

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013114.D
 Acq On : 17 Oct 2019 17:54
 Operator : JC/SP
 Sample : K5414-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB-01-SRI4

Quant Time: Oct 18 08:05:00 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	170590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82864	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	102611	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.26%		
35) Dibromofluoromethane	5.49	113	80382	51.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.84%		
50) Toluene-d8	8.71	98	313792	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.94%		
62) 4-Bromofluorobenzene	11.14	95	98031	41.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	82.76%		

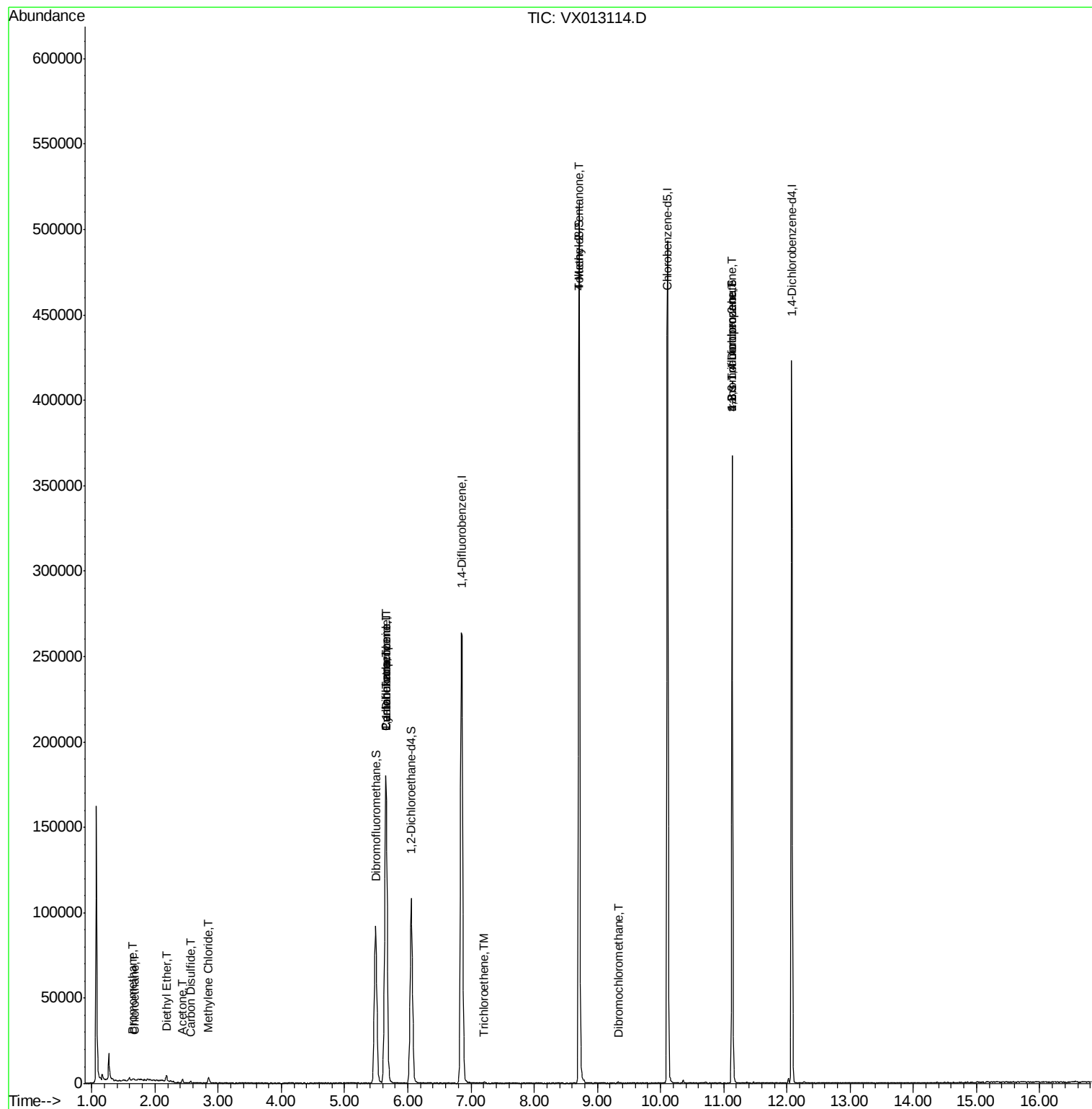
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	268	0.330	ug/l #	72
6) Chloroethane	1.67	64	144	0.487	ug/l #	43
8) Diethyl Ether	2.18	74	1115	1.048	ug/l	92
16) Acetone	2.44	43	2100	1.869	ug/l #	82
17) Carbon Disulfide	2.56	76	1252	0.255	ug/l #	85
20) Methylene Chloride	2.85	84	1537	0.744	ug/l #	83
31) Cyclohexane	5.65	56	3348	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12748	5.324	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17158	7.362	ug/l #	17
44) Trichloroethene	7.22	130	469	0.239	ug/l	46
51) 4-Methyl-2-Pentanone	8.71	43	1169	0.436	ug/l #	1
60) Dibromochloromethane	9.34	129	25	1.869	ug/l #	10
76) 1,2,3-Trichloropropane	11.14	75	48751	26.525	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	48751	66.722	ug/l #	10

