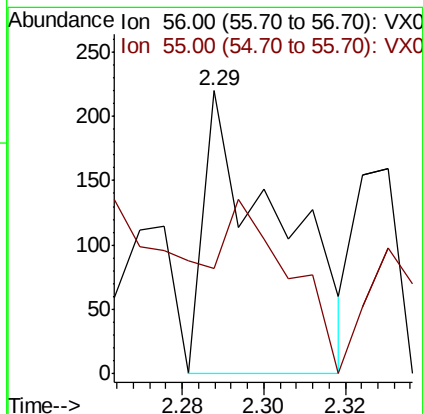
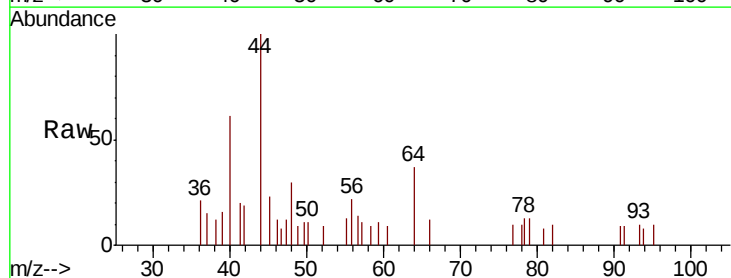
Tot Ion: 59 Resp: 1504
 Ion Ratio Lower Upper
 59 100
 57 4.4 8.4 12.6#

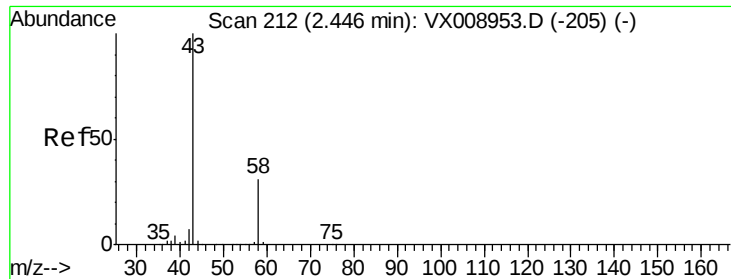


#13

Acrolein
 Concen: 0.449 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009055.D
 Acq: 18 Apr 2019 19:39

Tgt Ion: 56 Resp: 282
 Ion Ratio Lower Upper
 56 100
 55 50.7 56.6 84.8#





#16

Acetone

Concen: 3.342 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009055.D

Acq: 18 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

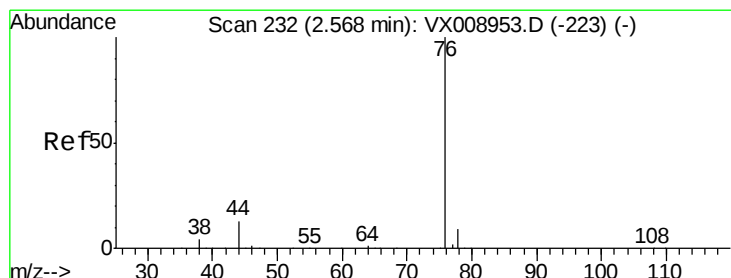
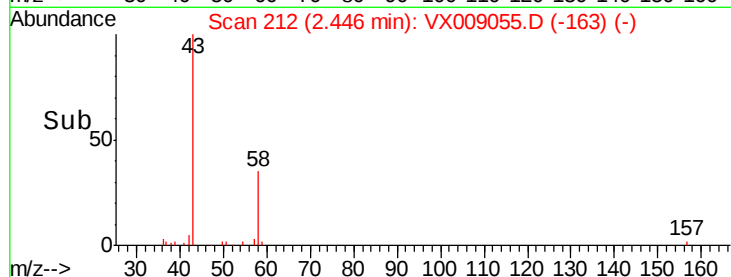
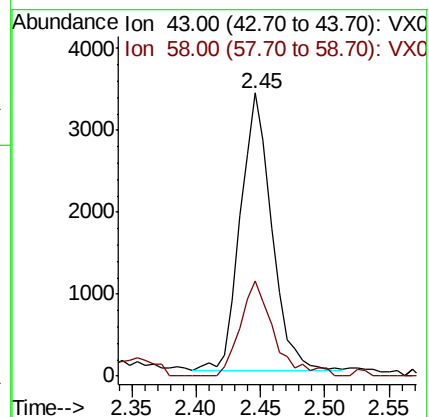
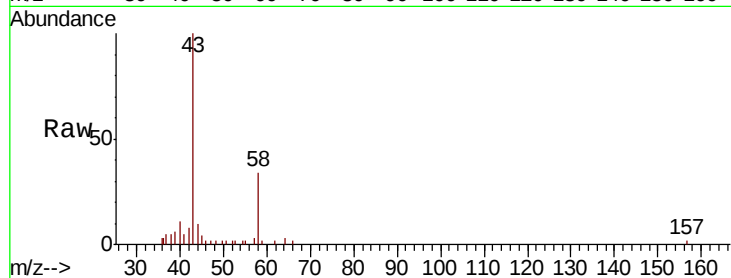
GMW-11

Tot Ion: 43 Resp: 5680

Ion Ratio Lower Upper

43 100

58 34.4 24.8 37.2



#17

Carbon Disulfide

Concen: 1.639 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009055.D

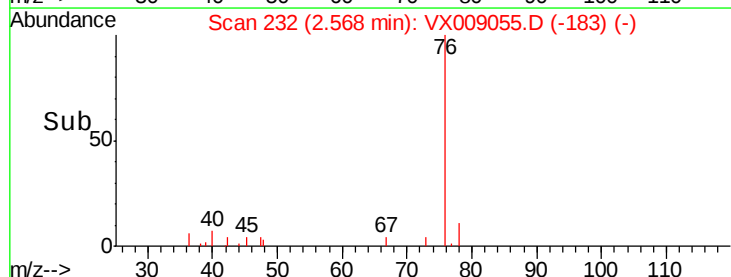
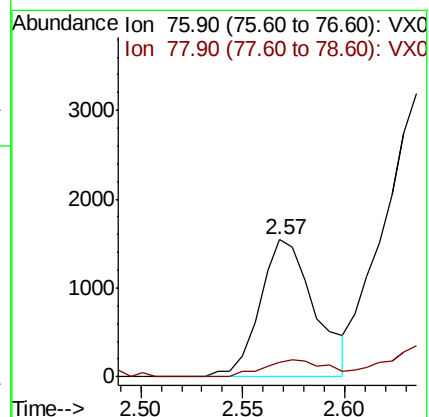
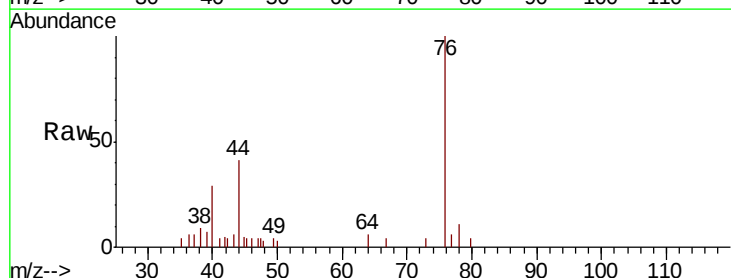
Acq: 18 Apr 2019 19:39

