

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011088.D
 Acq On : 26 Jul 2019 14:15
 Operator : JC/SP
 Sample : K4014-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Jul 27 02:02:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143352	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	113505	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	5.50	113	104041	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	8.71	98	398707	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	139263	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

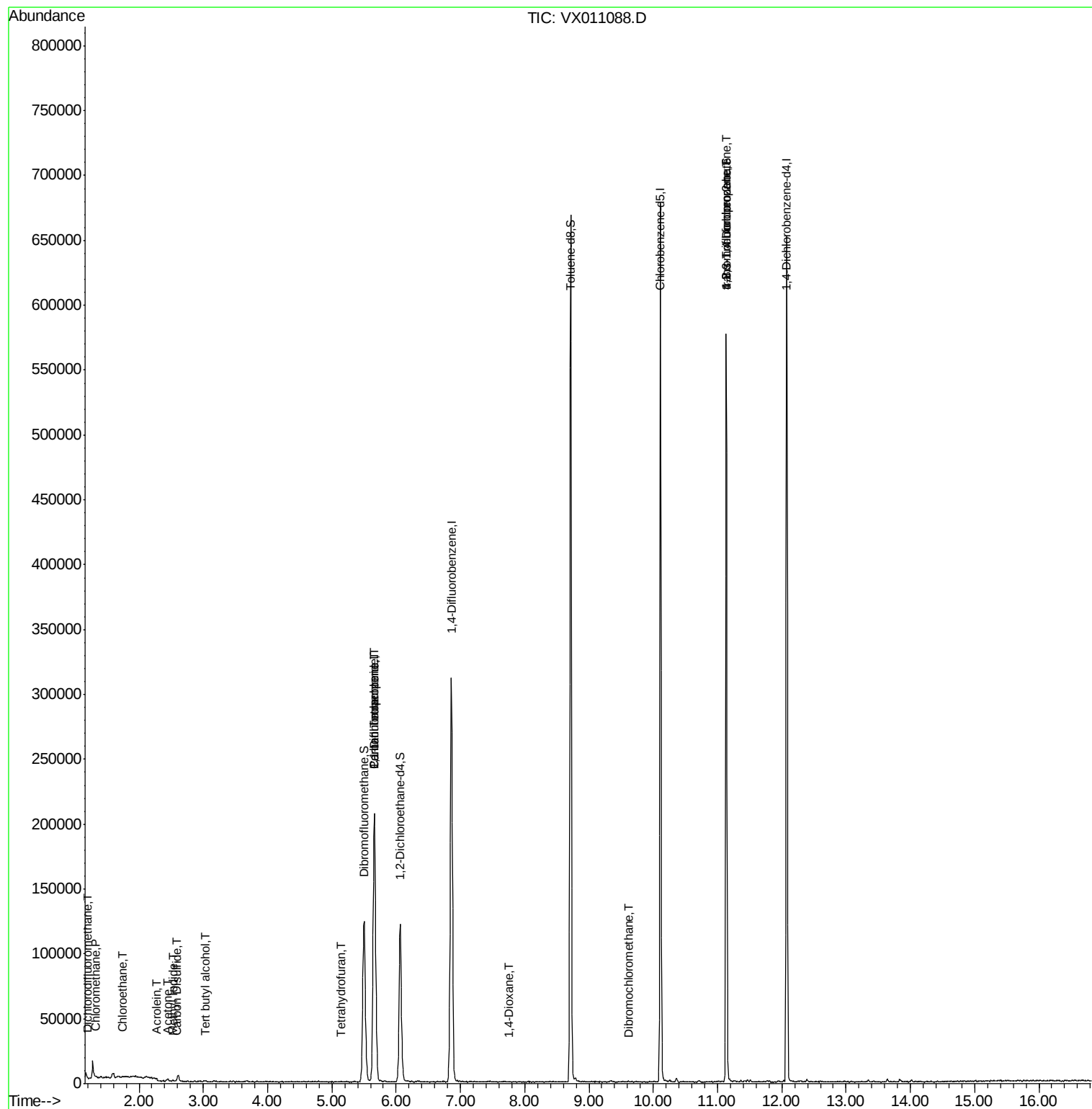
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	139	0.608	ug/l	89
3) Chloromethane	1.33	50	533	0.278	ug/l #	88
6) Chloroethane	1.75	64	864	0.696	ug/l #	44
10) Methyl Iodide	2.52	142	842	0.340	ug/l #	78
11) Tert butyl alcohol	3.04	59	801	1.552	ug/l	100
13) Acrolein	2.28	56	168	0.563	ug/l #	32
16) Acetone	2.44	43	1857	1.855	ug/l	90
17) Carbon Disulfide	2.57	76	959	0.201	ug/l #	75
29) Tetrahydrofuran	5.15	42	391	0.430	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	14156	5.174	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19320	6.777	ug/l #	18
49) 1,4-Dioxane	7.75	88	20	0.319	ug/l #	1
60) Dibromochloromethane	9.63	129	22	2.536	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	71108	27.488	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	71108	68.079	ug/l #	11

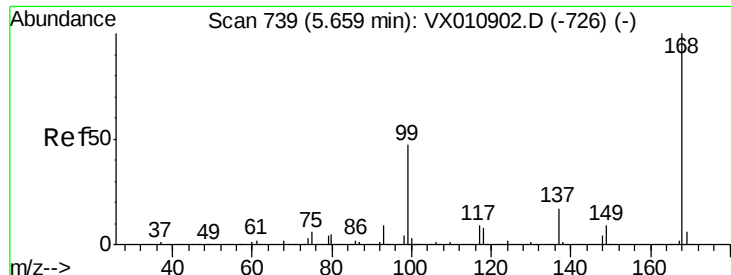
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 02:02:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampled :

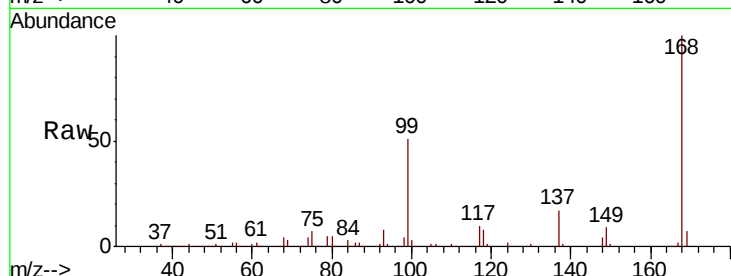
MW-1

Tot Ion:168 Resp: 208345

Ion Ratio Lower Upper

168 100

99 50.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

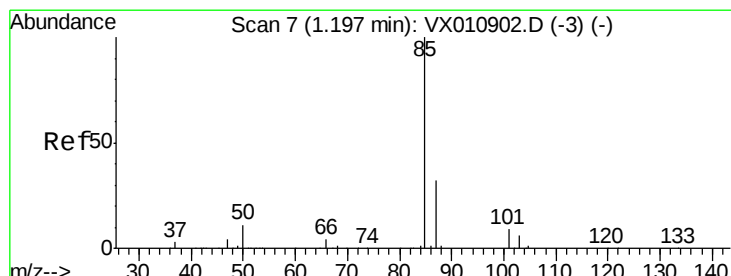
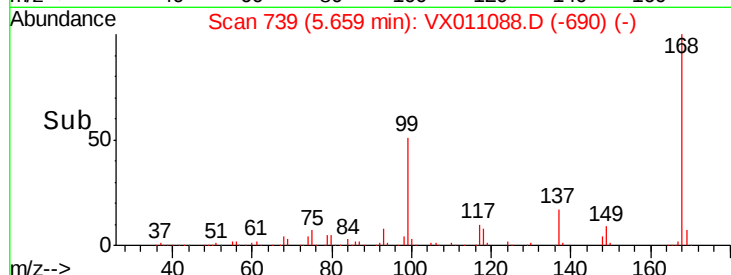
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.608 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011088.D