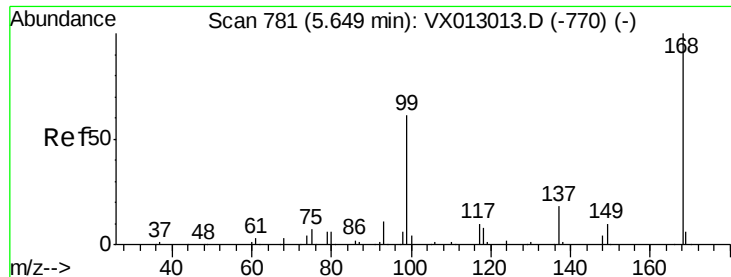
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013114.D

Acq: 17 Oct 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

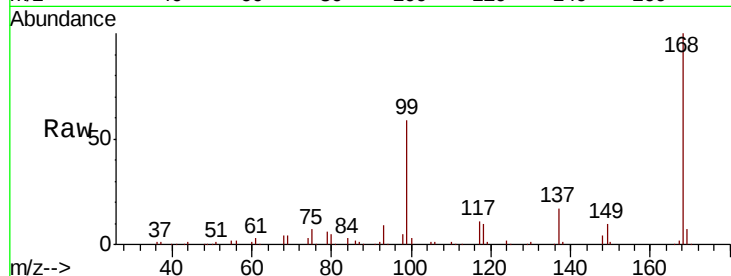
RB-01-SRI4

Tot Ion:168 Resp: 170590

Ion Ratio Lower Upper

168 100

99 58.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

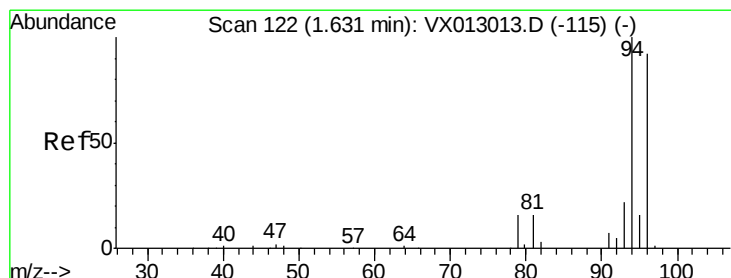
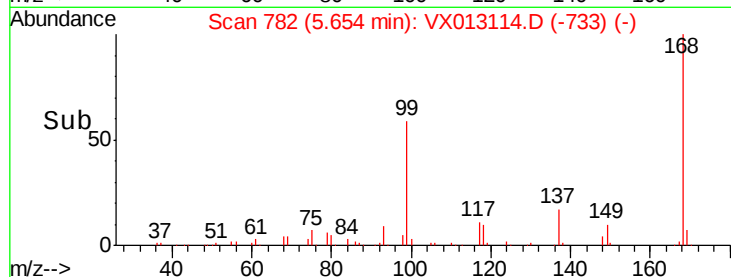
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013114.D

