

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012952.D
 Acq On : 09 Oct 2019 18:52
 Operator : JC/SP
 Sample : K5260-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:39:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103377	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	115357	52.07	ug/l	0.00
Spiked Amount						
			Recovery	=	104.14%	
35) Dibromofluoromethane	5.49	113	88517	51.96	ug/l	0.00
Spiked Amount						
			Recovery	=	103.92%	
50) Toluene-d8	8.71	98	345659	52.02	ug/l	0.00
Spiked Amount						
			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.14	95	121345	47.00	ug/l	0.00
Spiked Amount						
			Recovery	=	94.00%	

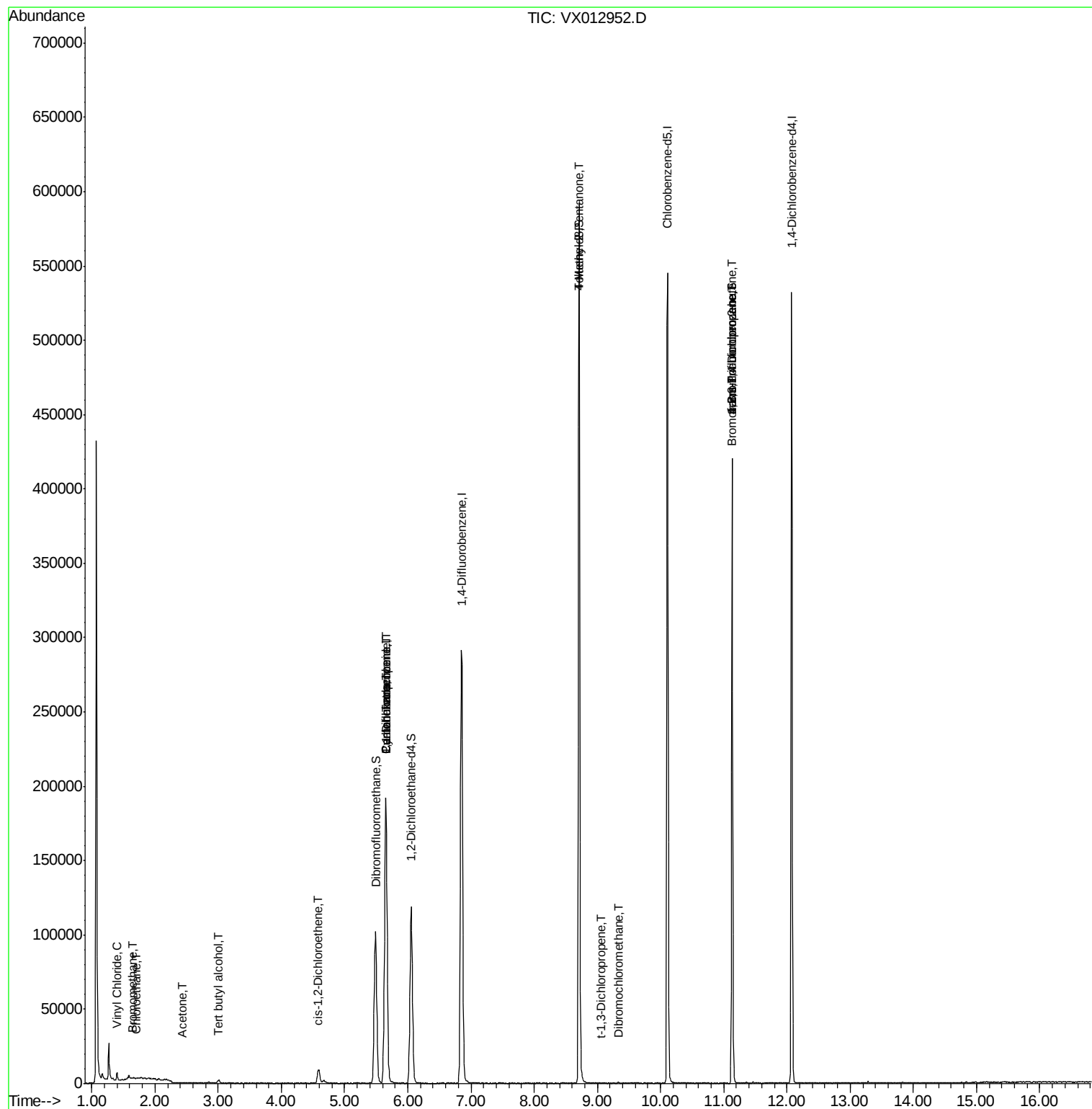
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3127	1.541	ug/l	91
5) Bromomethane	1.64	94	264	0.313	ug/l	98
6) Chloroethane	1.70	64	202	0.529	ug/l #	43
11) Tert butyl alcohol	3.01	59	1504	2.561	ug/l #	72
16) Acetone	2.43	43	311	0.266	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	6410	2.896	ug/l	86
31) Cyclohexane	5.65	56	3850	1.197	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13989	5.361	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18422	7.253	ug/l #	18
51) 4-Methyl-2-Pentanone	8.71	43	1590	0.545	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	21	2.175	ug/l #	42
60) Dibromochloromethane	9.32	129	46	1.877	ug/l #	10
71) Bromoform	11.12	173	123	3.209	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	60452	26.365	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	60452	66.343	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

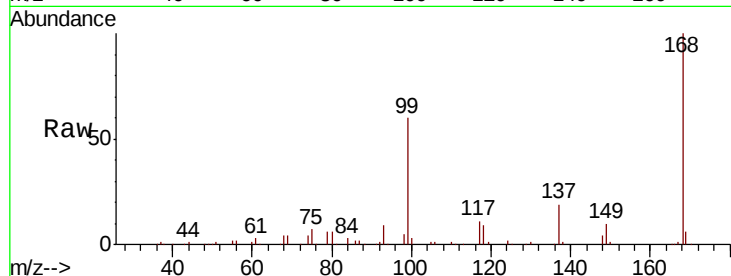
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 177261

Ion Ratio Lower Upper

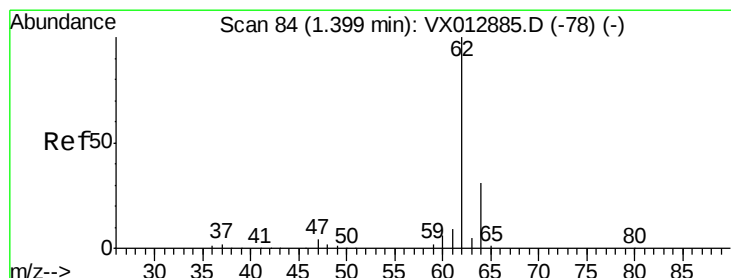
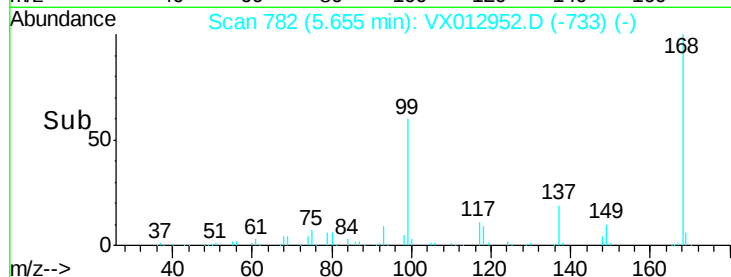
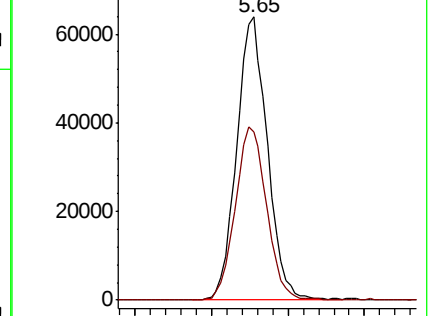
168 100

