

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009775.D
 Acq On : 22 May 2019 03:04
 Operator : JC/SP
 Sample : K2953-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13A_R2

Quant Time: May 22 07:12:48 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	5.67	168	171462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275733	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96672	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	116836	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	5.50	113	84605	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	343677	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.13	95	111820	43.97	ug/l	0.00
Spiked Amount			Recovery	=	87.94%	

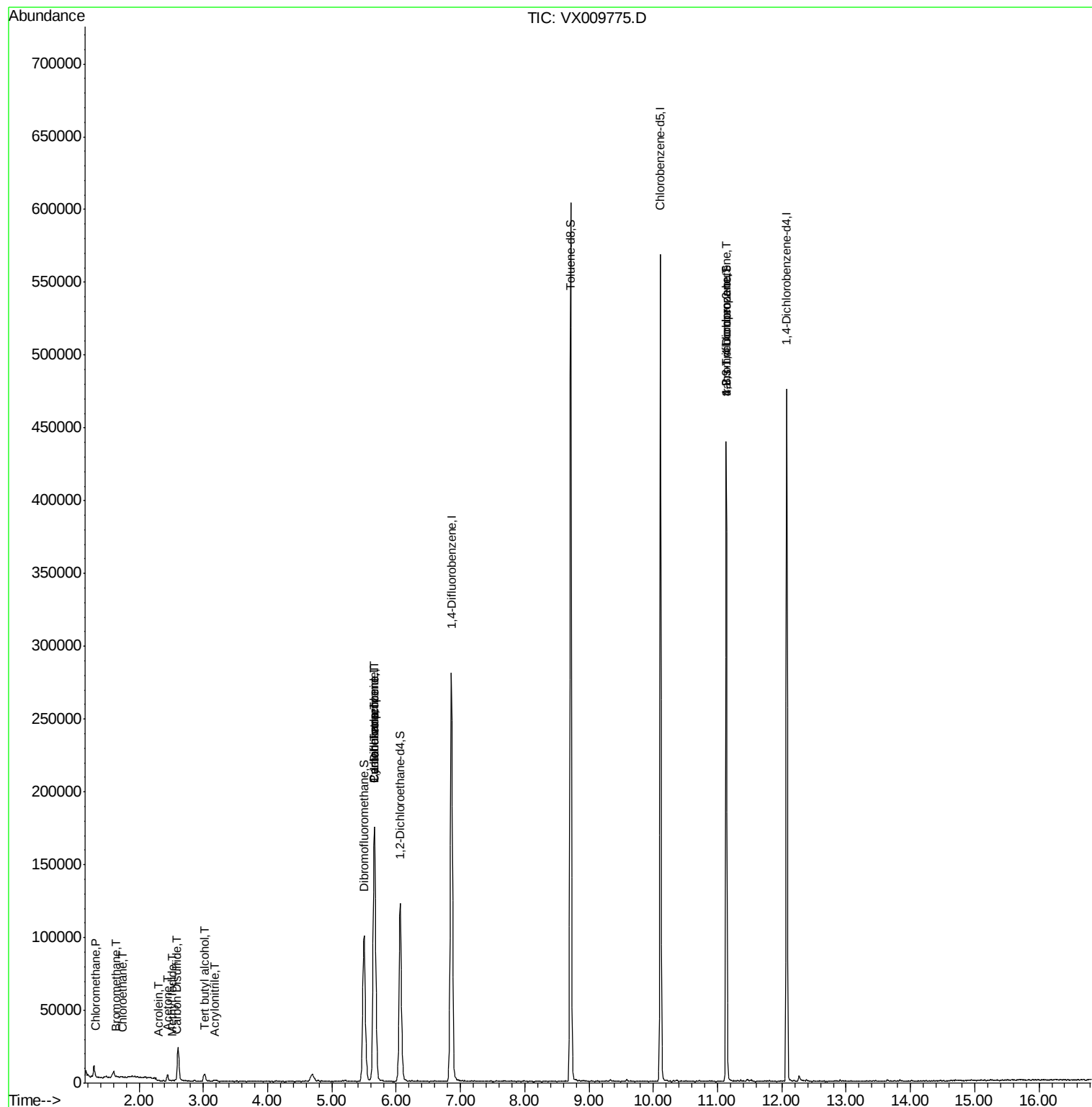
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	977	0.453	ug/l	89
5) Bromomethane	1.64	94	341	0.270	ug/l	81
6) Chloroethane	1.73	64	773	0.572	ug/l #	66
10) Methyl Iodide	2.52	142	436	4.806	ug/l	94
11) Tert butyl alcohol	3.02	59	3073	5.672	ug/l #	75
13) Acrolein	2.31	56	136	0.277	ug/l	88
15) Acrylonitrile	3.17	53	284	0.214	ug/l	87
16) Acetone	2.44	43	4927	3.920	ug/l	98
17) Carbon Disulfide	2.57	76	1032	0.228	ug/l #	84
28) Bromochloromethane	4.99	49	61	Below Cal	#	20
31) Cyclohexane	5.65	56	4024	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13476	5.259	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16129	6.928	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	58021	25.874	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58021	66.202	ug/l #	10

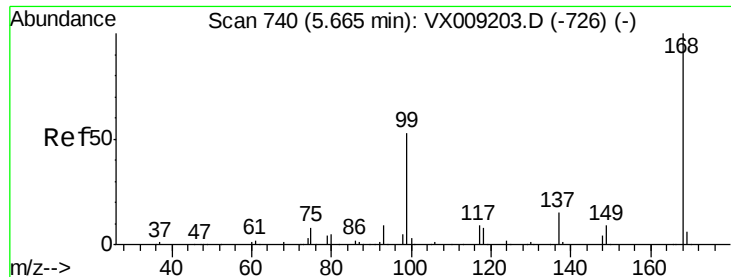
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

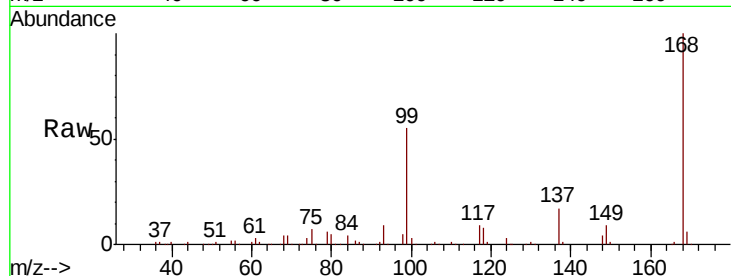
MW-13A_R2

Tot Ion:168 Resp: 171462

Ion Ratio Lower Upper

168 100

99 55.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

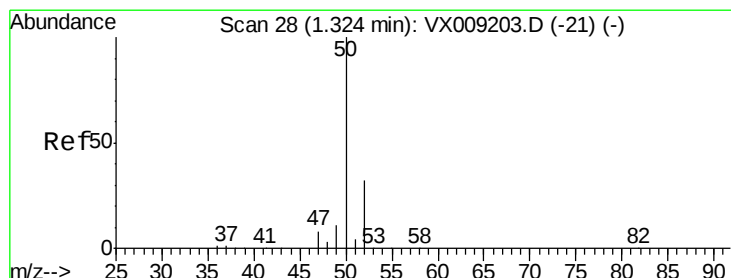
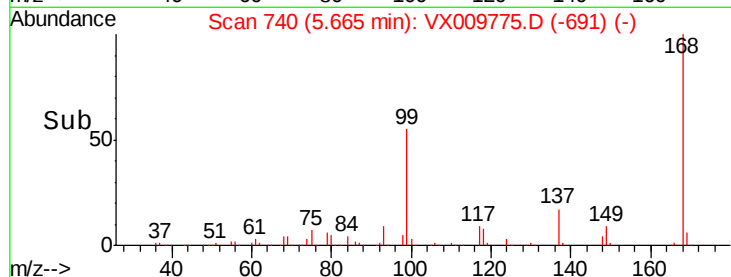
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.453 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009775.D