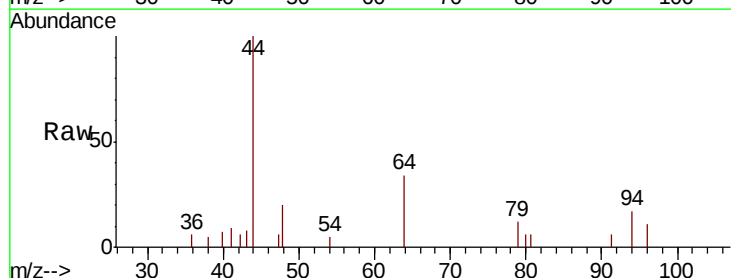
Acq: 17 Oct 2019 17:54

Tgt Ion: 94 Resp: 268

Ion Ratio Lower Upper

94 100

96 66.7 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

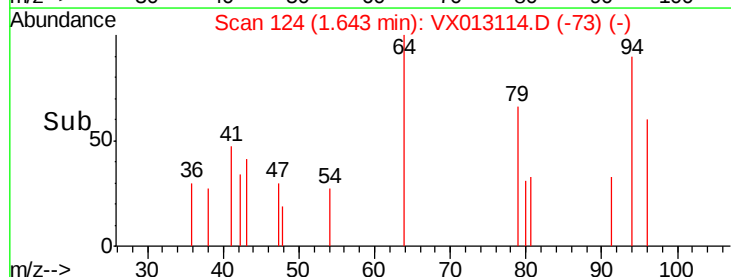
150

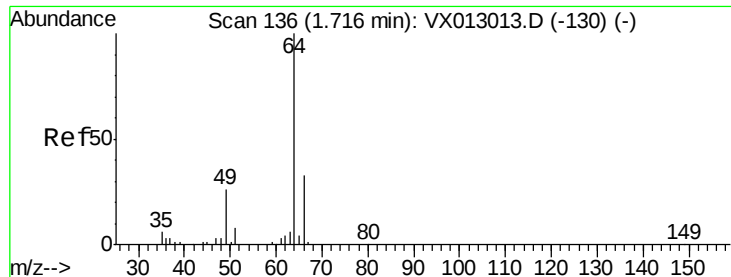
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.487 ug/l

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX013114.D

Acq: 17 Oct 2019 17:54

Instrument :

MSVOA_X

ClientSampled :