99 59.6 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.541 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012952.D

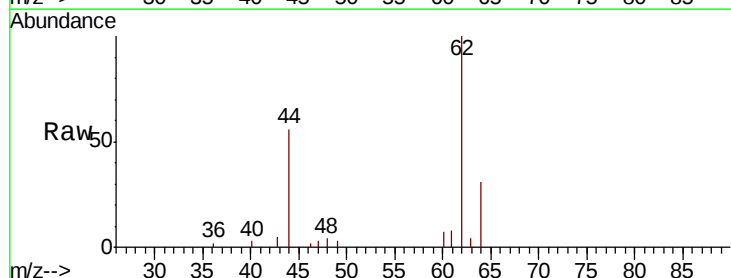
Acq: 09 Oct 2019 18:52

Tgt Ion: 62 Resp: 3127

Ion Ratio Lower Upper

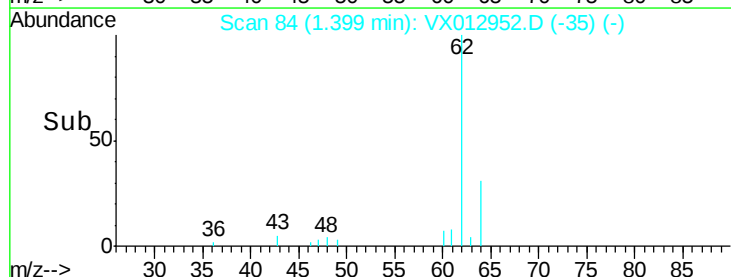
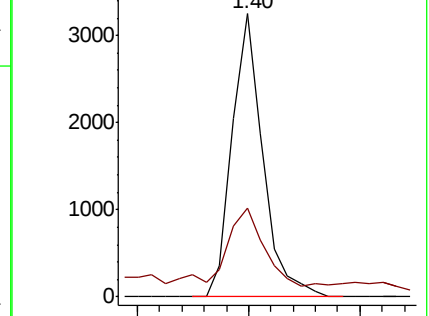
62 100

64 26.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

Instrument :

MSVOA_X

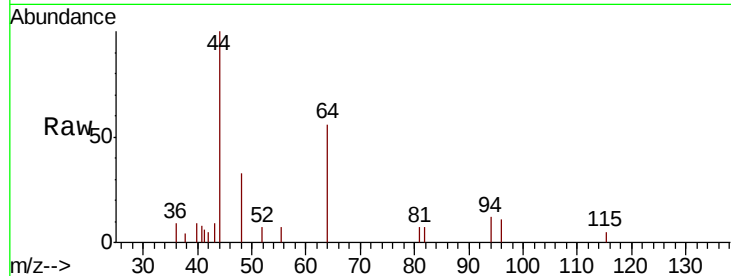
ClientSampleId :

Tot Ion: 94 Resp: 264

Ion Ratio Lower Upper

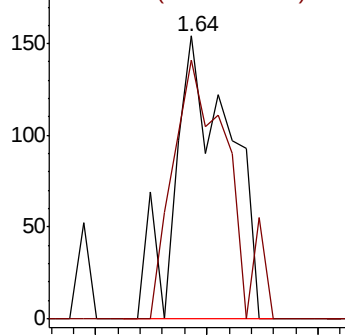
94 100

96 91.6 74.7 112.1

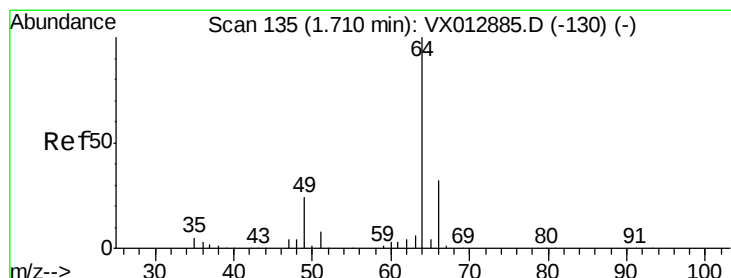
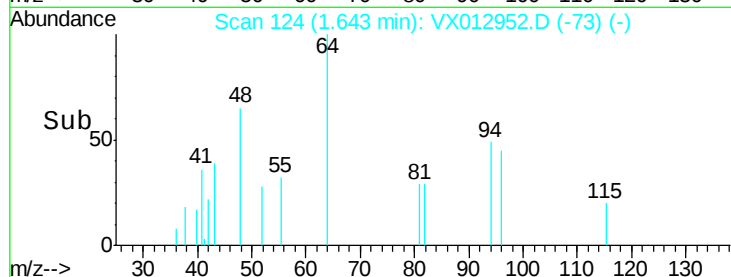


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.529 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012952.D

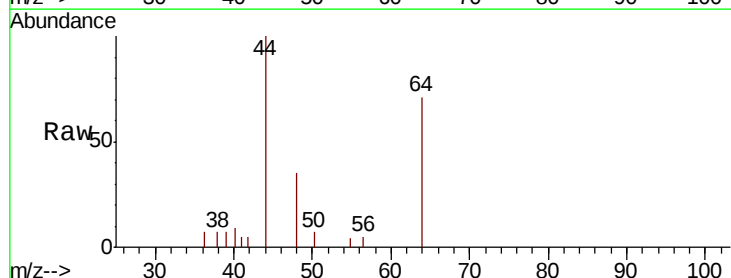
Acq: 09 Oct 2019 18:52

Tgt Ion: 64 Resp: 202

Ion Ratio Lower Upper

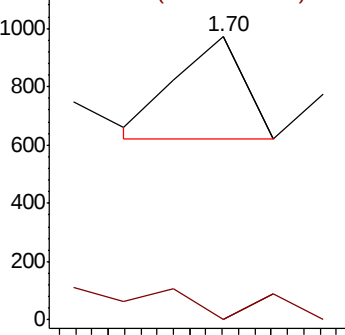
64 100

66 0.0 25.6 38.4#

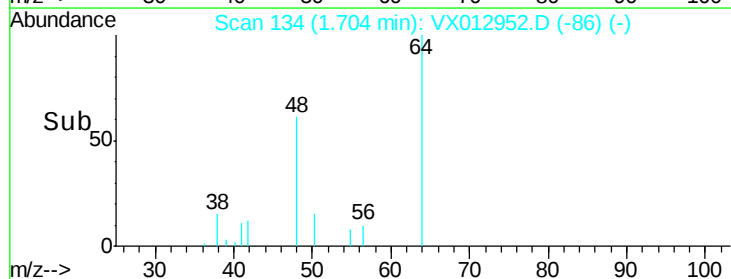


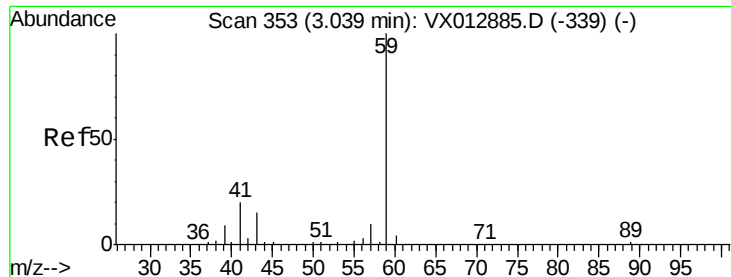
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