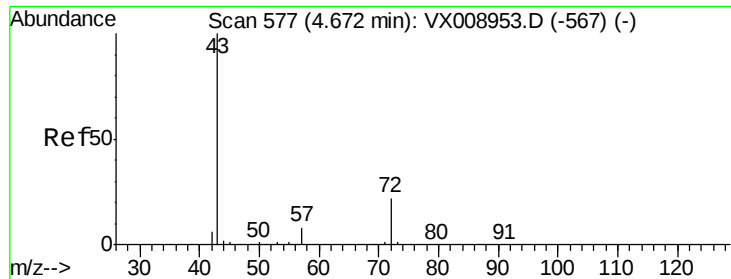
Tgt Ion: 76 Resp: 2901

Ion Ratio Lower Upper

76 100

78 10.6 7.2 10.8





#25

2-Butanone

Concen: 0.512 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX009055.D

Acq: 18 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

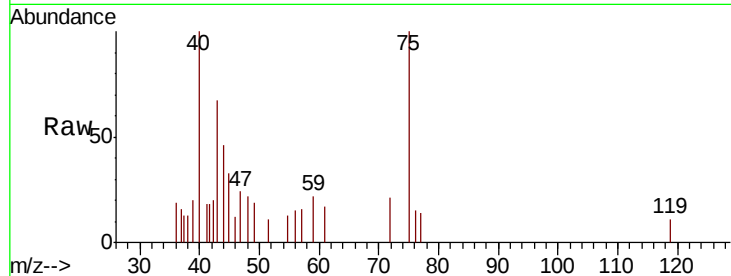
GMW-11

Tot Ion: 43 Resp: 1392

Ion Ratio Lower Upper

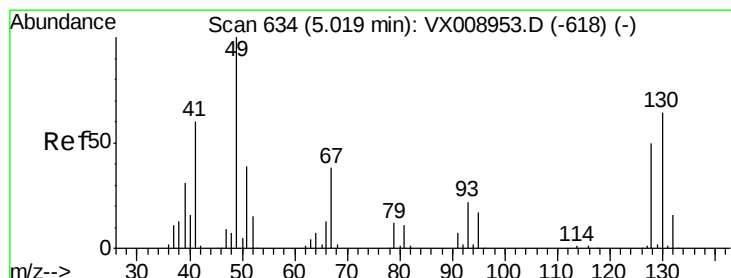
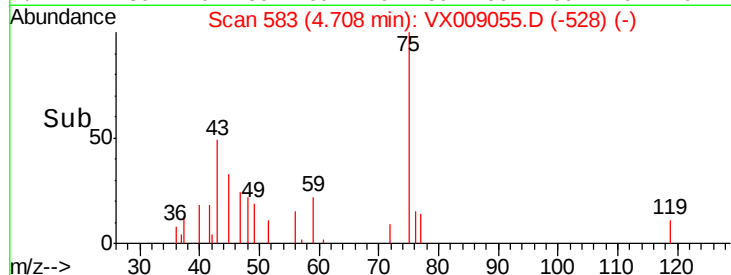
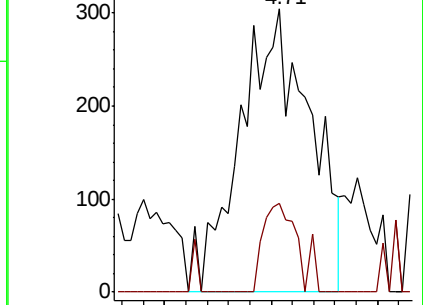
43 100

72 31.6 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.03 min

Lab File: VX009055.D

Acq: 18 Apr 2019 19:39

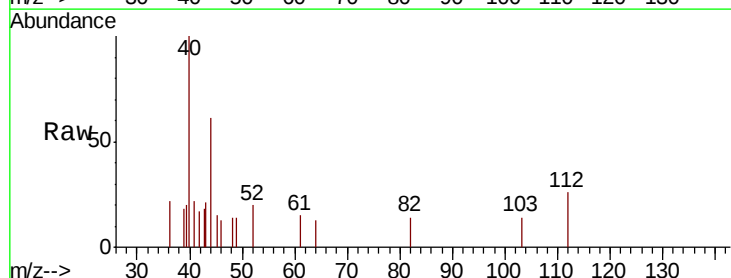
Tgt Ion: 49 Resp: 40

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

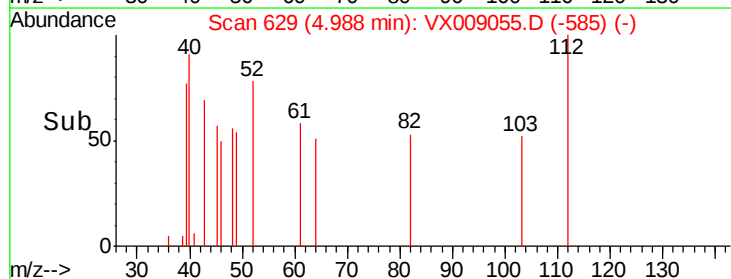
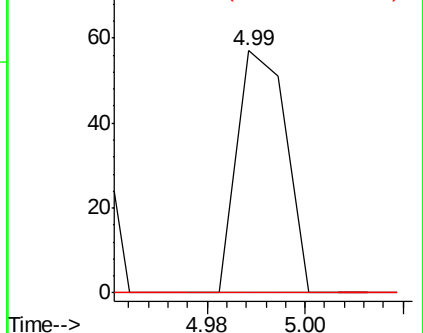
130 0.0 50.4 75.6#