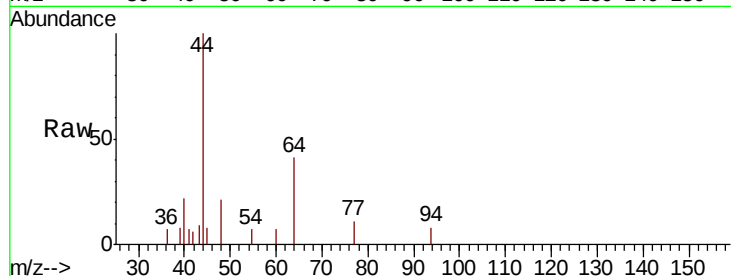
RB-01-SRI4

Tot Ion: 64 Resp: 144

Ion Ratio Lower Upper

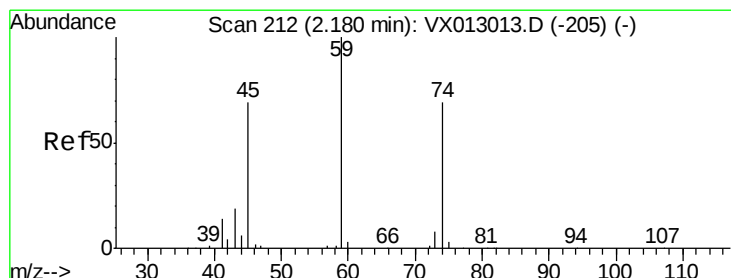
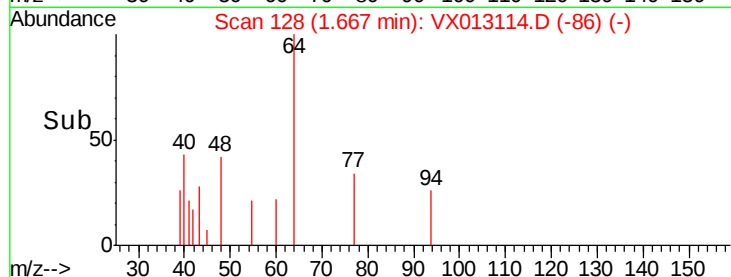
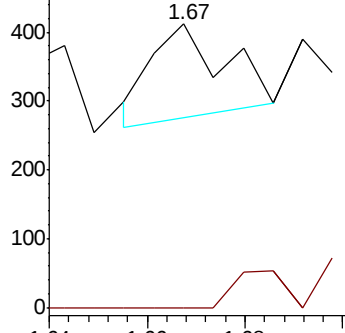
64 100

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



#8

Diethyl Ether

Concen: 1.048 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013114.D

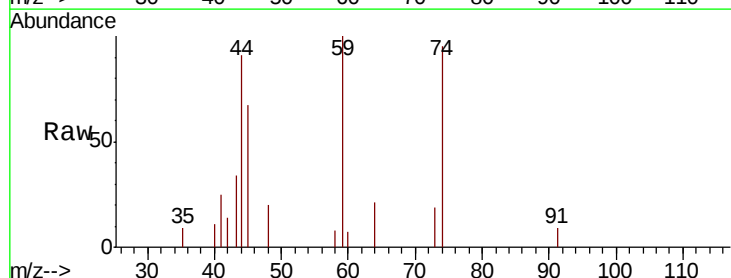
Acq: 17 Oct 2019 17:54

Tgt Ion: 74 Resp: 1115

Ion Ratio Lower Upper

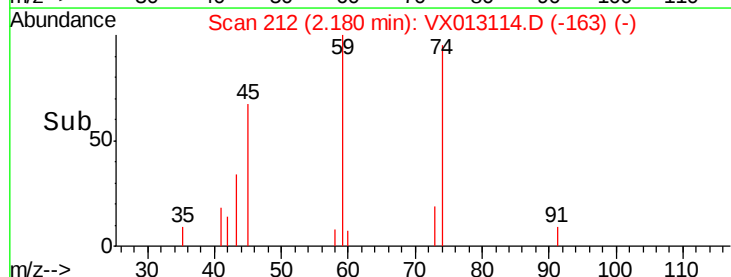
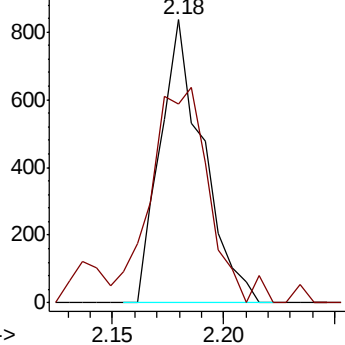
74 100

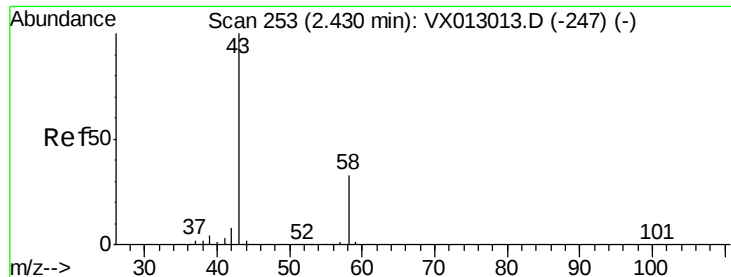
45 103.4 47.8 143.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#16

Acetone

Concen: 1.869 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013114.D

Acq: 17 Oct 2019 17:54

Instrument :

