

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013127.D
 Acq On : 18 Oct 2019 15:11
 Operator : JC/SP
 Sample : K5414-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB-01-SRI4

Quant Time: Oct 18 23:57:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	89355	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	101225	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.49	113	80147	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	8.71	98	313878	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.13	95	105341	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	

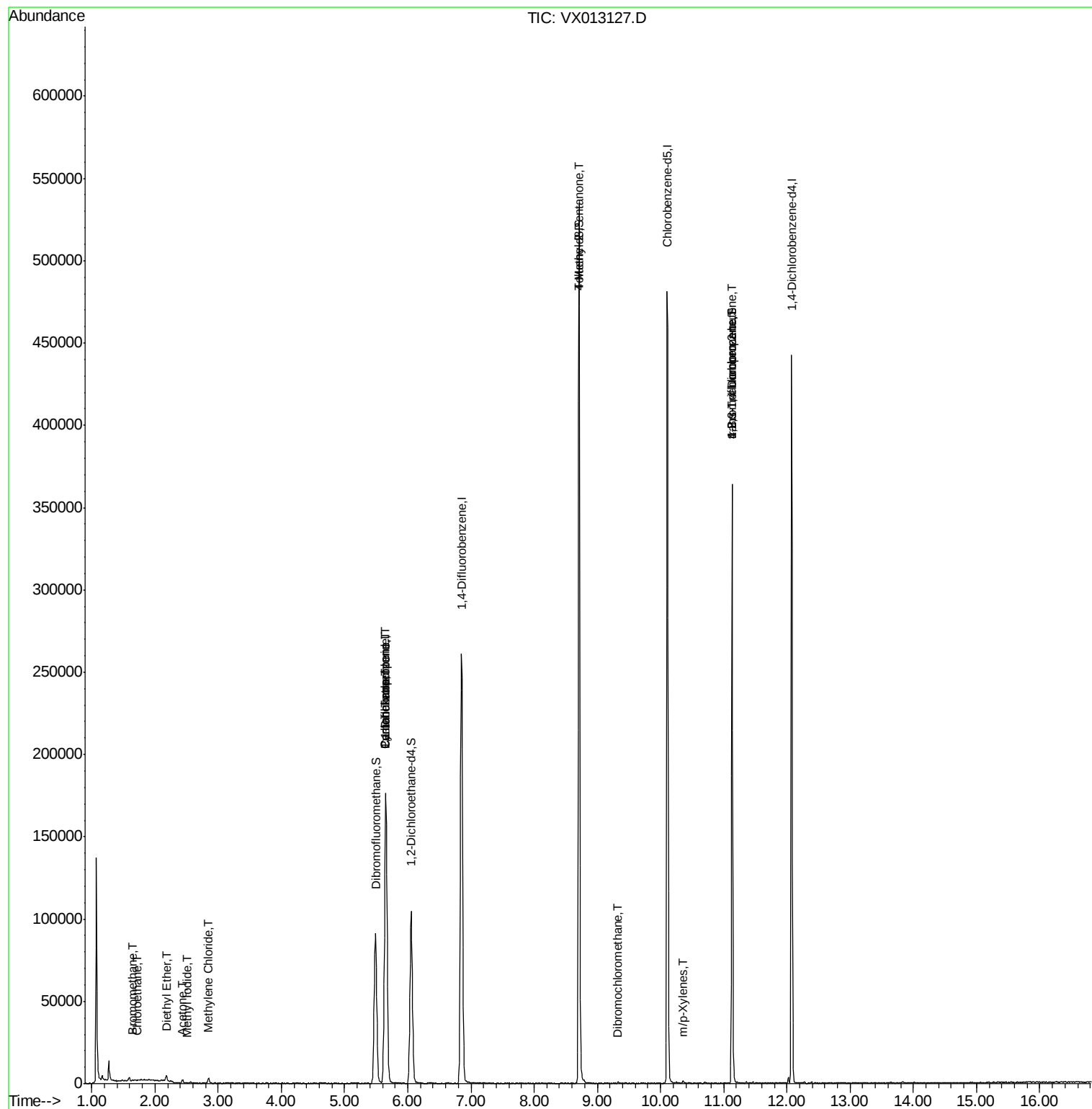
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	367	0.461	ug/l	97
6) Chloroethane	1.71	64	197	0.535	ug/l #	43
8) Diethyl Ether	2.19	74	1120	1.073	ug/l	79
10) Methyl Iodide	2.50	142	394	5.268	ug/l #	69
16) Acetone	2.43	43	1852	1.680	ug/l	89
20) Methylene Chloride	2.85	84	1578	0.779	ug/l	85
31) Cyclohexane	5.65	56	3465	1.141	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12304	5.193	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17261	7.485	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1241	0.468	ug/l #	1
60) Dibromochloromethane	9.32	129	23	1.868	ug/l #	10
68) m/p-Xylenes	10.36	106	611	0.206	ug/l #	66
76) 1,2,3-Trichloropropane	11.14	75	50905	25.685	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	50905	64.738	ug/l #	10

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

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Quant Time: Oct 18 23:57:34 2019
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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 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: VX013127.D

Acq: 18 Oct 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

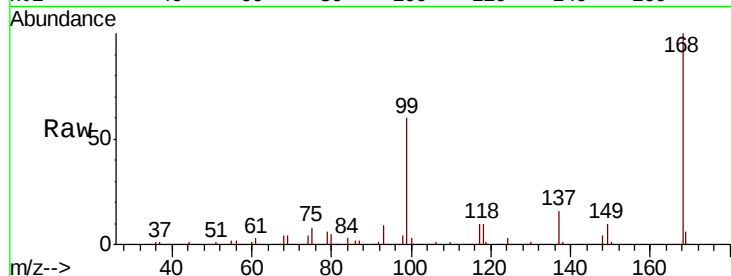
RB-01-SRI4

Tot Ion:168 Resp: 167360

Ion Ratio Lower Upper

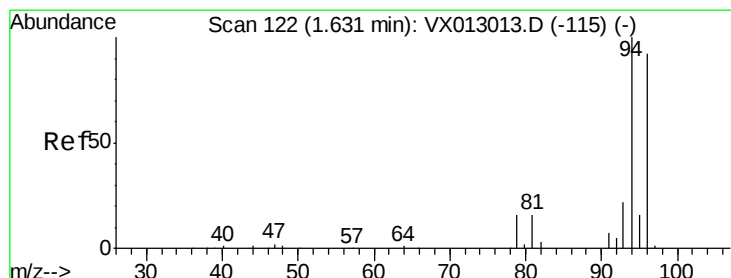
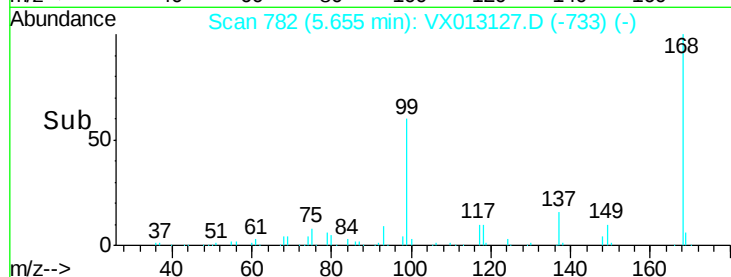
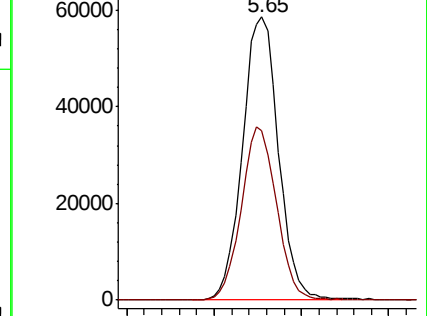
168 100

99 59.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.461 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013127.D

