

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009776.D
 Acq On : 22 May 2019 03:27
 Operator : JC/SP
 Sample : K2953-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13B_R2

Quant Time: May 22 07:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	175092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	281558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108050	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	120064	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.50	113	86147	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.71	98	356332	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	118176	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	

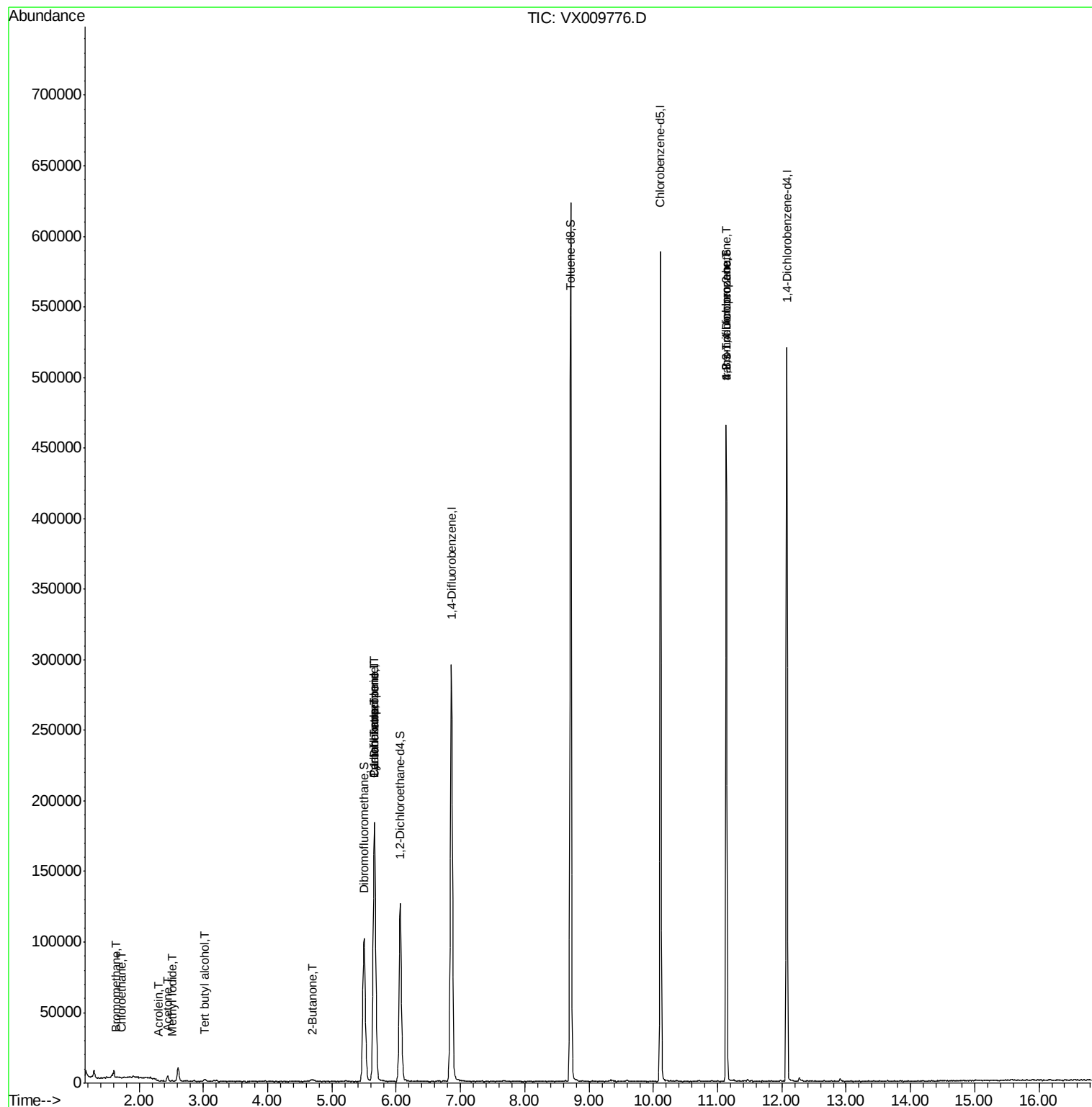
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	339	0.263	ug/l	89
6) Chloroethane	1.74	64	369	0.268	ug/l	99
10) Methyl Iodide	2.51	142	254	4.715	ug/l #	88
11) Tert butyl alcohol	3.02	59	1069	1.932	ug/l #	84
13) Acrolein	2.30	56	232	0.463	ug/l #	61
16) Acetone	2.45	43	4071	3.172	ug/l	95
25) 2-Butanone	4.69	43	468	0.235	ug/l #	76
28) Bromochloromethane	4.98	49	63	Below Cal	#	20
31) Cyclohexane	5.66	56	4292	1.215	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14014	5.356	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16606	6.985	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	60785	24.252	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60785	62.053	ug/l #	10

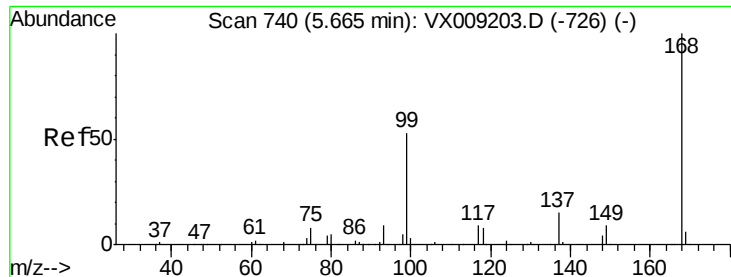
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 07:13:10 2019
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

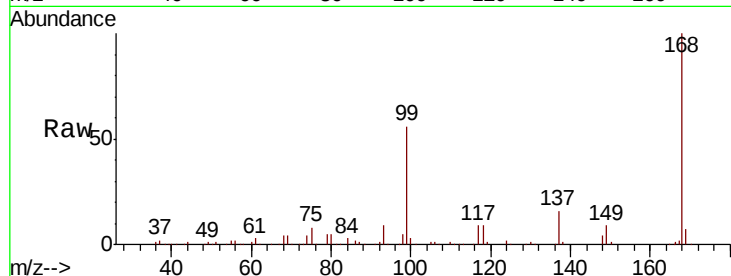
MW-13B_R2

Tot Ion:168 Resp: 175092

Ion Ratio Lower Upper

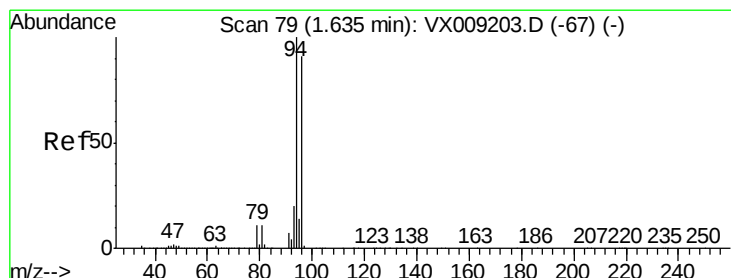
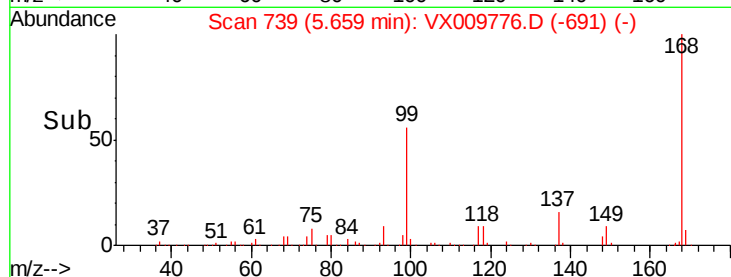
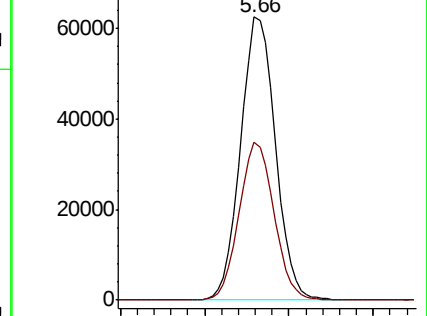
168 100