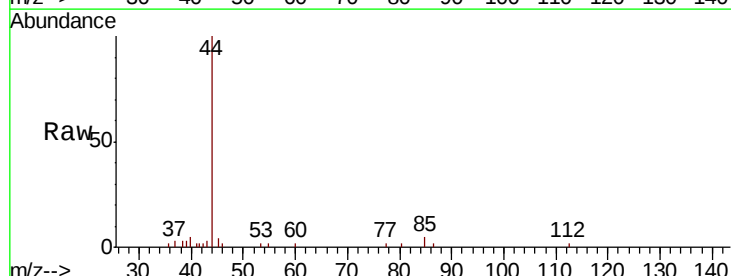
Acq: 26 Jul 2019 14:15

Tgt Ion: 85 Resp: 139

Ion Ratio Lower Upper

85 100

87 37.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

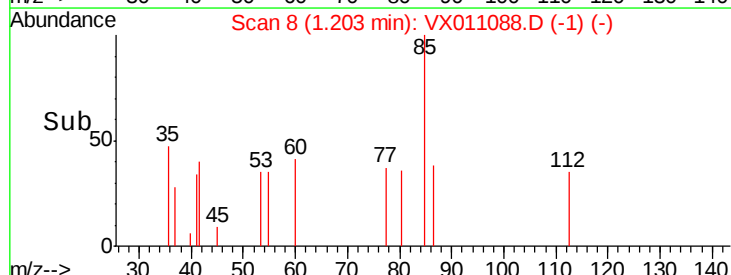
150

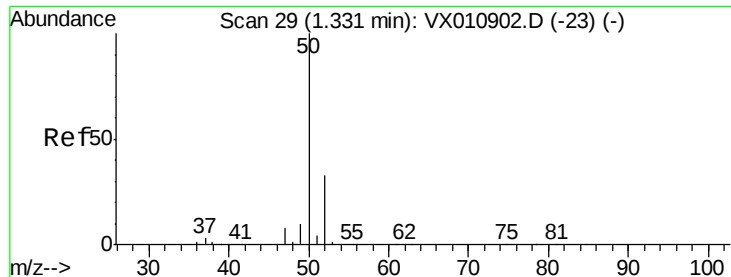
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.278 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

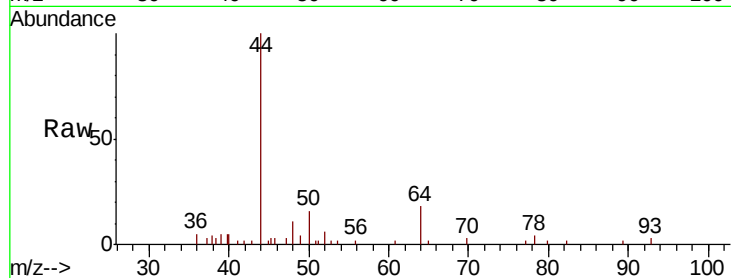
MW-1

Tot Ion: 50 Resp: 533

Ion Ratio Lower Upper

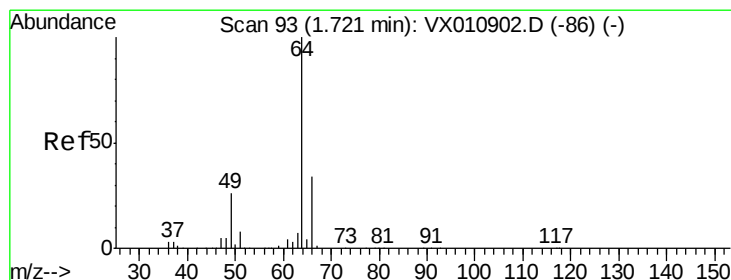
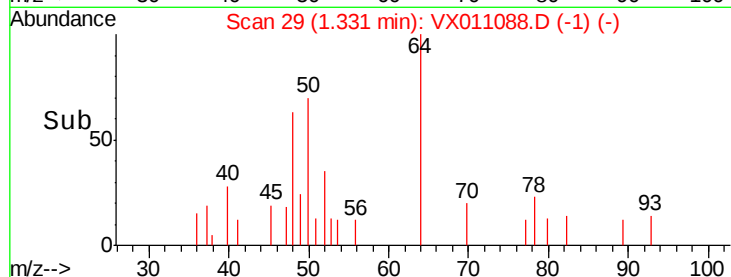
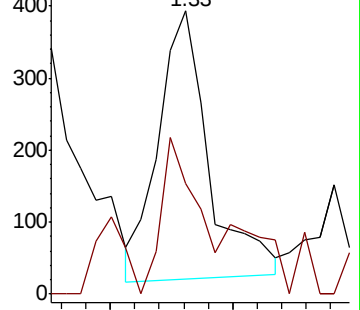
50 100

52 25.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#6

Chloroethane

Concen: 0.696 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX011088.D

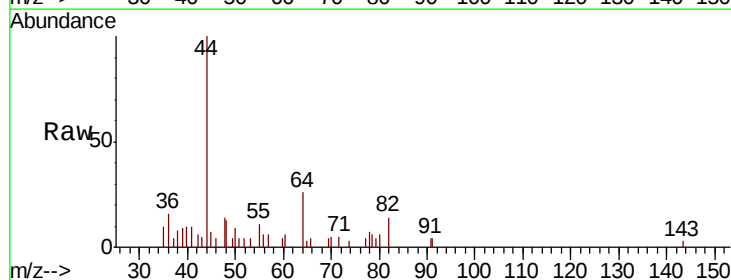
Acq: 26 Jul 2019 14:15

Tgt Ion: 64 Resp: 864

Ion Ratio Lower Upper

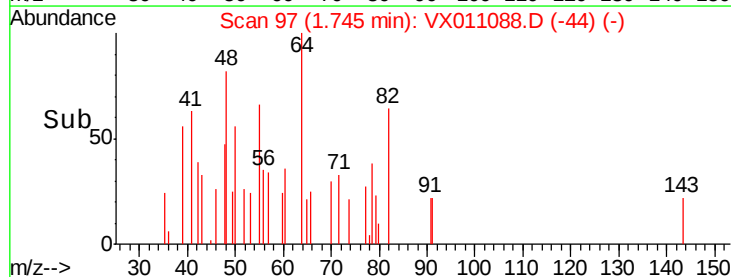
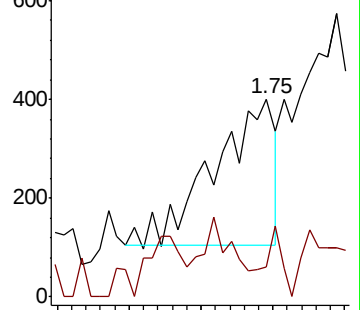
64 100

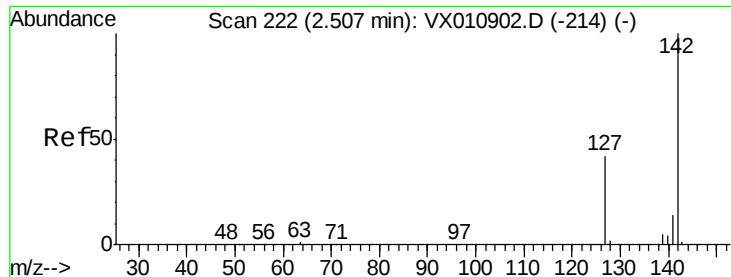
66 1.7 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

