

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010080.D
 Acq On : 05 Jun 2019 16:28
 Operator : JC/SP
 Sample : K3190-12 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:33:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	170513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112369	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	111645	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	5.50	113	82760	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	346570	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	117495	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

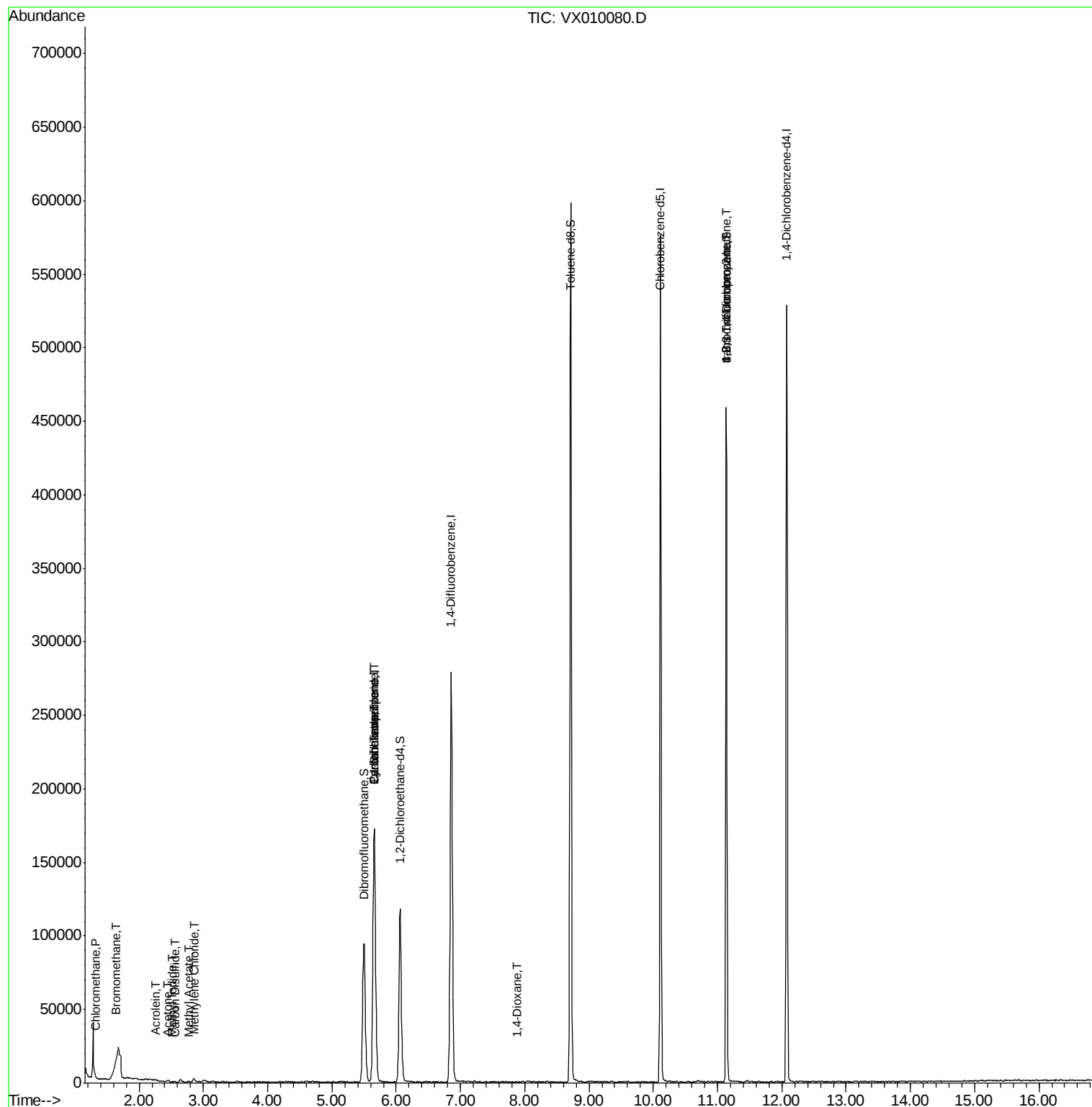
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	634	0.226	ug/l	89
5) Bromomethane	1.64	94	571	0.373	ug/l	95
10) Methyl Iodide	2.51	142	101	4.701	ug/l #	42
13) Acrolein	2.25	56	20	21.140	ug/l #	1
16) Acetone	2.45	43	961	0.691	ug/l #	83
17) Carbon Disulfide	2.56	76	377	0.456	ug/l #	76
18) Methyl Acetate	2.77	43	661	0.204	ug/l #	66
20) Methylene Chloride	2.85	84	993	0.466	ug/l #	71
31) Cyclohexane	5.65	56	3605	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13176	4.804	ug/l #	50
38) Carbon Tetrachloride	5.66	117	15585	6.575	ug/l #	16
49) 1,4-Dioxane	7.88	88	19	0.335	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60914	22.669	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60914	56.087	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

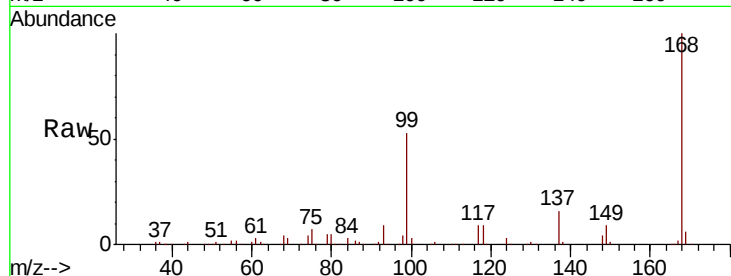
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 170513

Ion Ratio Lower Upper

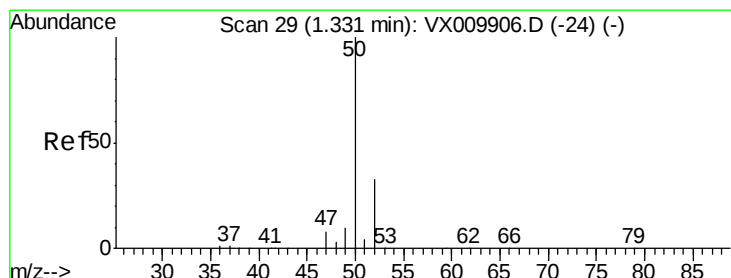
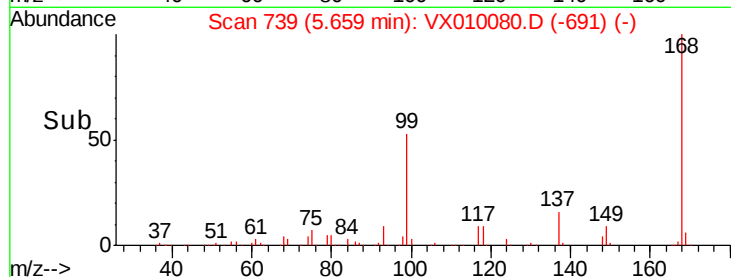
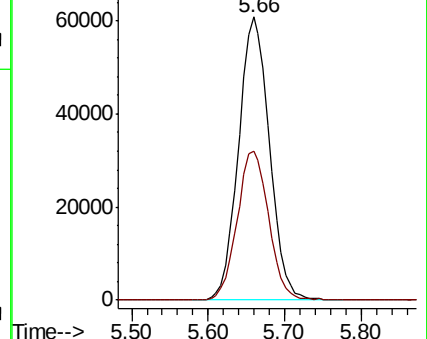
168 100

99 52.6 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: 0.226 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010080.D