99 55.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.263 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009776.D

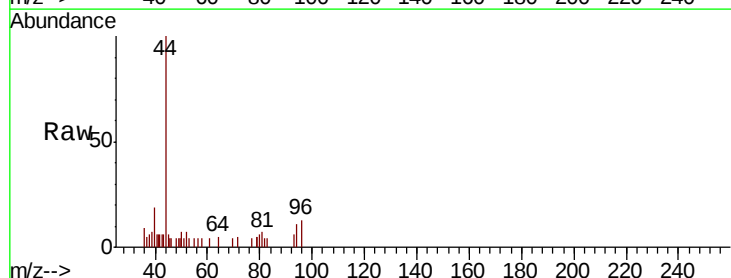
Acq: 22 May 2019 03:27

Tgt Ion: 94 Resp: 339

Ion Ratio Lower Upper

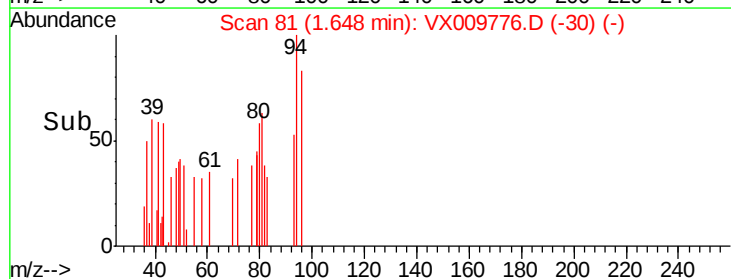
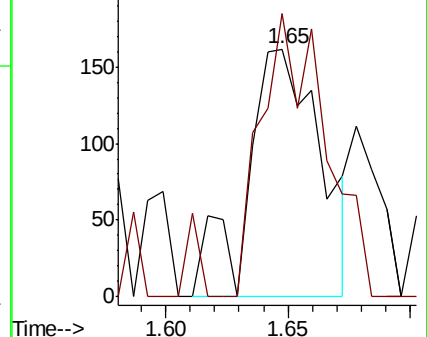
94 100

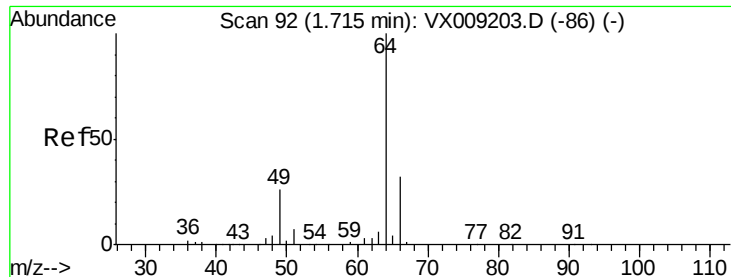
96 80.9 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.268 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampled :

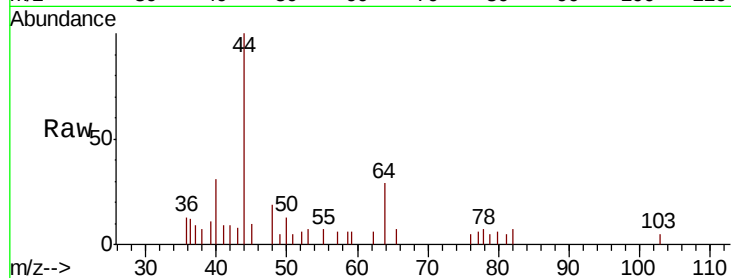
MW-13B_R2

Tot Ion: 64 Resp: 369

Ion Ratio Lower Upper

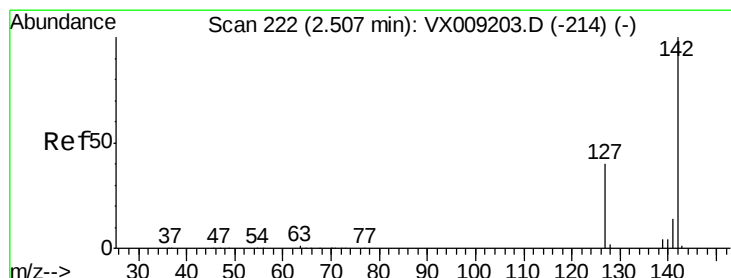
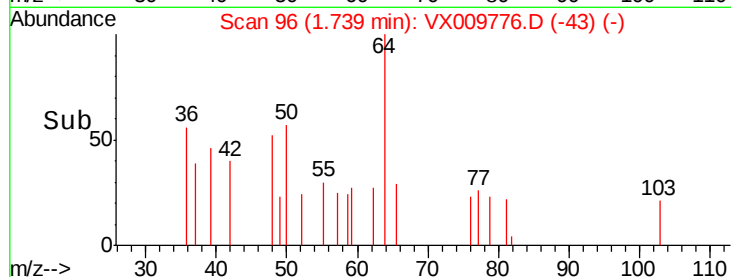
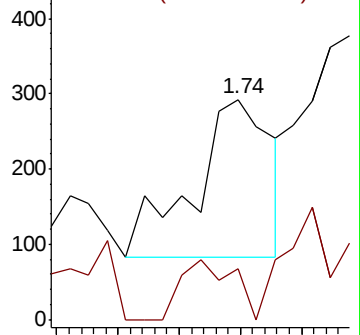
64 100

66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.715 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

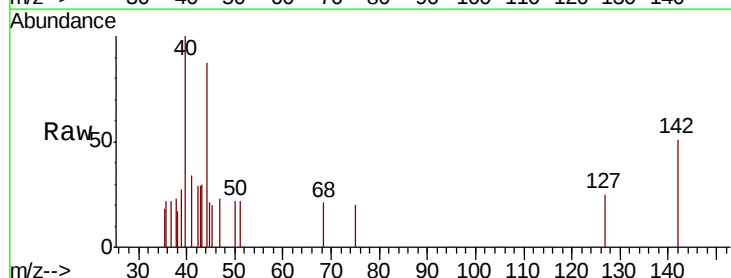
Tgt Ion: 142 Resp: 254

Ion Ratio Lower Upper

142 100

127 38.6 32.7 49.1

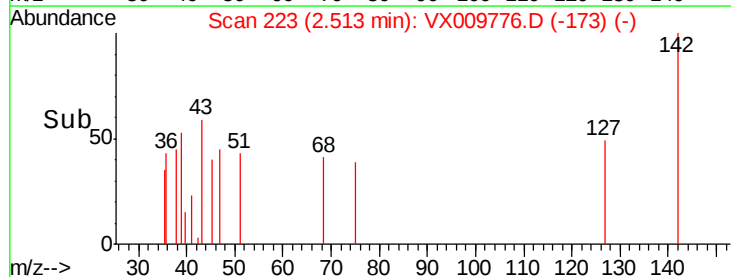
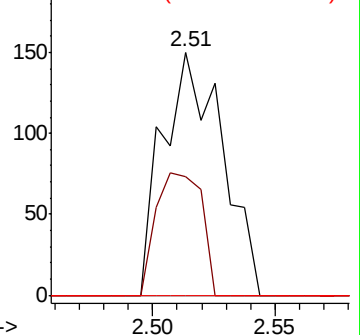
141 0.0 11.5 17.3#