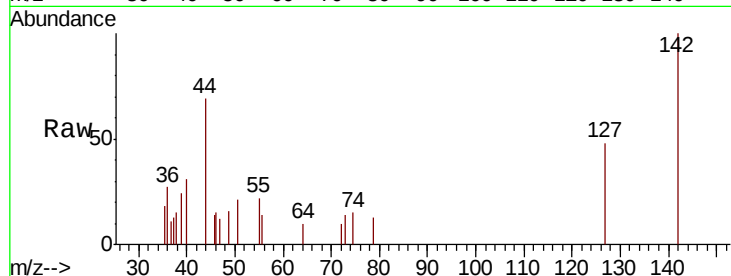




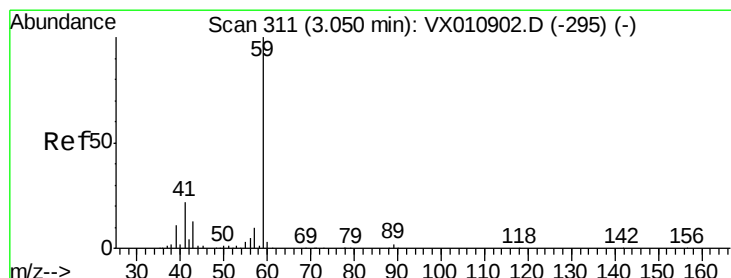
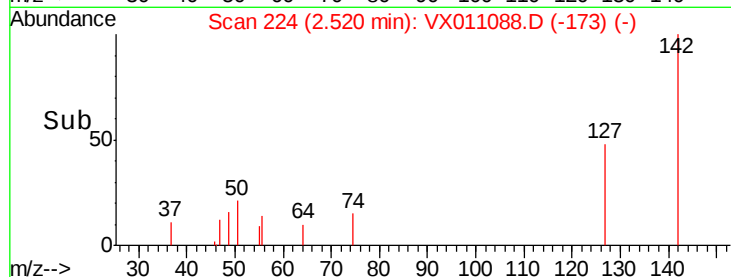
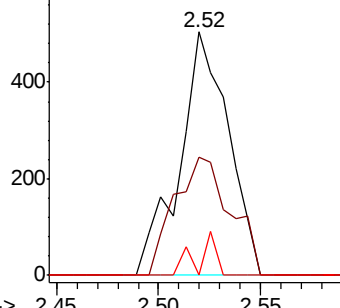
#10
Methvl Iodide
Concen: 0.340 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX011088.D
Acq: 26 Jul 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion:142 Resp: 842
Ion Ratio Lower Upper
142 100
127 55.6 34.2 51.4#
141 2.6 11.7 17.5#

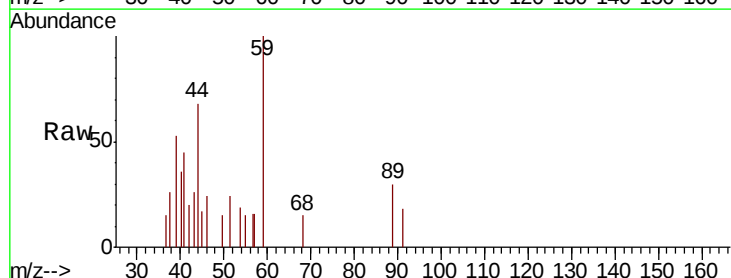


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

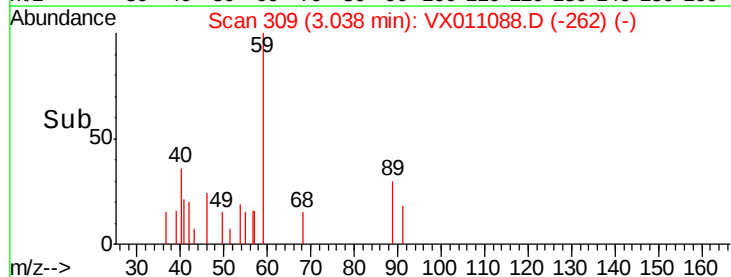
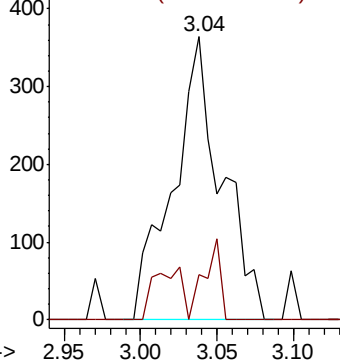


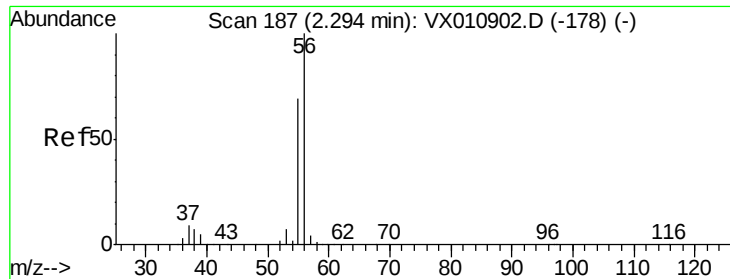
#11
Tert butyl alcohol
Concen: 1.552 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX011088.D
Acq: 26 Jul 2019 14:15

Tgt Ion: 59 Resp: 801
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.563 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampled :

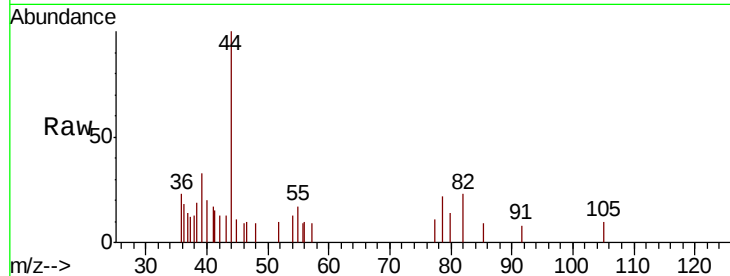
MW-1

Tot Ion: 56 Resp: 168

Ion Ratio Lower Upper

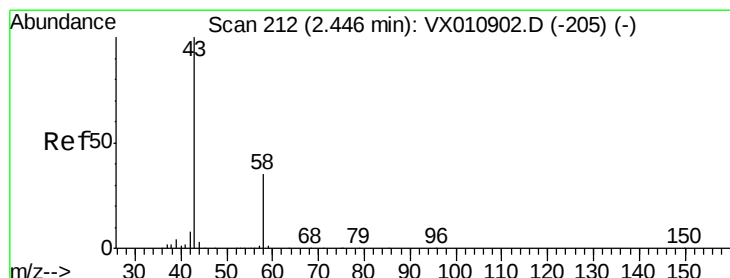
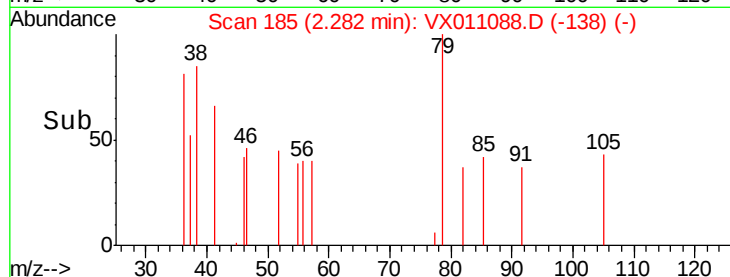
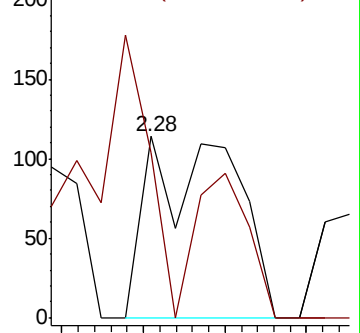
56 100

55 125.6 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.855 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011088.D

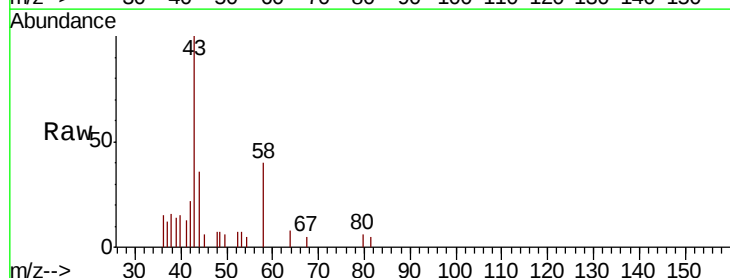
Acq: 26 Jul 2019 14:15

Tgt Ion: 43 Resp: 1857

Ion Ratio Lower Upper

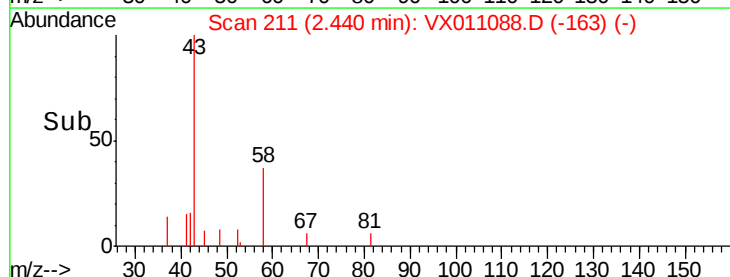
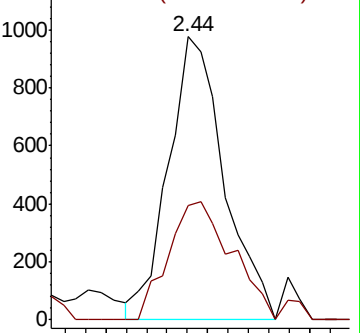
43 100