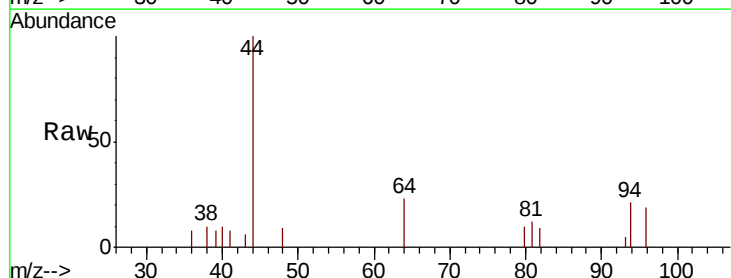
Acq: 18 Oct 2019 15:11

Tgt Ion: 94 Resp: 367

Ion Ratio Lower Upper

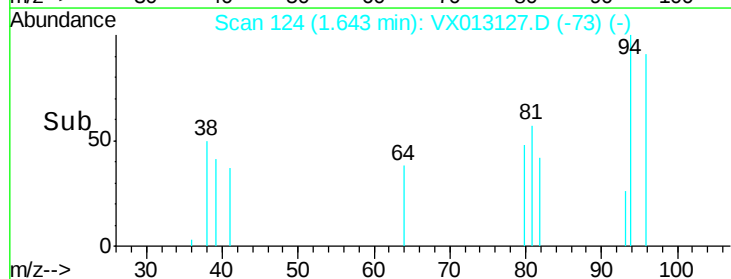
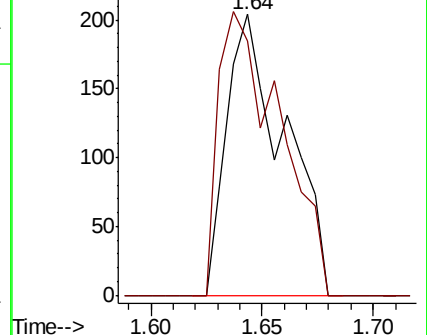
94 100

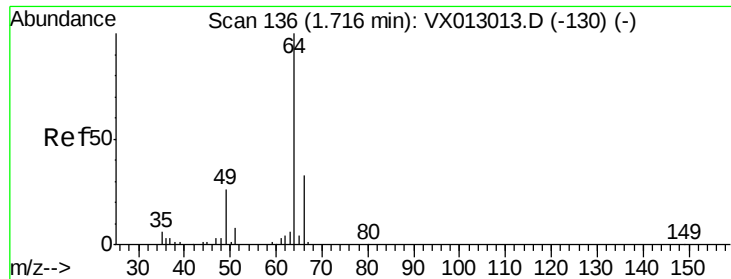
96 90.7 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.535 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

Instrument :

MSVOA_X

ClientSampled :

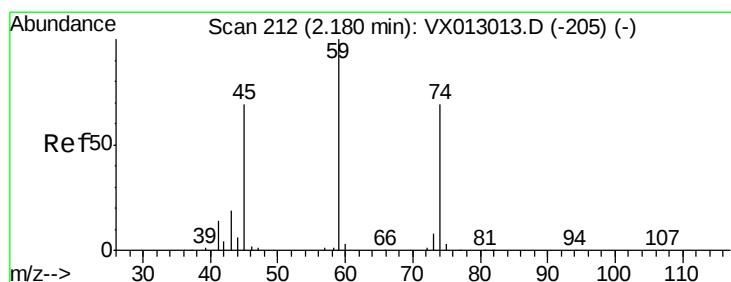
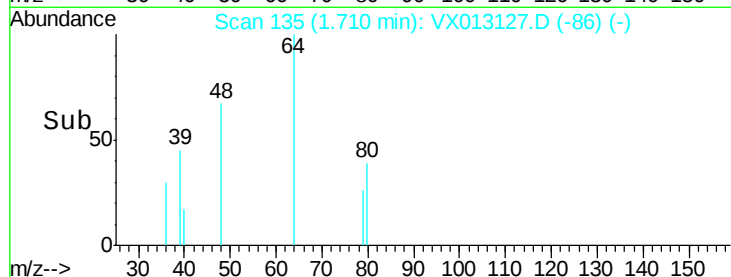
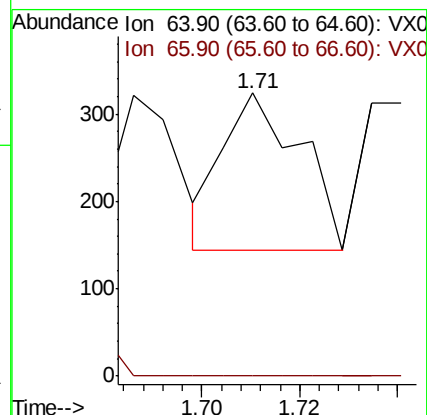
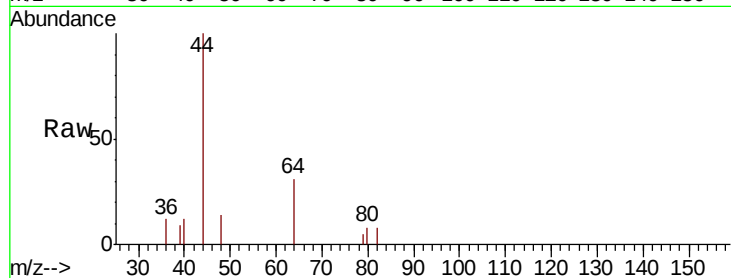
RB-01-SRI4

Tot Ion: 64 Resp: 197

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#8

Diethyl Ether

Concen: 1.073 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX013127.D

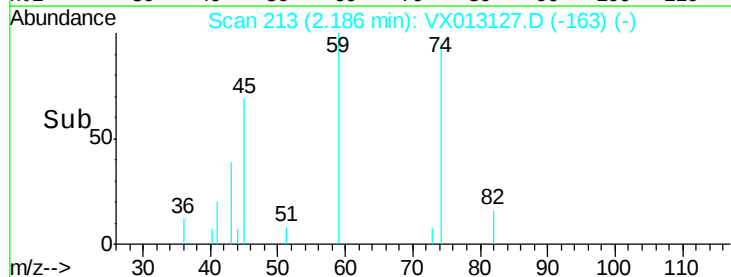
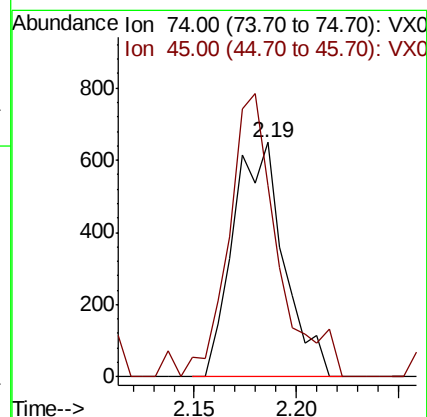
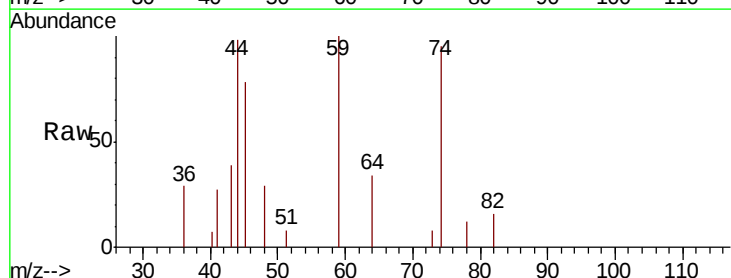
Acq: 18 Oct 2019 15:11