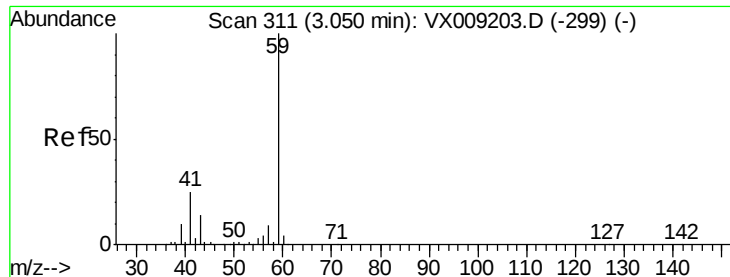


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

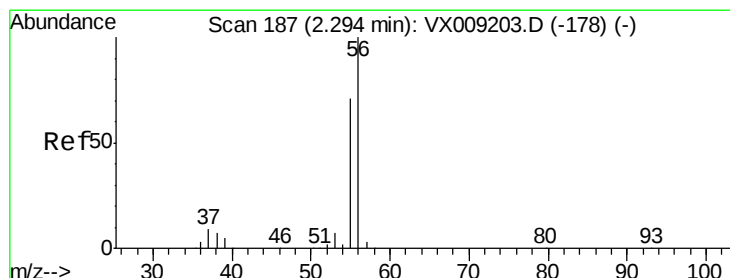
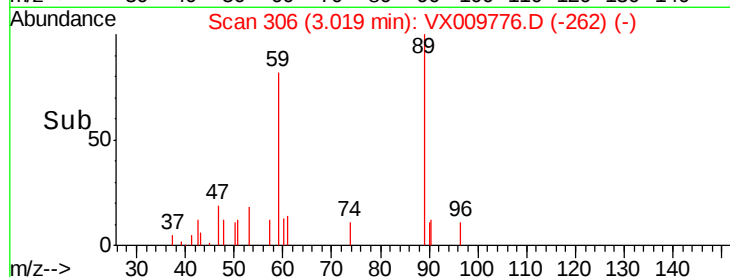
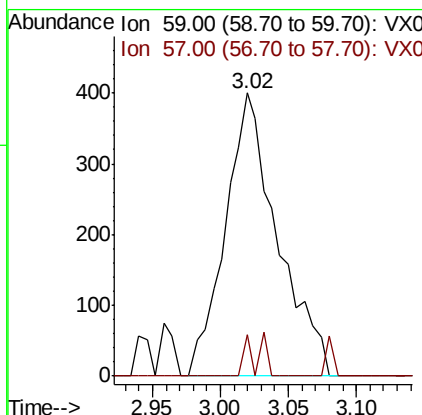
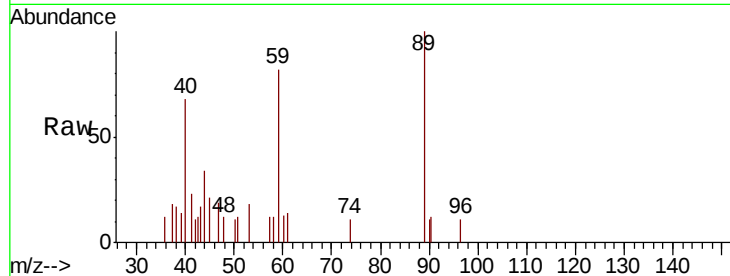




#11
Tert butyl alcohol
Concen: 1.932 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009776.D
Acq: 22 May 2019 03:27

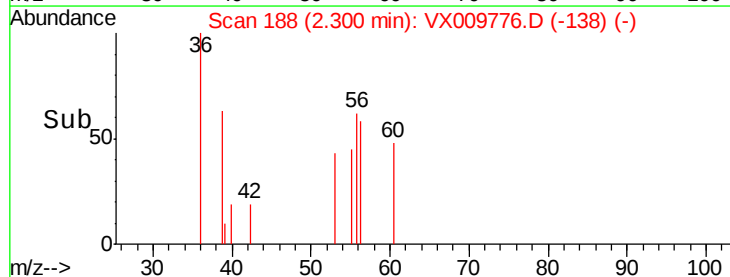
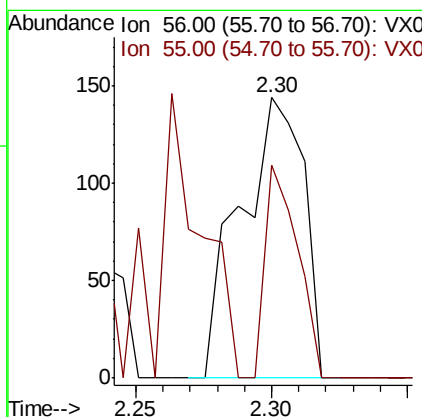
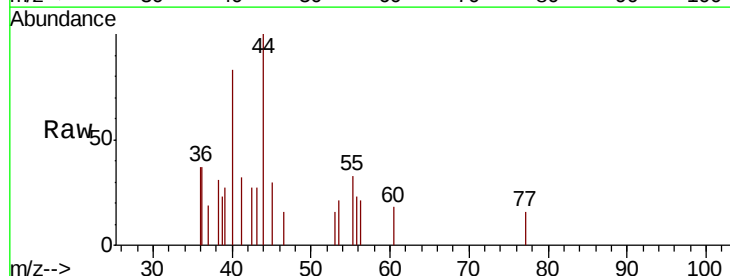
Instrument :
MSVOA_X
ClientSampleId :
MW-13B_R2

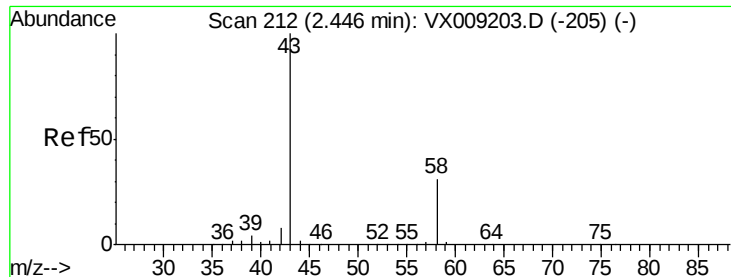
Tot Ion: 59 Resp: 1069
Ion Ratio Lower Upper
59 100
57 4.2 8.2 12.2#



#13
Acrolein
Concen: 0.463 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009776.D
Acq: 22 May 2019 03:27

Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 38.8 56.6 85.0#





#16

Acetone

Concen: 3.172 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampled :