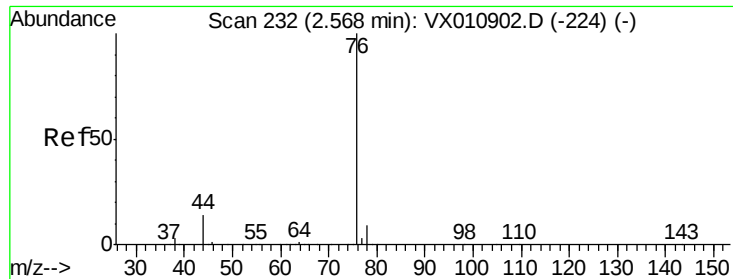
58 40.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

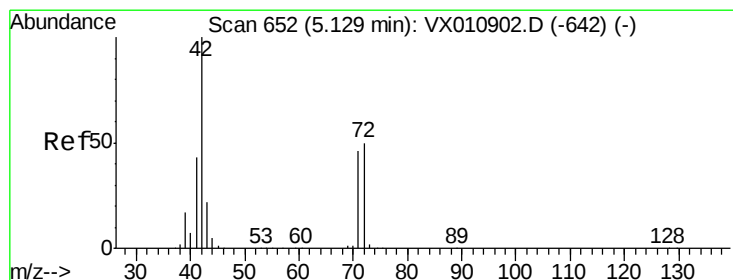
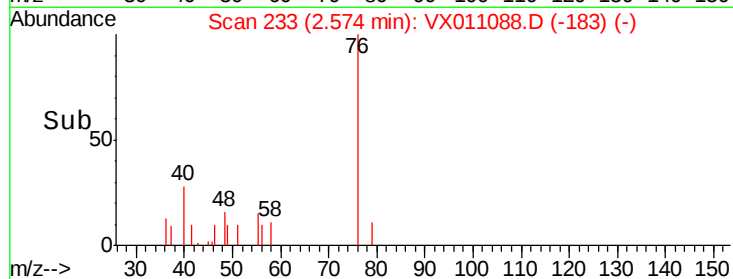
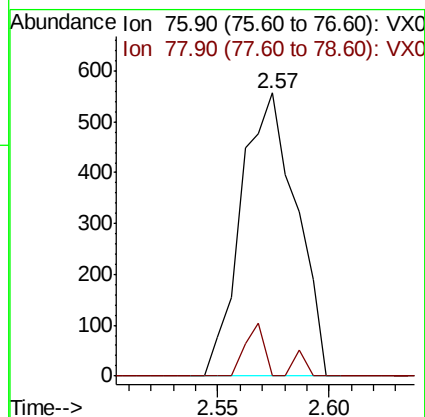
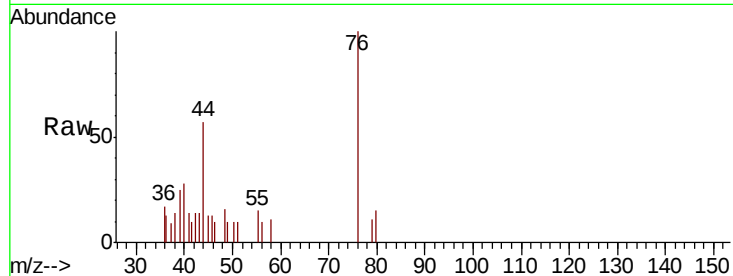




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX011088.D
Acq: 26 Jul 2019 14:15

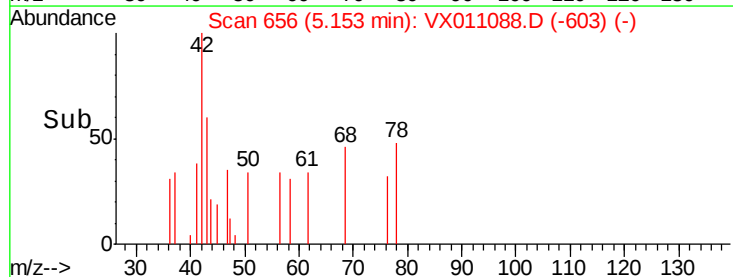
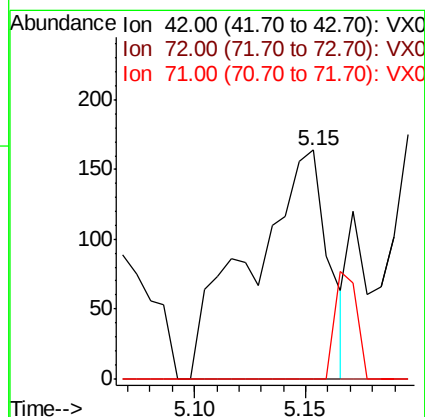
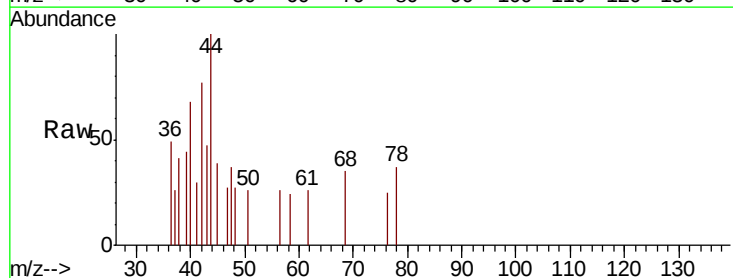
Instrument :
MSVOA_X
ClientSampled :
MW-1

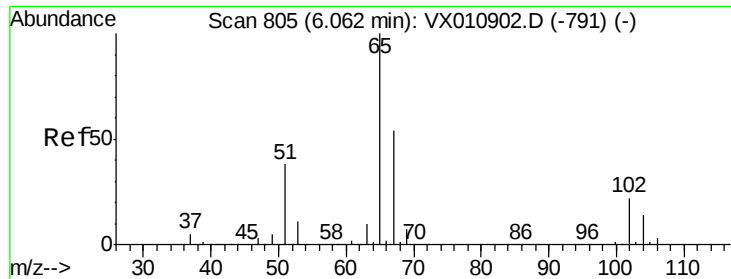
Tot Ion: 76 Resp: 959
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#29
Tetrahydrofuran
Concen: 0.430 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX011088.D
Acq: 26 Jul 2019 14:15

Tgt Ion: 42 Resp: 391
Ion Ratio Lower Upper
42 100
72 0.0 39.8 59.8#
71 13.6 37.0 55.4#