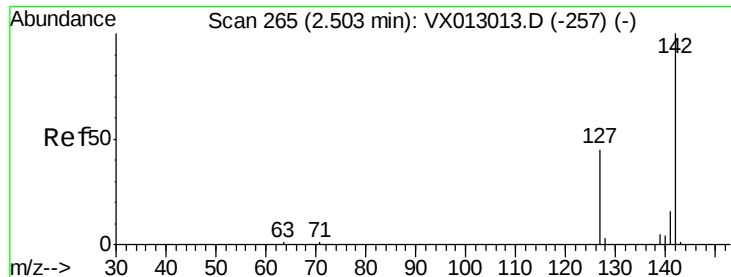
Tgt Ion: 74 Resp: 1120

Ion Ratio Lower Upper

74 100

45 115.6 47.8 143.4

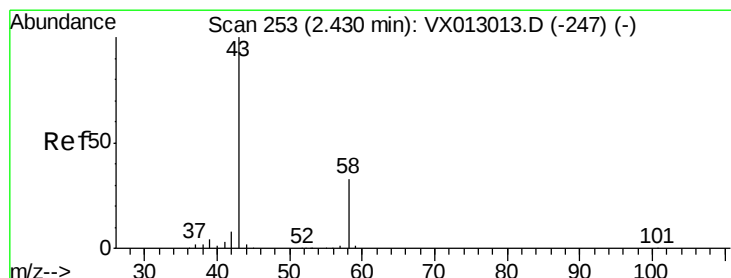
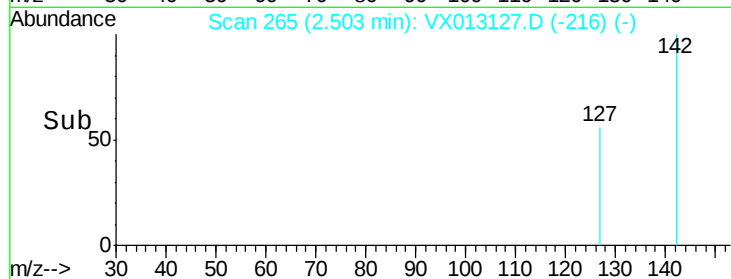
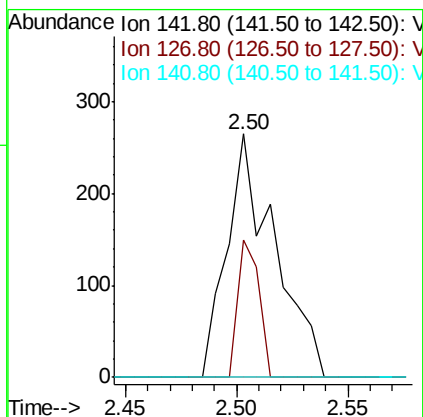
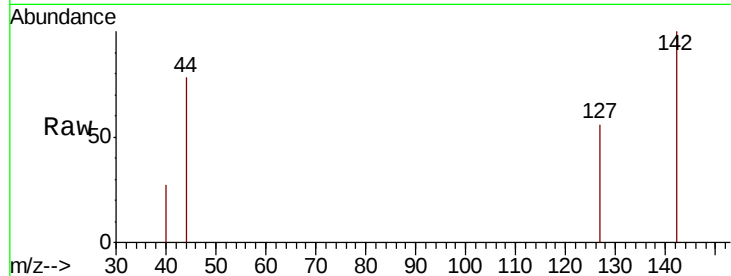




#10
Methvl Iodide
Concen: 5.268 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

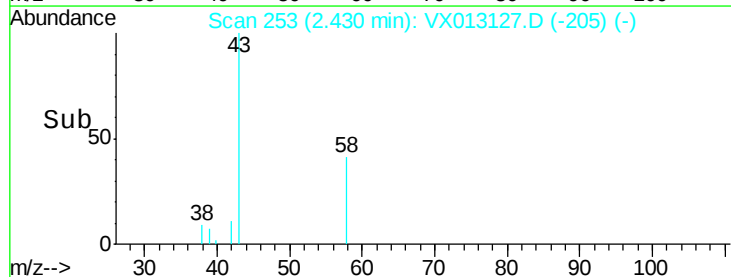
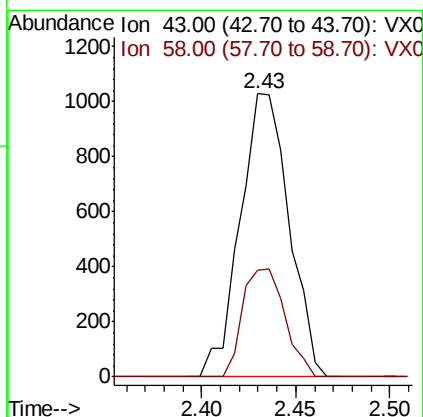
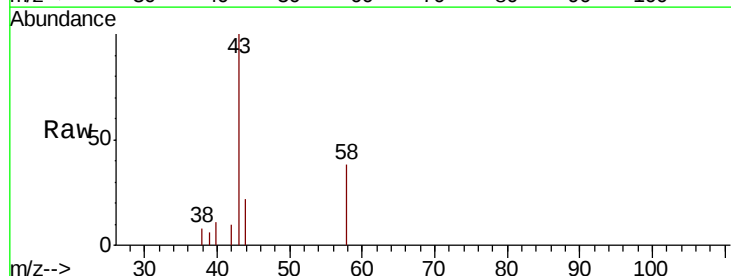
Instrument :
MSVOA_X
ClientSampleId :
RB-01-SRI4

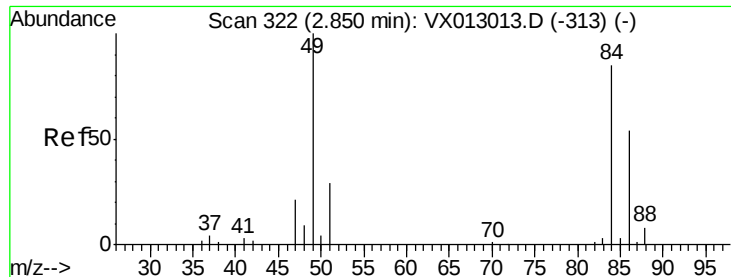
Tot Ion:142 Resp: 394
Ion Ratio Lower Upper
142 100
127 24.9 34.9 52.3#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 1.680 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

Tgt Ion: 43 Resp: 1852
Ion Ratio Lower Upper
43 100
58 37.6 25.4 38.2

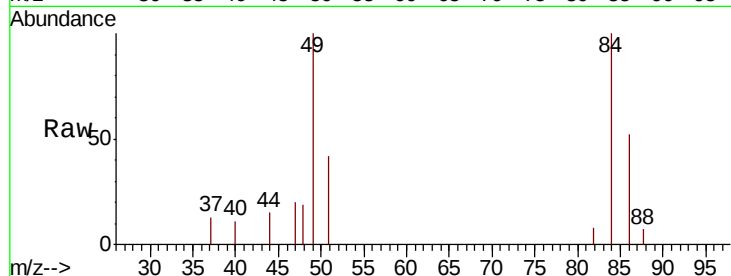




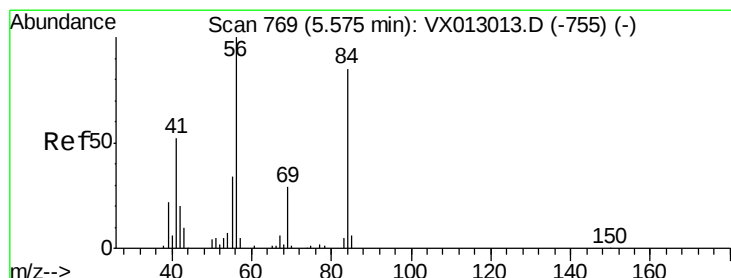
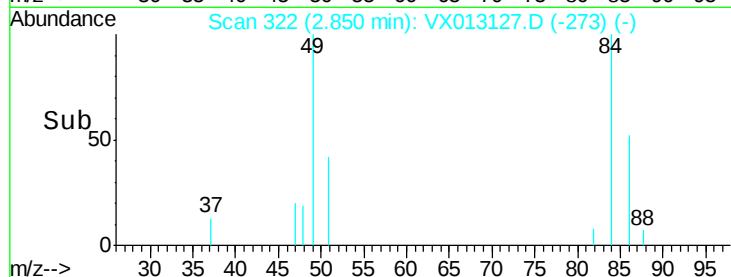
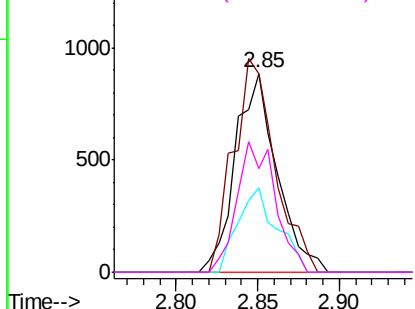
#20
Methylene Chloride
Concen: 0.779 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