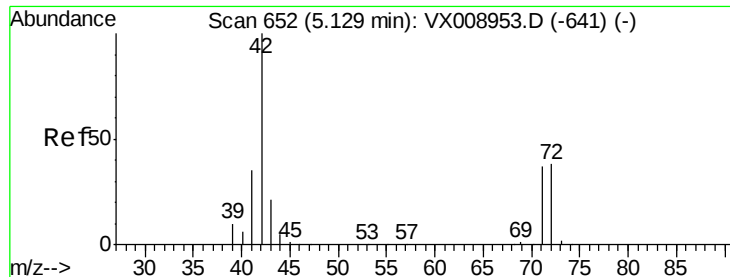


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

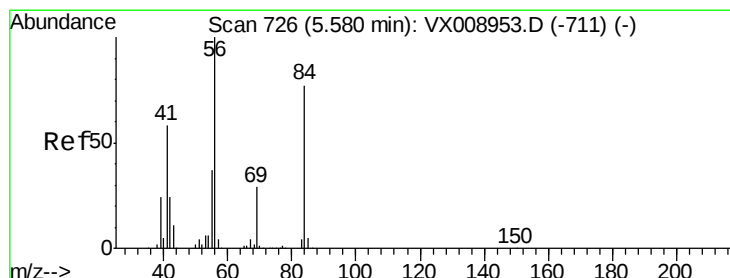
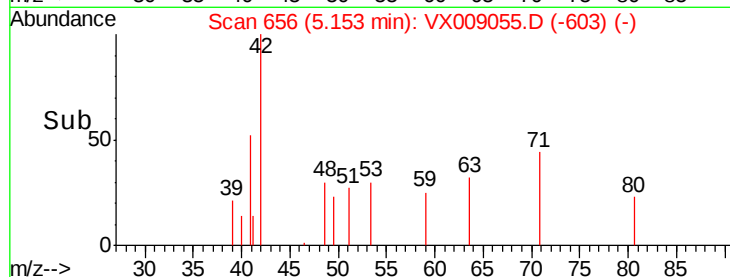
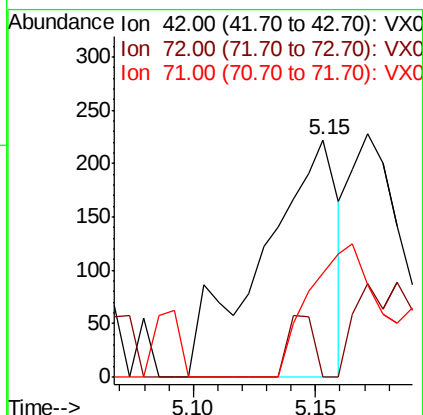
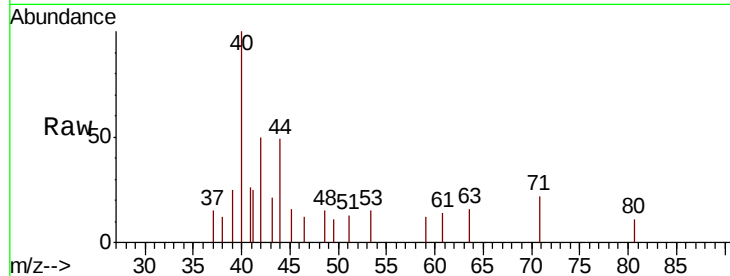




#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

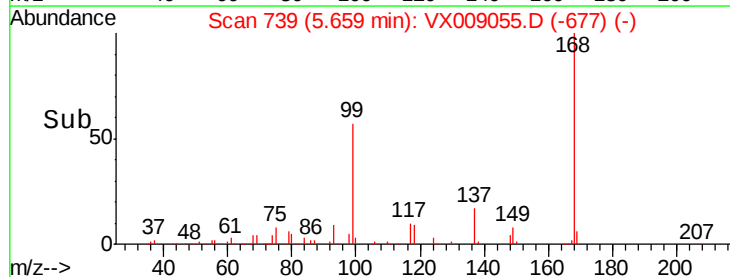
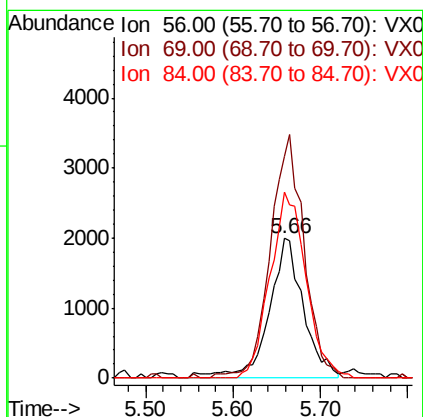
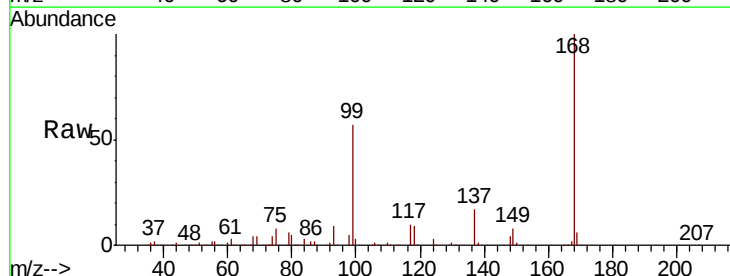
Instrument :
MSVOA_X
ClientSampleId :
GMW-11

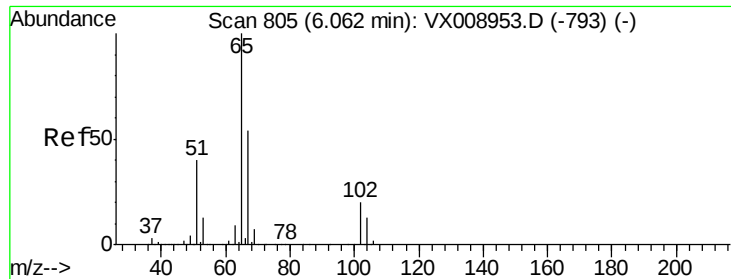
Tot Ion: 42 Resp: 475
Ion Ratio Lower Upper
42 100
72 8.8 30.6 45.8#
71 0.0 28.8 43.2#



#31
Cyclohexane
Concen: 1.052 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

Tgt Ion: 56 Resp: 5492
Ion Ratio Lower Upper
56 100
69 159.3 23.3 34.9#
84 133.6 61.7 92.5#

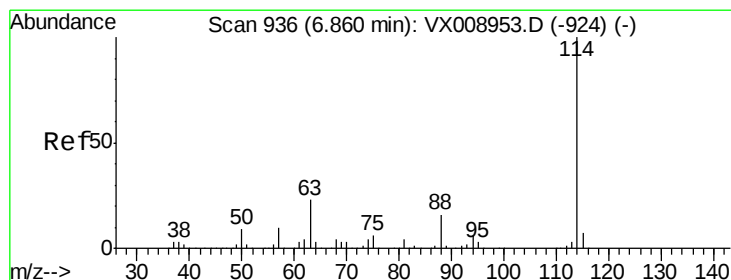
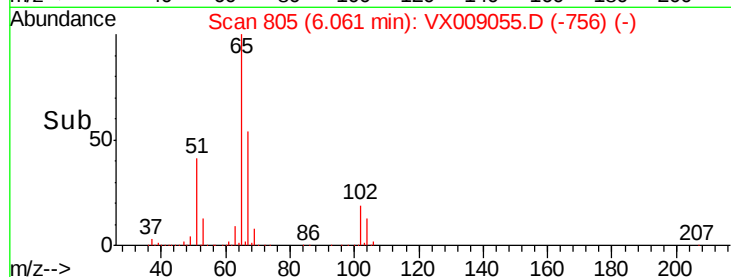
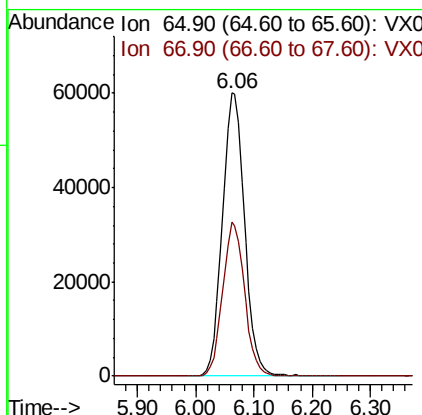
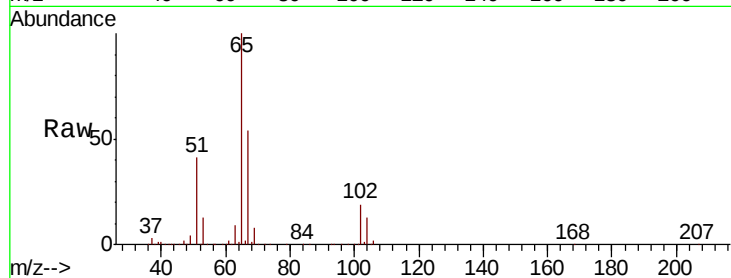