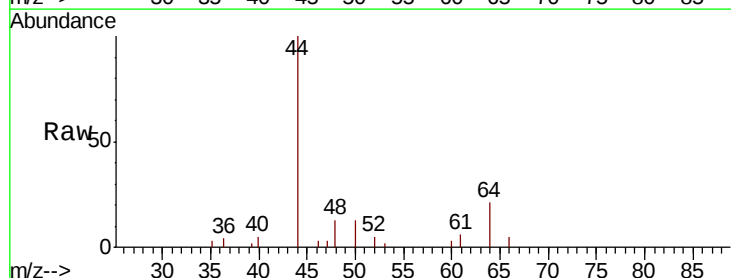
Acq: 05 Jun 2019 16:28

Tgt Ion: 50 Resp: 634

Ion Ratio Lower Upper

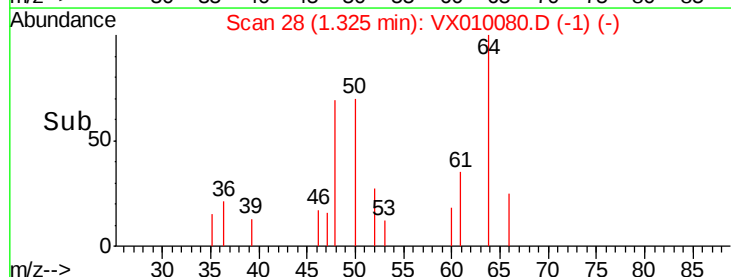
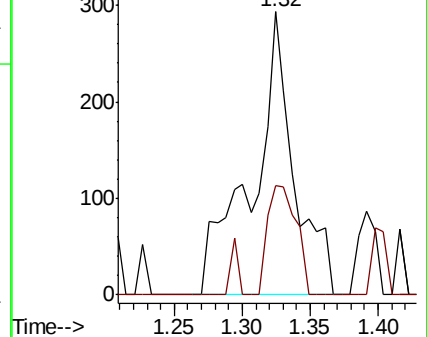
50 100

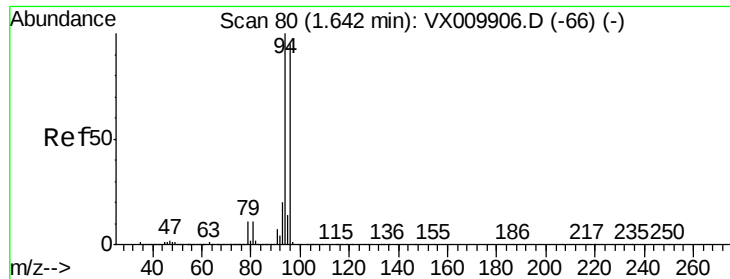
52 38.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

Instrument :

MSVOA_X

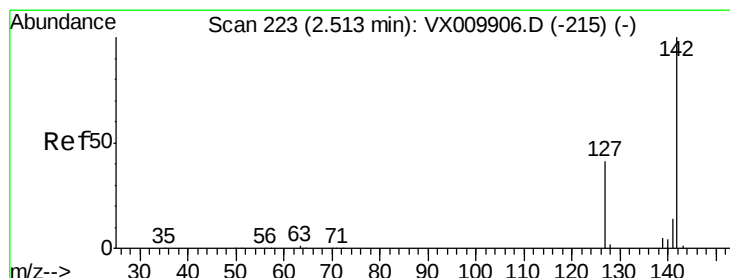
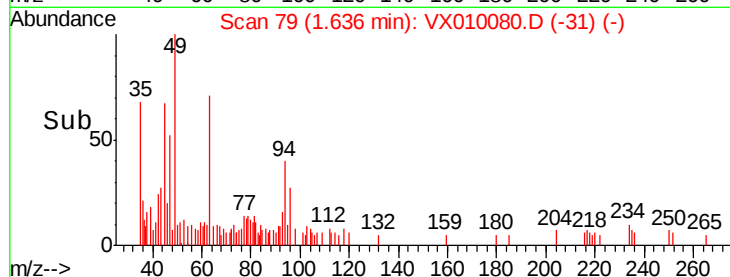
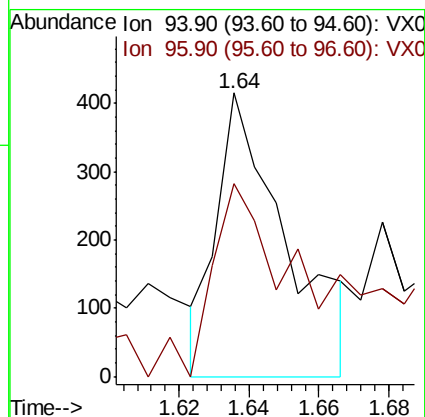
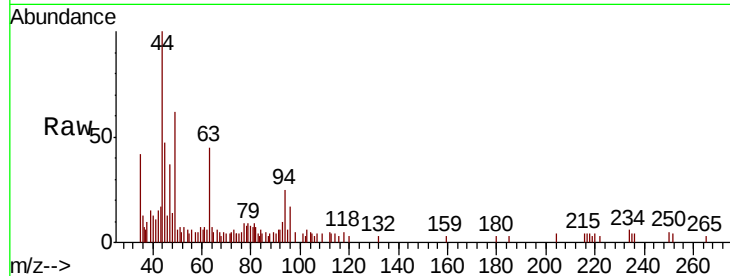
ClientSampled :

Tot Ion: 94 Resp: 571

Ion Ratio Lower Upper

94 100

96 90.7 76.2 114.4



#10

Methyl Iodide

Concen: 4.701 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

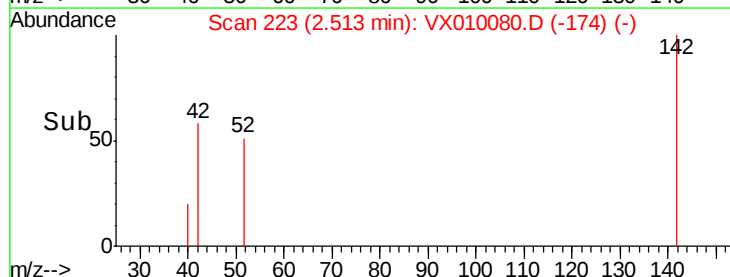
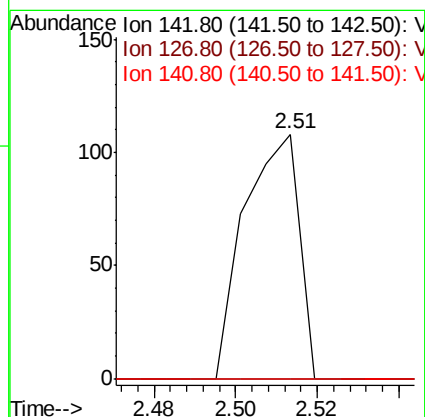
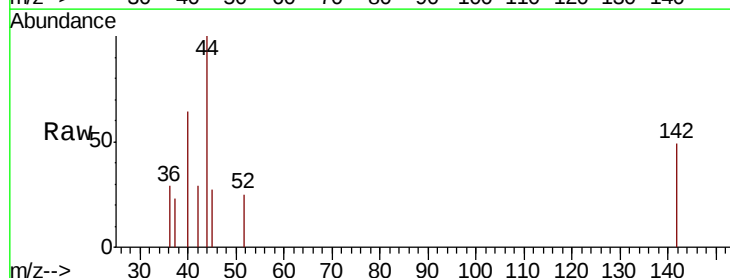
Tgt Ion:142 Resp: 101

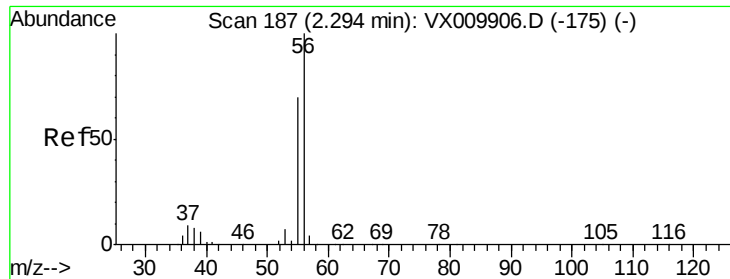
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