Instrument :
MSVOA_X
ClientSampled :
RB-01-SRI4

Tot Ion: 84 Resp: 1578
Ion Ratio Lower Upper
84 100
49 99.9 96.6 144.8
51 42.3 30.7 46.1
86 52.3 51.0 76.6

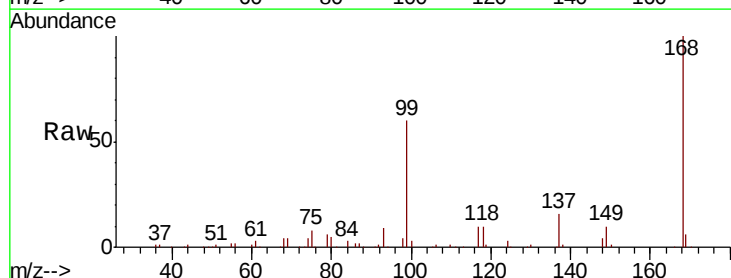


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

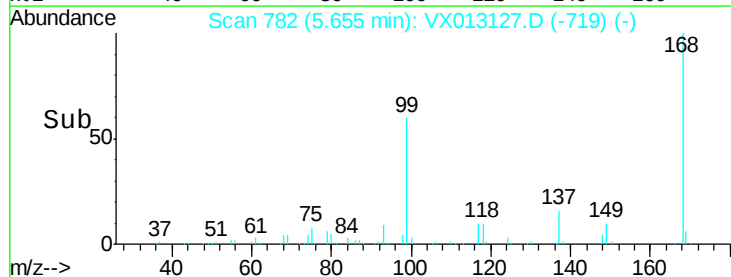
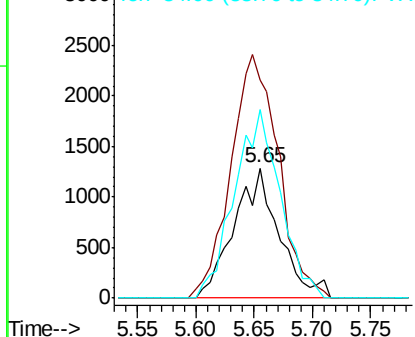


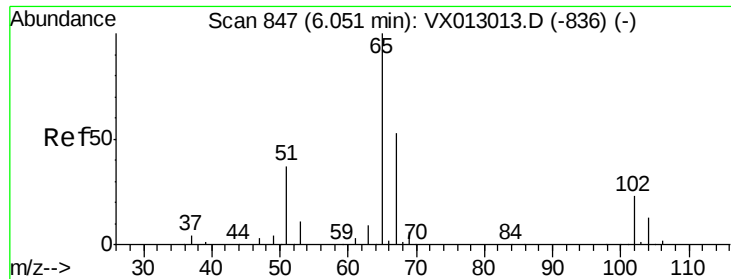
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

Tgt Ion: 56 Resp: 3465
Ion Ratio Lower Upper
56 100
69 167.5 25.2 37.8#
84 145.1 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: 48.392 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

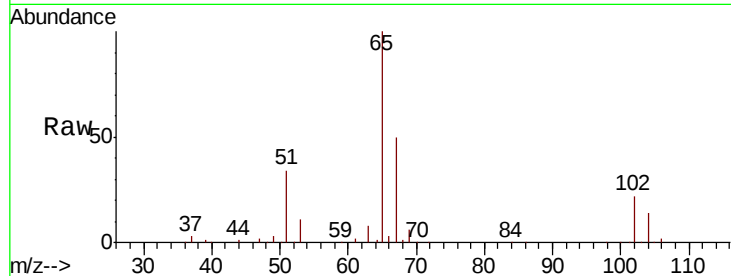
RB-01-SRI4

Tot Ion: 65 Resp: 101225

Ion Ratio Lower Upper

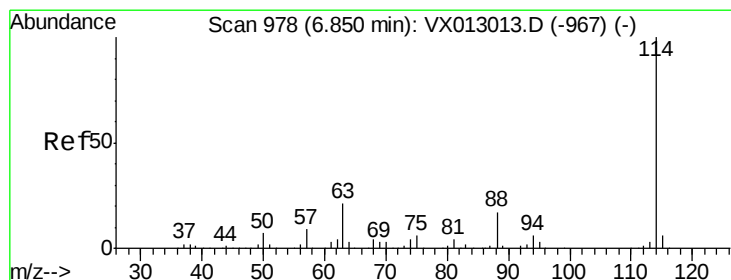
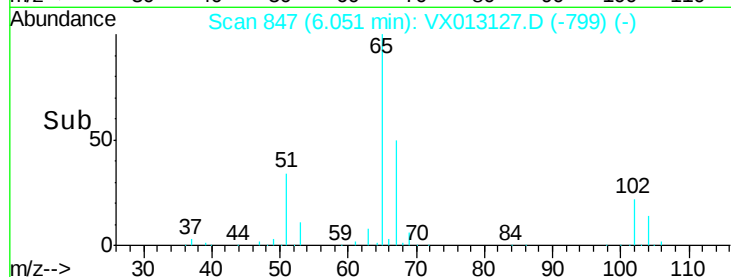
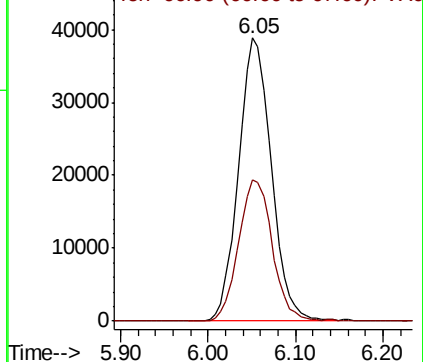
65 100

67 51.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

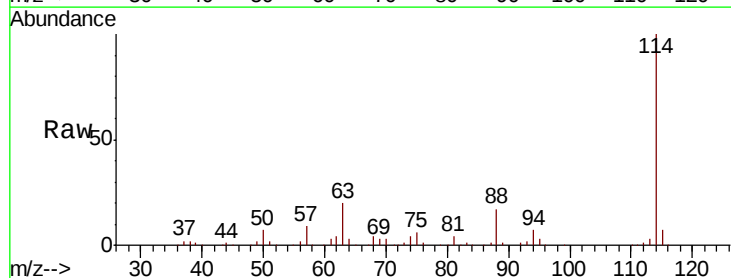
Tgt Ion: 114 Resp: 269481

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

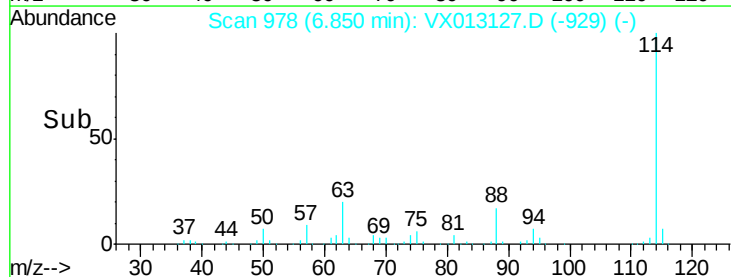
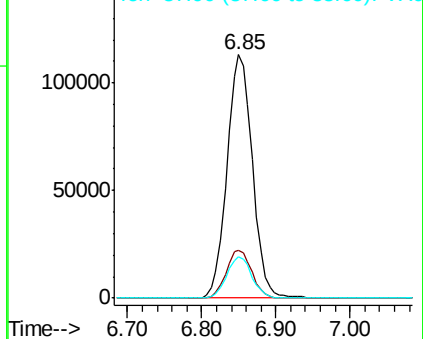
88 17.1 0.0 33.8