#33
 1,2-Dichloroethane-d4
 Concen: 48.615 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009055.D
 Acq: 18 Apr 2019 19:39

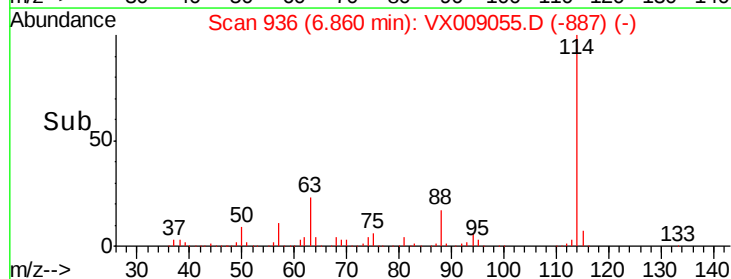
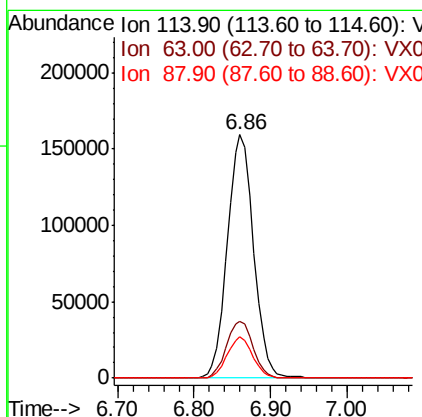
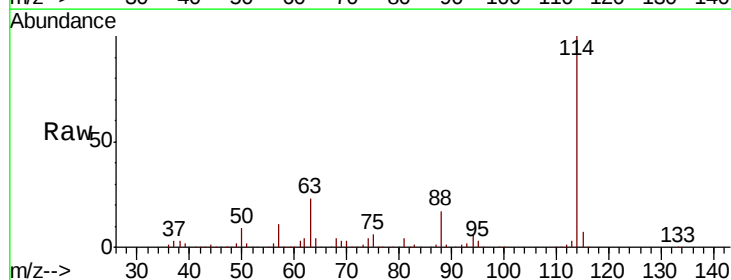
Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-11

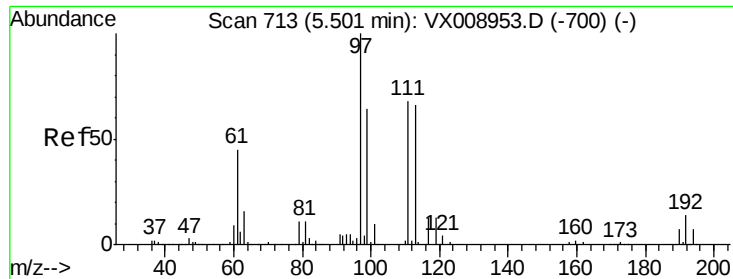
Tot Ion: 65 Resp: 159351
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009055.D
 Acq: 18 Apr 2019 19:39

Tgt Ion: 114 Resp: 378582
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.0
 88 17.3 0.0 32.6

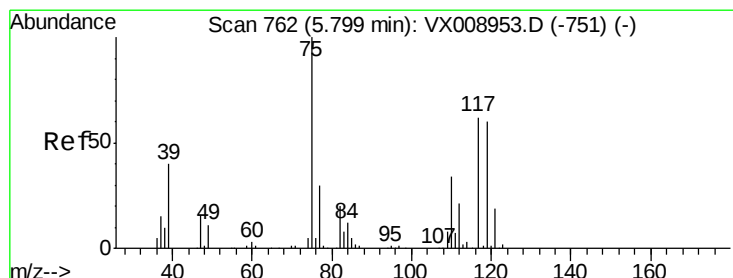
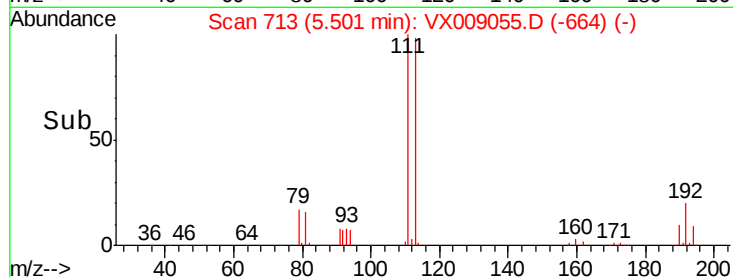
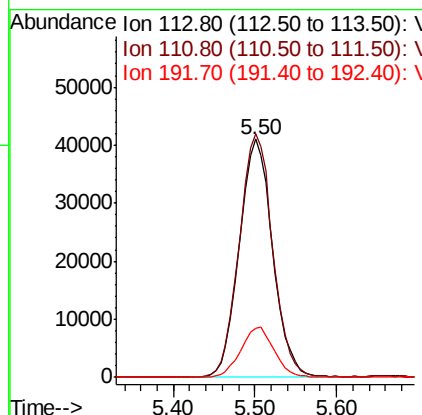
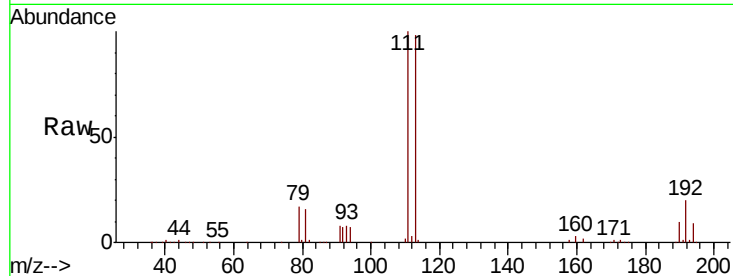




#35
 Dibromofluoromethane
 Concen: 47.907 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009055.D
 Acq: 18 Apr 2019 19:39