141 0.0 11.4 17.0#





#13

Acrolein

Concen: 21.140 ug/l

RT: 2.25 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

Instrument :

MSVOA_X

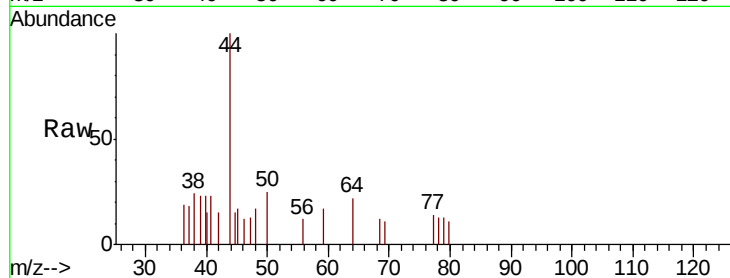
ClientSampled :

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

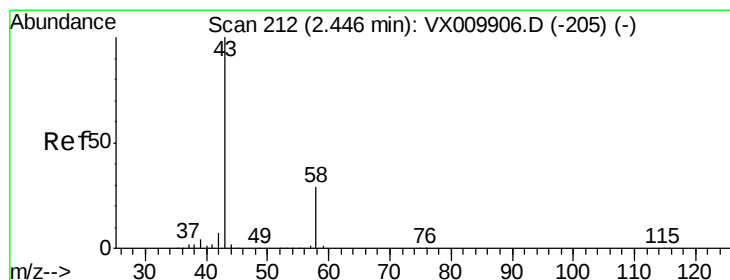
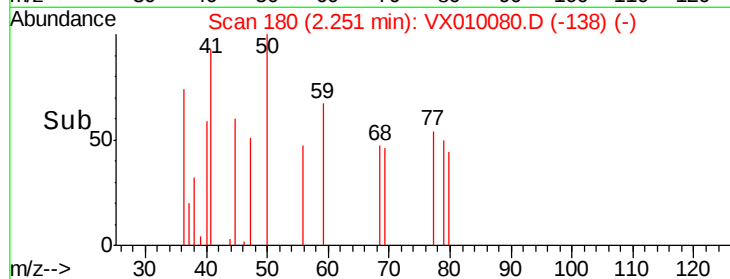
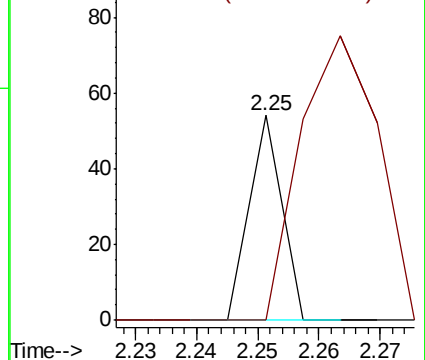
56 100

55 330.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.691 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010080.D

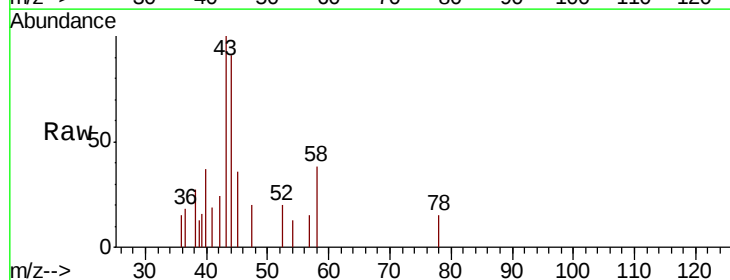
Acq: 05 Jun 2019 16:28

Tgt Ion: 43 Resp: 961

Ion Ratio Lower Upper

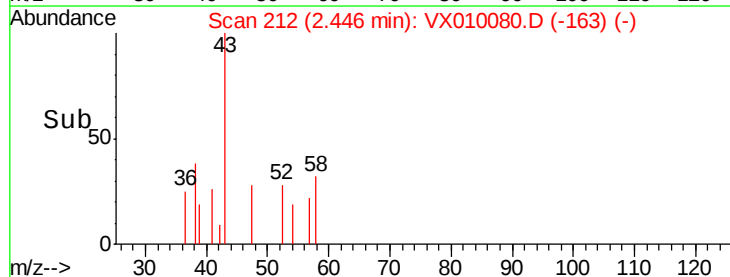
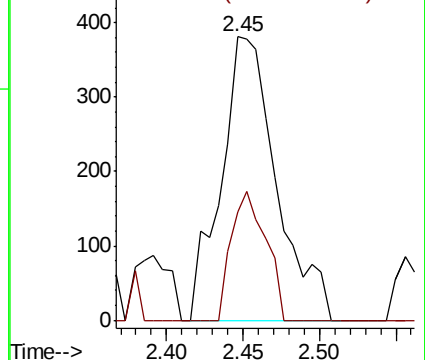
43 100

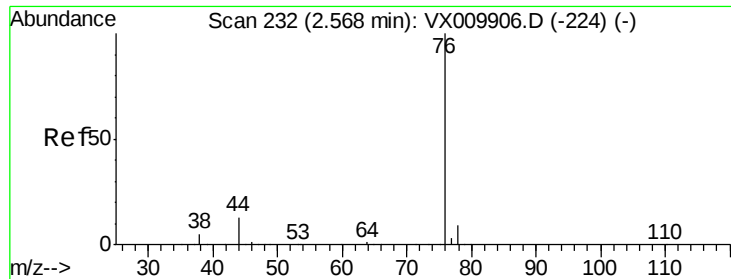
58 38.1 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

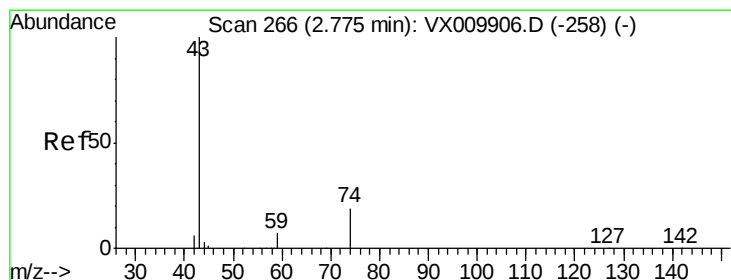
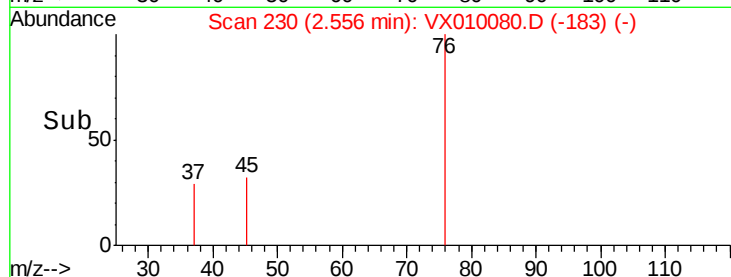
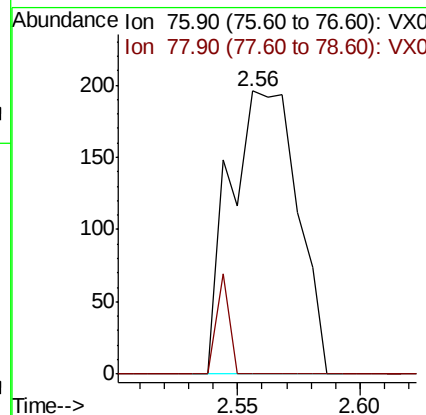
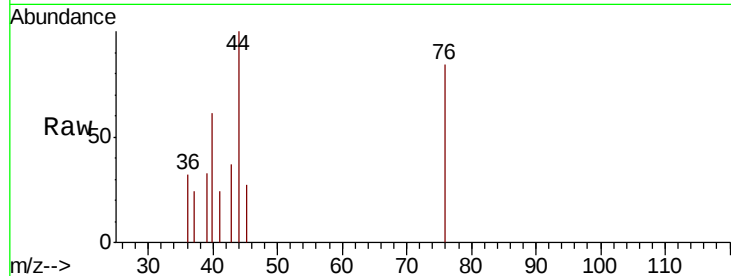