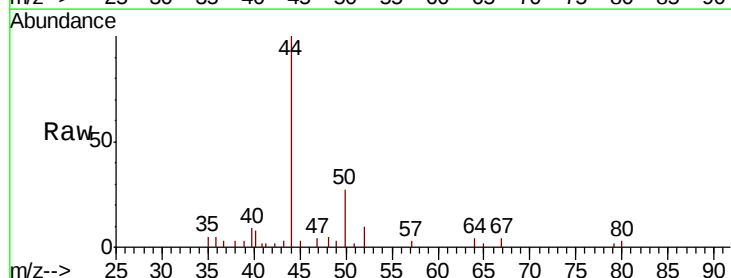
Acq: 22 May 2019 03:04

Tgt Ion: 50 Resp: 977

Ion Ratio Lower Upper

50 100

52 38.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

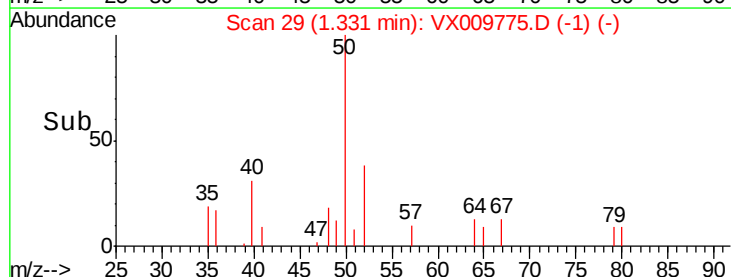
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.270 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampled :

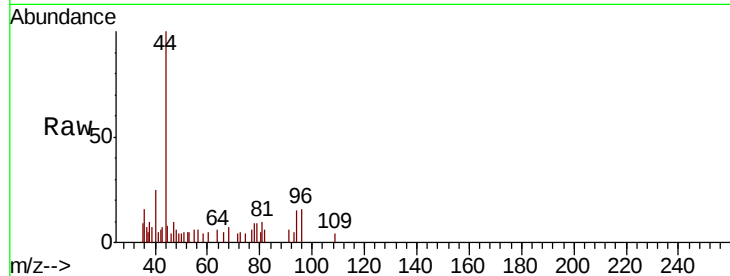
MW-13A_R2

Tot Ion: 94 Resp: 341

Ion Ratio Lower Upper

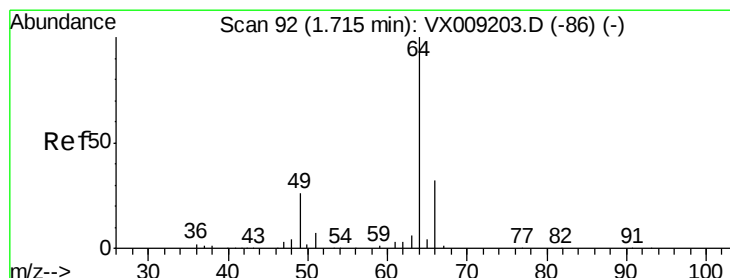
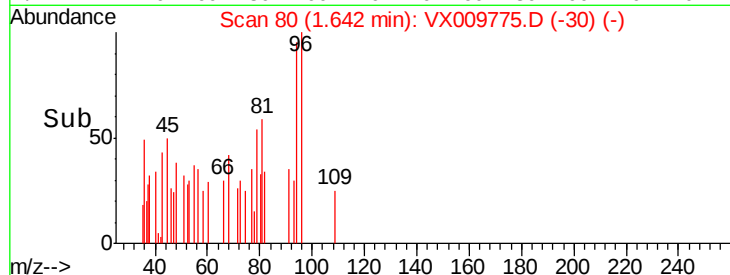
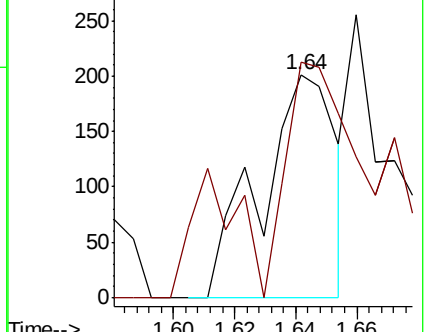
94 100

96 73.6 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: 0.572 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009775.D

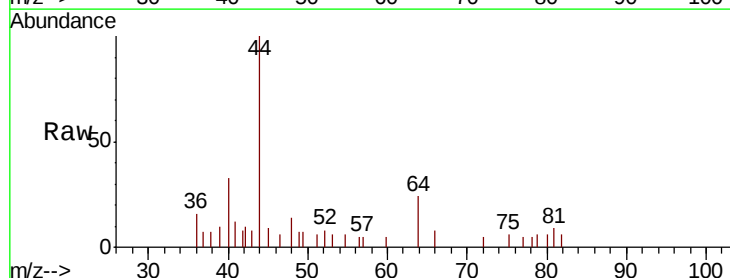
Acq: 22 May 2019 03:04

Tgt Ion: 64 Resp: 773

Ion Ratio Lower Upper

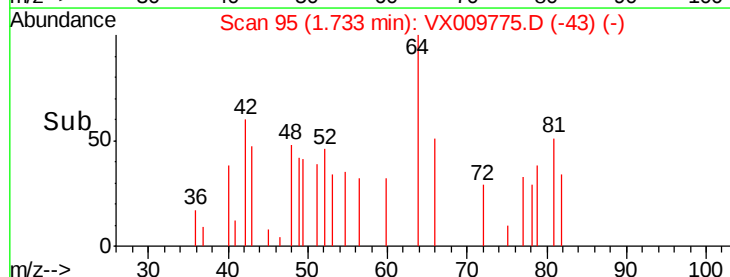
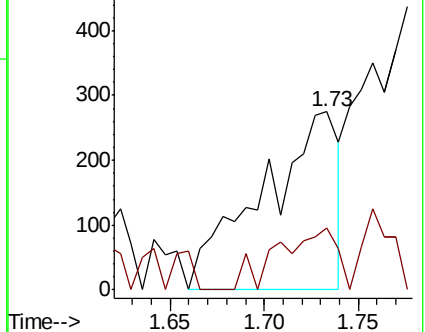
64 100

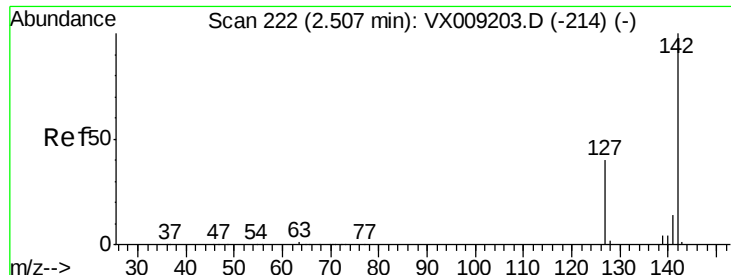
66 12.7 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