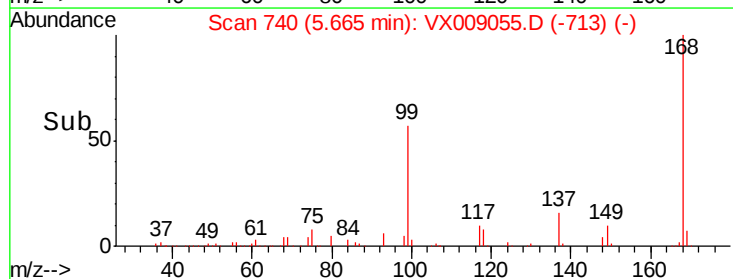
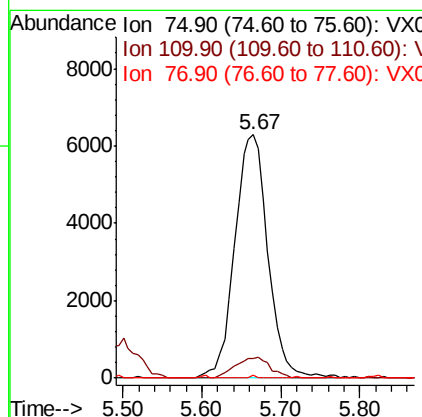
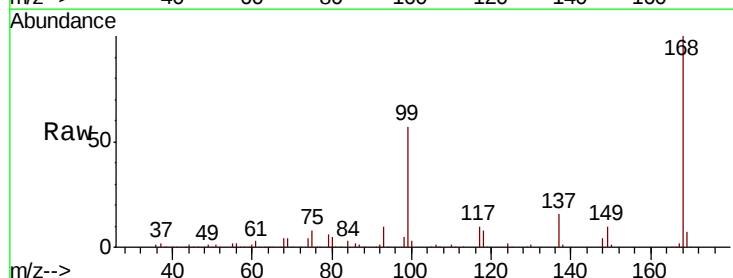
Instrument :
 MSVOA_X
 ClientSampled :
 GMW-11

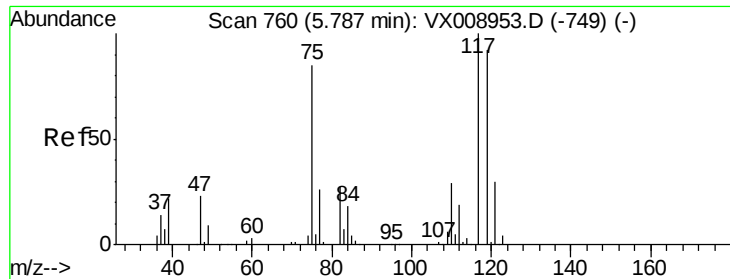
Tot Ion:113 Resp: 116396
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 21.1 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009055.D
 Acq: 18 Apr 2019 19:39

Tgt Ion: 75 Resp: 18334
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.7#
 77 0.2 25.0 37.4#

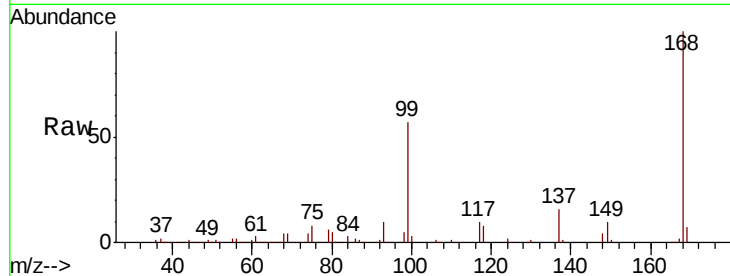




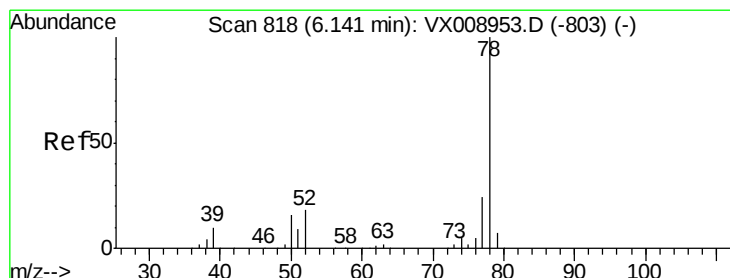
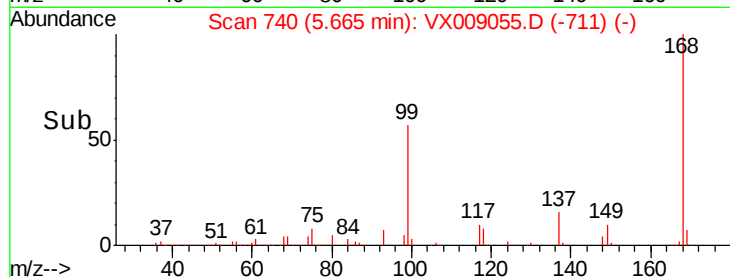
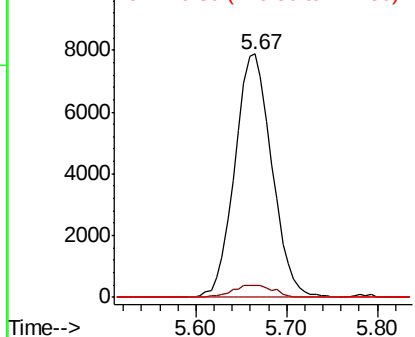
#38
Carbon Tetrachloride
Concen: 6.753 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

Instrument :
MSVOA_X
ClientSampled :
GMW-11

Tot Ion:117 Resp: 22416
Ion Ratio Lower Upper
117 100
119 4.7 73.8 110.8#
121 0.0 23.6 35.4#

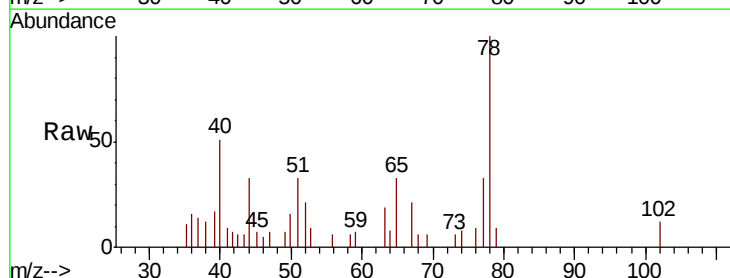


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

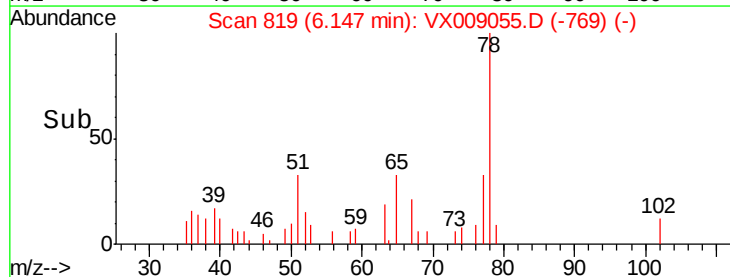
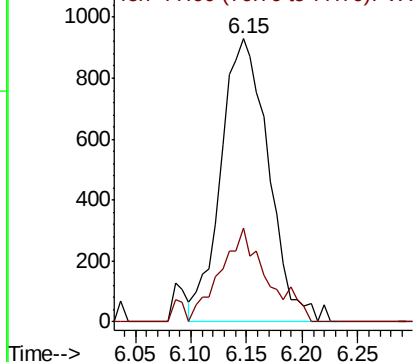