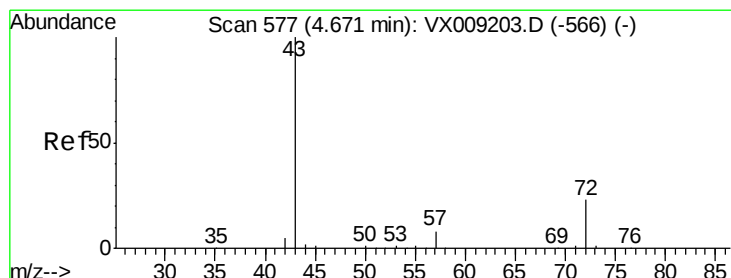
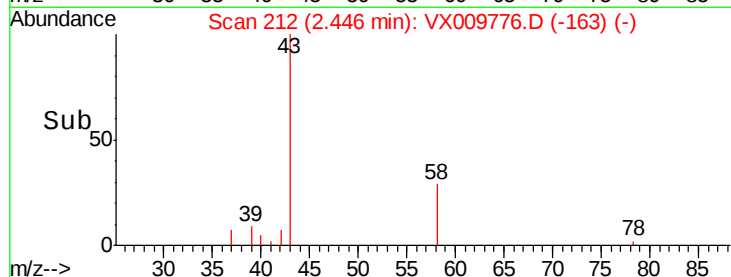
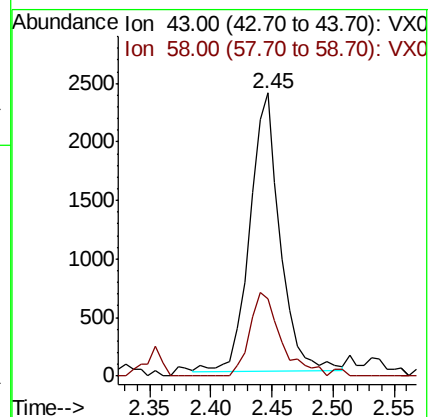
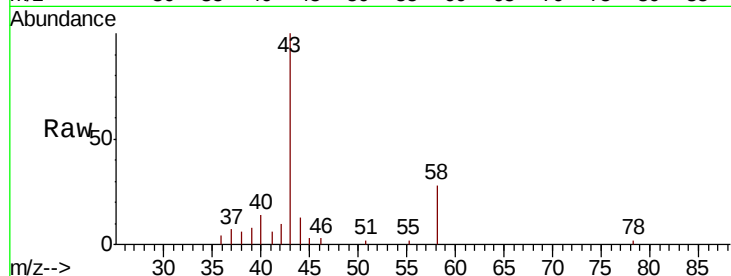
MW-13B_R2

Tot Ion: 43 Resp: 4071

Ion Ratio Lower Upper

43 100

58 28.1 24.9 37.3



#25

2-Butanone

Concen: 0.235 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009776.D

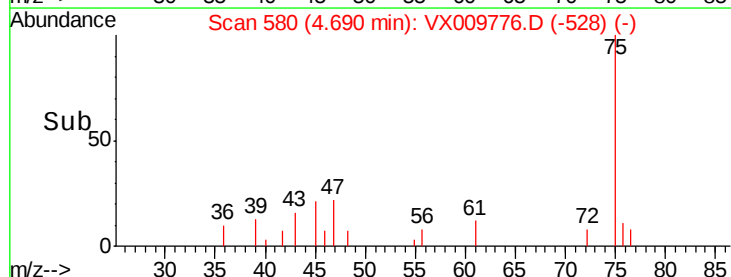
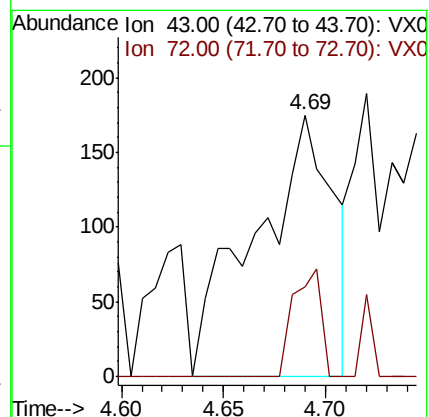
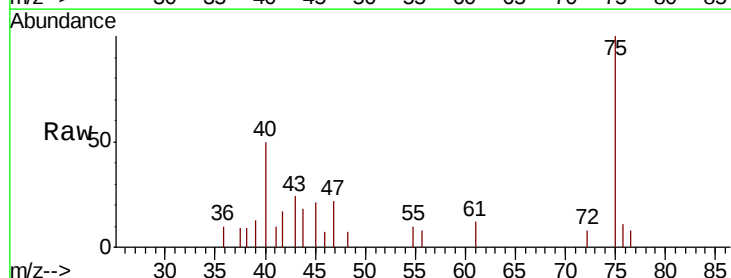
Acq: 22 May 2019 03:27

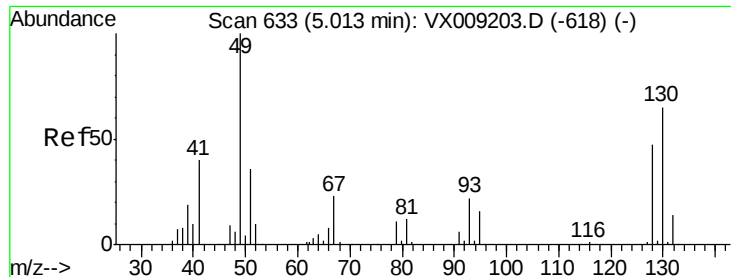
Tgt Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

72 34.3 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.98 min Scan# 628

Delta R.T. -0.03 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

MW-13B_R2

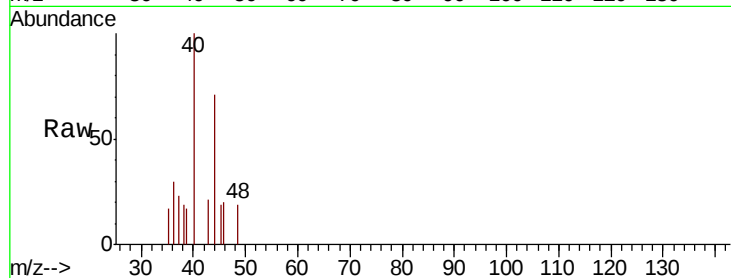
Tot Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

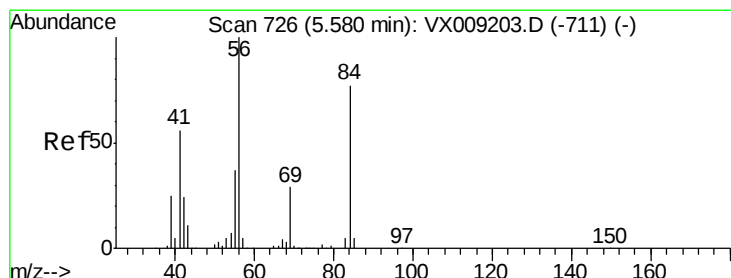
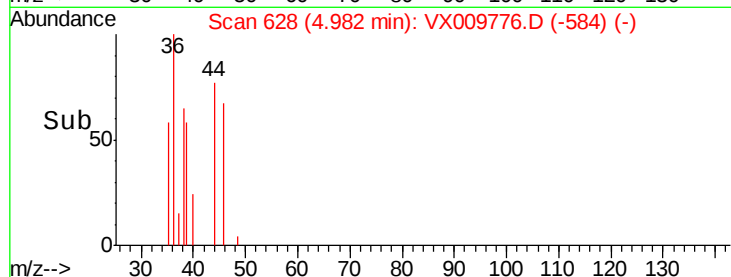
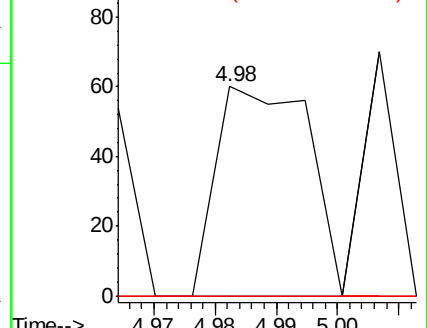
130 0.0 51.2 76.8#