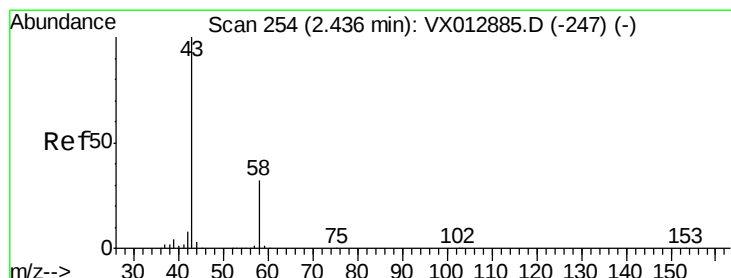
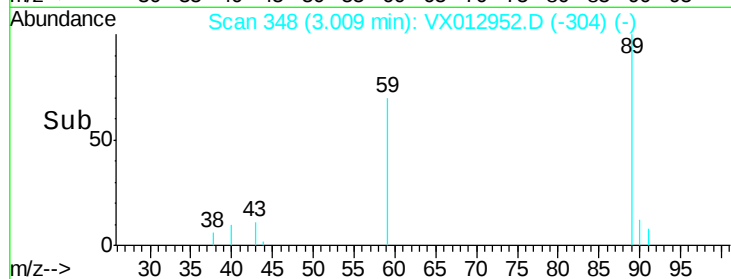
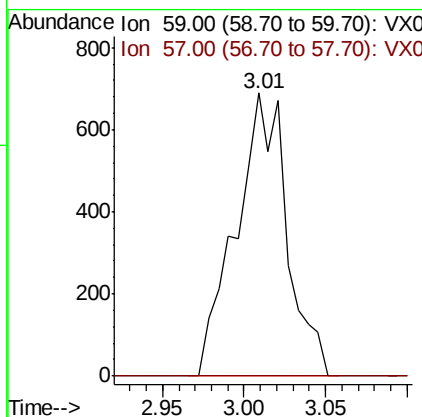
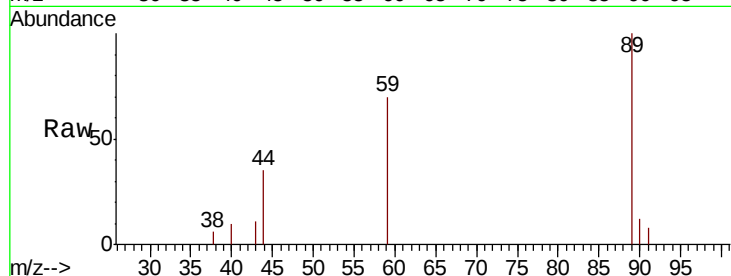




#11
Tert butyl alcohol
Concen: 2.561 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

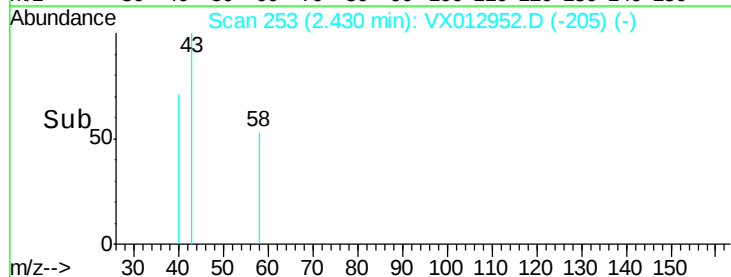
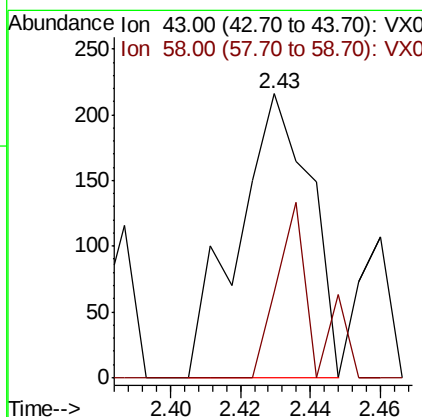
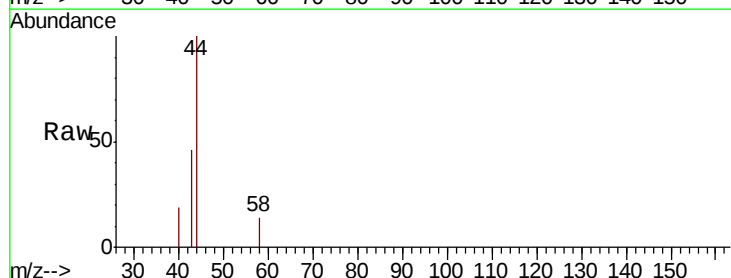
Instrument :
MSVOA_X
ClientSampleId :

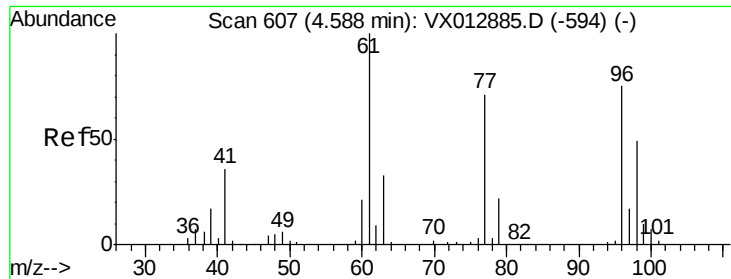
Tot Ion: 59 Resp: 1504
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.266 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
58 30.1 25.4 38.2



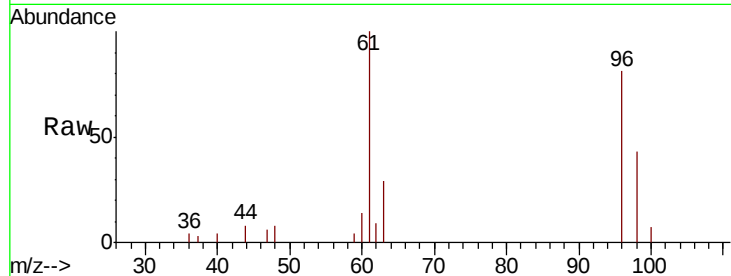


#27

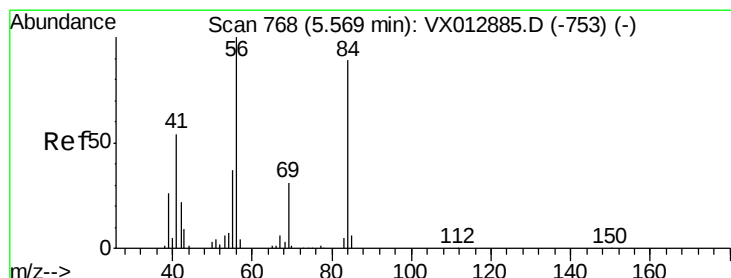
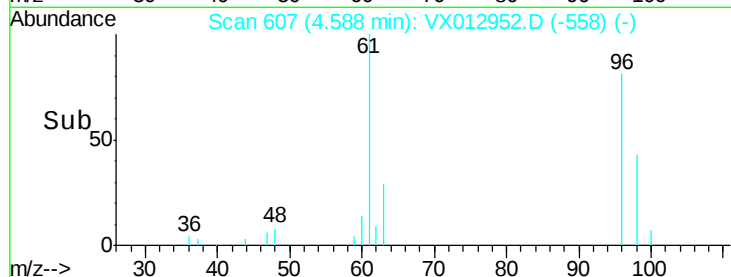
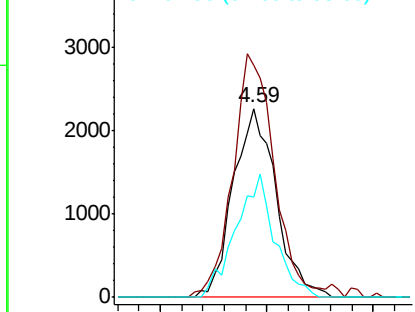
cis-1,2-Dichloroethene
Concen: 2.896 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 6410
Ion Ratio Lower Upper
96 100
61 123.9 0.0 290.6
98 58.8 0.0 128.8