#17
Carbon Disulfide
Concen: 0.456 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX010080.D
Acq: 05 Jun 2019 16:28

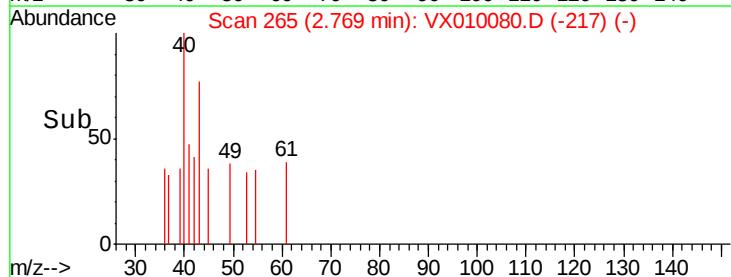
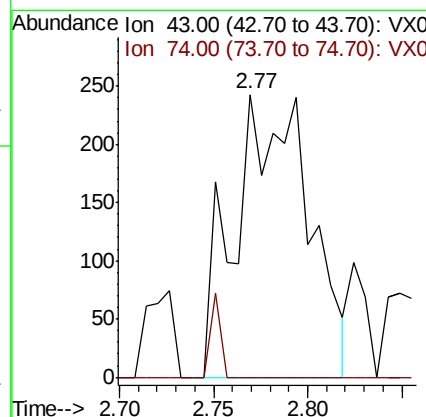
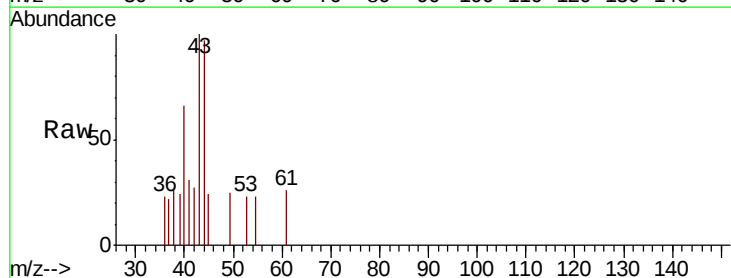
Instrument :
MSVOA_X
ClientSampled :

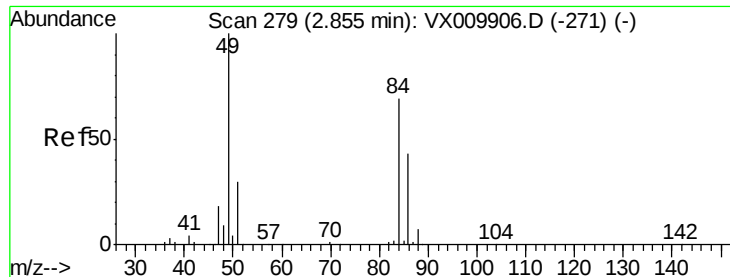
Tot Ion: 76 Resp: 377
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.204 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010080.D
Acq: 05 Jun 2019 16:28

Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
74 3.9 15.8 23.6#

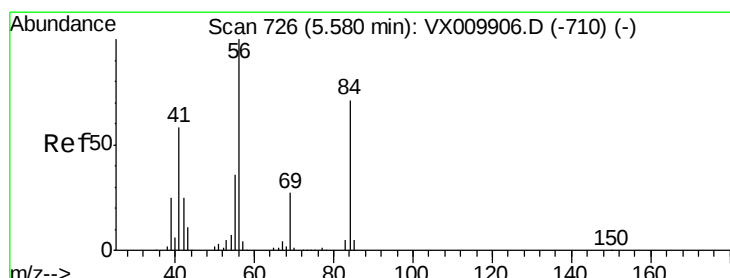
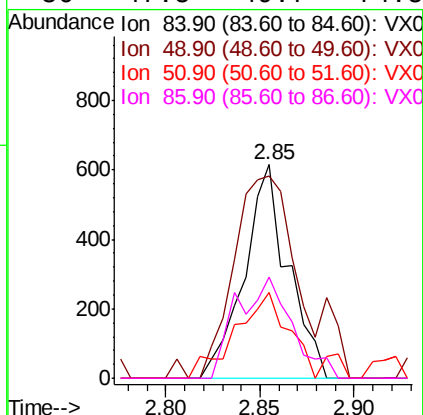
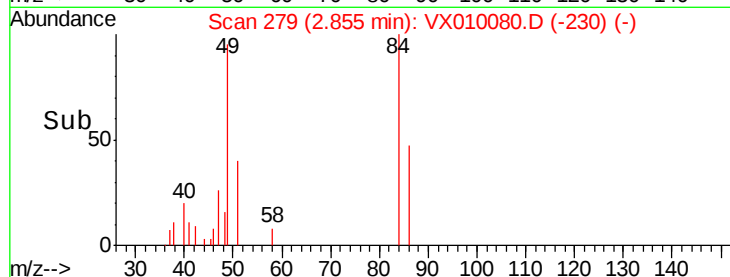
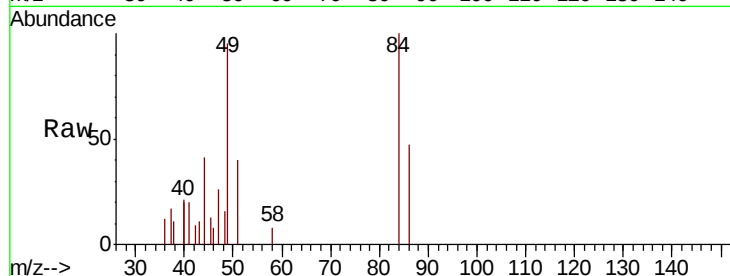




#20
Methvlene Chloride
Concen: 0.466 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010080.D
Acq: 05 Jun 2019 16:28

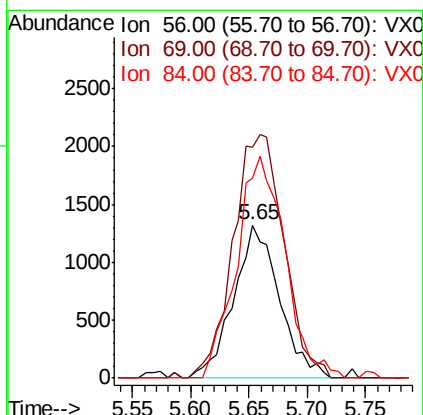
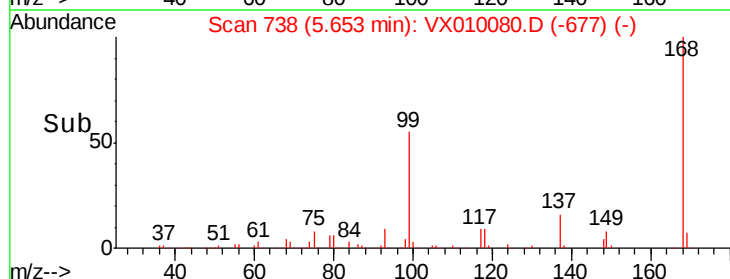
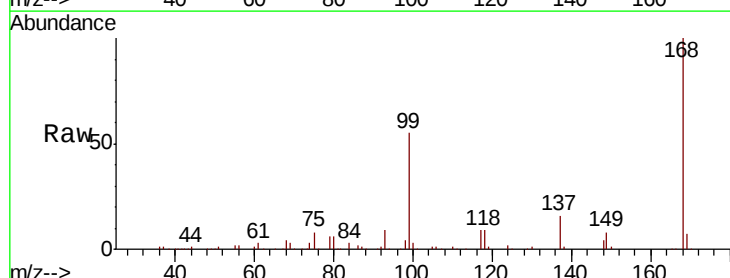
Instrument :
MSVOA_X
ClientSampleId :