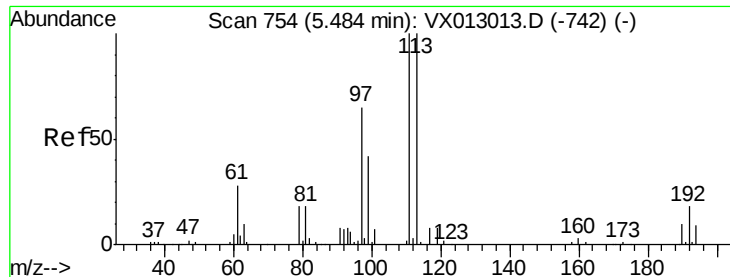


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.819 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

RB-01-SRI4

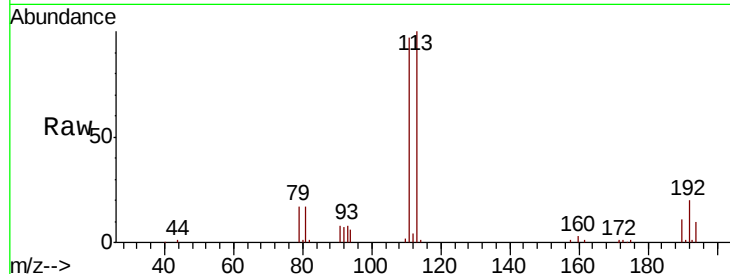
Tot Ion:113 Resp: 80147

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

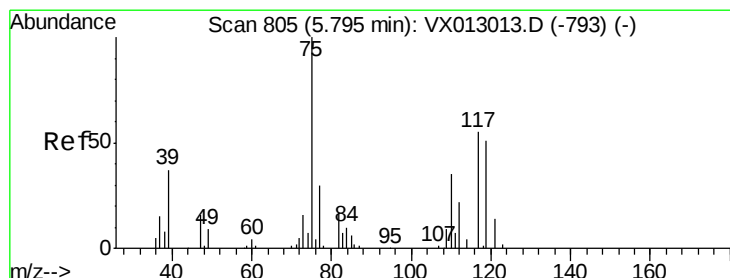
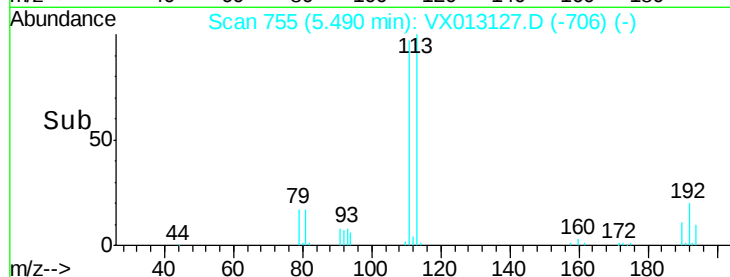
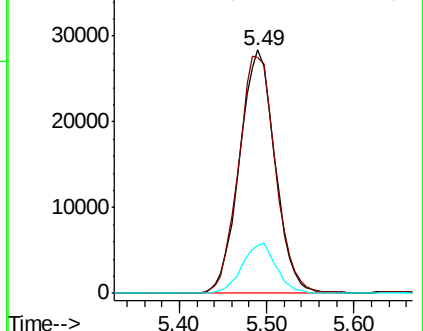
192 19.9 15.4 23.2



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: 5.193 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

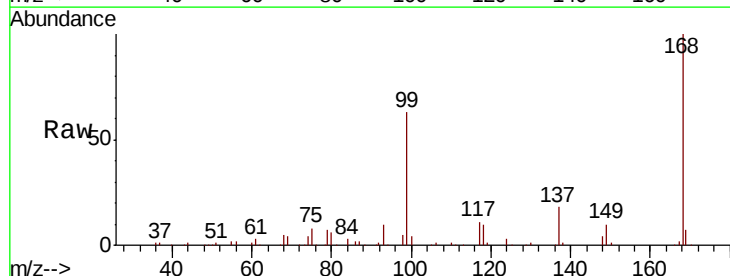
Tgt Ion: 75 Resp: 12304

Ion Ratio Lower Upper

75 100

110 8.6 17.6 52.9#

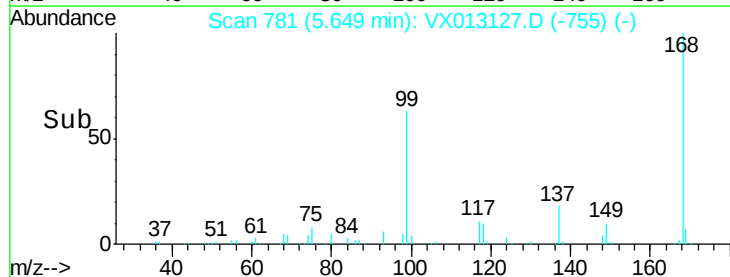
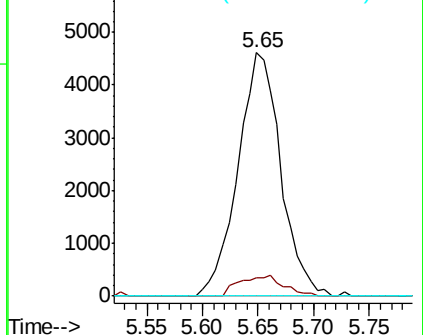
77 0.0 24.4 36.6#

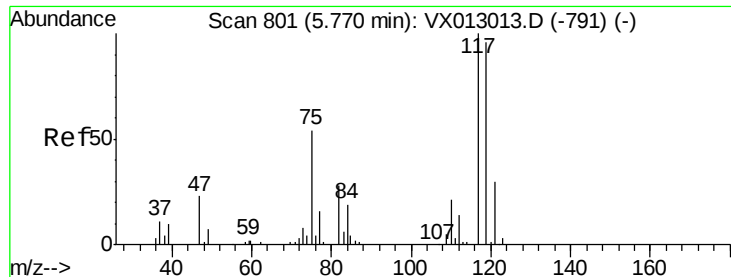


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

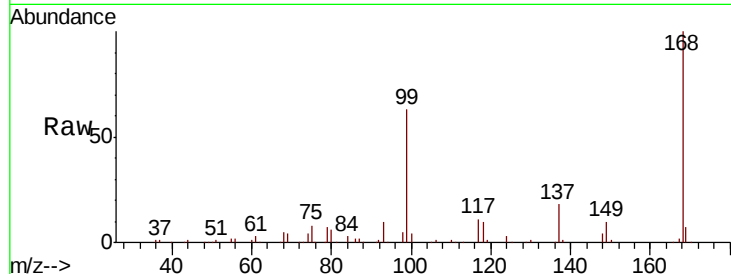




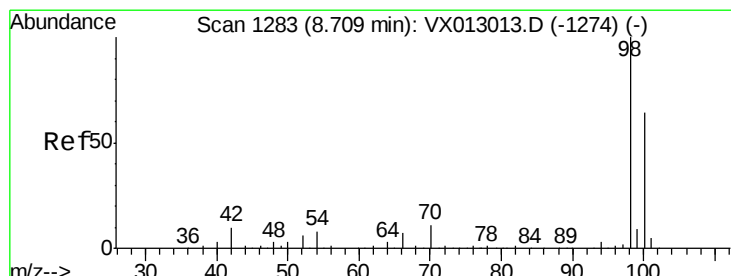
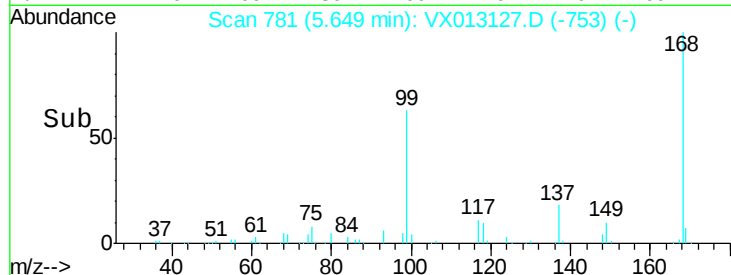
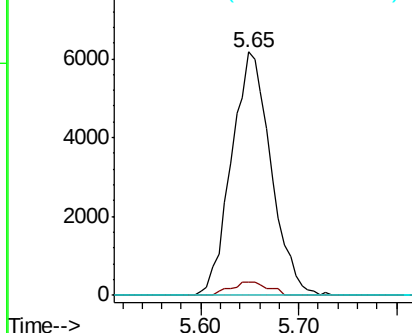
#38
Carbon Tetrachloride
Concen: 7.485 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
RB-01-SRI4