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



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

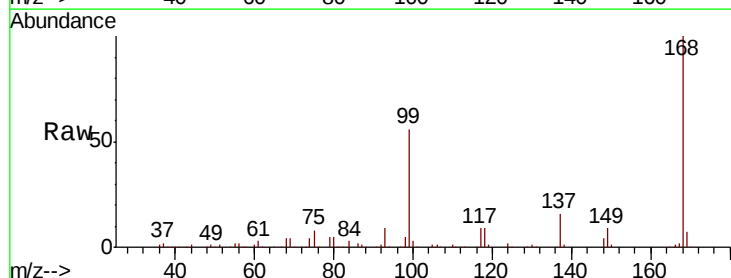
Tgt Ion: 56 Resp: 4292

Ion Ratio Lower Upper

56 100

69 172.8 23.4 35.0#

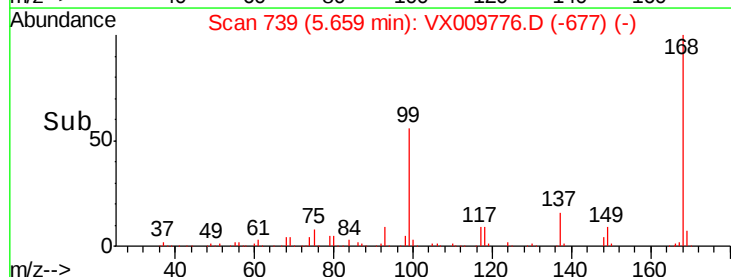
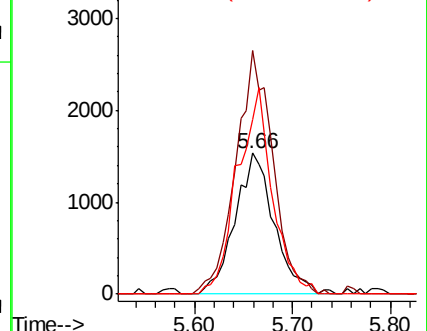
84 123.8 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.231 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampled :

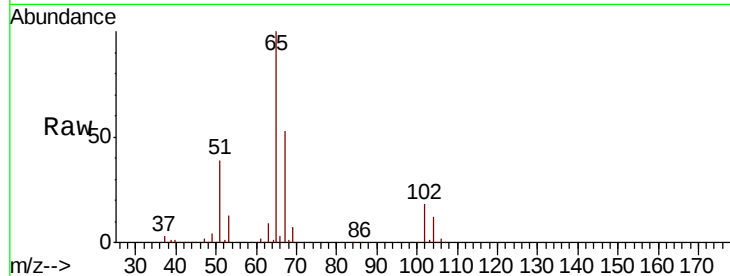
MW-13B_R2

Tot Ion: 65 Resp: 120064

Ion Ratio Lower Upper

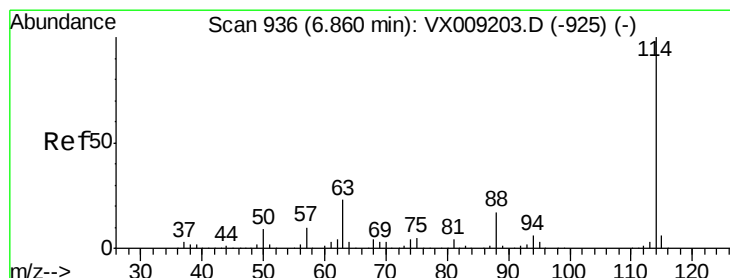
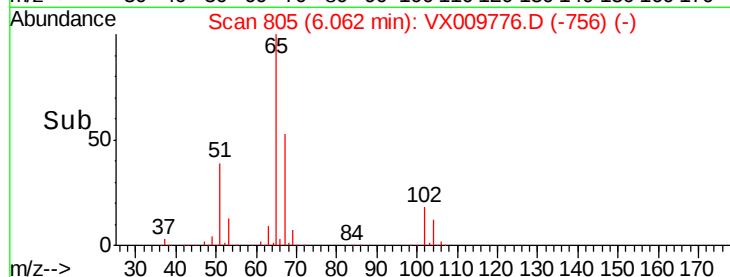
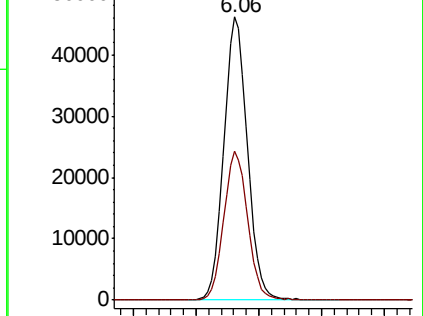
65 100

67 52.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

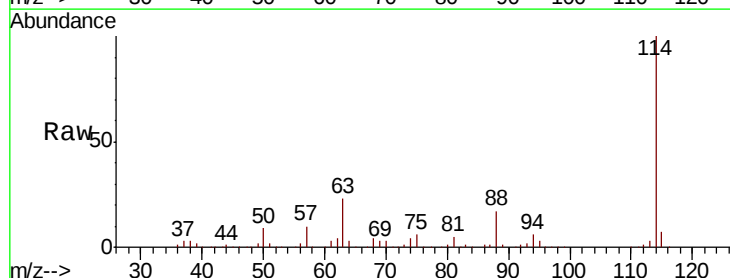
Tgt Ion: 114 Resp: 281558

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

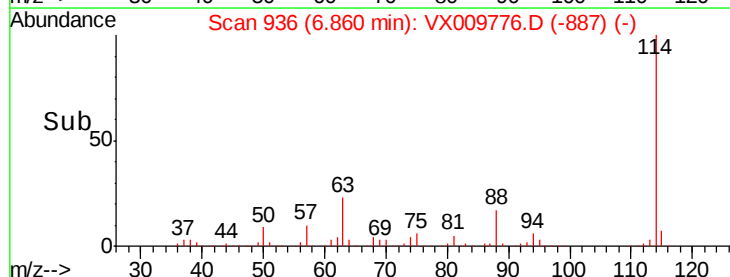
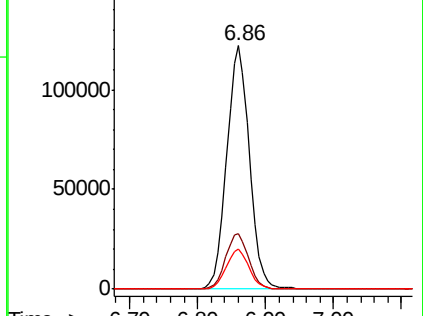
88 16.7 0.0 33.2

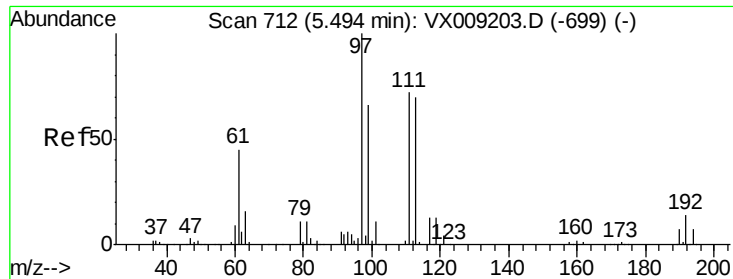


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.671 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