MSVOA_X

ClientSampled :

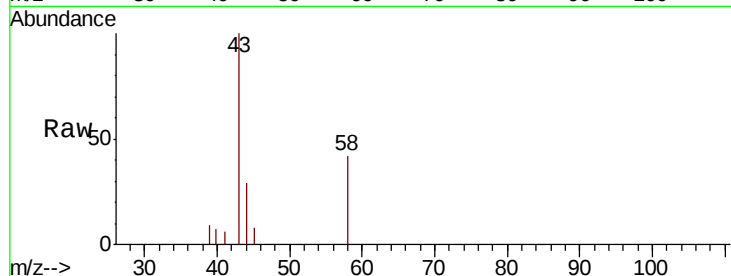
RB-01-SRI4

Tot Ion: 43 Resp: 2100

Ion Ratio Lower Upper

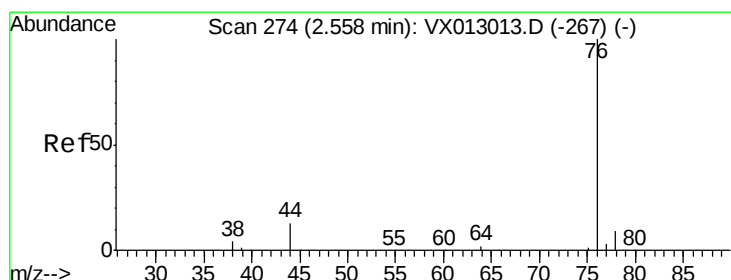
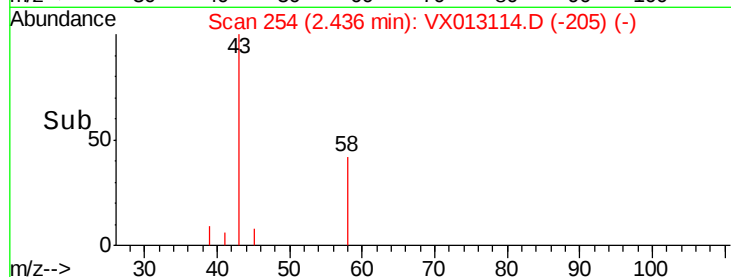
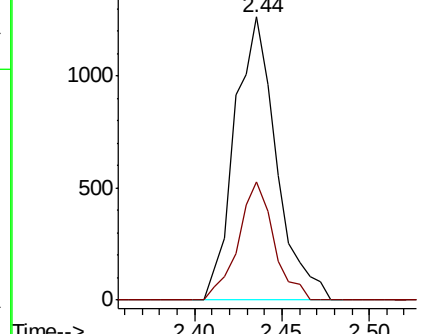
43 100

58 42.0 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.255 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013114.D