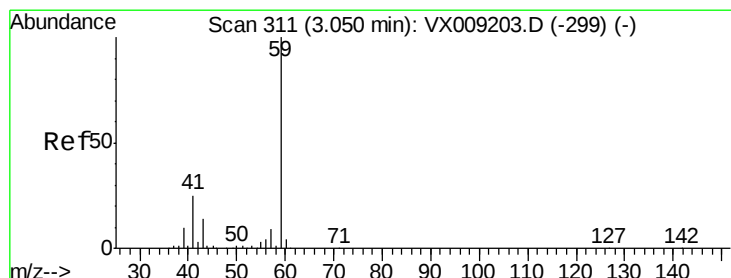
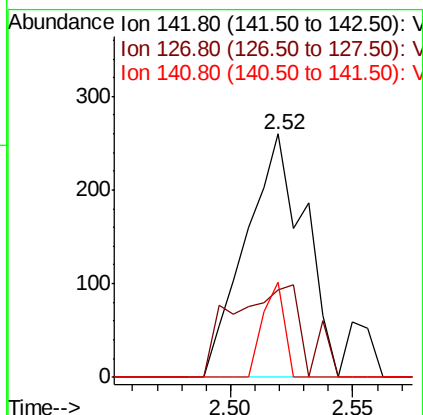
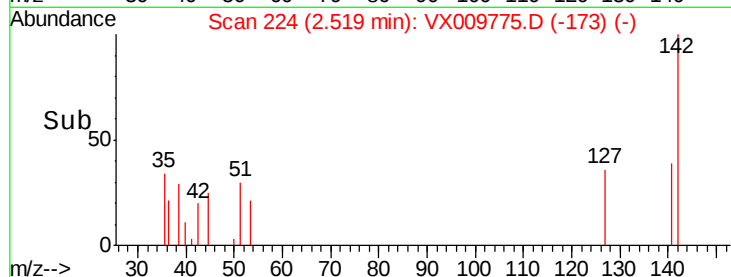
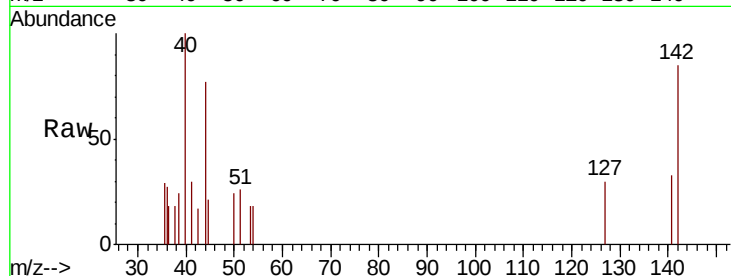




#10
Methvl Iodide
Concen: 4.806 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009775.D
Acq: 22 May 2019 03:04

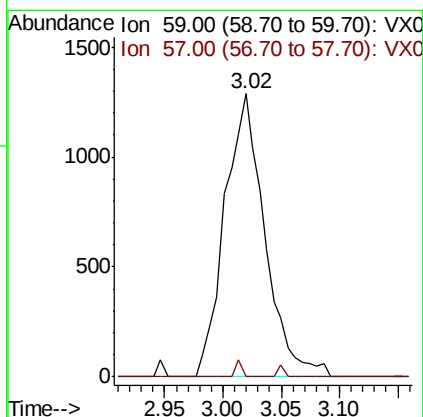
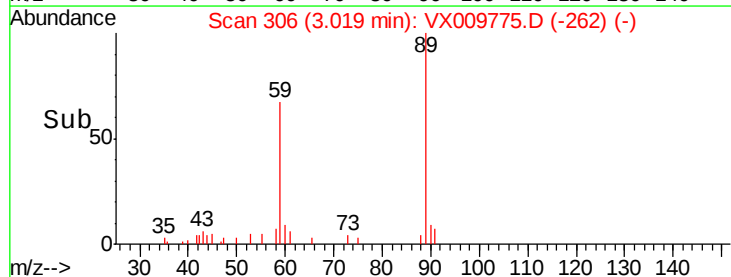
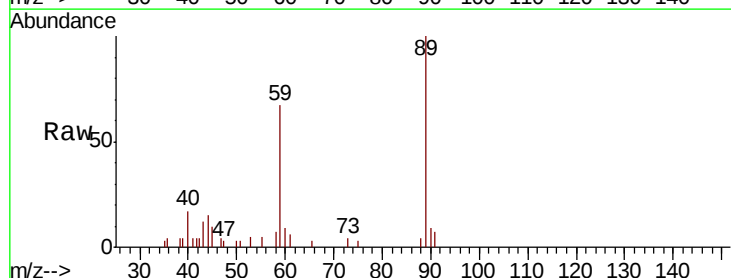
Instrument :
MSVOA_X
ClientSampleId :
MW-13A_R2

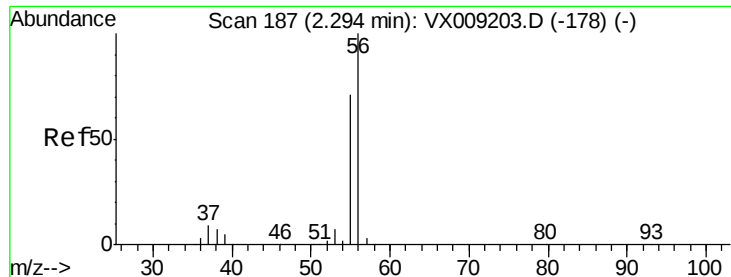
Tot Ion:142 Resp: 436
Ion Ratio Lower Upper
142 100
127 46.3 32.7 49.1
141 14.4 11.5 17.3



#11
Tert butyl alcohol
Concen: 5.672 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009775.D
Acq: 22 May 2019 03:04

Tgt Ion: 59 Resp: 3073
Ion Ratio Lower Upper
59 100
57 0.9 8.2 12.2#





#13

Acrolein

Concen: 0.277 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampled :

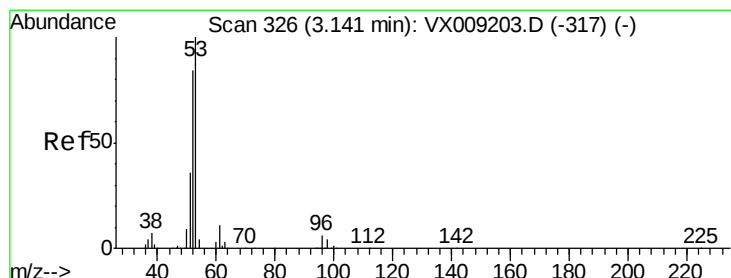
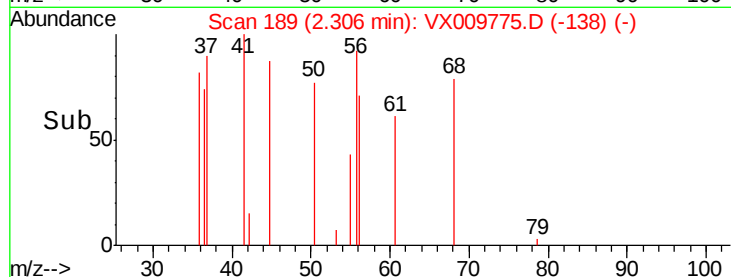
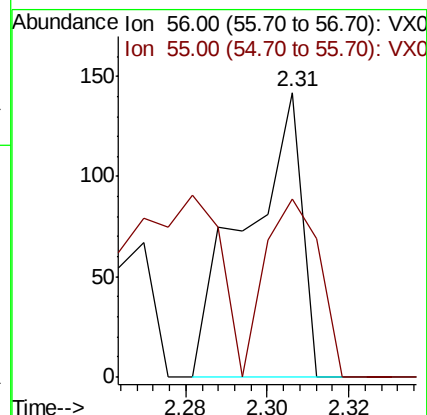
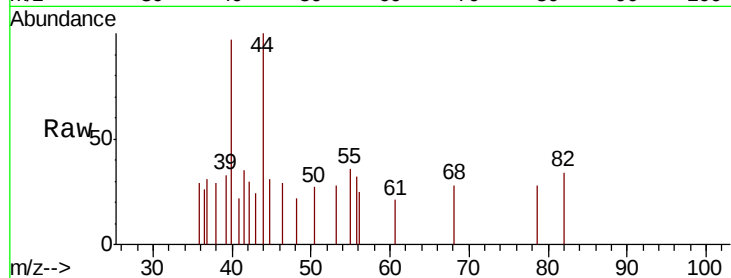
MW-13A_R2