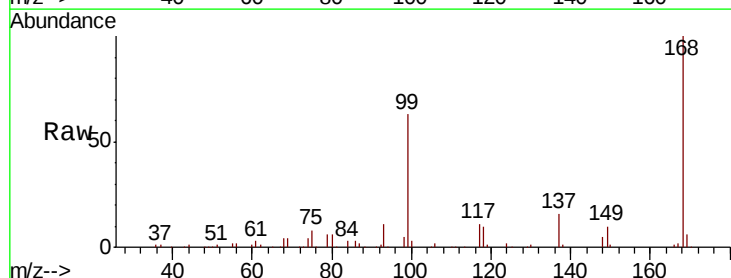
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



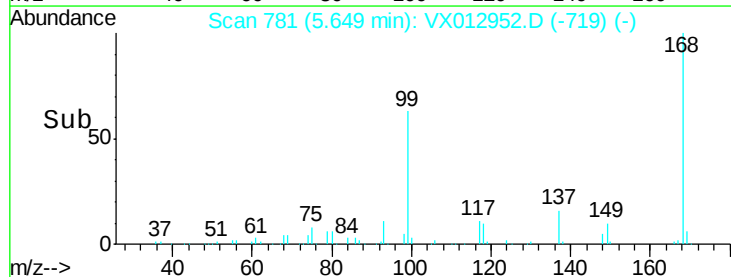
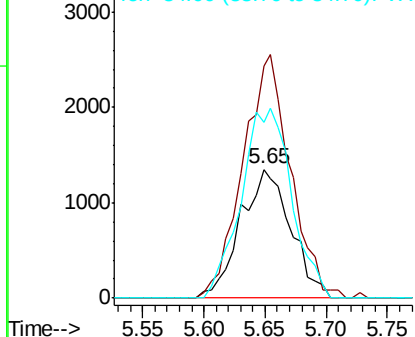
#31

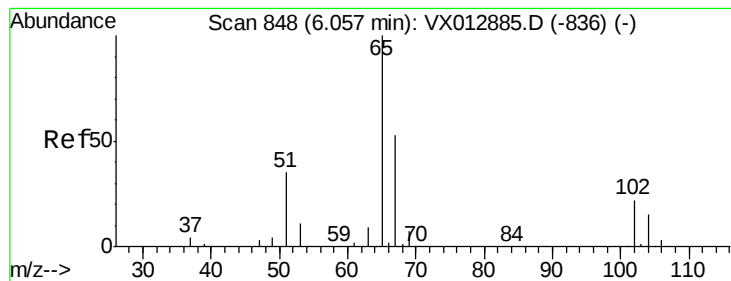
Cyclohexane
Concen: 1.197 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

Tgt Ion: 56 Resp: 3850
Ion Ratio Lower Upper
56 100
69 179.7 25.2 37.8#
84 136.7 71.3 106.9#



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: 52.067 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

Instrument :

MSVOA_X

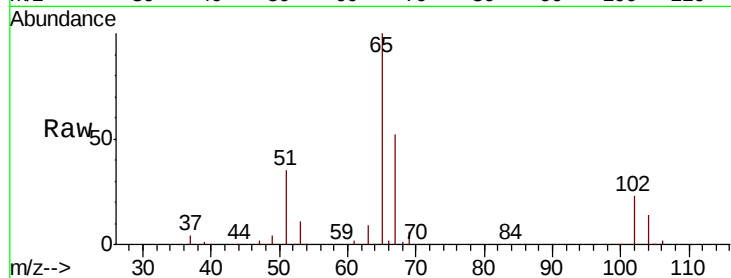
ClientSampleId :

Tot Ion: 65 Resp: 115357

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

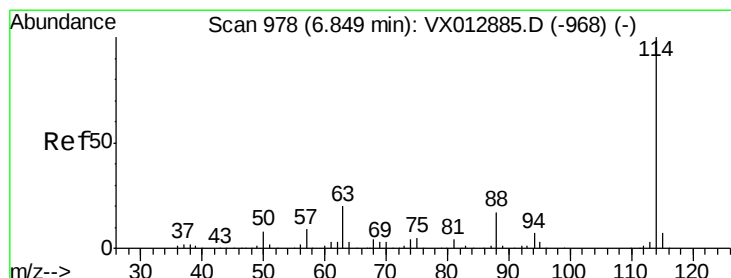
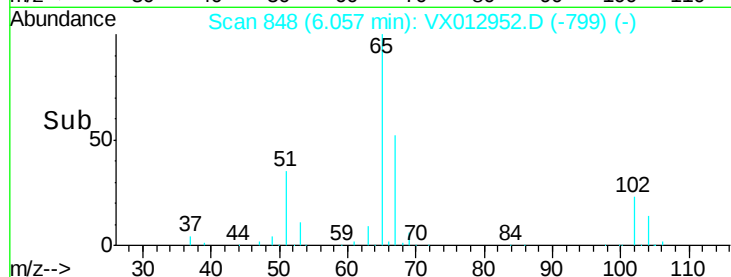
20000