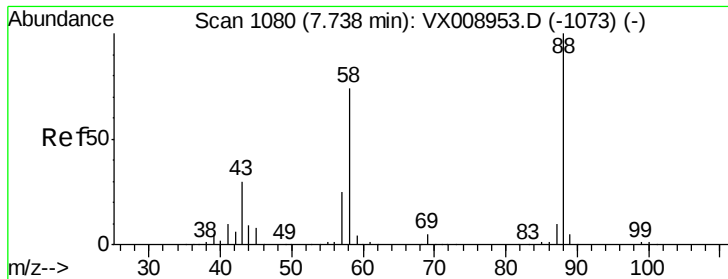
#40
Benzene
Concen: 0.239 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

Tgt Ion: 78 Resp: 2758
Ion Ratio Lower Upper
78 100
77 33.3 19.0 28.6#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

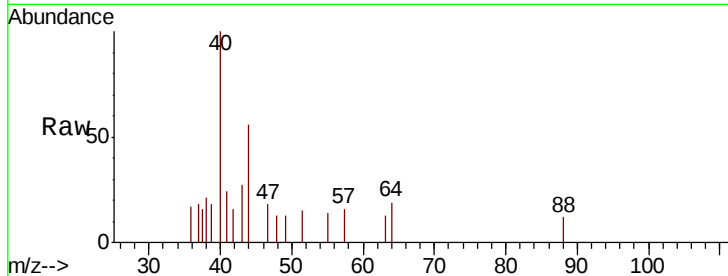




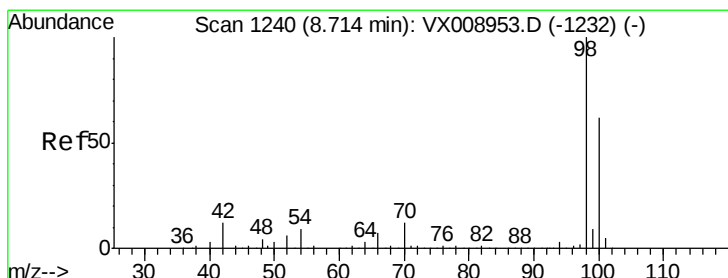
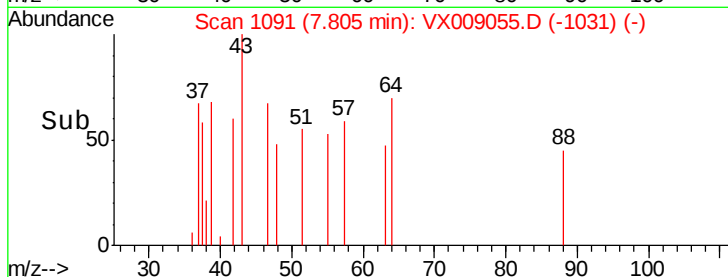
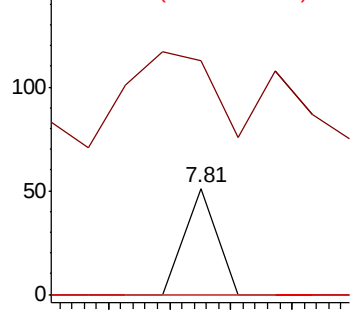
#49
1,4-Dioxane
Concen: 0.253 ug/l
RT: 7.81 min Scan# 1091
Delta R.T. 0.07 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

Instrument :
MSVOA_X
ClientSampled :
GMW-11

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 489.5 29.3 43.9#
58 0.0 62.6 93.8#

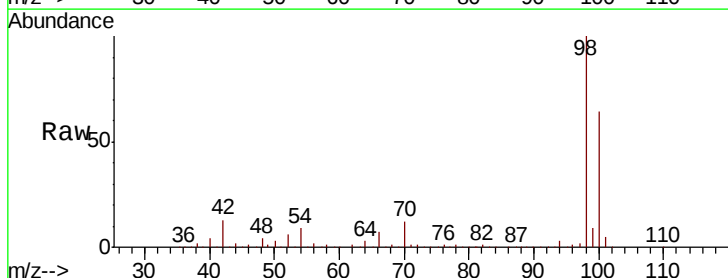


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

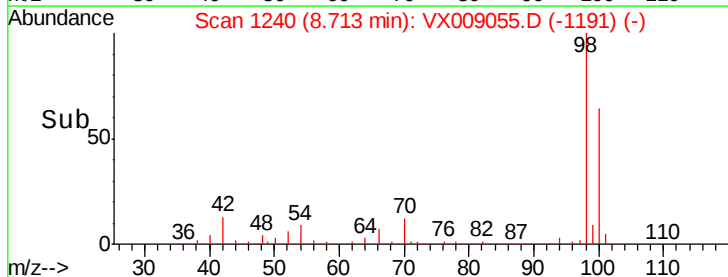
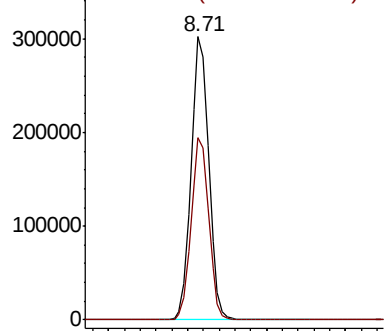


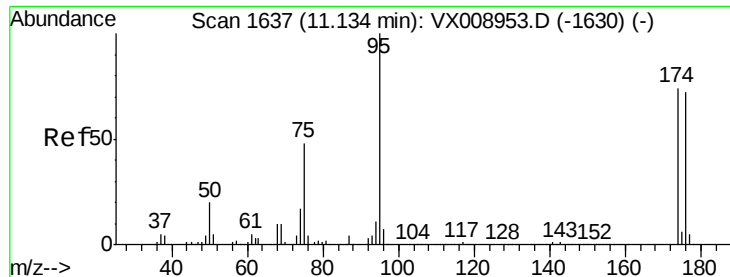
#50
Toluene-d8
Concen: 48.605 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

Tgt Ion: 98 Resp: 470964
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.813 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009055.D