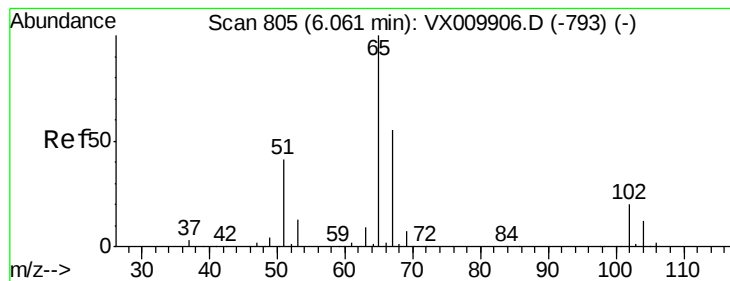
Tot Ion: 84 Resp: 993
Ion Ratio Lower Upper
84 100
49 95.0 115.8 173.6#
51 40.2 34.4 51.6
86 47.5 49.7 74.5#



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010080.D
Acq: 05 Jun 2019 16:28

Tgt Ion: 56 Resp: 3605
Ion Ratio Lower Upper
56 100
69 150.6 21.6 32.4#
84 130.9 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 46.352 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

Instrument :

MSVOA_X

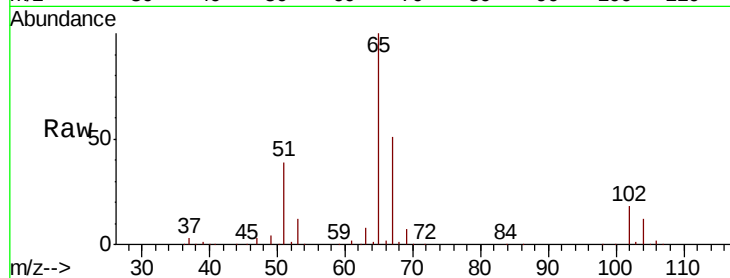
ClientSampleId :

Tot Ion: 65 Resp: 111645

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

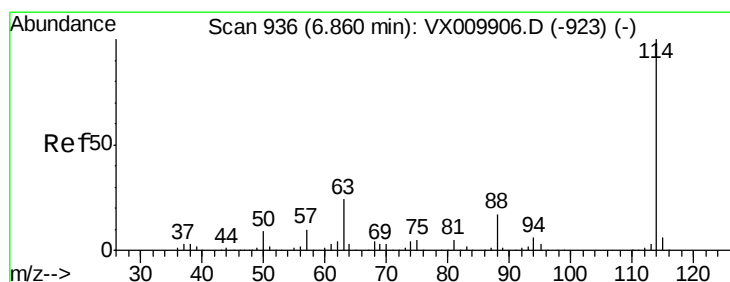
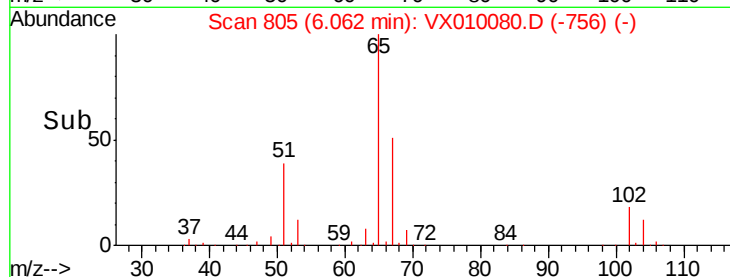
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

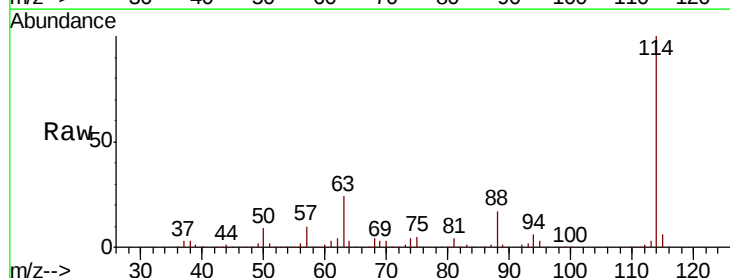
Tgt Ion: 114 Resp: 270339

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.4

88 16.8 0.0 33.0



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

6.85

150000

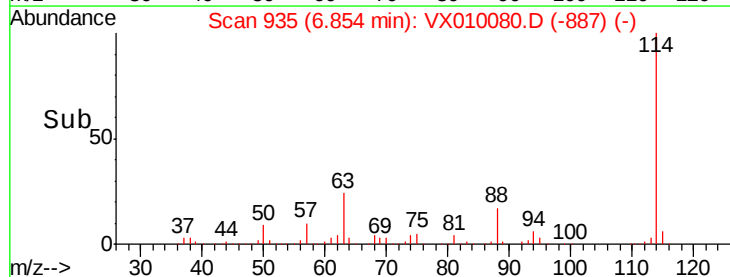
100000

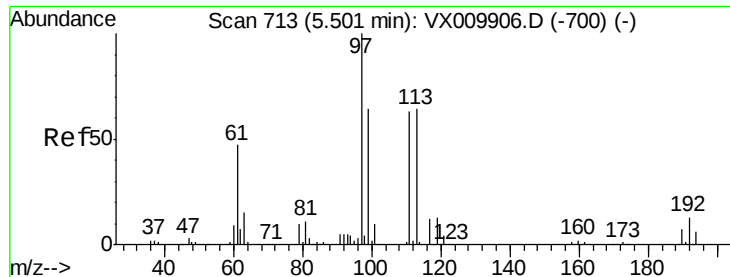
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.693 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

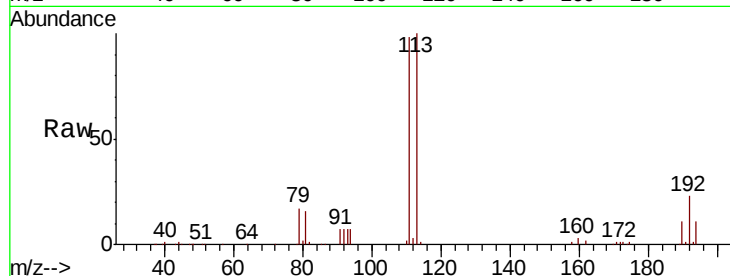
Tot Ion:113 Resp: 82760

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.2

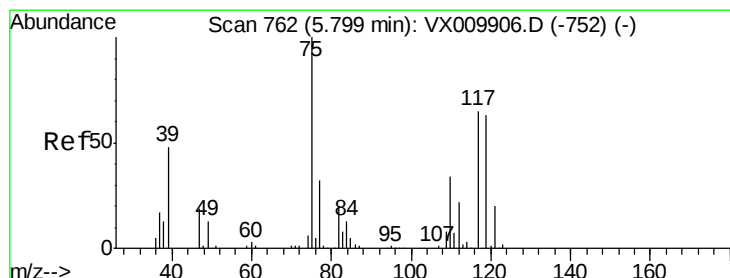
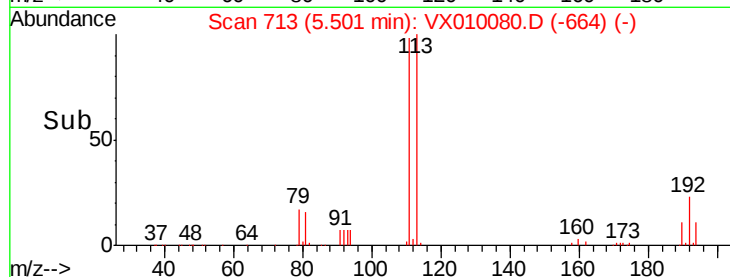
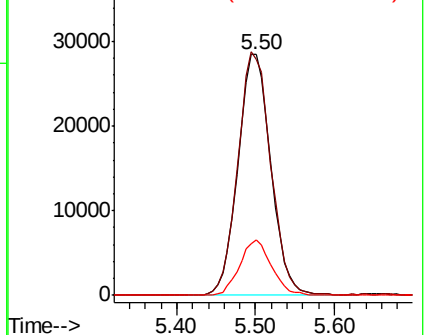
192 22.1 17.1 25.7