Tot Ion:117 Resp: 17261
Ion Ratio Lower Upper
117 100
119 5.3 74.5 111.7#
121 0.0 24.2 36.4#

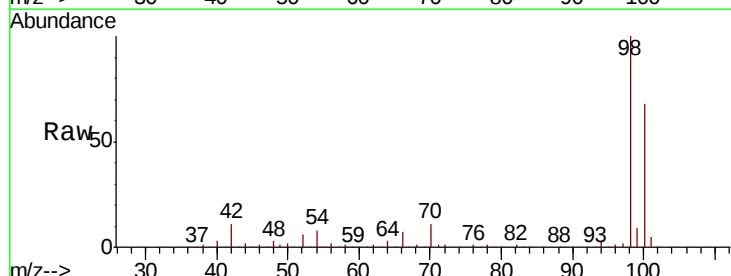


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

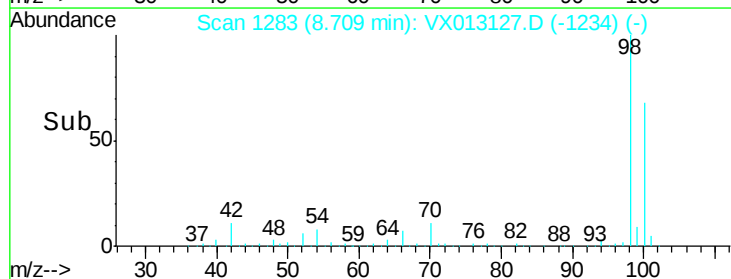
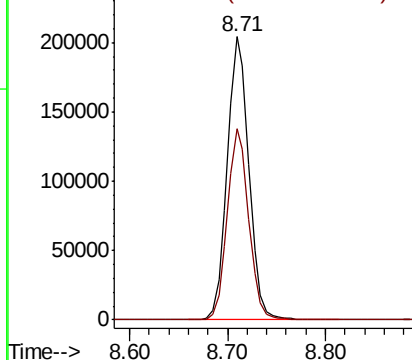


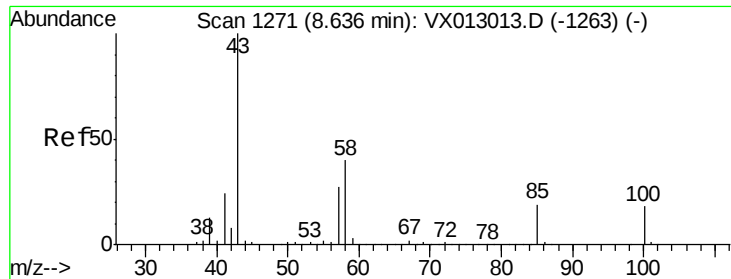
#50
Toluene-d8
Concen: 52.032 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

Tgt Ion: 98 Resp: 313878
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



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

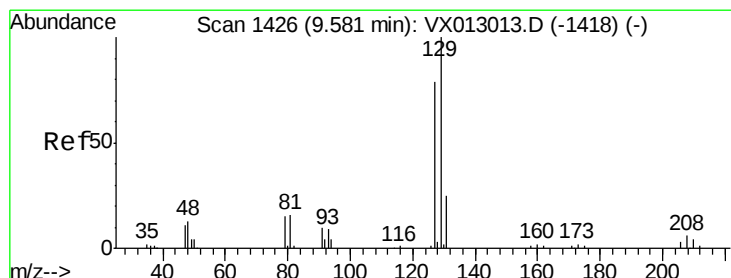
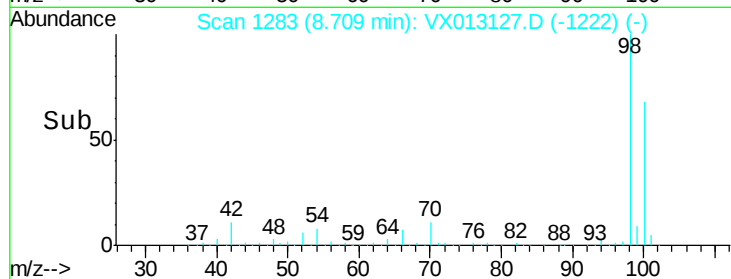
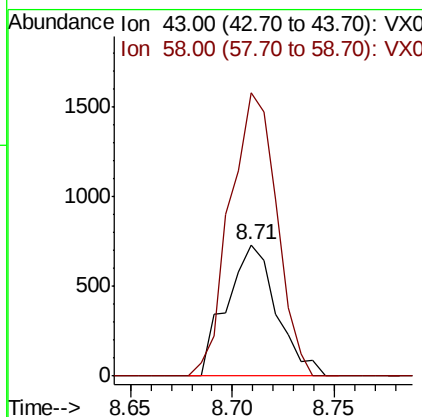
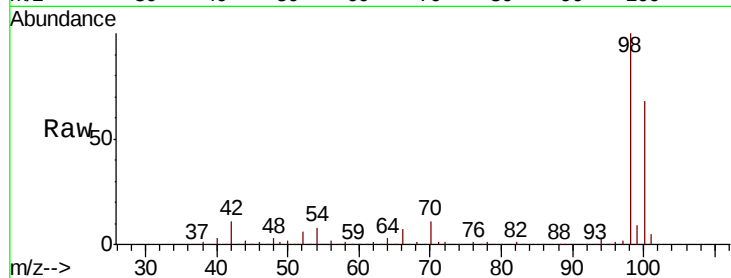




#51
 4-Methyl-2-Pentanone
 Concen: 0.468 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX013127.D
 Acq: 18 Oct 2019 15:11

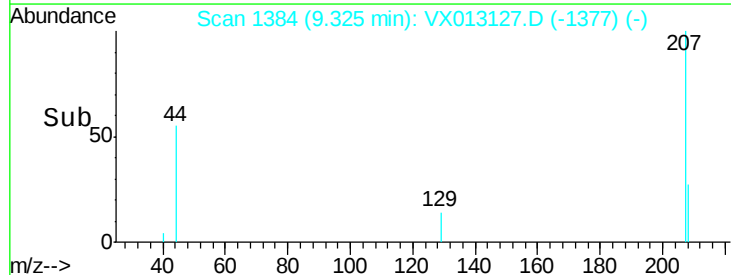
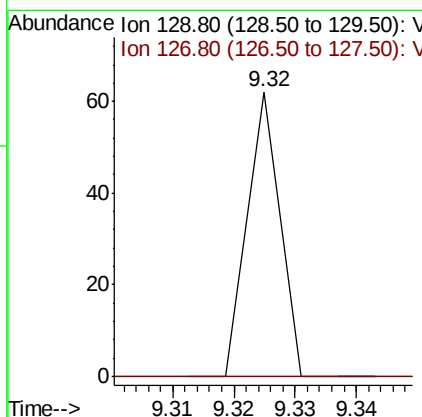
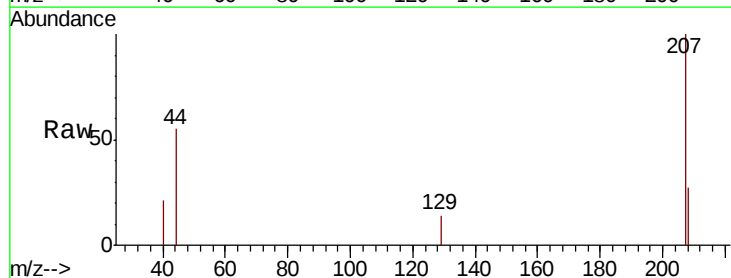
Instrument :
 MSVOA_X
 ClientSampleId :
 RB-01-SRI4