Tot Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 61.0 56.6 85.0



#15

Acrylonitrile

Concen: 0.214 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

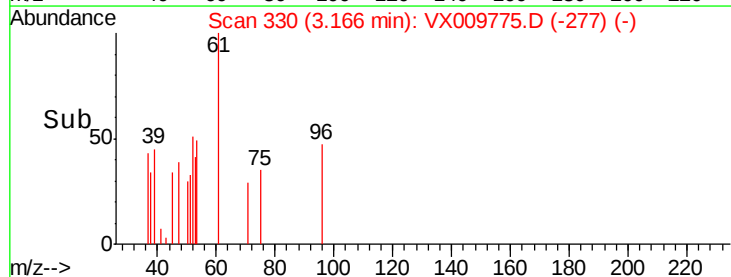
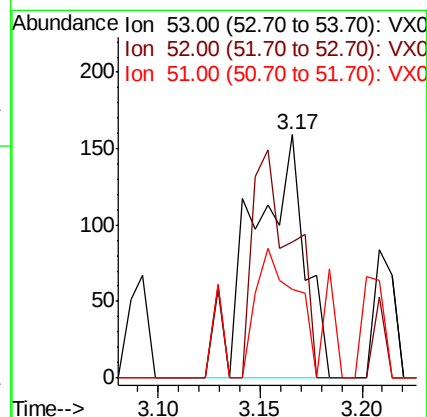
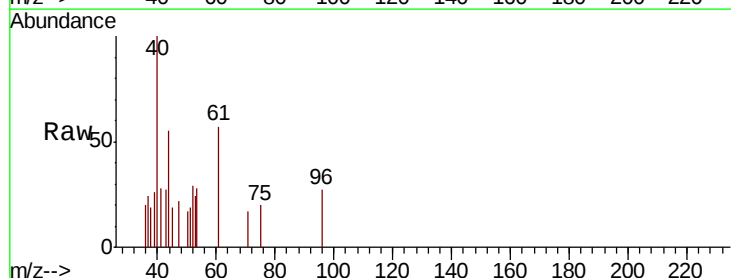
Tgt Ion: 53 Resp: 284

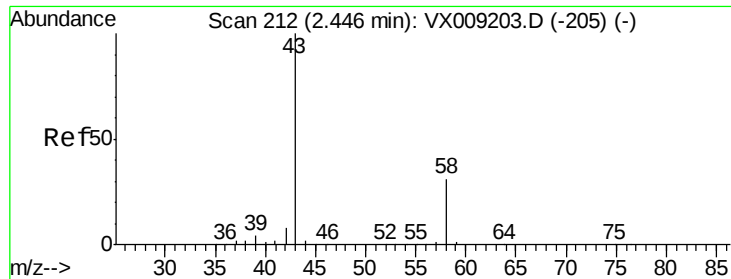
Ion Ratio Lower Upper

53 100

52 70.8 66.9 100.3

51 40.8 28.2 42.2





#16

Acetone

Concen: 3.920 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

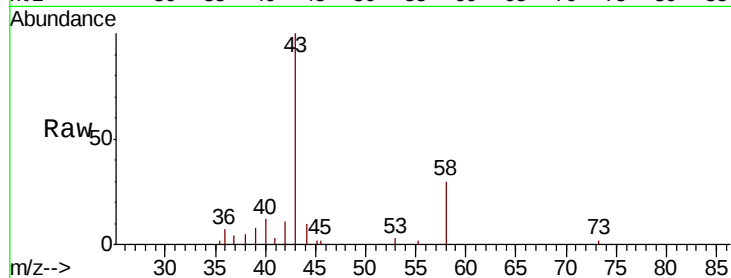
MW-13A_R2

Tot Ion: 43 Resp: 4927

Ion Ratio Lower Upper

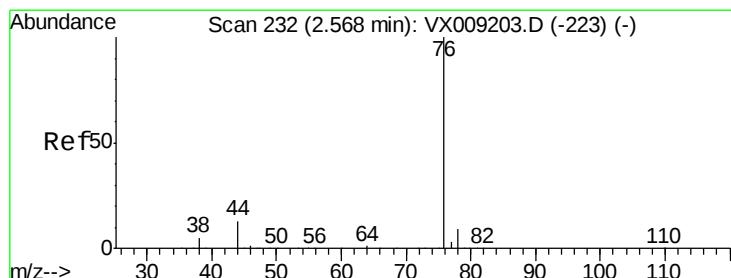
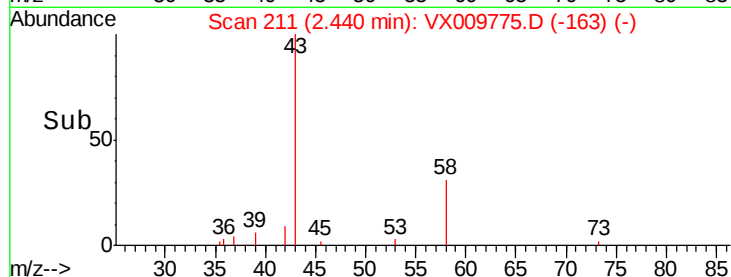
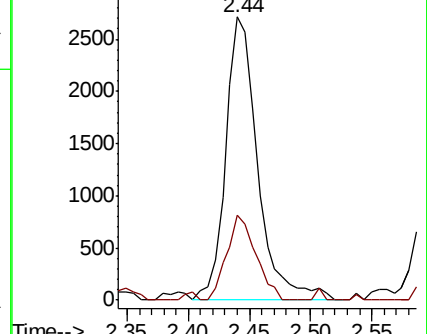
43 100

58 29.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009775.D

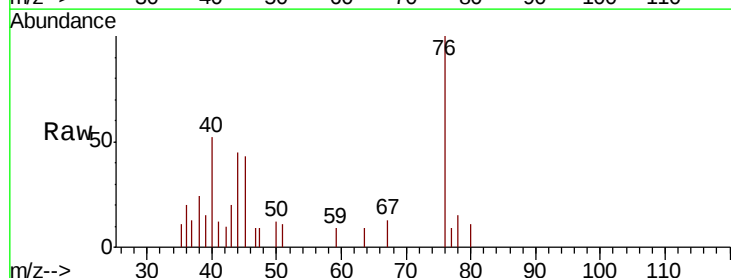
Acq: 22 May 2019 03:04

Tgt Ion: 76 Resp: 1032

Ion Ratio Lower Upper

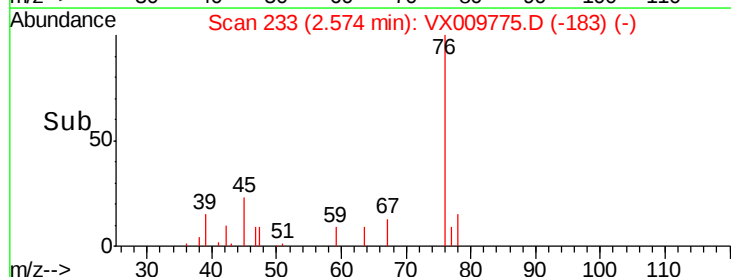
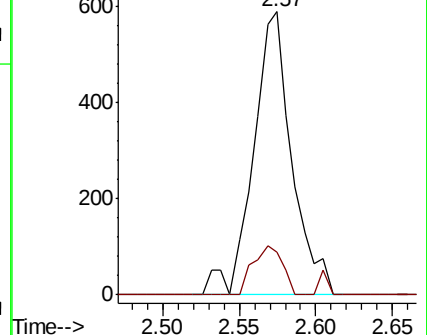
76 100

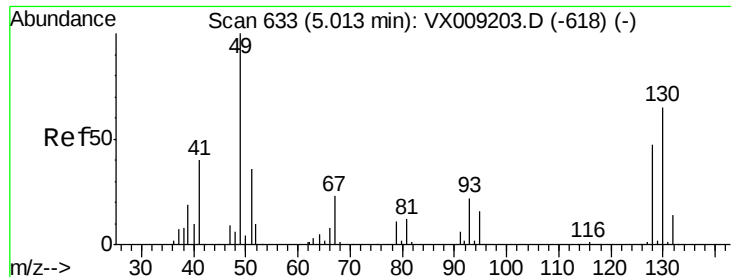
78 15.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.02 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