Acq: 18 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

GMW-11

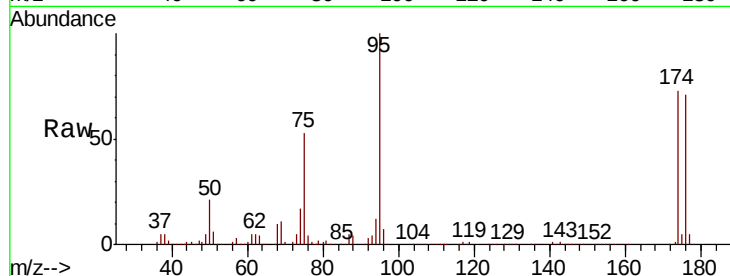
Tot Ion: 95 Resp: 153280

Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.6

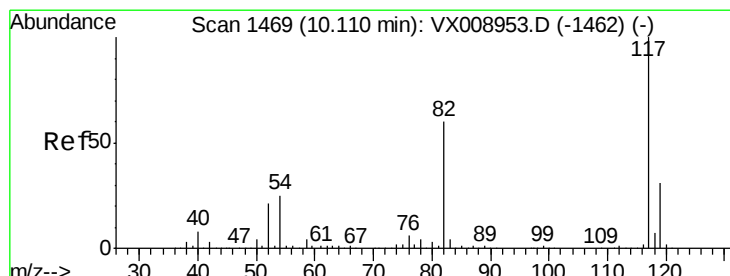
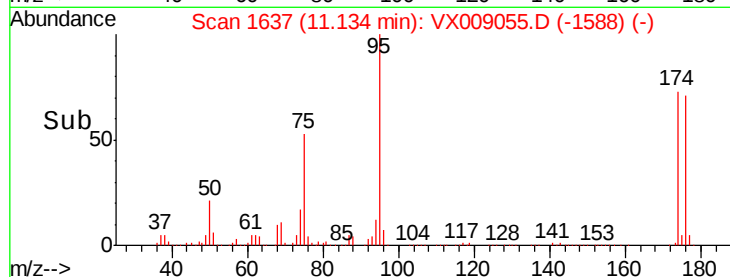
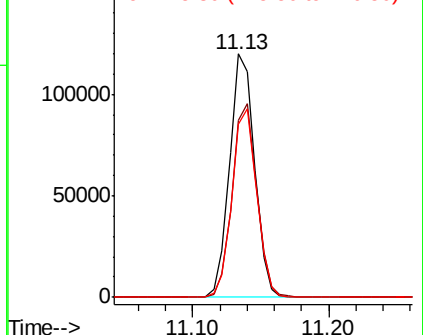
176 76.6 0.0 154.8



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: VX009055.D

Acq: 18 Apr 2019 19:39

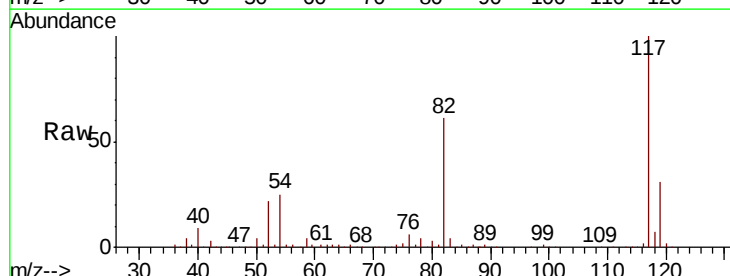
Tgt Ion: 117 Resp: 325301

Ion Ratio Lower Upper

117 100

82 61.5 48.2 72.4

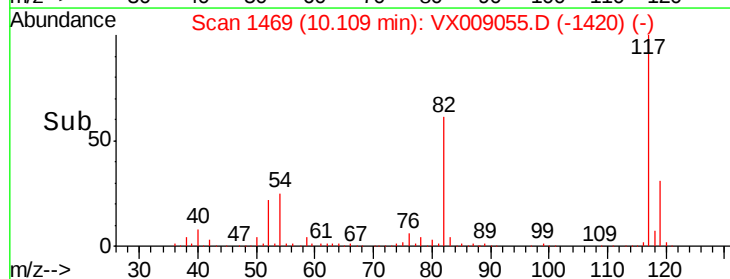
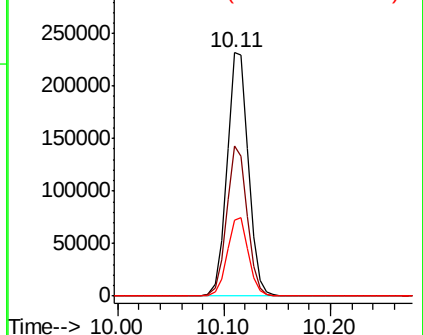
119 31.2 25.0 37.6