10000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

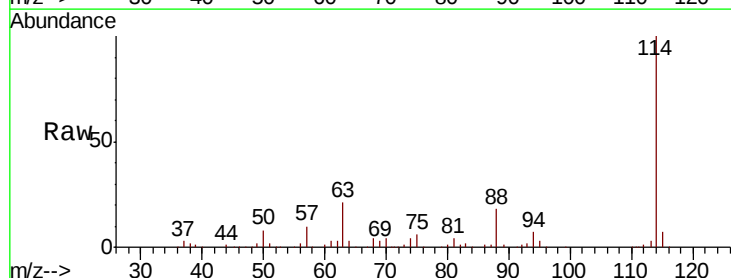
Tgt Ion: 114 Resp: 296816

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 18.0 0.0 33.8



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

150000

100000

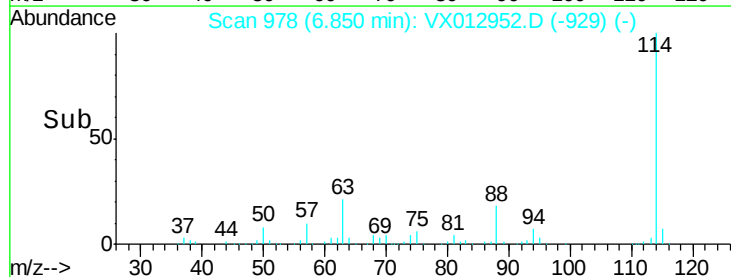
50000

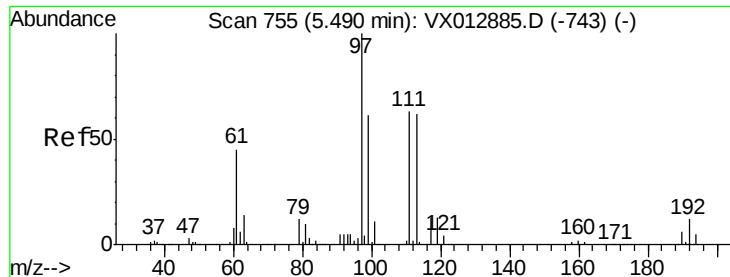
0

6.85

6.70 6.80 6.90 7.00

Time-->

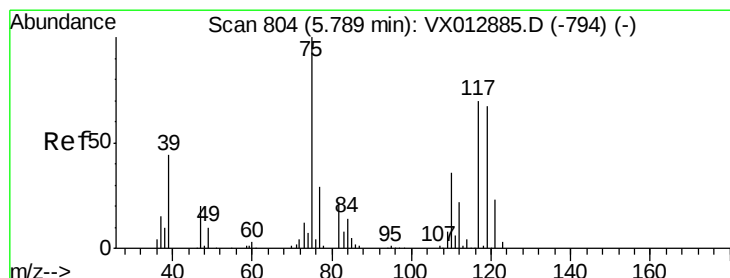
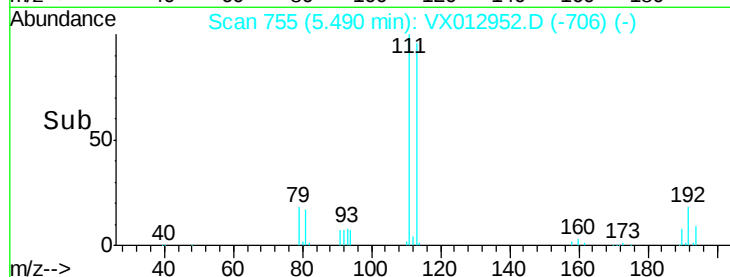
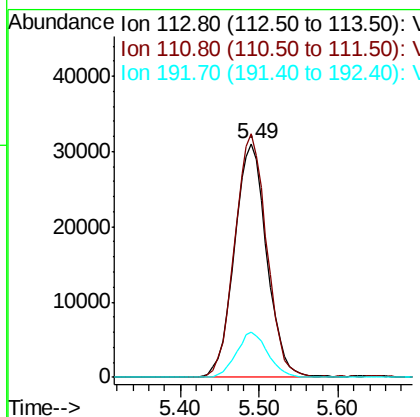
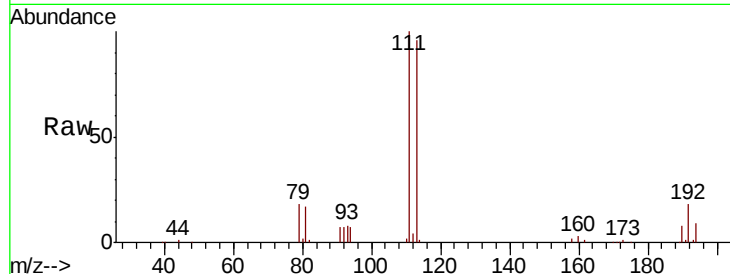




#35
 Dibromofluoromethane
 Concen: 51.960 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012952.D
 Acq: 09 Oct 2019 18:52

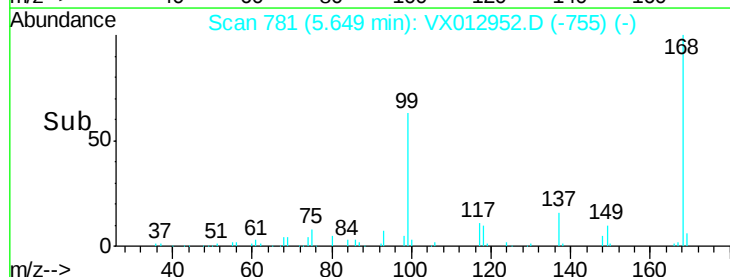
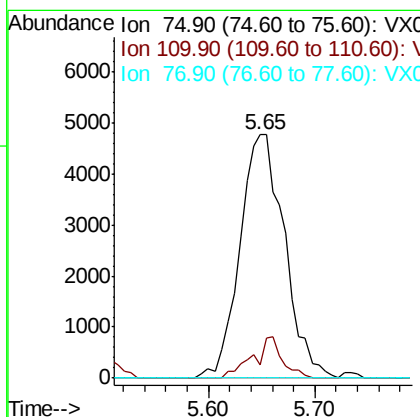
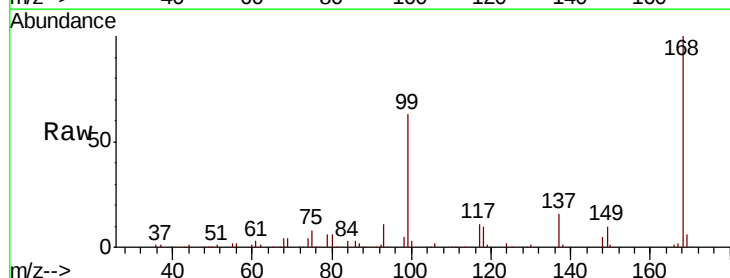
Instrument :
 MSVOA_X
 ClientSampleId :

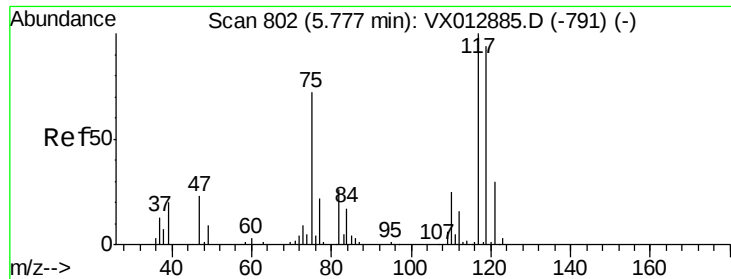
Tot Ion:113 Resp: 88517
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.2 124.8
 192 18.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.361 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012952.D
 Acq: 09 Oct 2019 18:52

Tgt Ion: 75 Resp: 13989
 Ion Ratio Lower Upper
 75 100
 110 11.2 17.6 52.9#
 77 0.0 24.4 36.6#

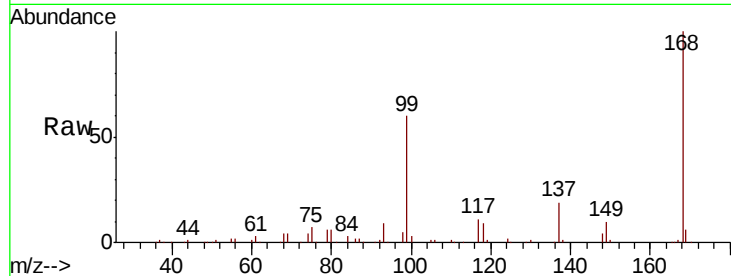




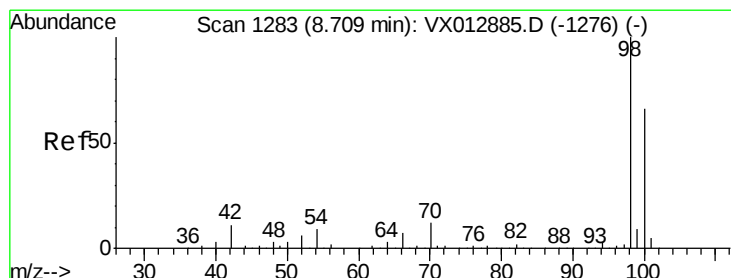
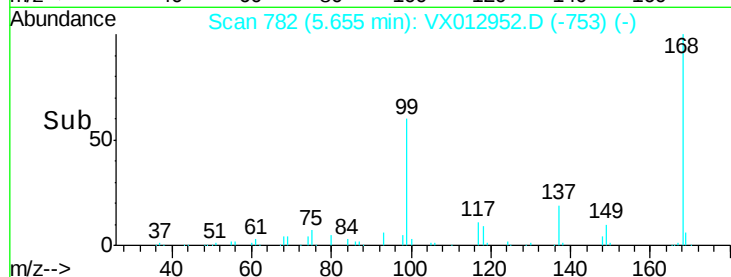
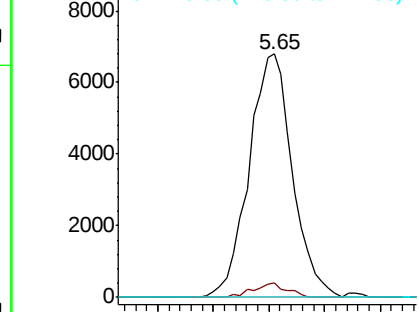
#38
Carbon Tetrachloride
Concen: 7.253 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18422
Ion Ratio Lower Upper
117 100
119 6.2 74.5 111.7#
121 0.0 24.2 36.4#