MW-13A_R2

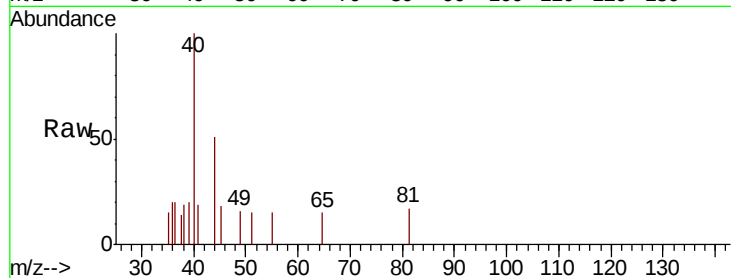
Tot Ion: 49 Resp: 61

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

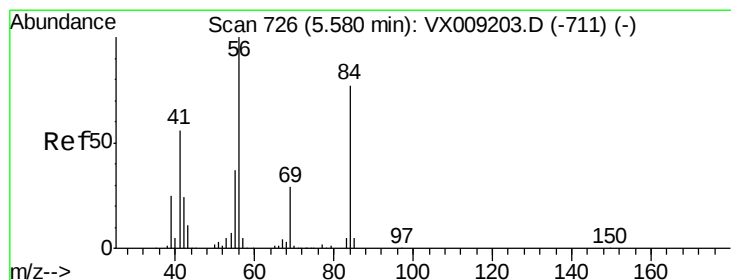
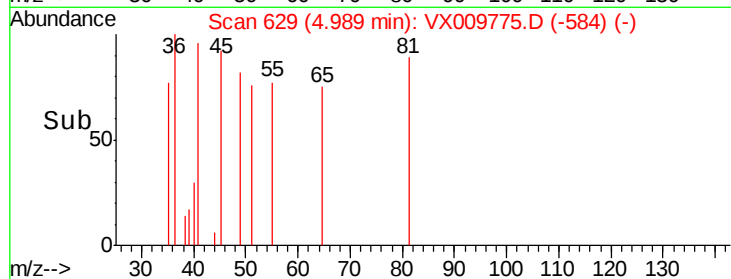
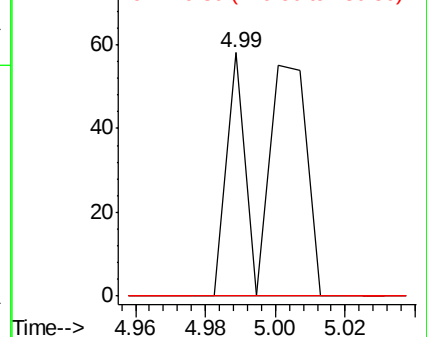
130 0.0 51.2 76.8#



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: 1.163 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

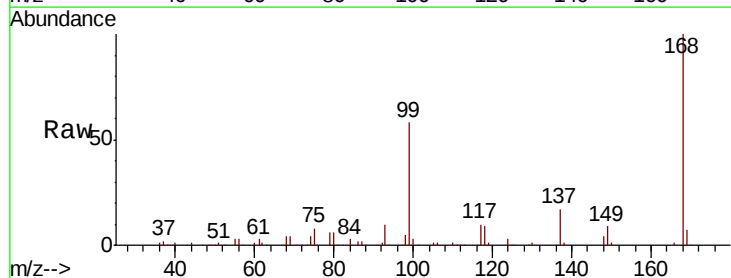
Tgt Ion: 56 Resp: 4024

Ion Ratio Lower Upper

56 100

69 164.1 23.4 35.0#

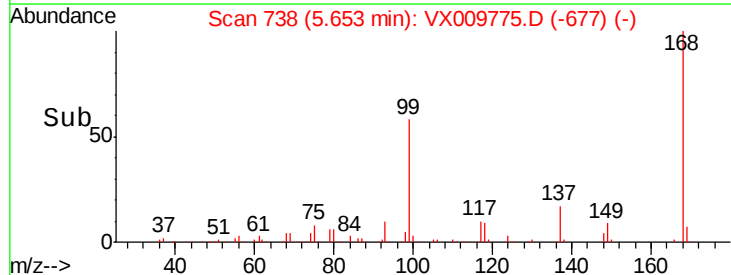
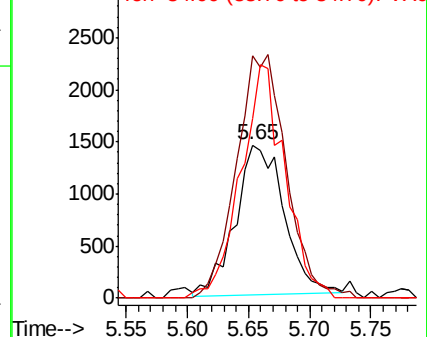
84 121.6 61.9 92.9#



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: 49.916 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

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ClientSampleId :

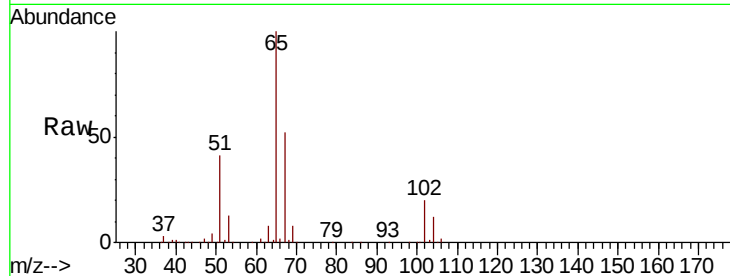
MW-13A_R2

Tot Ion: 65 Resp: 116836

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX009203.D (-792) (-)

Ion 66.90 (66.60 to 67.60): VX009203.D (-792) (-)

6.06

50000

40000

30000

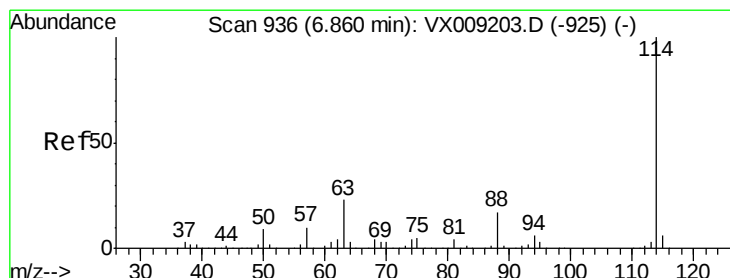
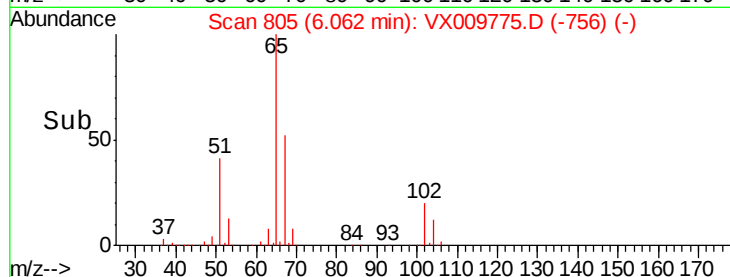
20000

10000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

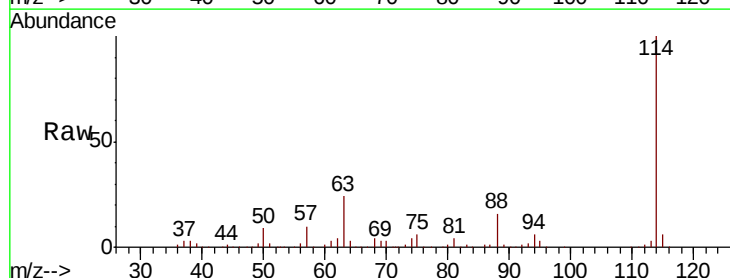
Tgt Ion: 114 Resp: 275733

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.6

88 16.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VX009203.D (-925) (-)