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MW-13B_R2

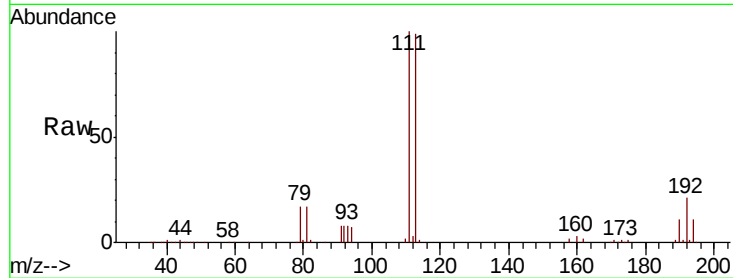
Tot Ion:113 Resp: 86147

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

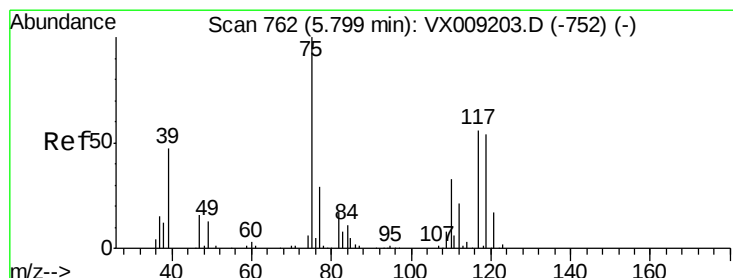
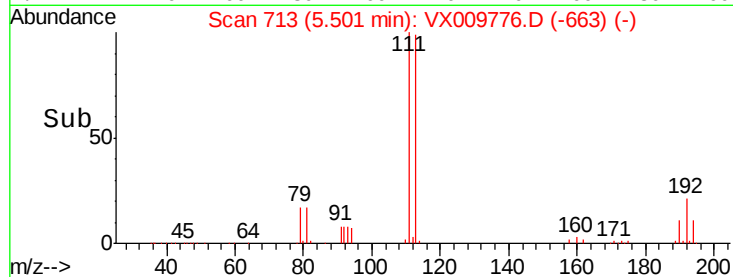
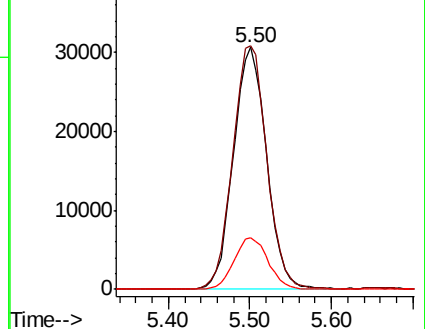
192 22.1 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.356 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

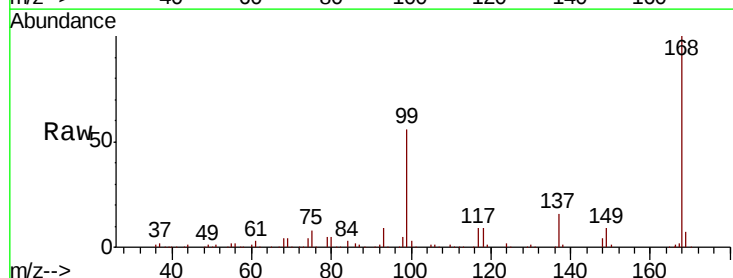
Tgt Ion: 75 Resp: 14014

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

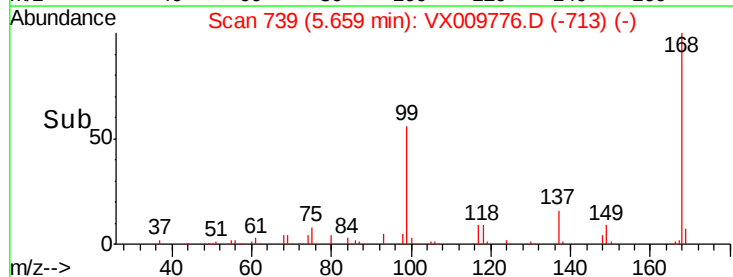
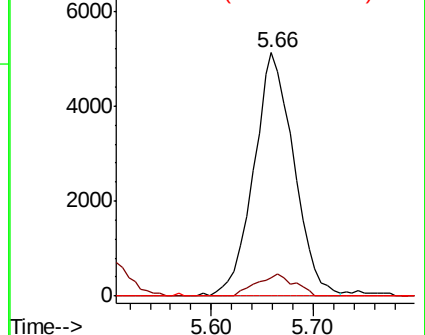
77 0.0 24.8 37.2#

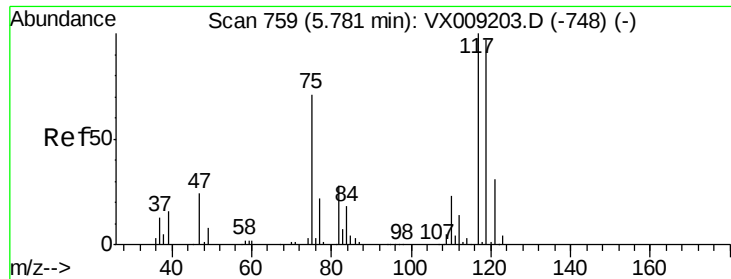


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

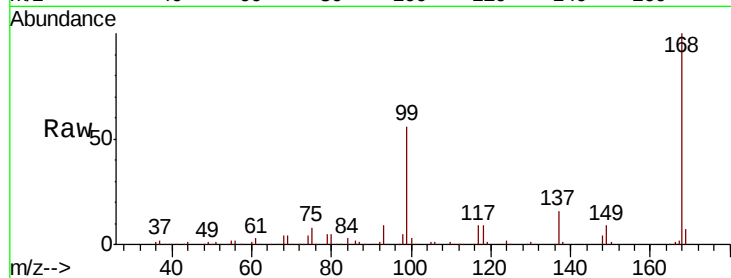




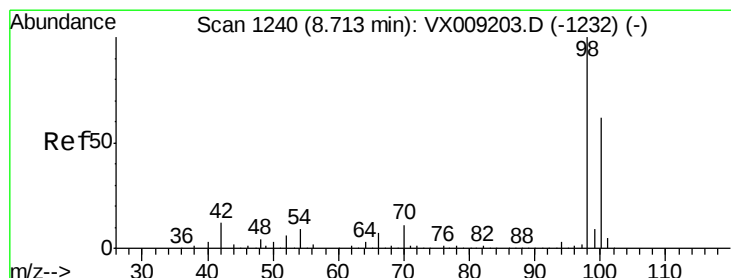
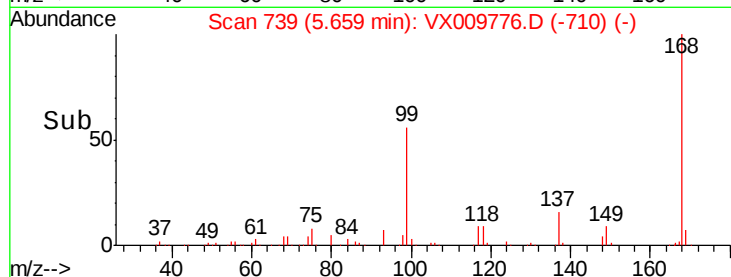
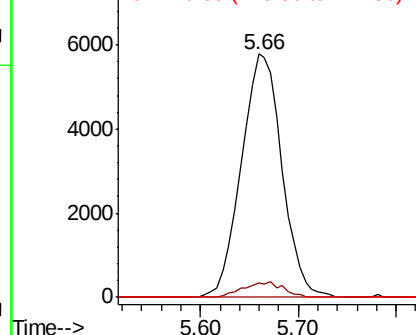
#38
Carbon Tetrachloride
Concen: 6.985 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009776.D
Acq: 22 May 2019 03:27