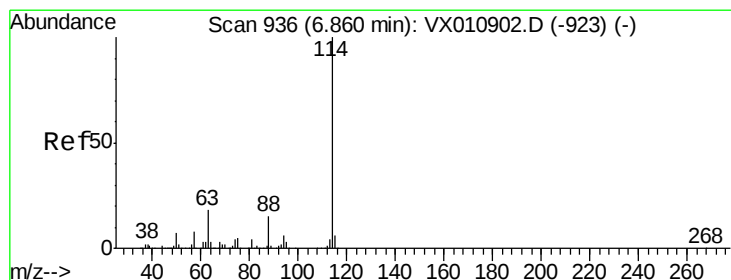
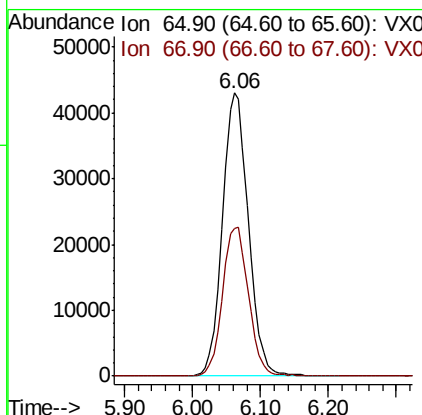
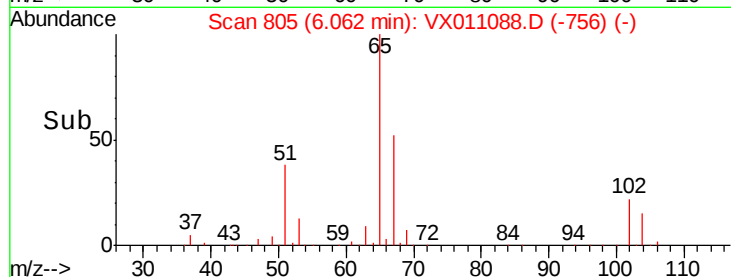
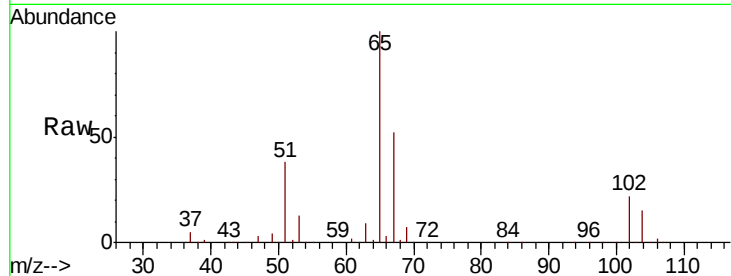




#33
 1,2-Dichloroethane-d4
 Concen: 51.210 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011088.D
 Acq: 26 Jul 2019 14:15

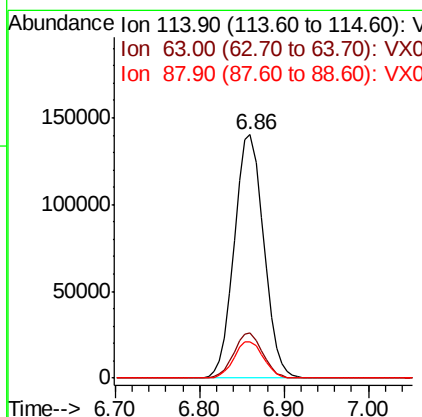
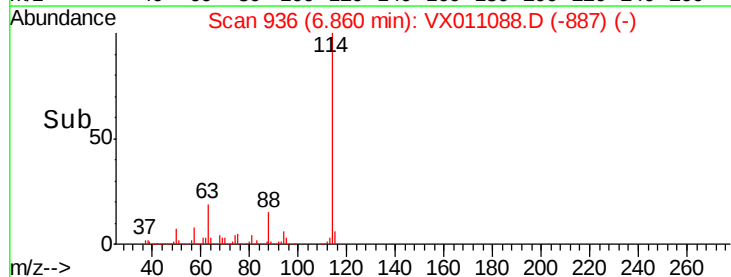
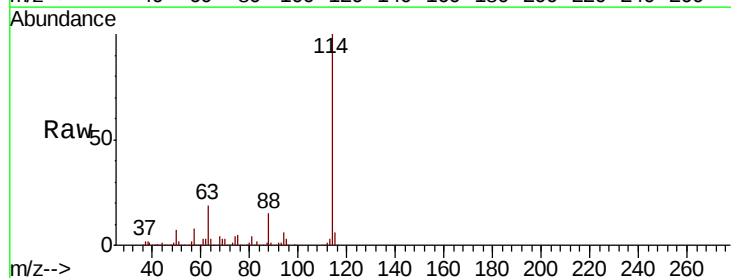
Instrument :
 MSVOA_X
 ClientSampleID :
 MW-1

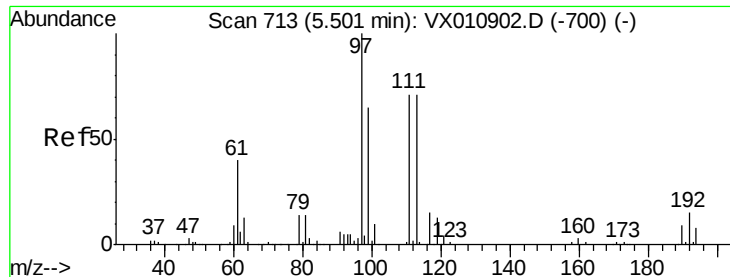
Tot Ion: 65 Resp: 113505
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011088.D
 Acq: 26 Jul 2019 14:15

Tgt Ion: 114 Resp: 333081
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.6
 88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.212 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

MW-1

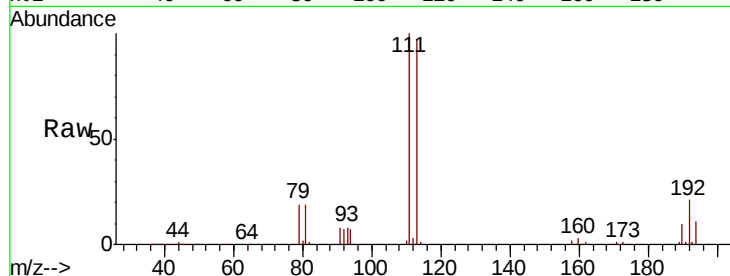
Tot Ion:113 Resp: 104041

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

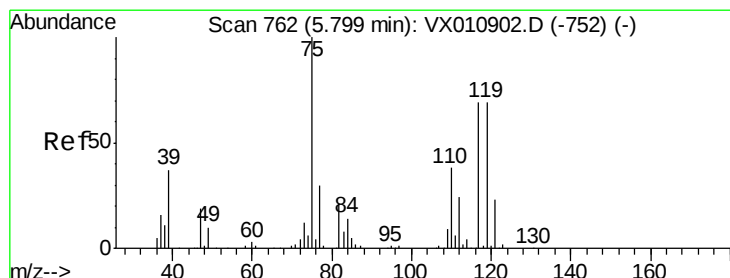
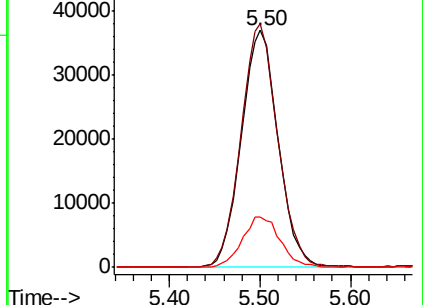
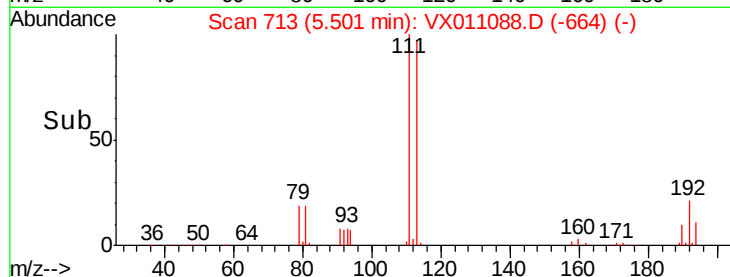
192 22.0 17.4 26.2



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: 5.174 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