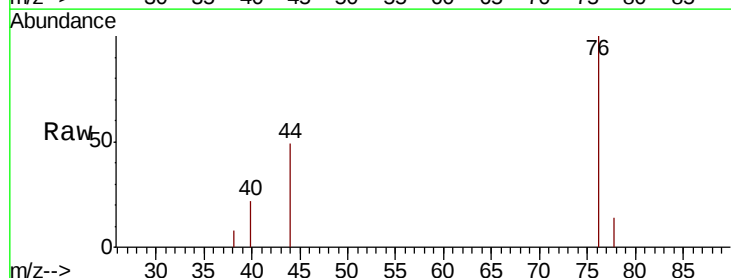
Acq: 17 Oct 2019 17:54

Tgt Ion: 76 Resp: 1252

Ion Ratio Lower Upper

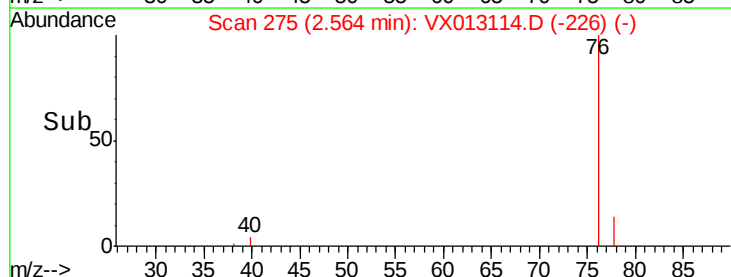
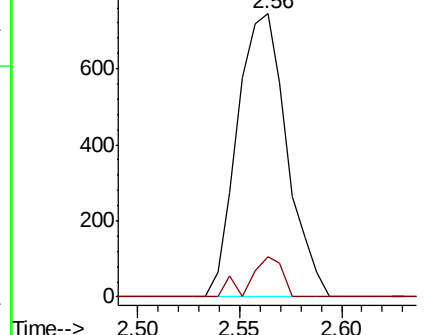
76 100

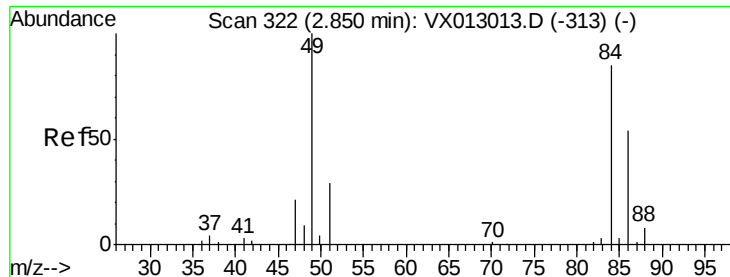
78 14.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

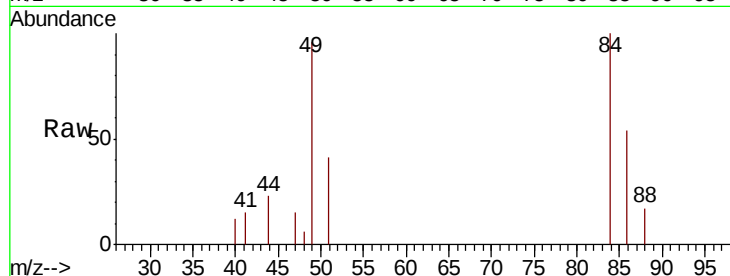




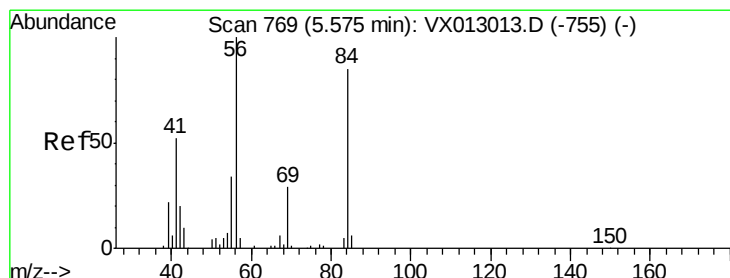
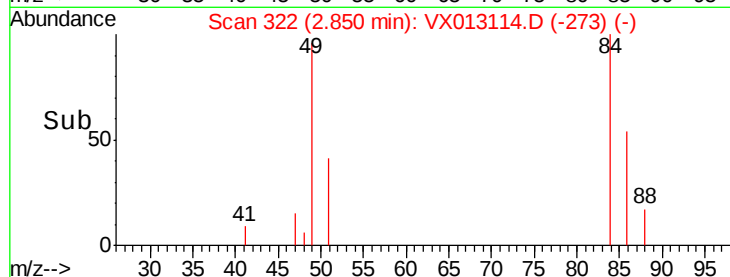
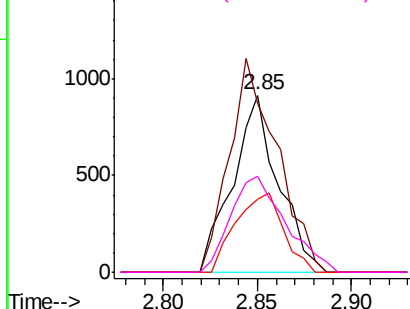
#20
Methvlene Chloride
Concen: 0.744 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