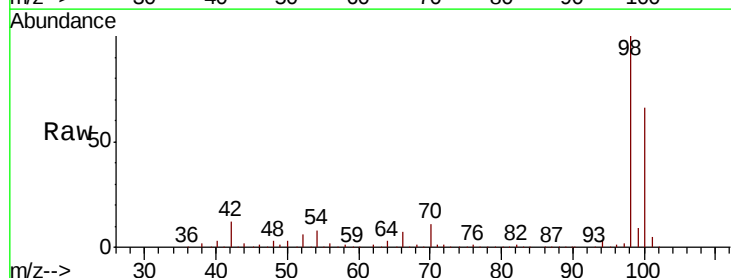


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

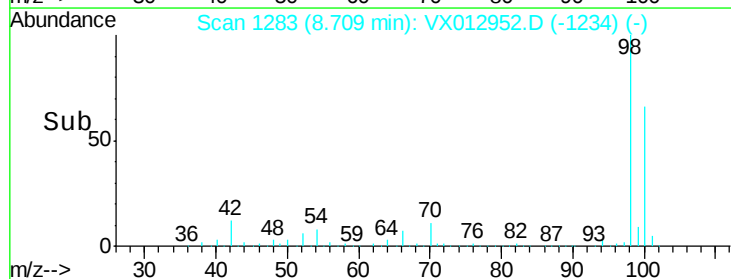
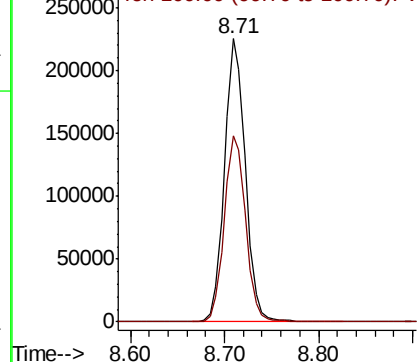


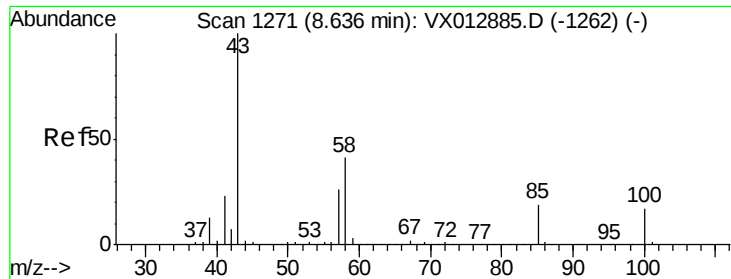
#50
Toluene-d8
Concen: 52.023 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

Tgt Ion: 98 Resp: 345659
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.545 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

Instrument :

MSVOA_X

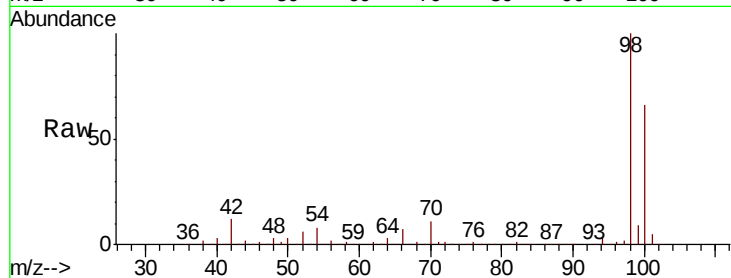
ClientSampled :

Tot Ion: 43 Resp: 1590

Ion Ratio Lower Upper

43 100

58 181.9 32.4 48.6#

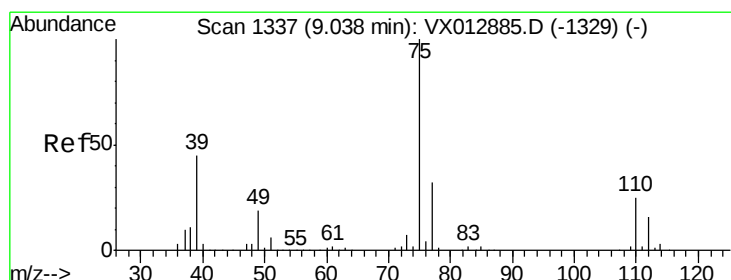
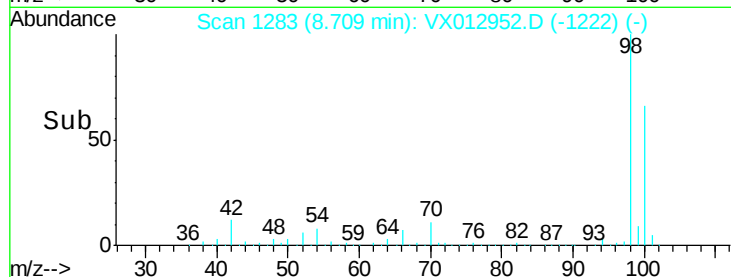


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.71

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.175 ug/l

RT: 9.05 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VX012952.D

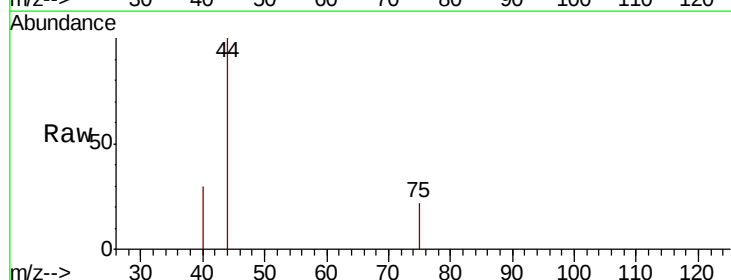
Acq: 09 Oct 2019 18:52

Tgt Ion: 75 Resp: 21

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

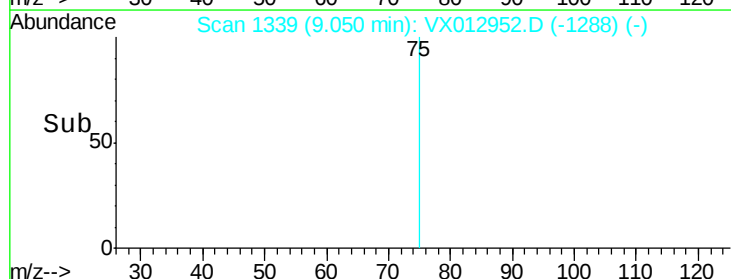


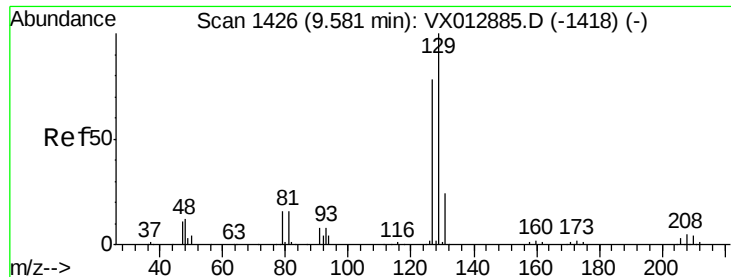
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.05

Time-->





#60

Dibromochloromethane

Concen: 1.877 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

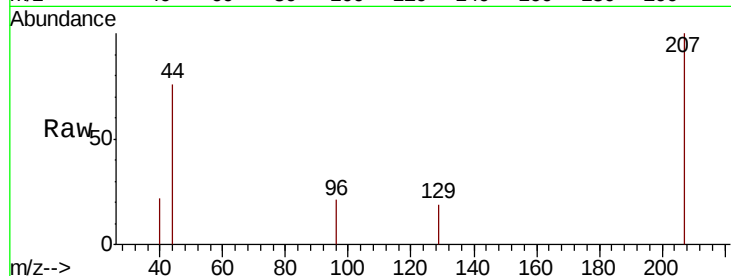
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 46