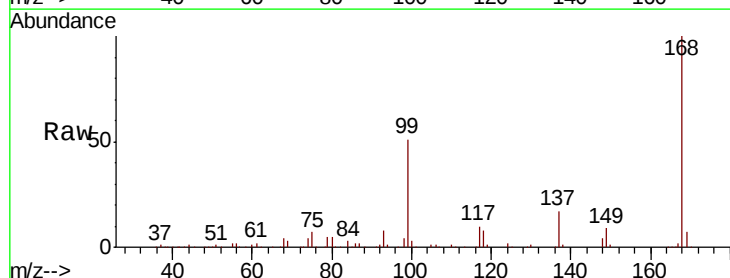
Tgt Ion: 75 Resp: 14156

Ion Ratio Lower Upper

75 100

110 11.3 19.9 59.7#

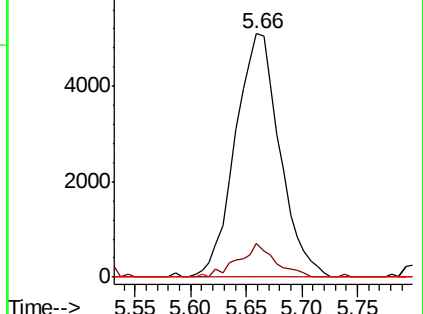
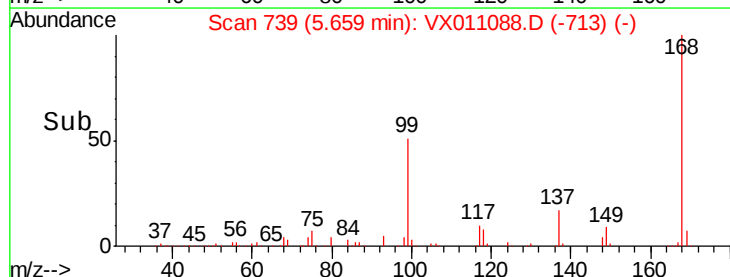
77 0.0 25.0 37.4#

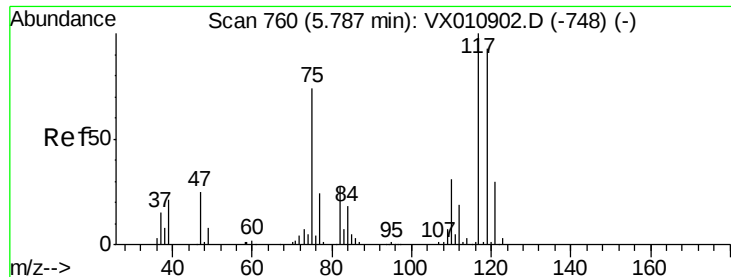


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

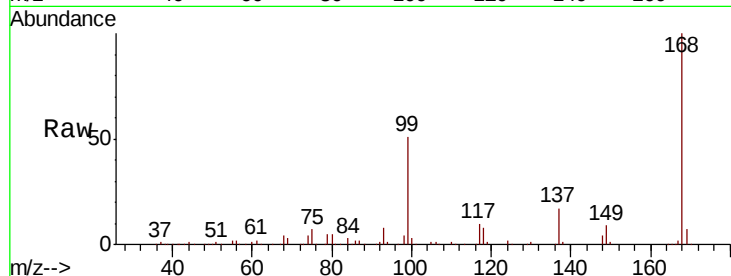




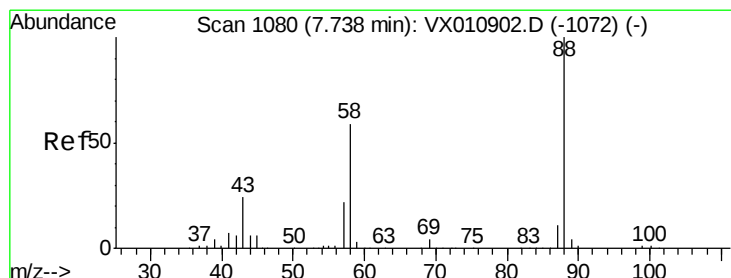
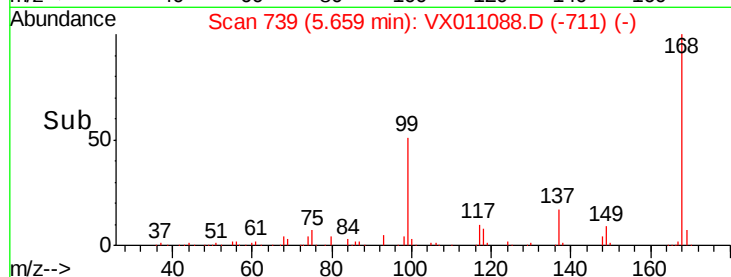
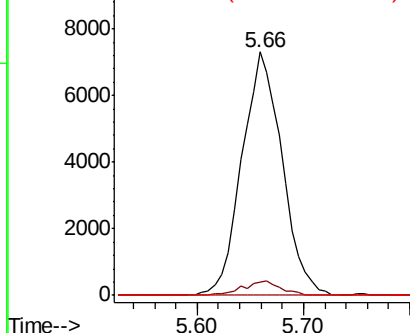
#38
Carbon Tetrachloride
Concen: 6.777 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX011088.D
Acq: 26 Jul 2019 14:15

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion:117 Resp: 19320
Ion Ratio Lower Upper
117 100
119 5.4 74.2 111.2#
121 0.0 24.2 36.2#

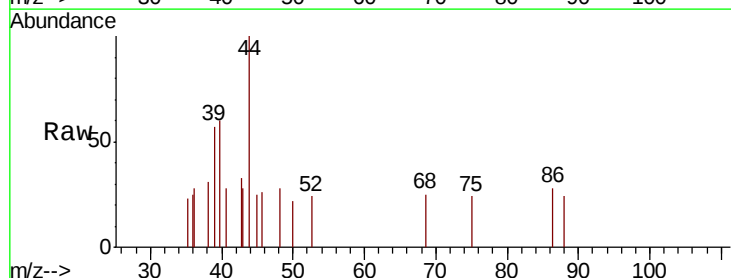


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

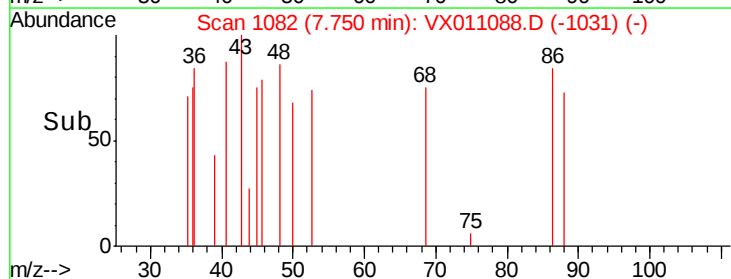
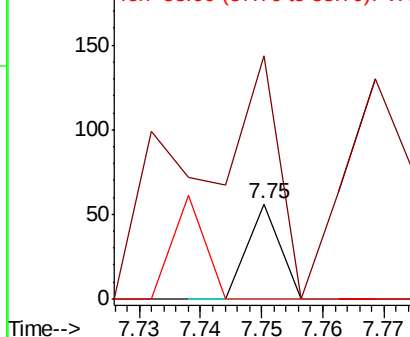


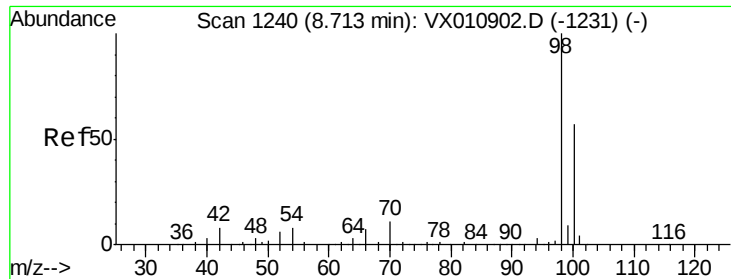
#49
1,4-Dioxane
Concen: 0.319 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX011088.D
Acq: 26 Jul 2019 14:15

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 865.0 22.9 34.3#
58 0.0 49.8 74.8#



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: 50.282 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampled :

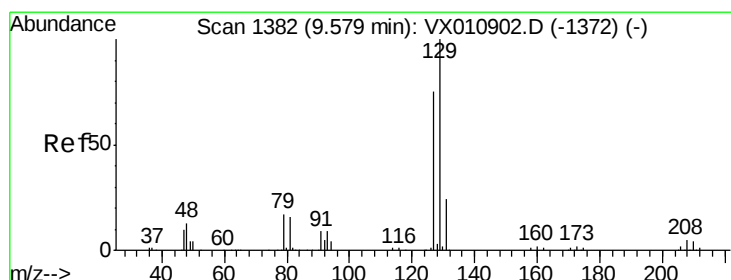
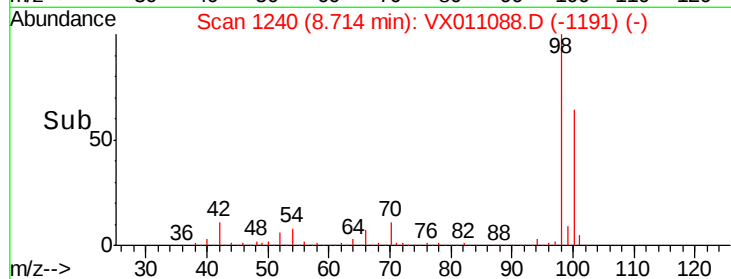
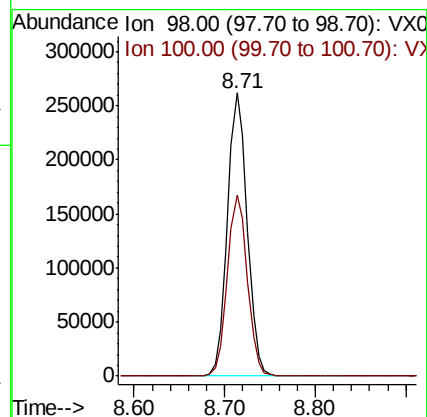
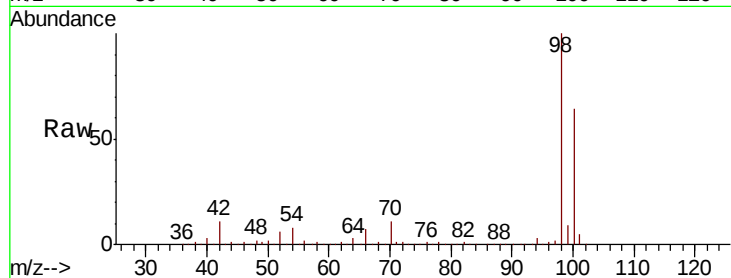
MW-1

Tot Ion: 98 Resp: 398707

Ion Ratio Lower Upper

98 100

100 64.6 50.6 75.8



#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.63 min Scan# 1390

Delta R.T. 0.05 min

Lab File: VX011088.D

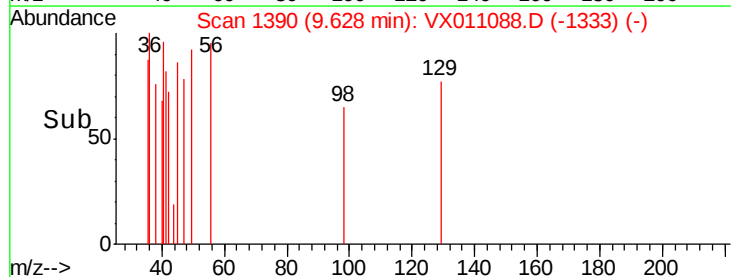
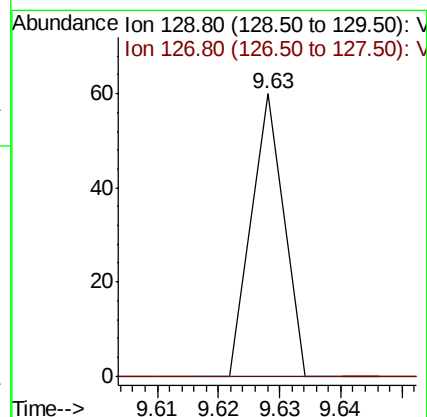
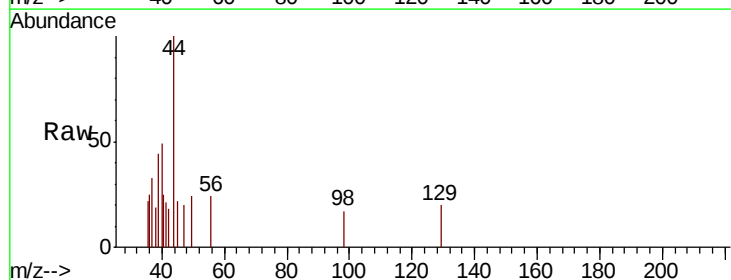
Acq: 26 Jul 2019 14:15

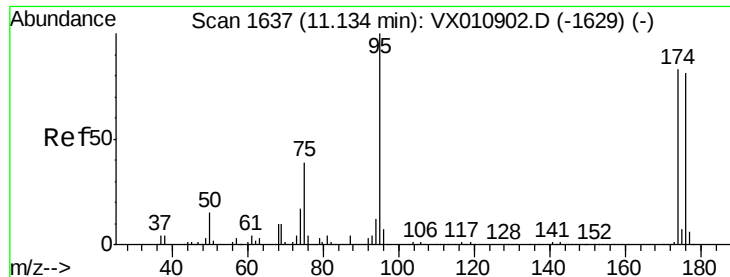
Tgt Ion: 129 Resp: 22

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 47.781 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

MW-1

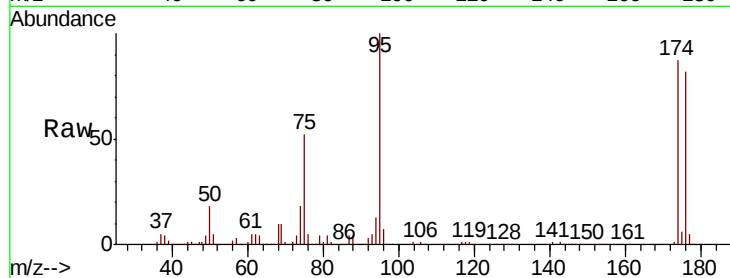
Tot Ion: 95 Resp: 139263

Ion Ratio Lower Upper

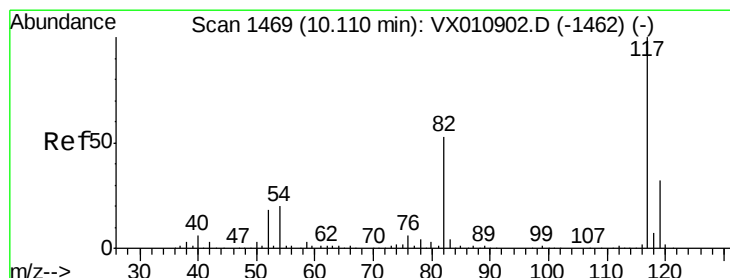
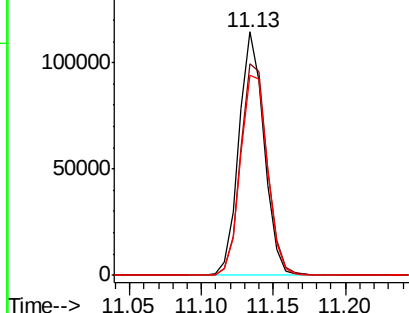
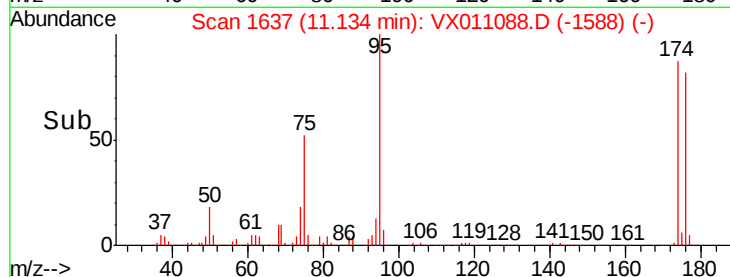
95 100