Ion 63.00 (62.70 to 63.70): VX009203.D (-925) (-)

Ion 87.90 (87.60 to 88.60): VX009203.D (-925) (-)

6.86

150000

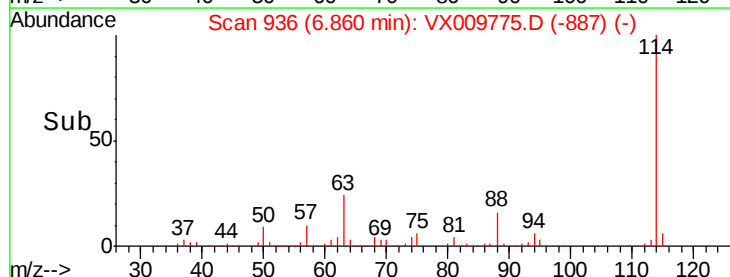
100000

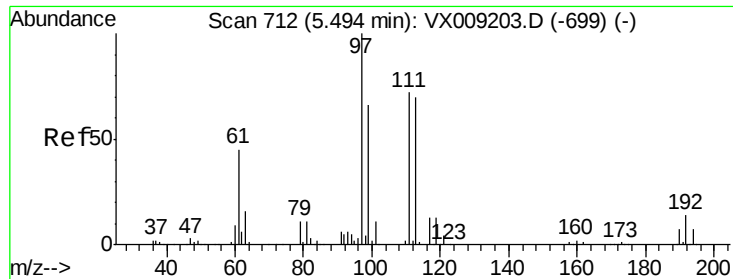
50000

0

Time-->

6.70 6.80 6.90 7.00

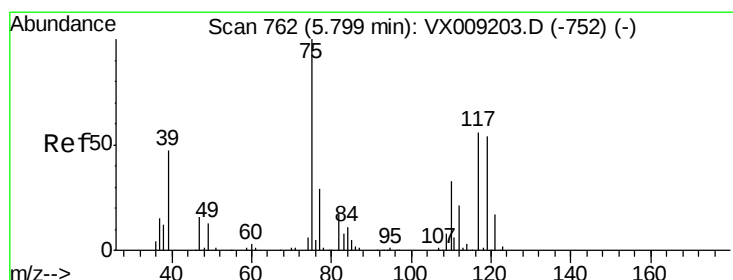
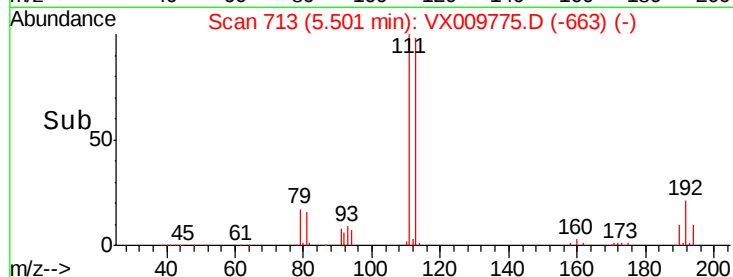
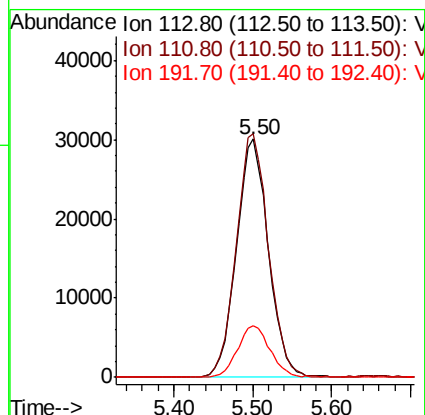
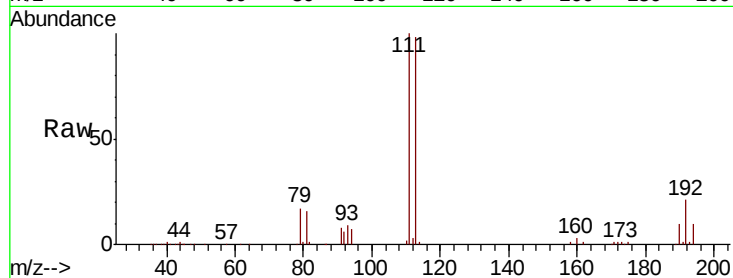




#35
 Dibromofluoromethane
 Concen: 48.810 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009775.D
 Acq: 22 May 2019 03:04

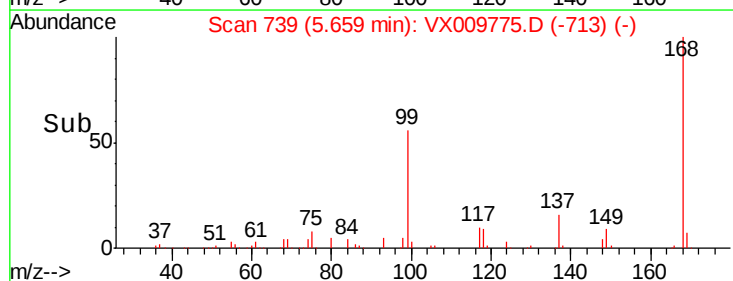
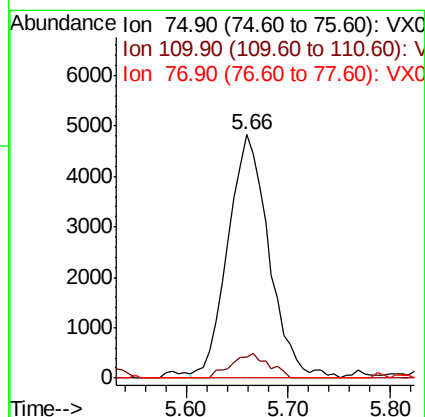
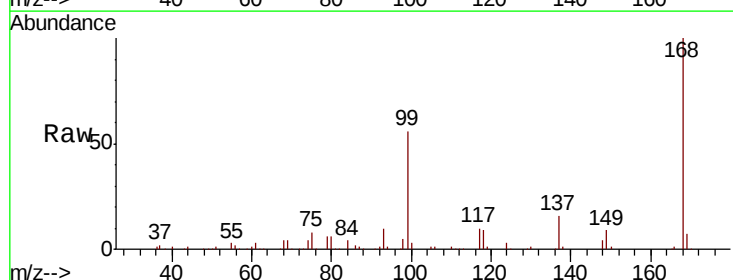
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13A_R2

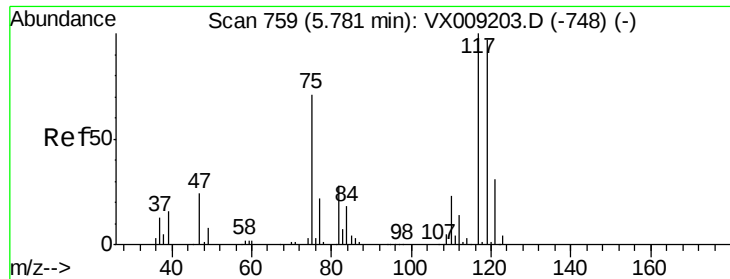
Tot Ion:113 Resp: 84605
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009775.D
 Acq: 22 May 2019 03:04

Tgt Ion: 75 Resp: 13476
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.8 37.2#