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: 4.804 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

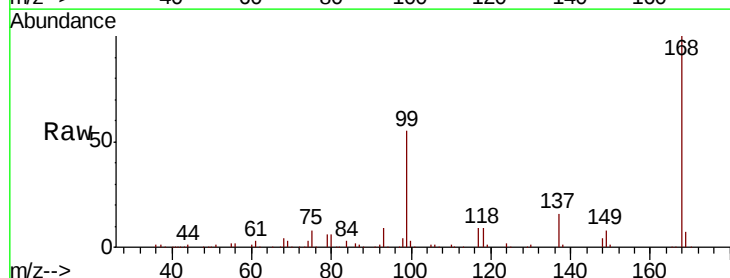
Tgt Ion: 75 Resp: 13176

Ion Ratio Lower Upper

75 100

110 8.6 16.7 50.1#

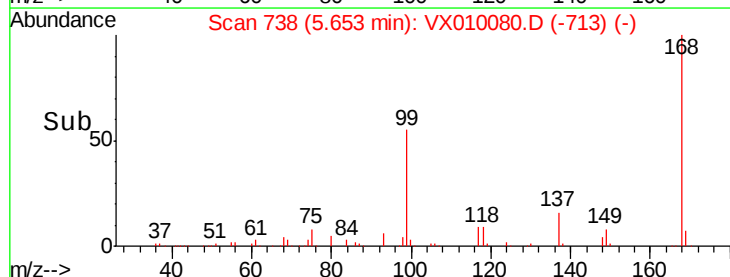
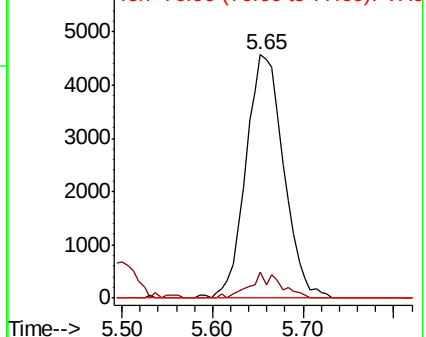
77 0.0 25.0 37.4#

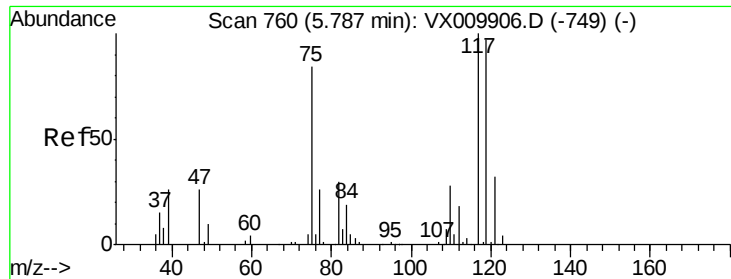


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.575 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

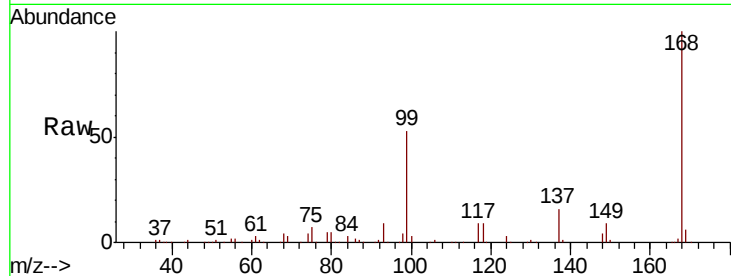
Tot Ion:117 Resp: 15585

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

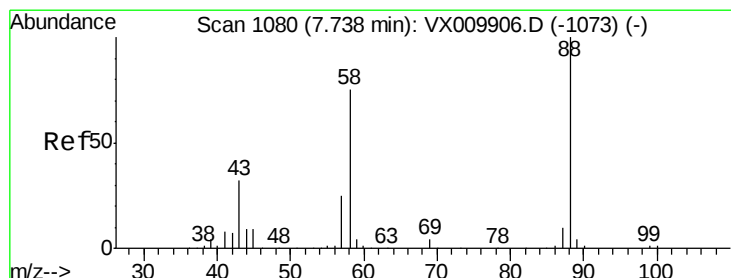
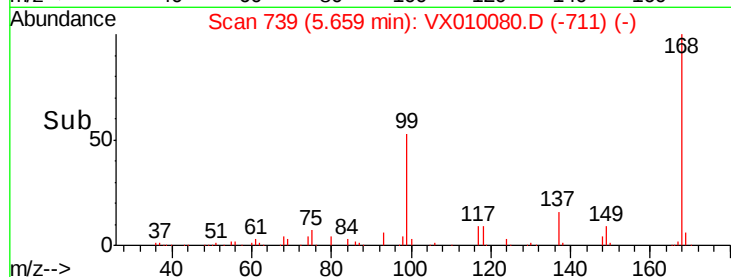
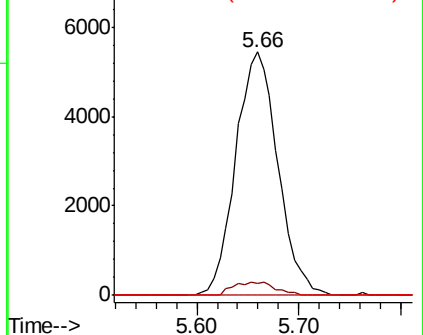
121 0.0 25.4 38.0#



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: 0.335 ug/l

RT: 7.88 min Scan# 1104

Delta R.T. 0.15 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

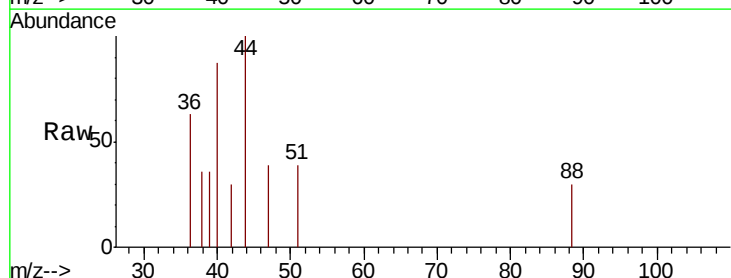
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 289.5 30.2 45.4#

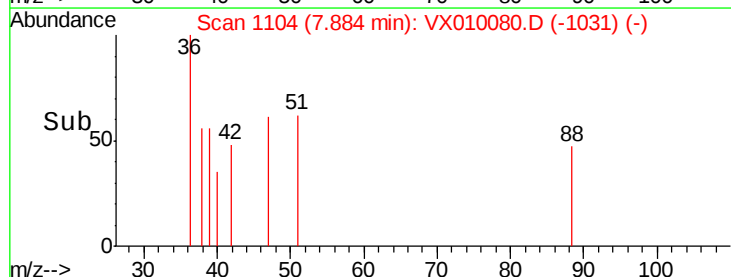
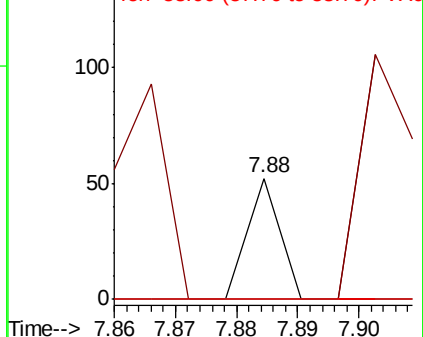
58 0.0 64.0 96.0#