174 91.8 0.0 180.6

176 88.1 0.0 173.8



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: VX011088.D

Acq: 26 Jul 2019 14:15

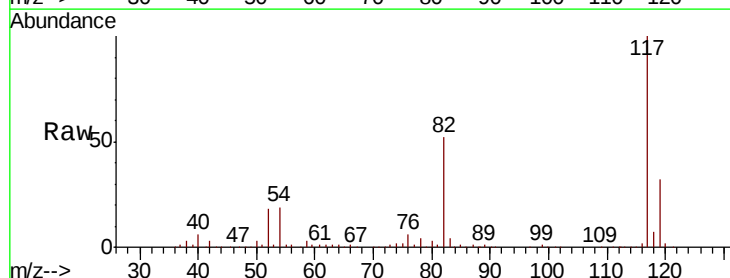
Tgt Ion: 117 Resp: 307269

Ion Ratio Lower Upper

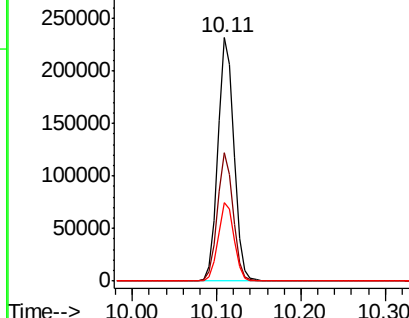
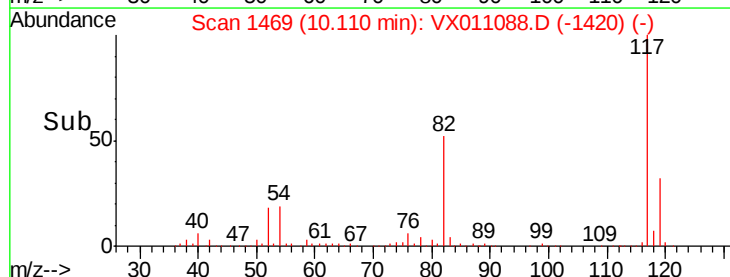
117 100

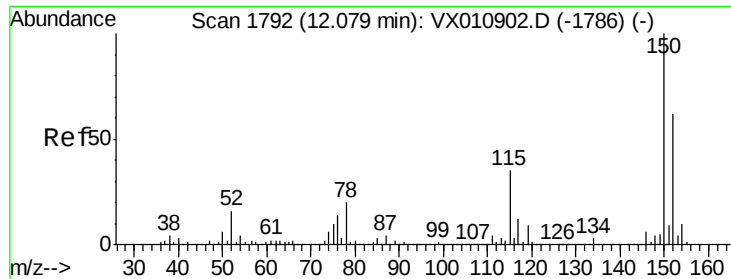
82 52.5 42.6 63.8

119 32.4 25.9 38.9



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: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampled :

MW-1

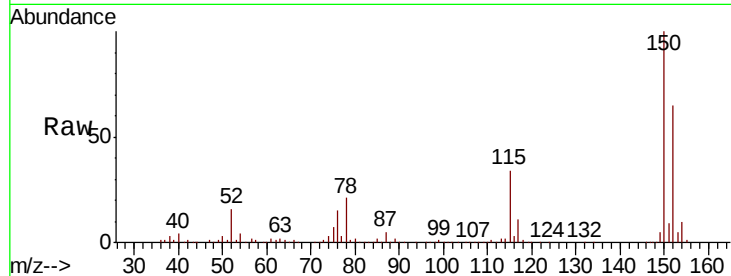
Tot Ion:152 Resp: 143352

Ion Ratio Lower Upper

152 100

115 55.5 39.7 119.1

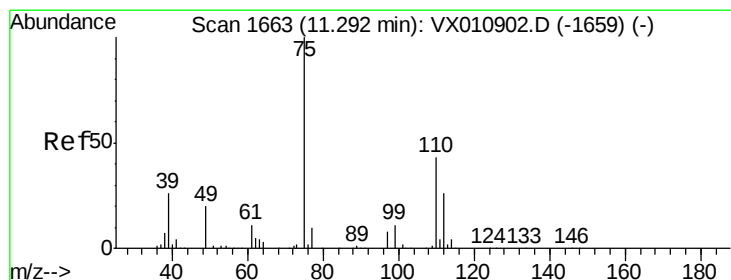
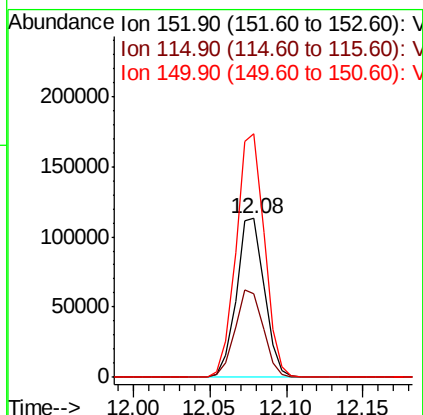
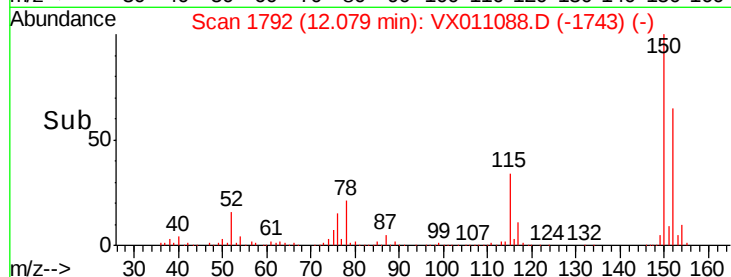
150 155.0 0.0 345.6



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: 27.488 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011088.D

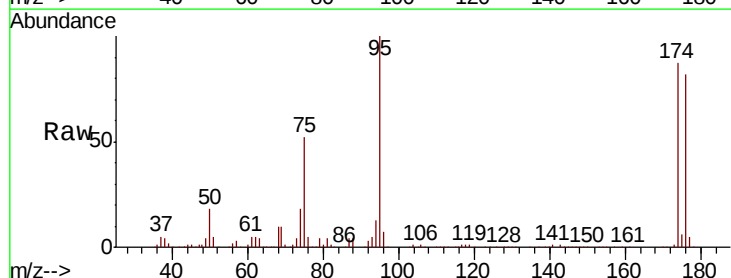
Acq: 26 Jul 2019 14:15

Tgt Ion: 75 Resp: 71108

Ion Ratio Lower Upper

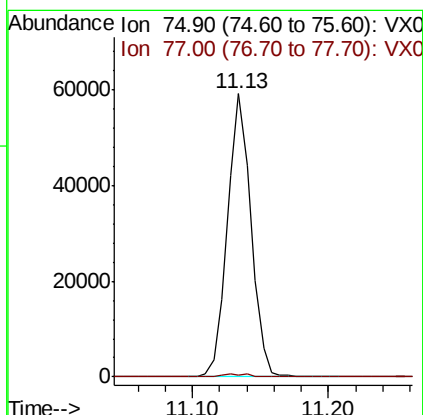
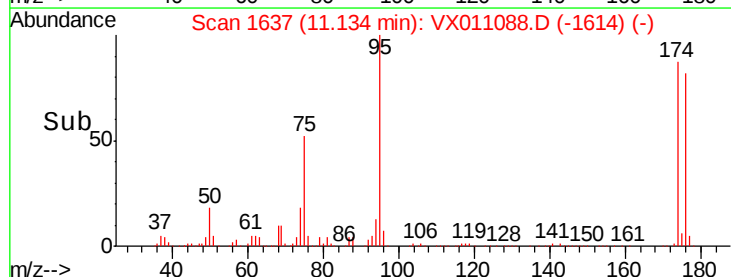
75 100

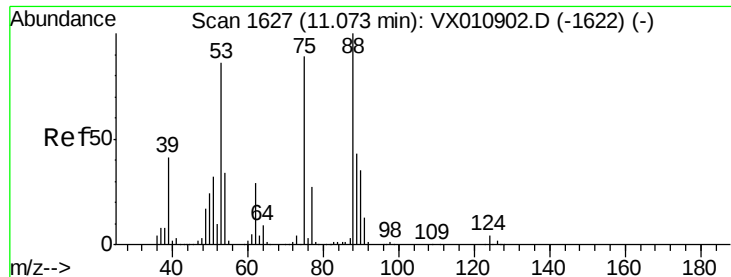
77 1.3 21.3 64.0#



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: 68.079 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011088.D

Acq: 26 Jul 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tot Ion: 75 Resp: 71108

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#