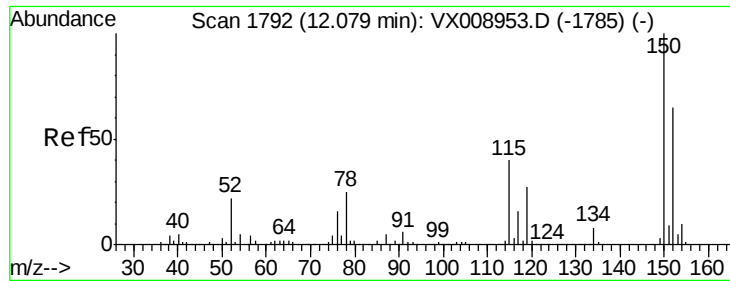


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX009055.D

Acq: 18 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

GMW-11

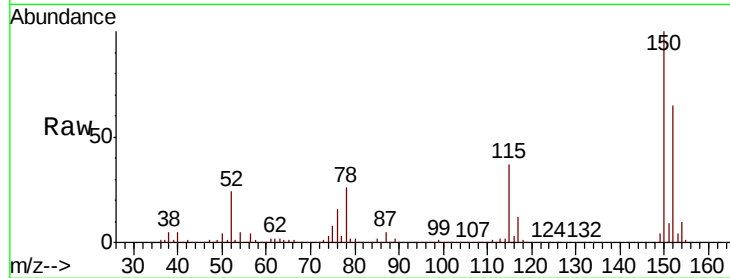
Tot Ion:152 Resp: 135281

Ion Ratio Lower Upper

152 100

115 59.5 41.4 124.2

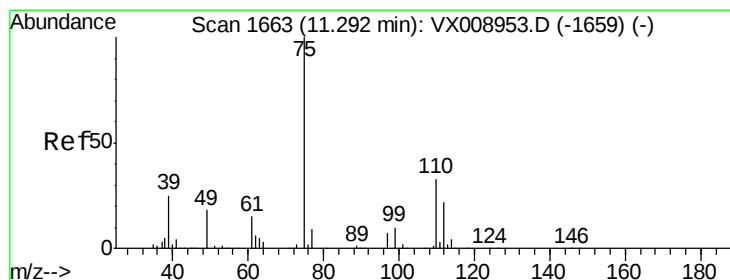
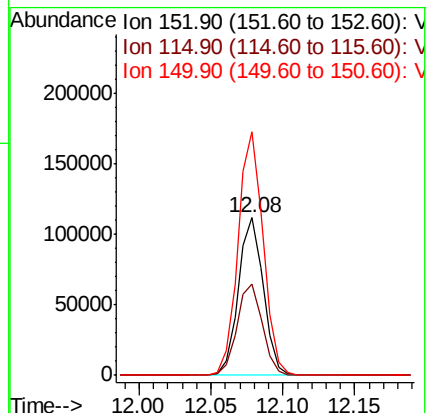
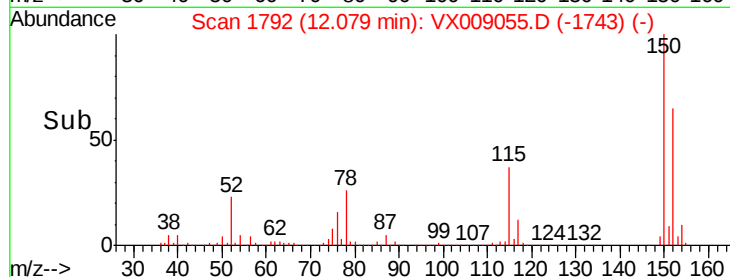
150 155.4 0.0 349.8



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: 23.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009055.D

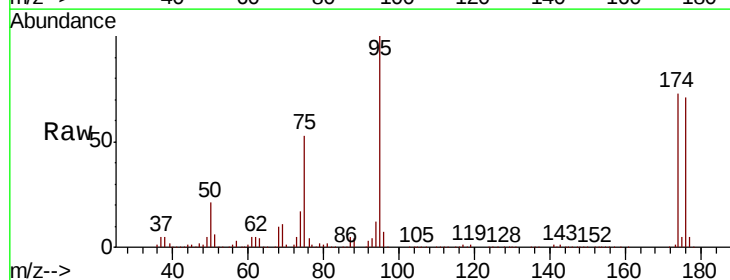
Acq: 18 Apr 2019 19:39

Tgt Ion: 75 Resp: 78466

Ion Ratio Lower Upper

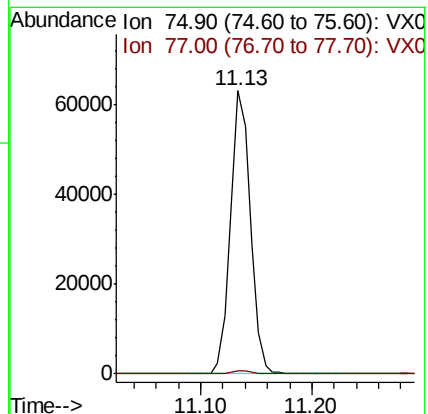
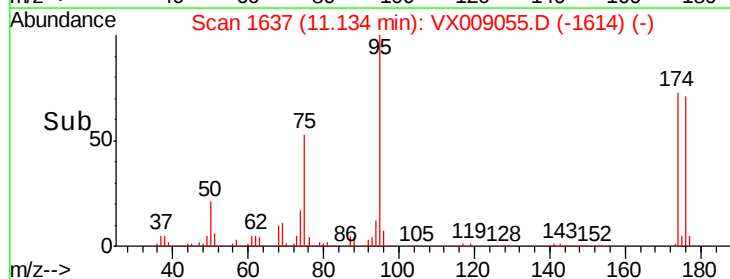
75 100

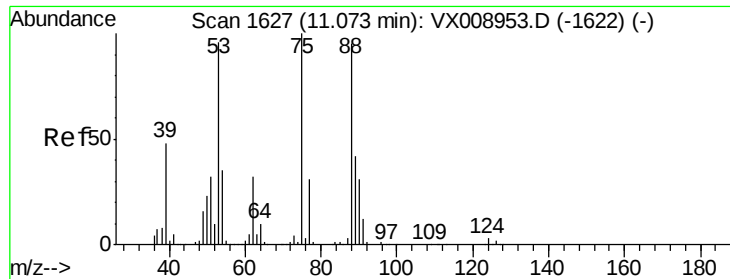
77 1.2 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

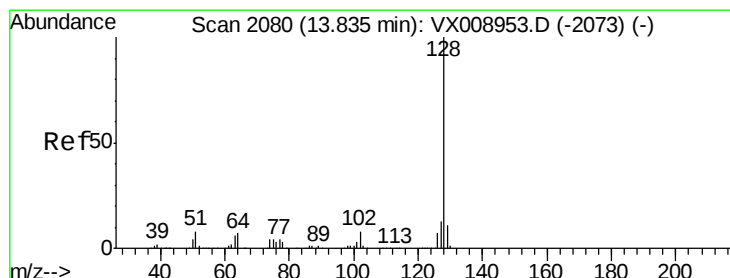
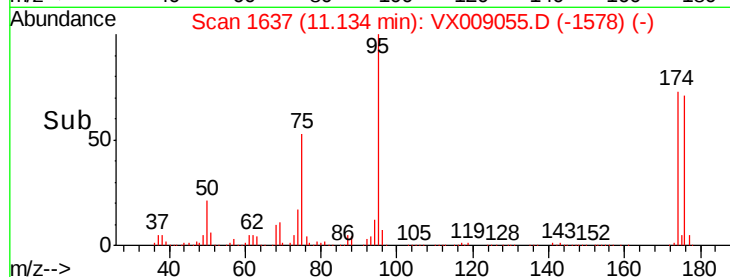
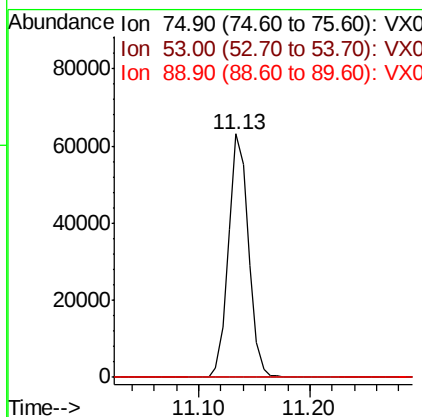
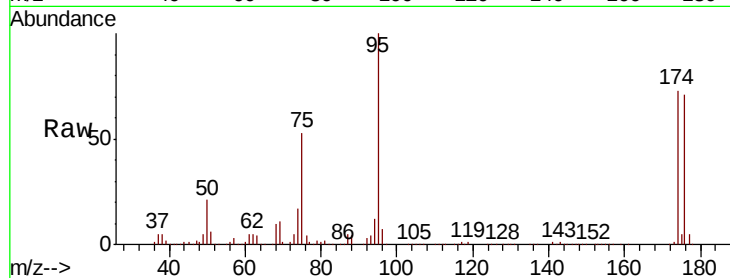




#81
trans-1,4-Dichloro-2-butene
Concen: 60.983 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
GMW-11

Tot Ion: 75 Resp: 78466
Ion Ratio Lower Upper
75 100
53 0.2 78.2 117.4#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 17.472 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009055.D
Acq: 18 Apr 2019 19:39

Tgt Ion: 128 Resp: 180681
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.6 13.0