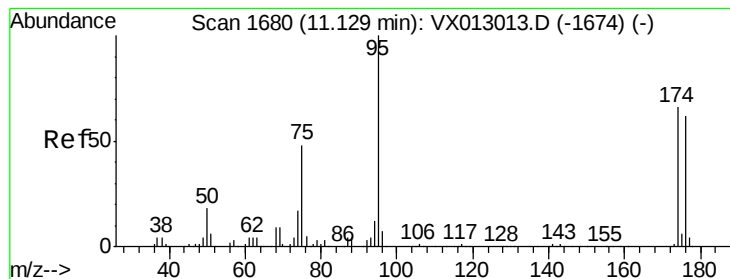
Tot Ion: 43 Resp: 1241
 Ion Ratio Lower Upper
 43 100
 58 202.5 32.4 48.6#



#60
 Dibromochloromethane
 Concen: 1.868 ug/l
 RT: 9.32 min Scan# 1384
 Delta R.T. -0.26 min
 Lab File: VX013127.D
 Acq: 18 Oct 2019 15:11

Tgt Ion: 129 Resp: 23
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 44.942 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

Instrument :

MSVOA_X

ClientSampled :

RB-01-SRI4

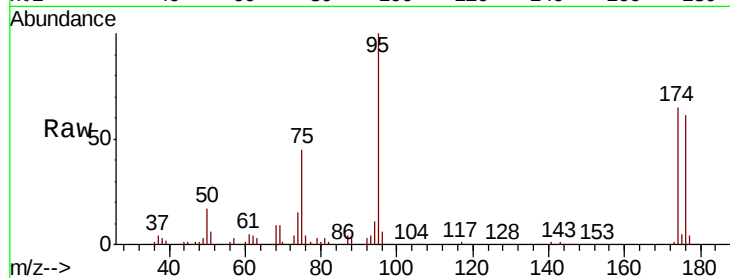
Tot Ion: 95 Resp: 105341

Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.4

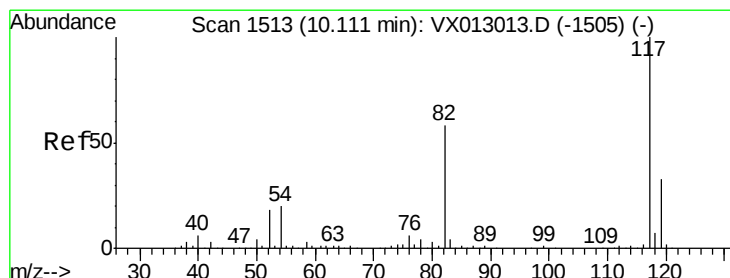
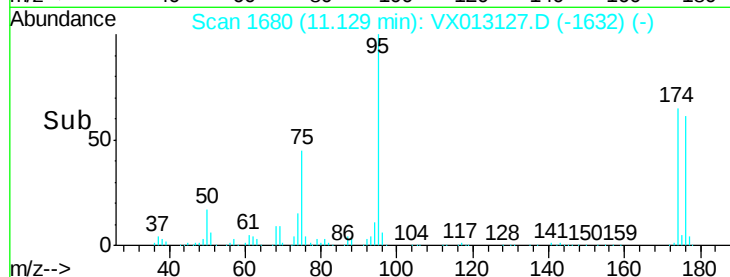
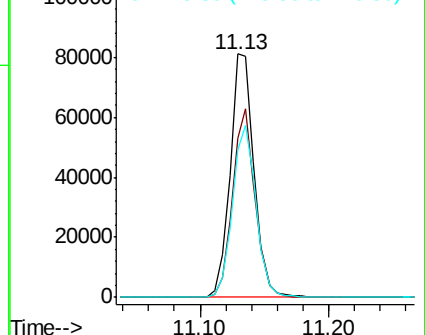
176 69.7 0.0 136.0



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# 1512

Delta R.T. -0.01 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

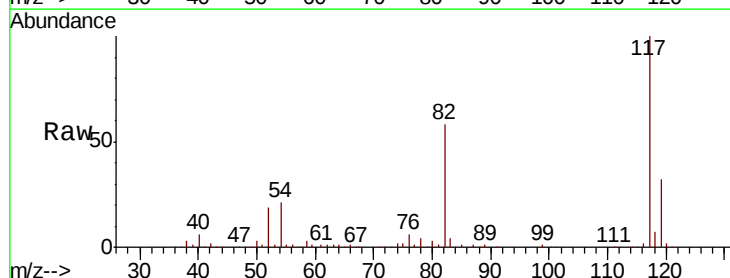
Tgt Ion: 117 Resp: 225362

Ion Ratio Lower Upper

117 100

82 58.4 44.1 66.1

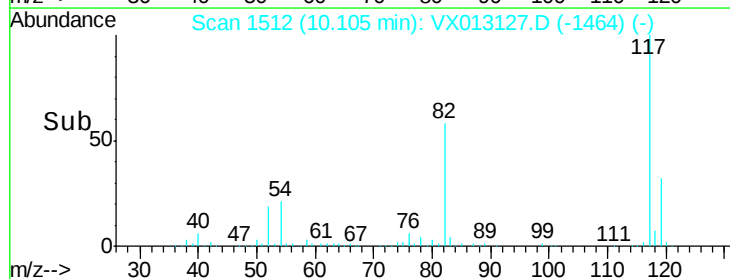
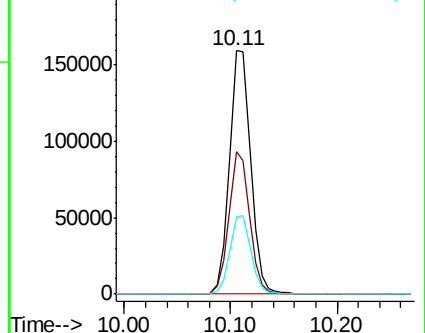
119 31.7 25.8 38.8

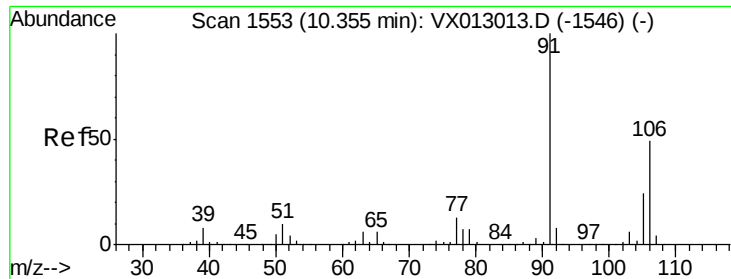


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

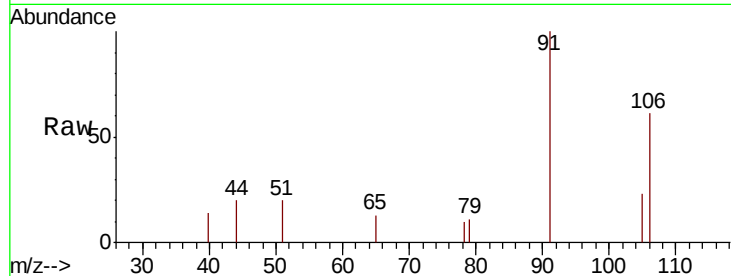




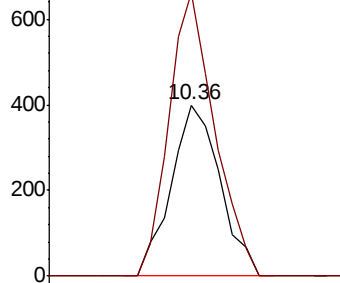
#68
m/p-Xvlenes
Concen: 0.206 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
RB-01-SRI4