Instrument :
MSVOA_X
ClientSampleId :
MW-13B_R2

Tot Ion:117 Resp: 16606
Ion Ratio Lower Upper
117 100
119 5.9 77.5 116.3#
121 0.0 24.7 37.1#

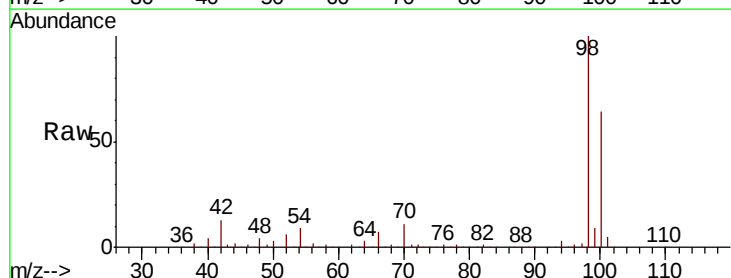


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

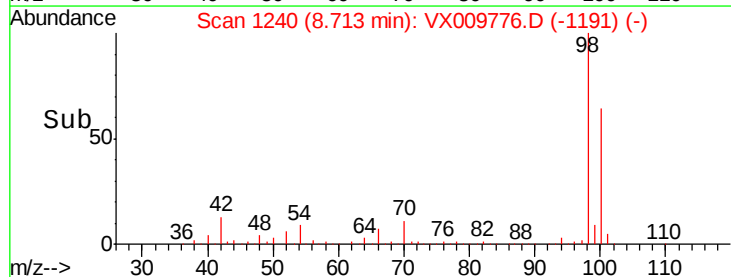
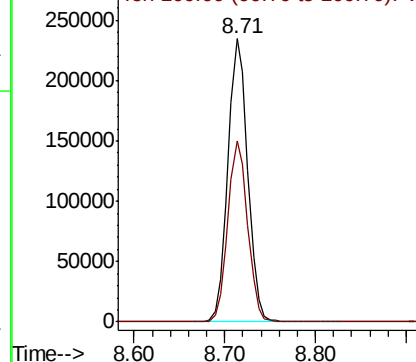


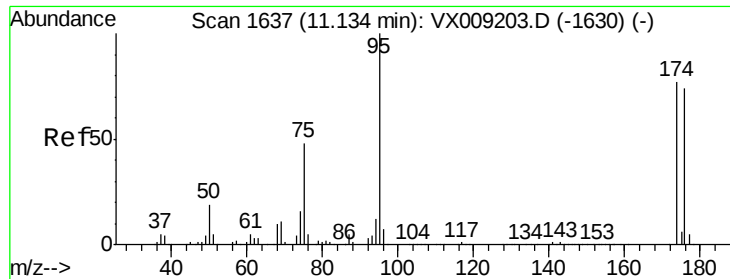
#50
Toluene-d8
Concen: 49.865 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009776.D
Acq: 22 May 2019 03:27

Tgt Ion: 98 Resp: 356332
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 45.513 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

MW-13B_R2

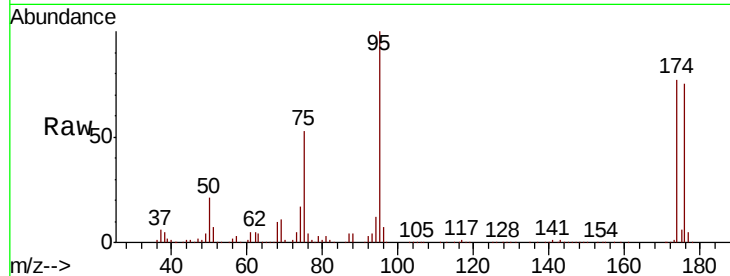
Tot Ion: 95 Resp: 118176

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

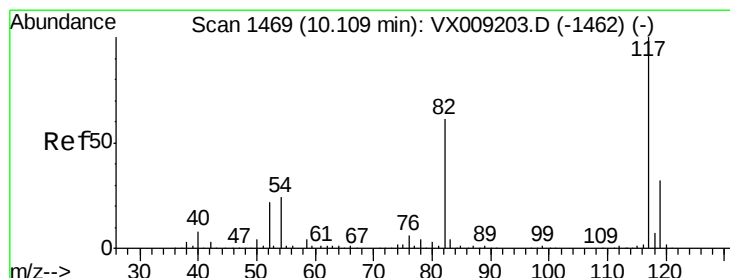
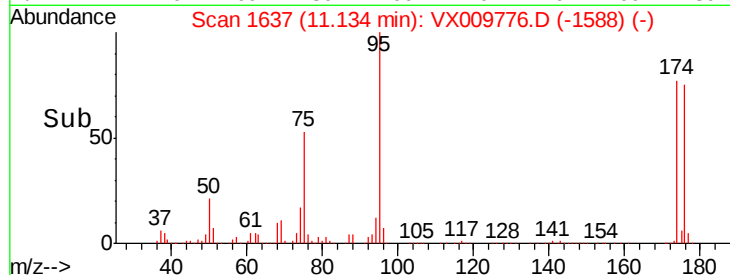
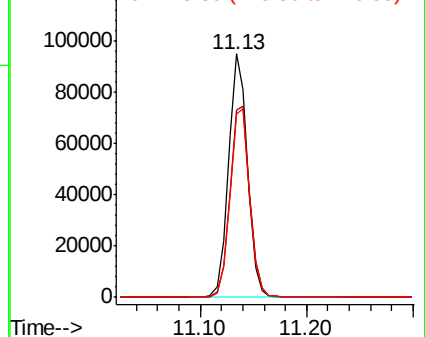
176 80.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009776.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009776.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009776.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

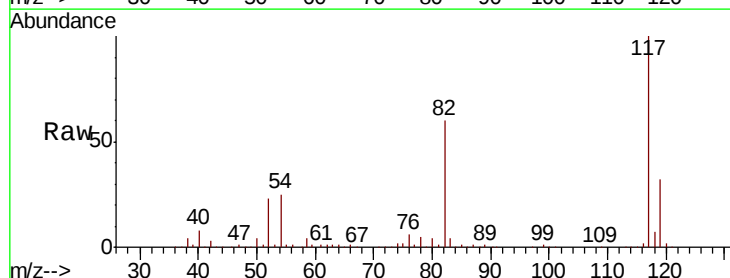
Tgt Ion: 117 Resp: 249163

Ion Ratio Lower Upper

117 100

82 59.9 48.8 73.2

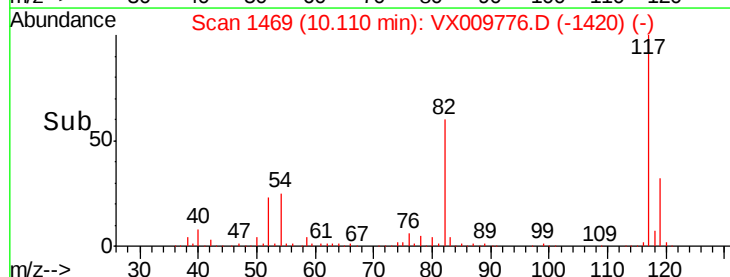
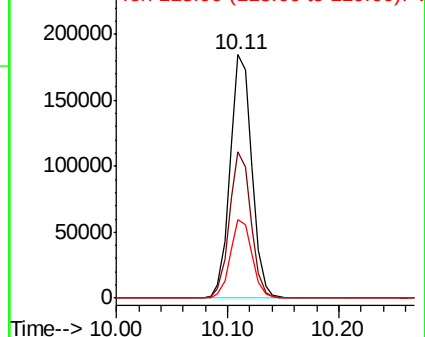
119 32.1 25.8 38.6