Instrument :
MSVOA_X
ClientSampleId :
RB-01-SRI4

Tot Ion: 84 Resp: 1537
Ion Ratio Lower Upper
84 100
49 95.5 96.6 144.8#
51 41.0 30.7 46.1
86 53.9 51.0 76.6

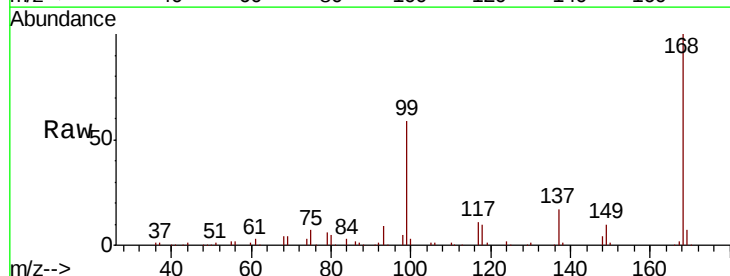


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

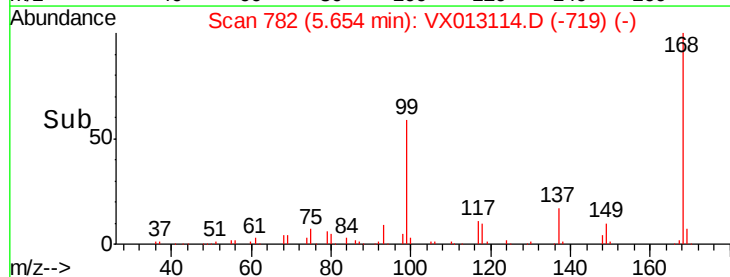
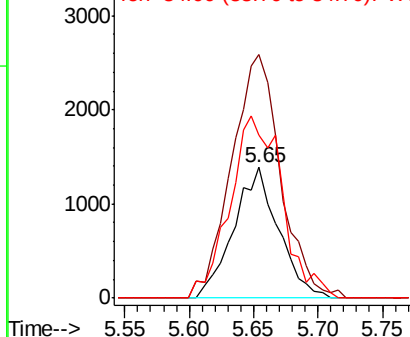


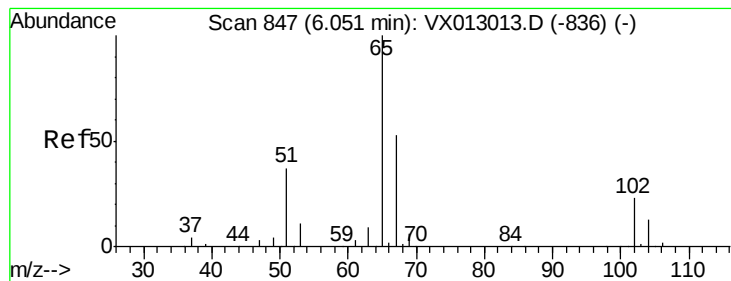
#31
Cyclohexane
Concen: 1.082 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

Tgt Ion: 56 Resp: 3348
Ion Ratio Lower Upper
56 100
69 186.5 25.2 37.8#
84 124.4 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: 48.125 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX013114.D