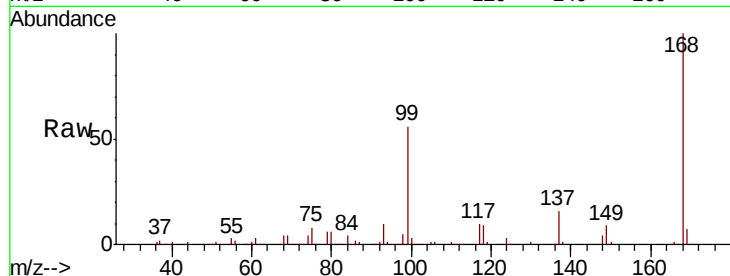




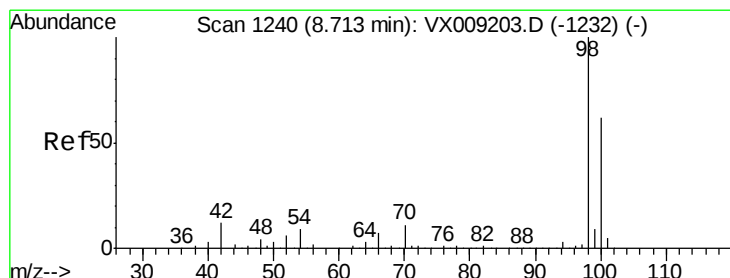
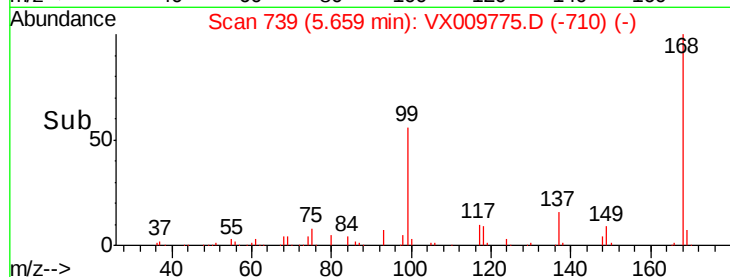
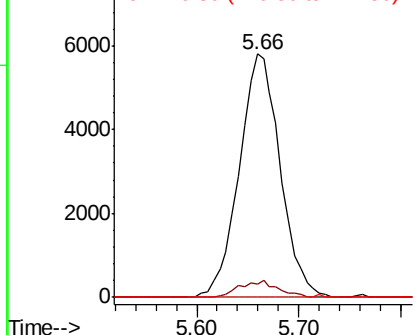
#38
Carbon Tetrachloride
Concen: 6.928 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009775.D
Acq: 22 May 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
MW-13A_R2

Tot Ion:117 Resp: 16129
Ion Ratio Lower Upper
117 100
119 5.7 77.5 116.3#
121 0.0 24.7 37.1#

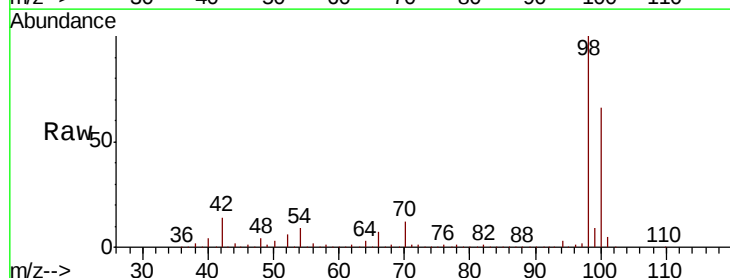


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

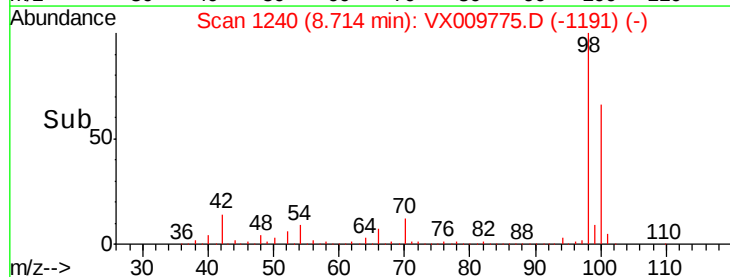
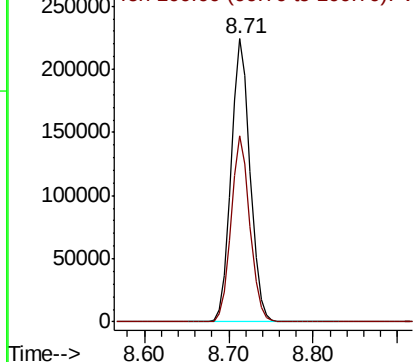


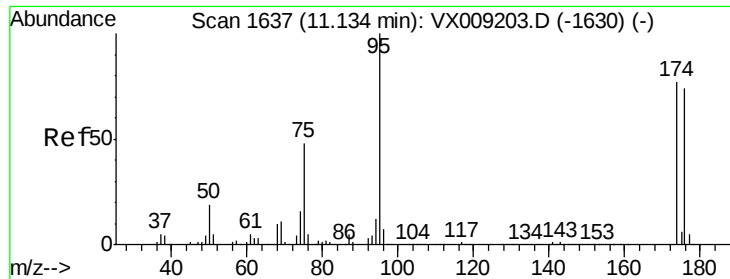
#50
Toluene-d8
Concen: 49.110 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009775.D
Acq: 22 May 2019 03:04

Tgt Ion: 98 Resp: 343677
Ion Ratio Lower Upper
98 100
100 64.8 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: 43.975 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

MW-13A_R2

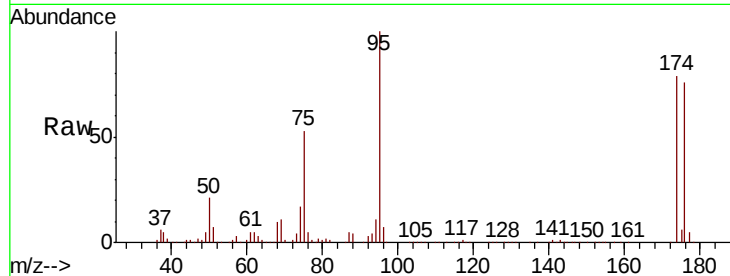
Tot Ion: 95 Resp: 111820

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

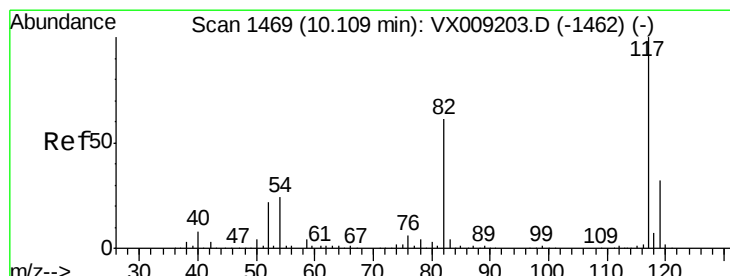
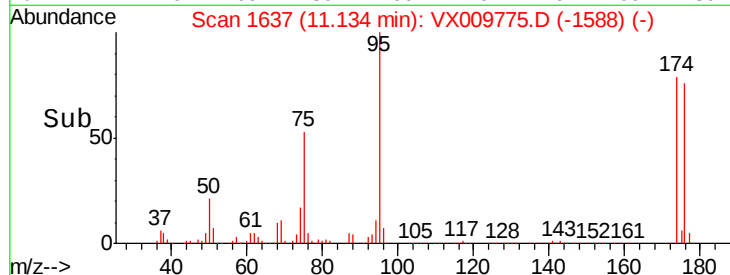
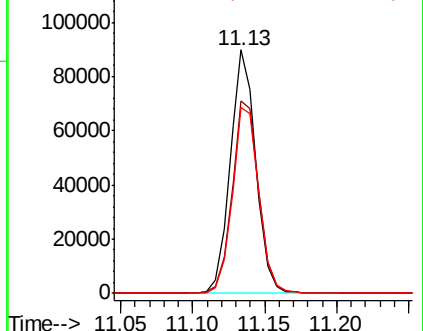
176 79.0 0.0 159.2