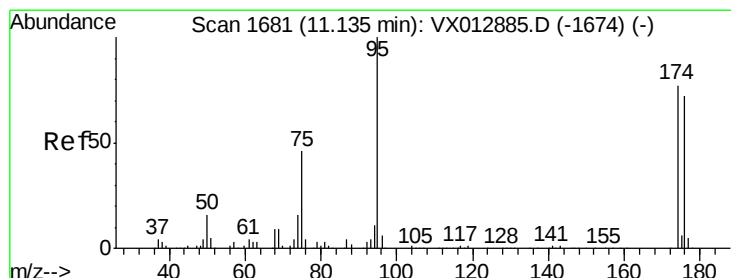
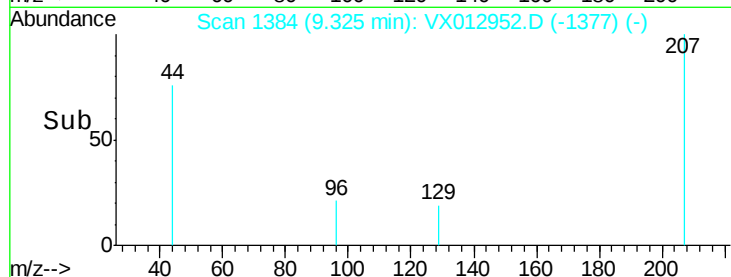
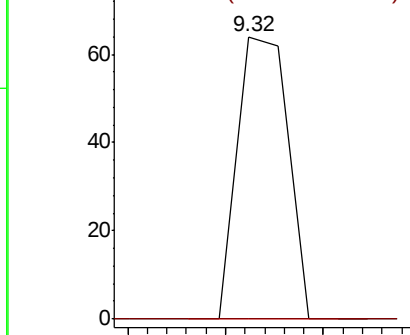
Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.002 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

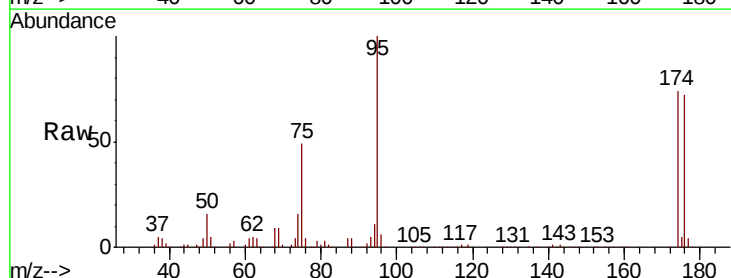
Tgt Ion: 95 Resp: 121345

Ion Ratio Lower Upper

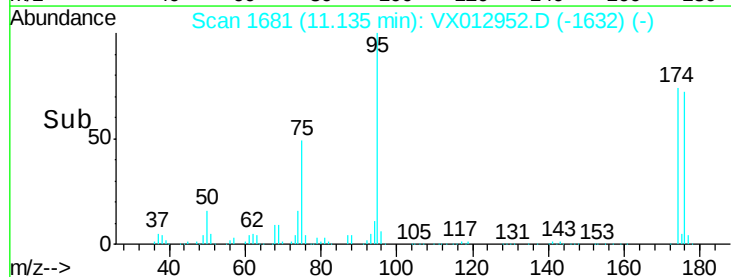
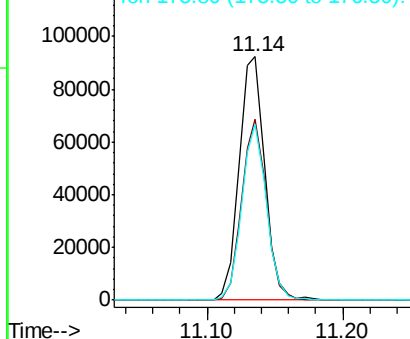
95 100

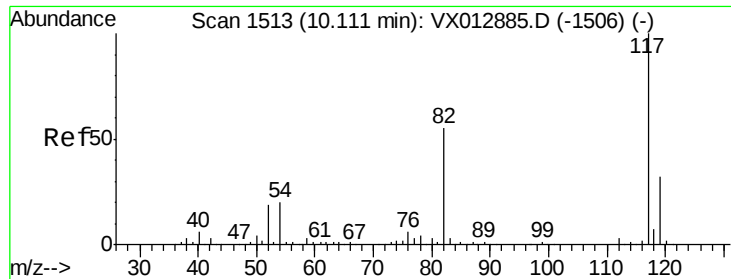
174 71.6 0.0 143.4

176 69.5 0.0 136.0



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

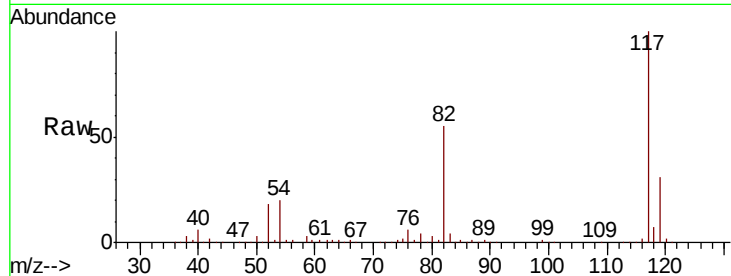




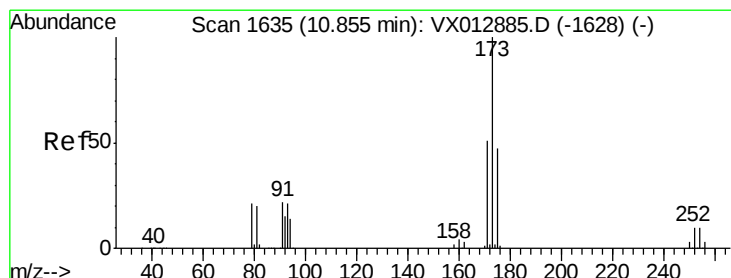
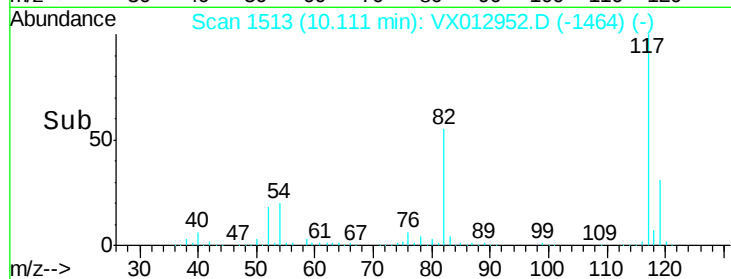
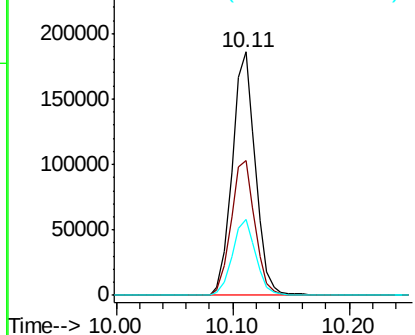
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 256829
Ion Ratio Lower Upper
117 100
82 55.5 44.1 66.1
119 31.4 25.8 38.8

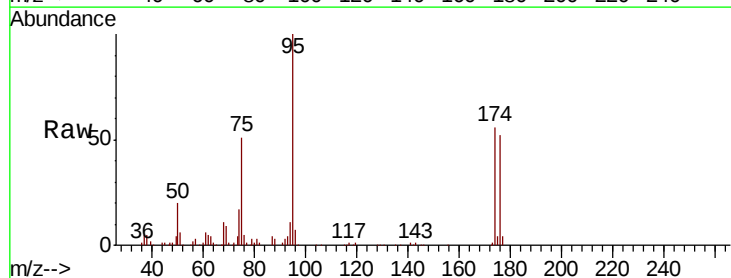


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

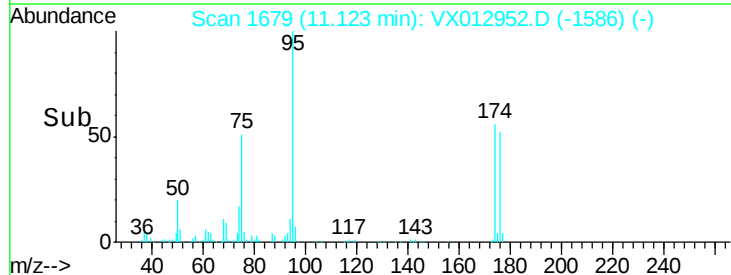
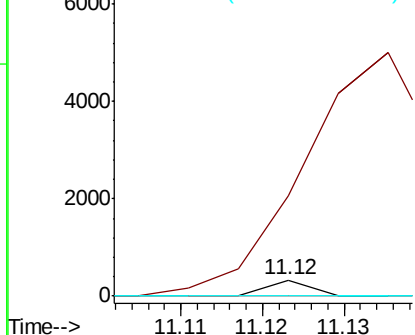