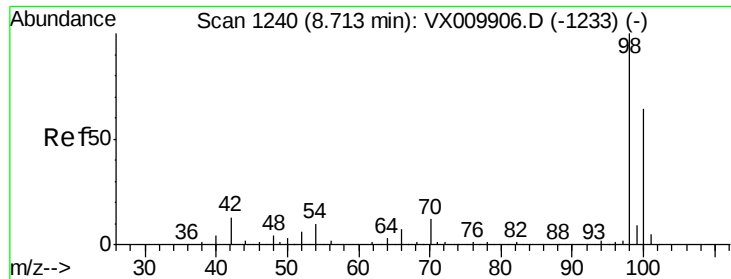


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.214 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

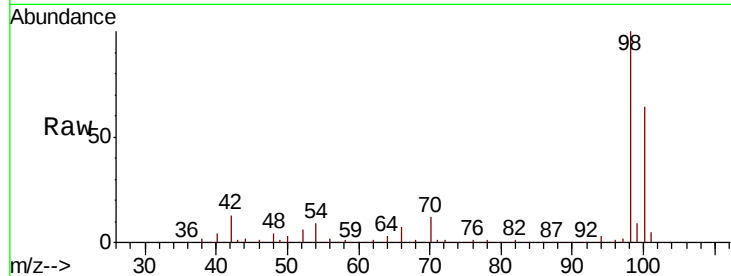
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 346570

Ion Ratio Lower Upper

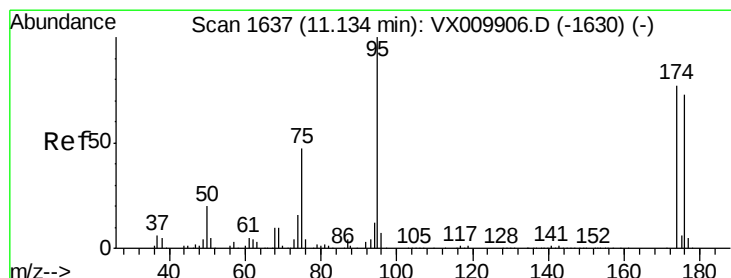
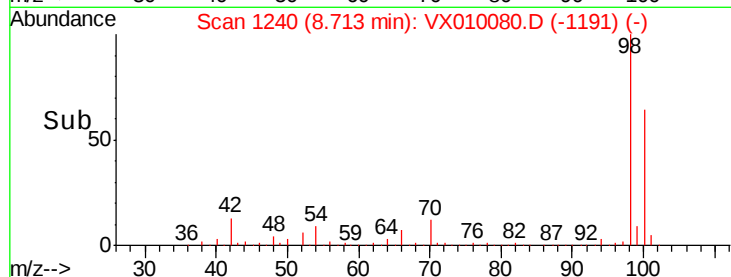
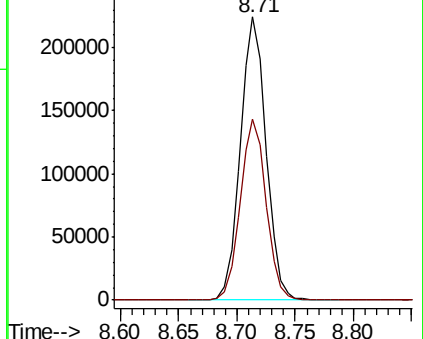
98 100

100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.396 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

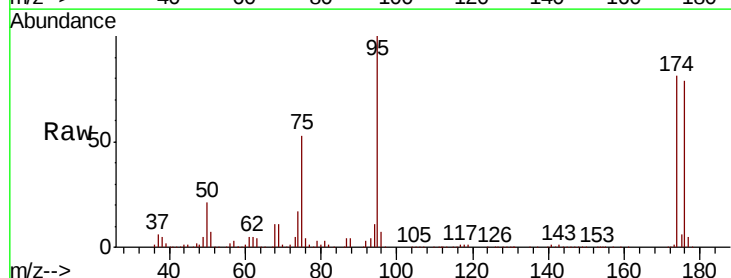
Tgt Ion: 95 Resp: 117495

Ion Ratio Lower Upper

95 100

174 85.1 0.0 160.4

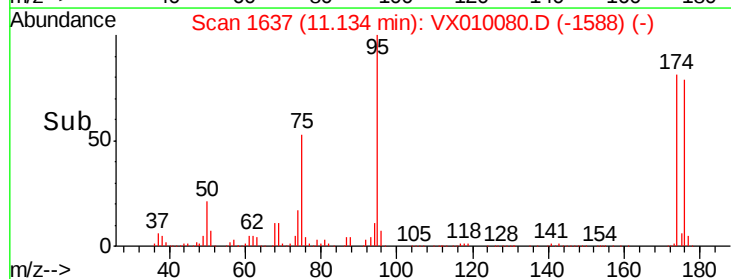
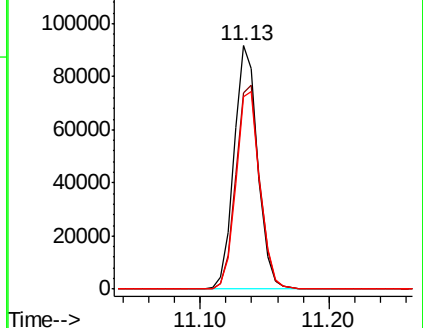
176 82.2 0.0 154.6