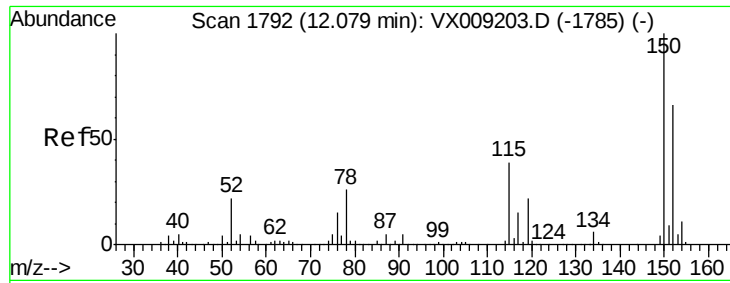


Abundance Ion 116.90 (116.60 to 117.60): VX009776.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009776.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009776.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

MW-13B_R2

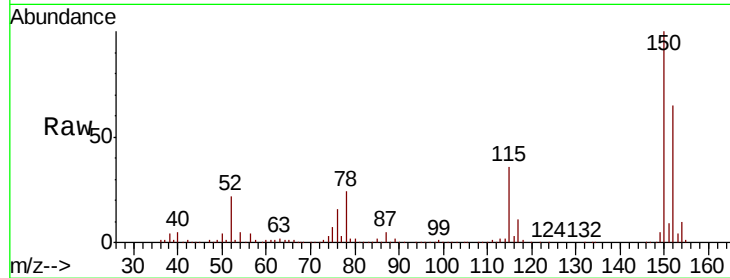
Tot Ion:152 Resp: 108050

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

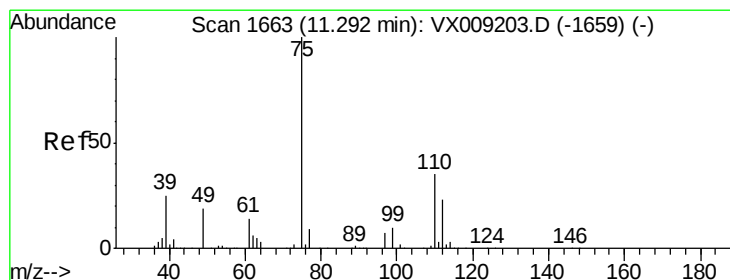
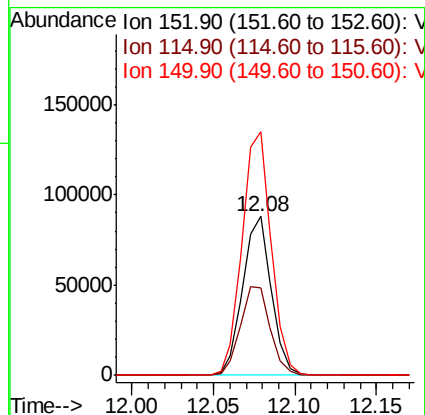
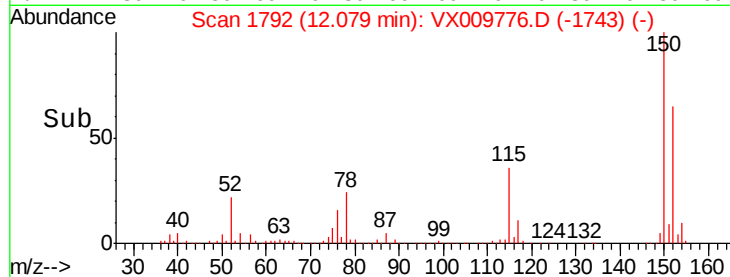
150 156.1 0.0 346.4



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: 24.252 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009776.D

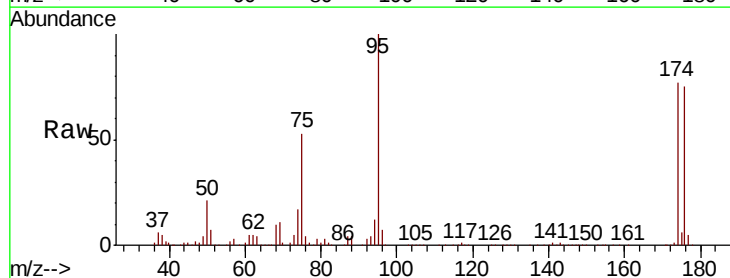
Acq: 22 May 2019 03:27

Tgt Ion: 75 Resp: 60785

Ion Ratio Lower Upper

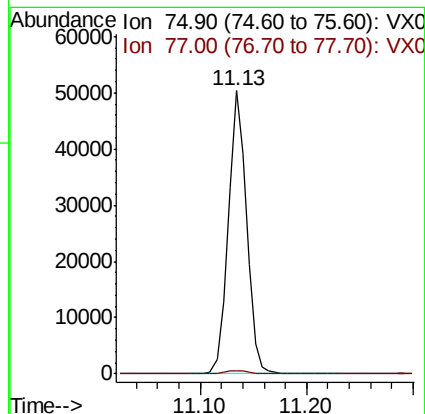
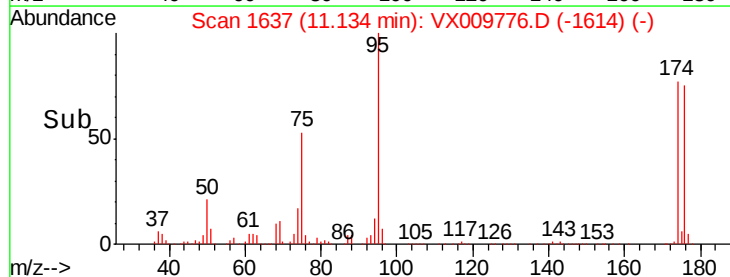
75 100

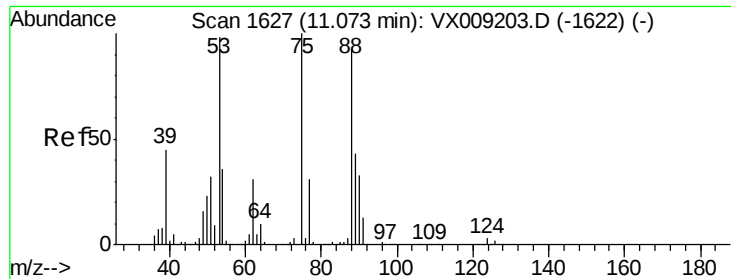
77 1.5 22.1 66.1#



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: 62.053 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009776.D

Acq: 22 May 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

MW-13B_R2

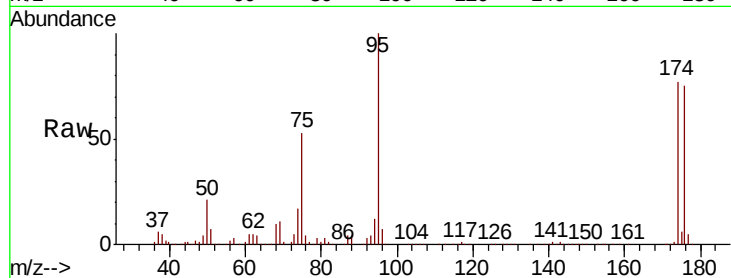
Tot Ion: 75 Resp: 60785

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.1 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