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: VX009775.D

Acq: 22 May 2019 03:04

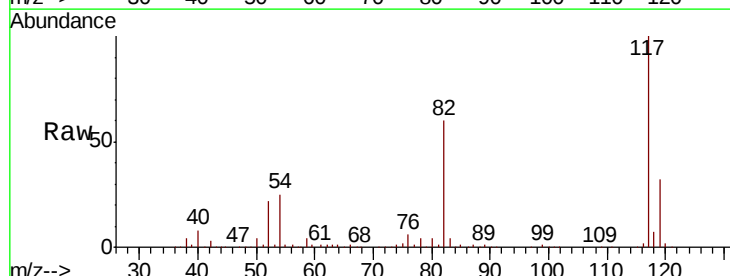
Tgt Ion: 117 Resp: 240085

Ion Ratio Lower Upper

117 100

82 59.7 48.8 73.2

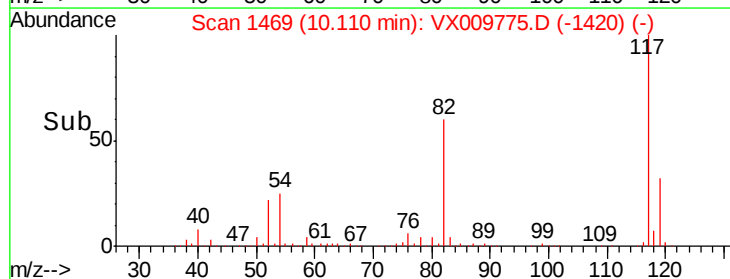
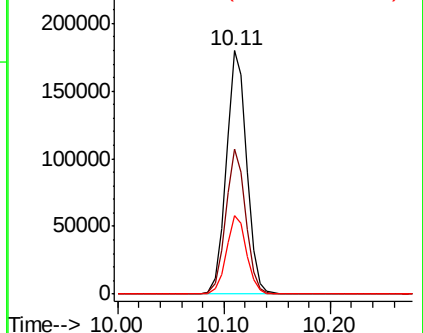
119 32.1 25.8 38.6

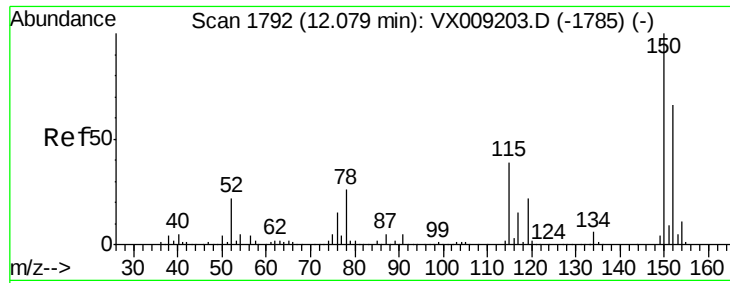


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

MW-13A_R2

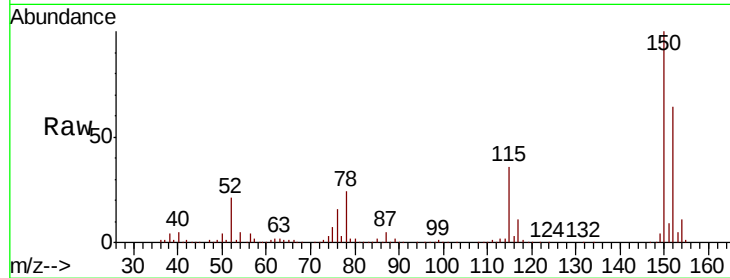
Tot Ion:152 Resp: 96672

Ion Ratio Lower Upper

152 100

115 58.8 41.2 123.6

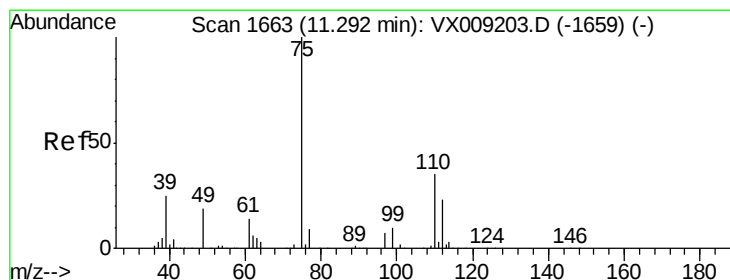
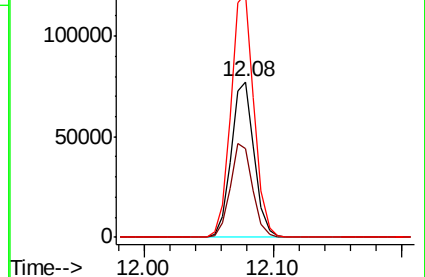
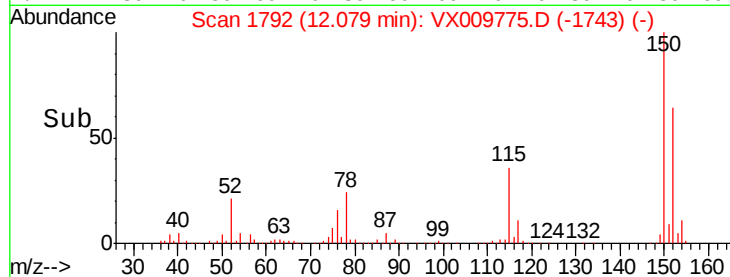
150 157.5 0.0 346.4



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: 25.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009775.D

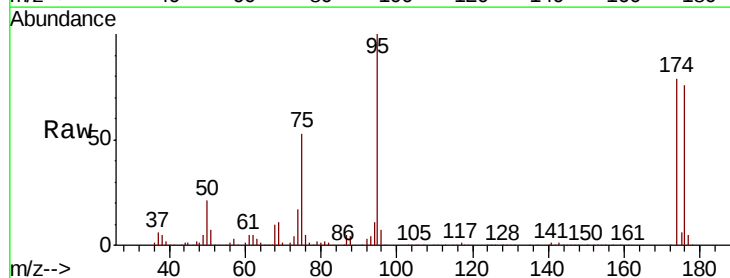
Acq: 22 May 2019 03:04

Tgt Ion: 75 Resp: 58021

Ion Ratio Lower Upper

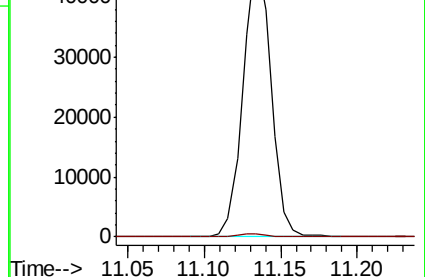
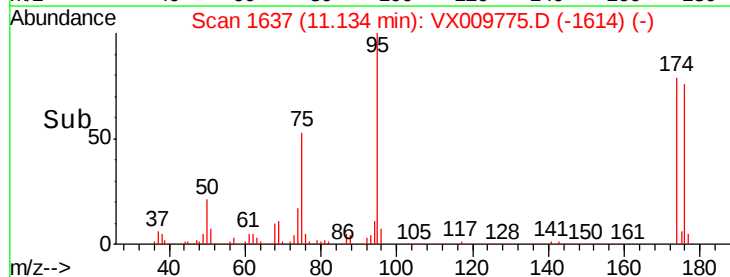
75 100

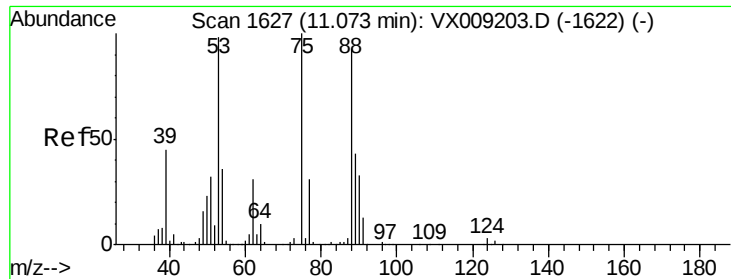
77 1.2 22.1 66.1#



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: 66.202 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009775.D

Acq: 22 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

MW-13A_R2

Tot Ion: 75 Resp: 58021

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