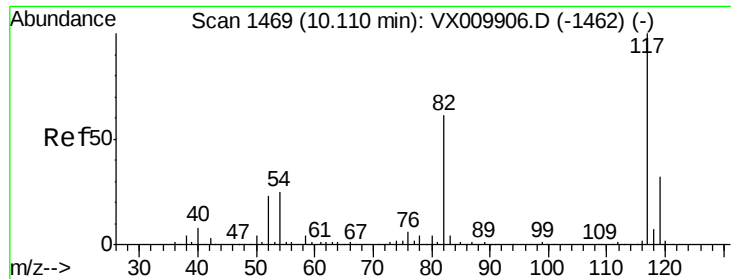


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

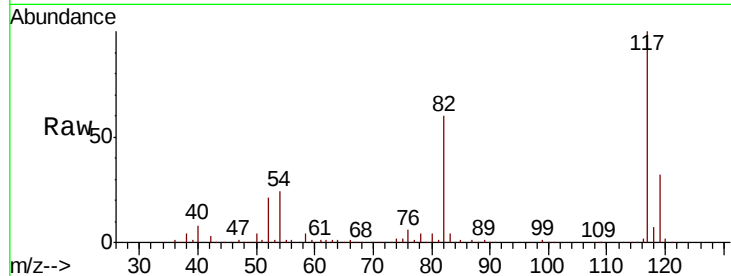




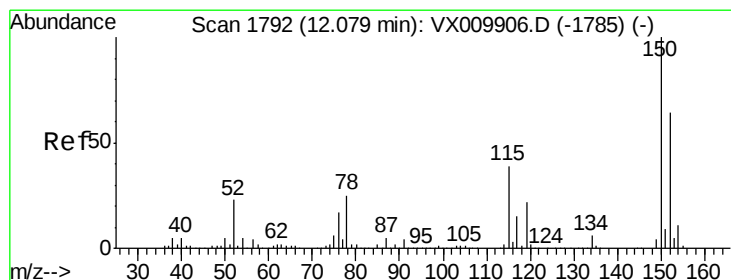
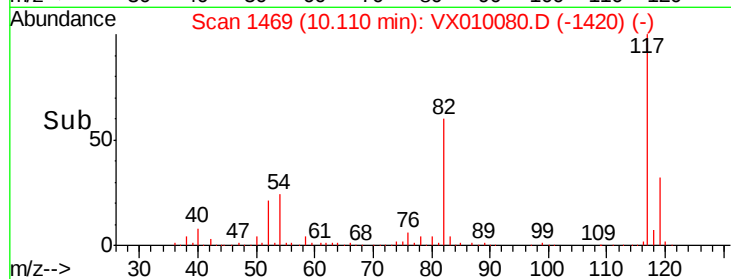
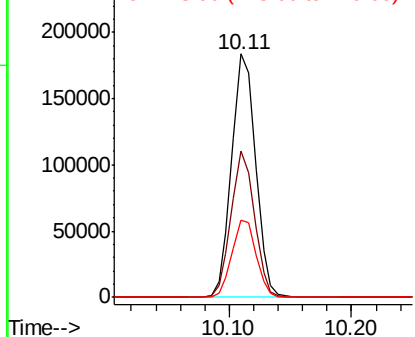
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010080.D
Acq: 05 Jun 2019 16:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 248879
Ion Ratio Lower Upper
117 100
82 60.3 49.2 73.8
119 31.9 25.2 37.8

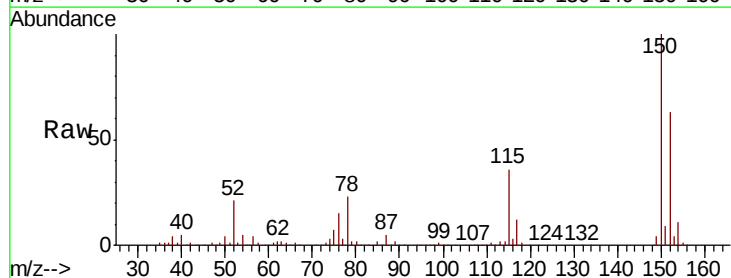


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

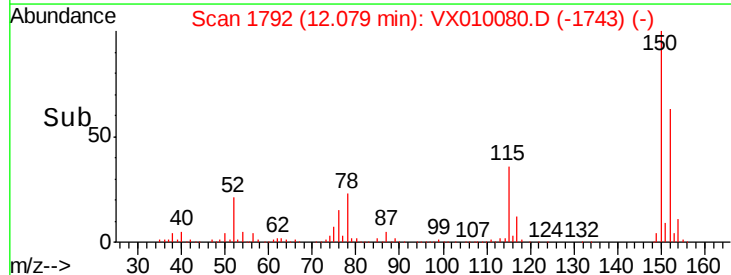
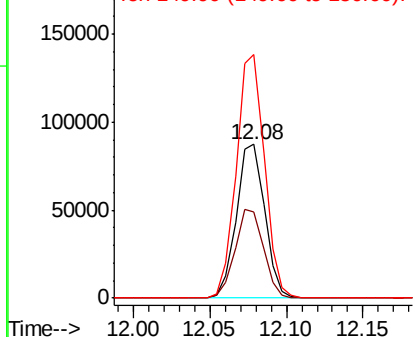


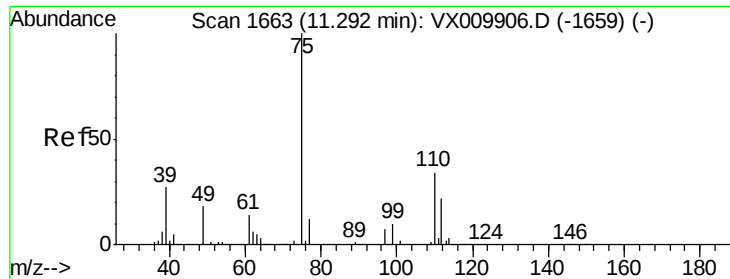
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010080.D
Acq: 05 Jun 2019 16:28

Tgt Ion:152 Resp: 112369
Ion Ratio Lower Upper
152 100
115 58.0 41.4 124.2
150 157.7 0.0 345.2



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: 22.669 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

Instrument :

MSVOA_X

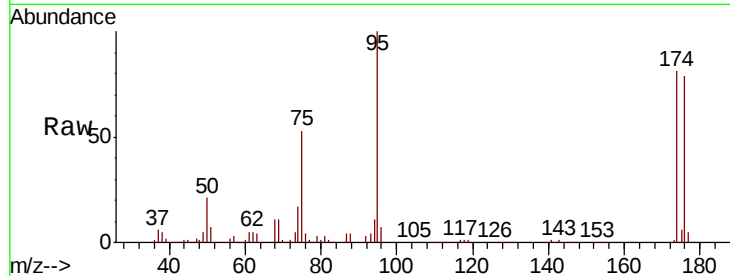
ClientSampleId :

Tot Ion: 75 Resp: 60914

Ion Ratio Lower Upper

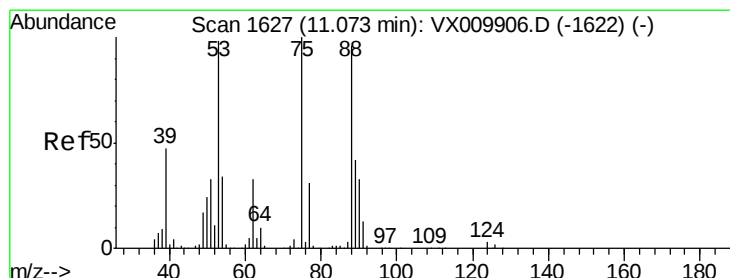
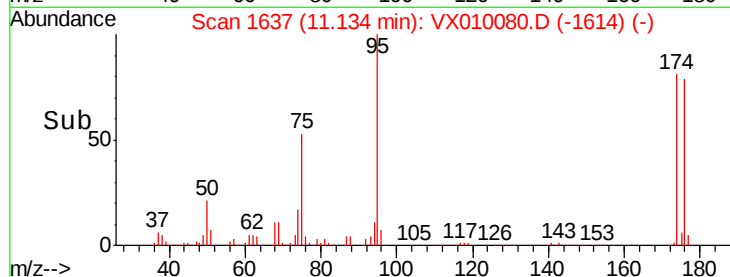
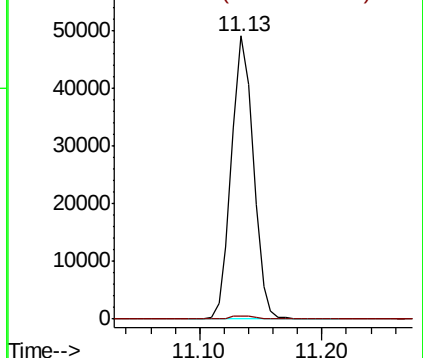
75 100

77 1.4 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: 56.087 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010080.D

Acq: 05 Jun 2019 16:28

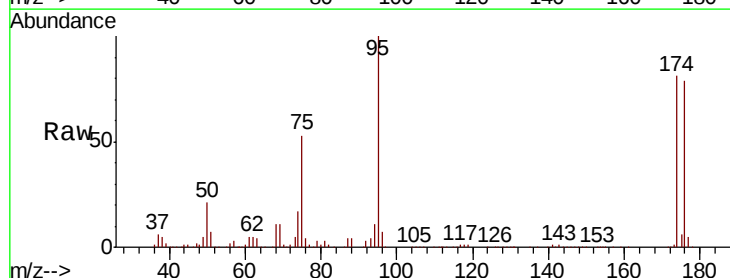
Tgt Ion: 75 Resp: 60914

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