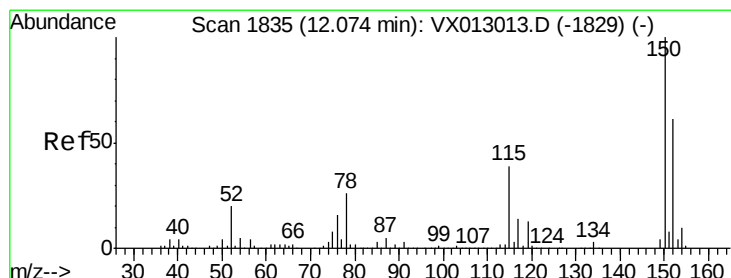
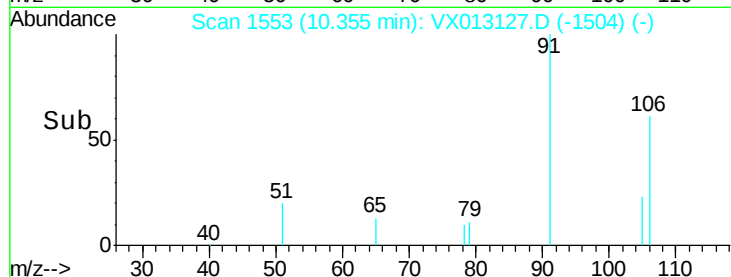
Tot Ion:106 Resp: 611
Ion Ratio Lower Upper
106 100
91 154.2 165.3 247.9#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

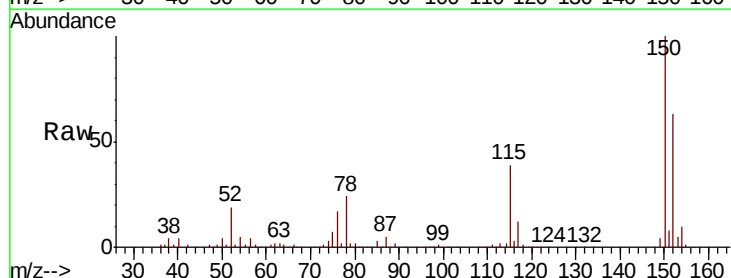


Time-->

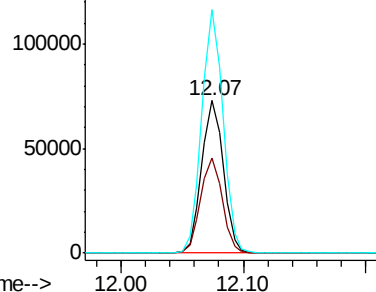


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013127.D
Acq: 18 Oct 2019 15:11

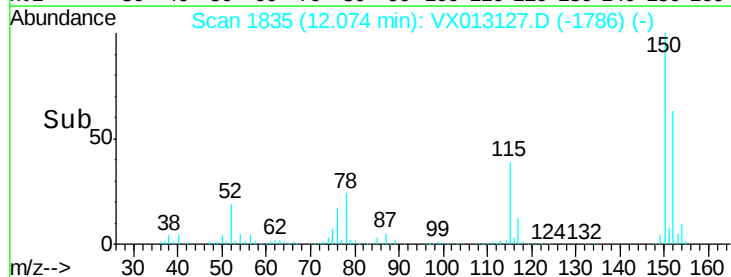
Tgt Ion:152 Resp: 89355
Ion Ratio Lower Upper
152 100
115 62.2 44.5 133.5
150 155.7 0.0 353.4

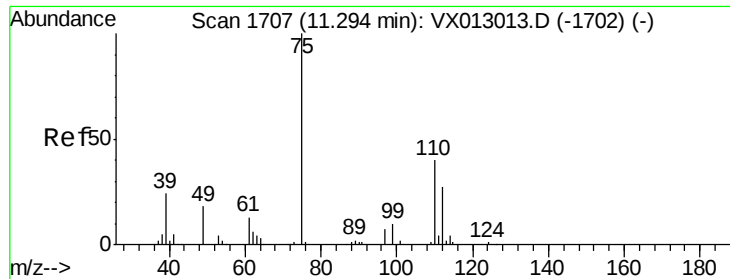


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 25.685 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

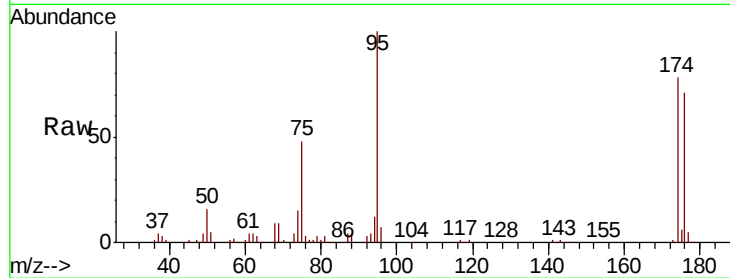
RB-01-SRI4

Tot Ion: 75 Resp: 50905

Ion Ratio Lower Upper

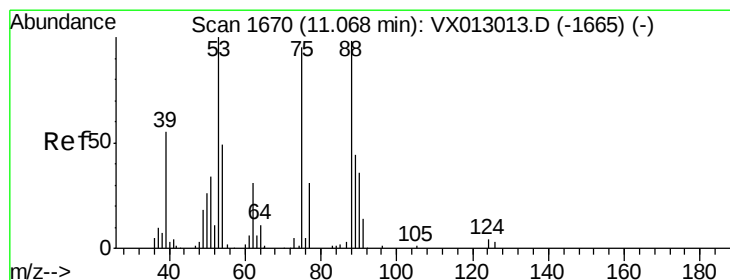
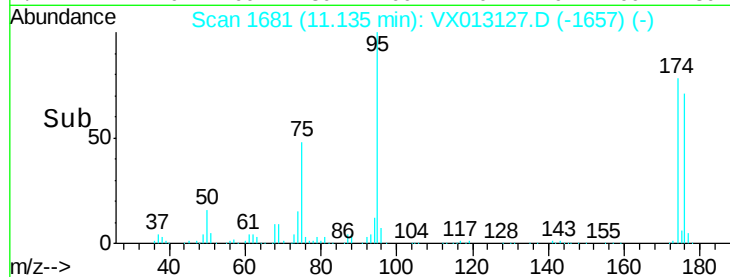
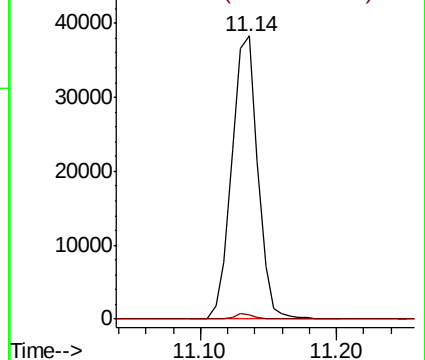
75 100

77 1.6 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: 64.738 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013127.D

Acq: 18 Oct 2019 15:11

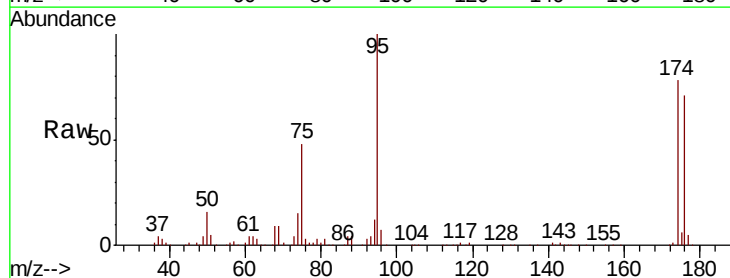
Tgt Ion: 75 Resp: 50905

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