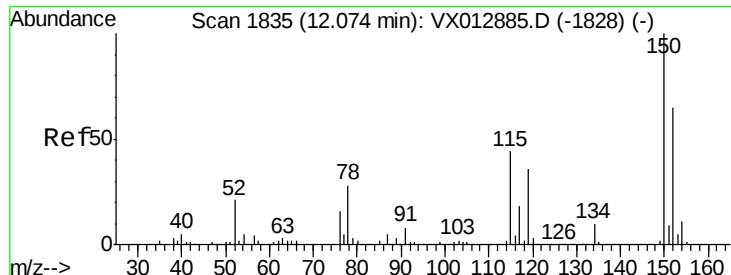
#71
Bromoform
Concen: 3.209 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.27 min
Lab File: VX012952.D
Acq: 09 Oct 2019 18:52

Tgt Ion:173 Resp: 123
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

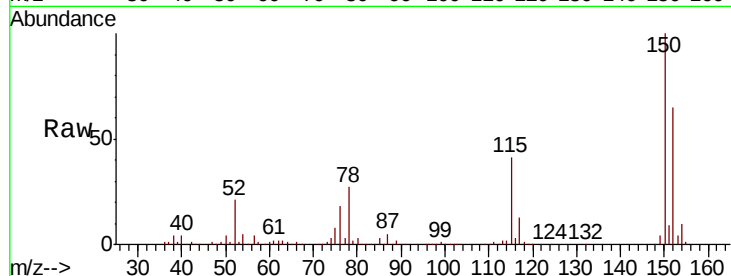
Tot Ion:152 Resp: 103377

Ion Ratio Lower Upper

152 100

115 64.2 44.5 133.5

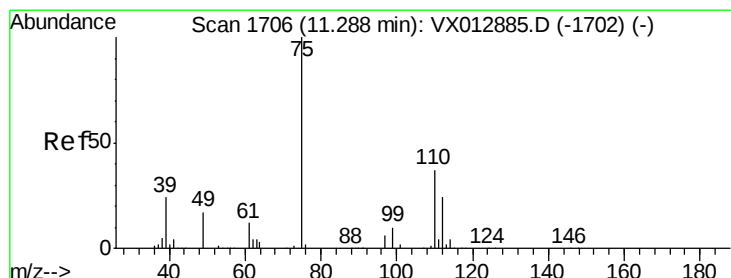
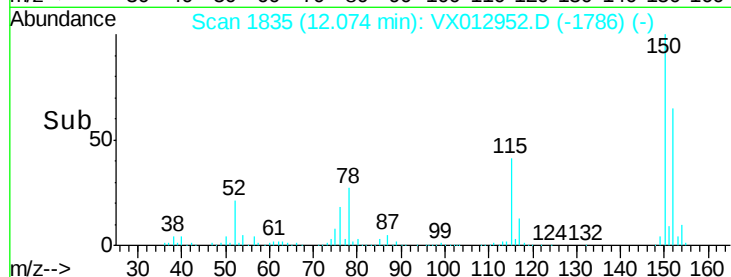
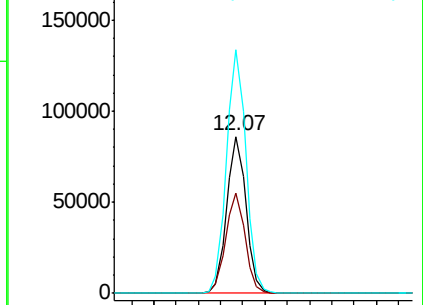
150 157.1 0.0 353.4



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: 26.365 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012952.D

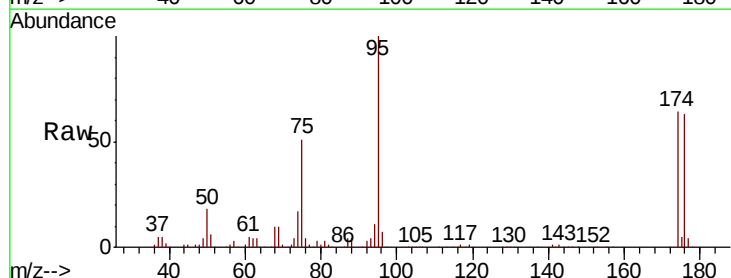
Acq: 09 Oct 2019 18:52

Tgt Ion: 75 Resp: 60452

Ion Ratio Lower Upper

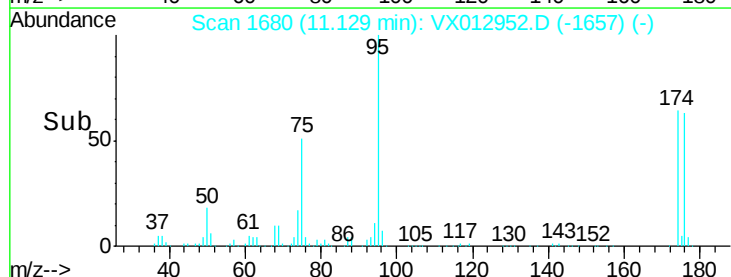
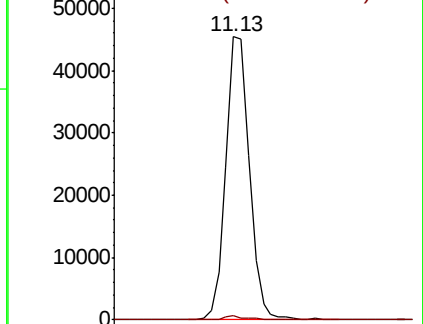
75 100

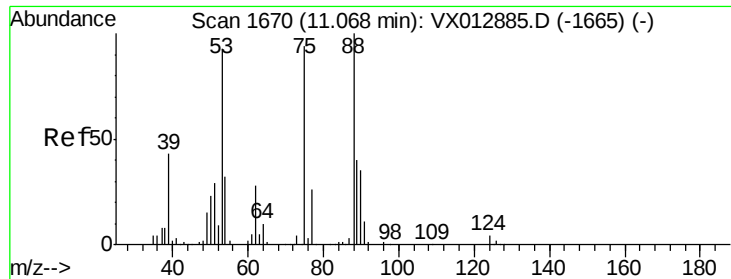
77 1.3 22.9 68.8#



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: 66.343 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012952.D

Acq: 09 Oct 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

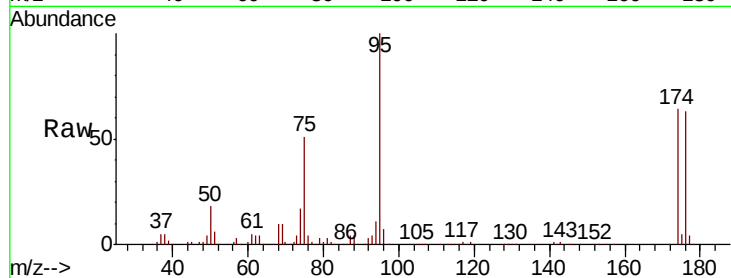
Tot Ion: 75 Resp: 60452

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