Acq: 17 Oct 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

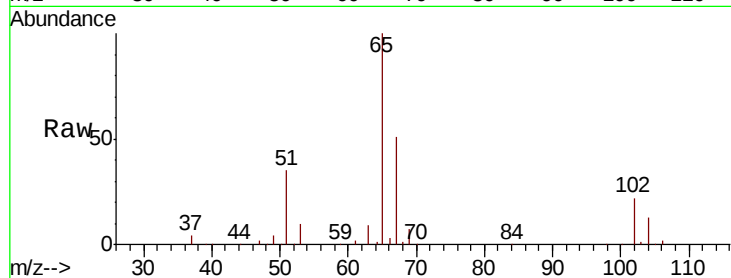
RB-01-SRI4

Tot Ion: 65 Resp: 102611

Ion Ratio Lower Upper

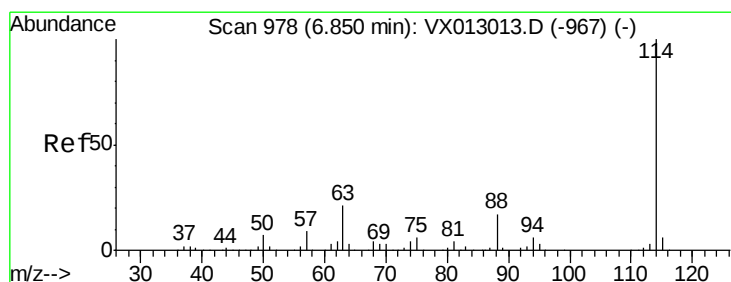
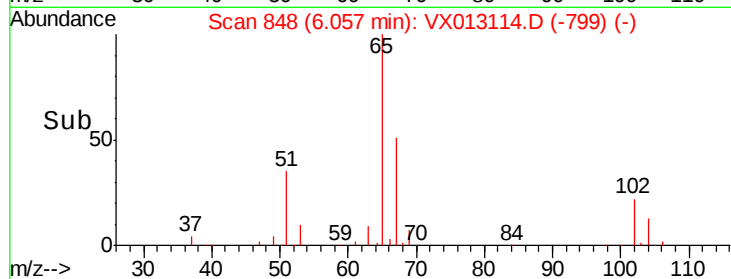
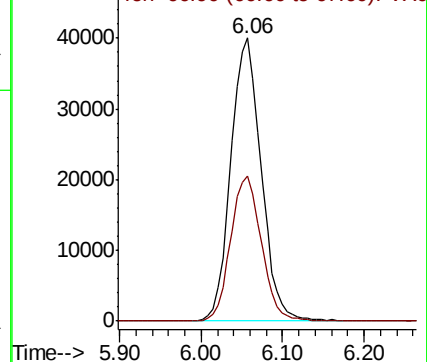
65 100

67 52.0 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: VX013114.D

Acq: 17 Oct 2019 17:54

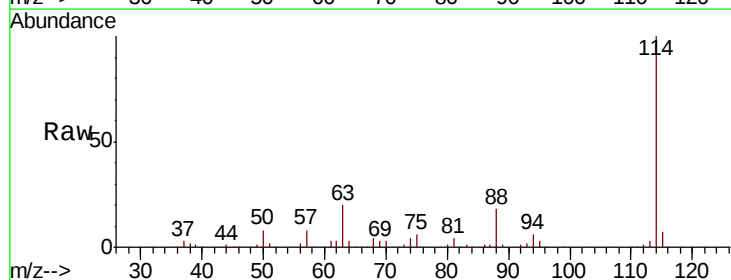
Tgt Ion: 114 Resp: 272358

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

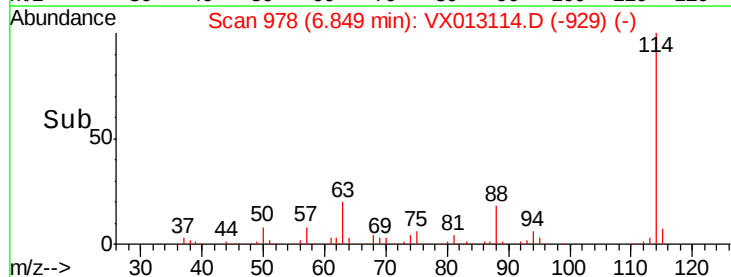
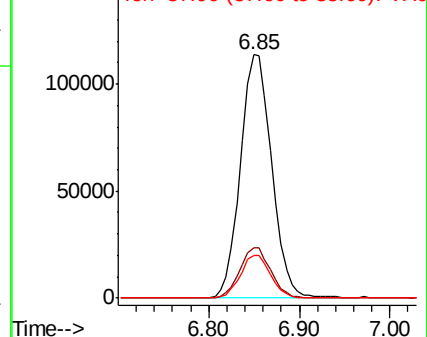
88 17.6 0.0 33.8

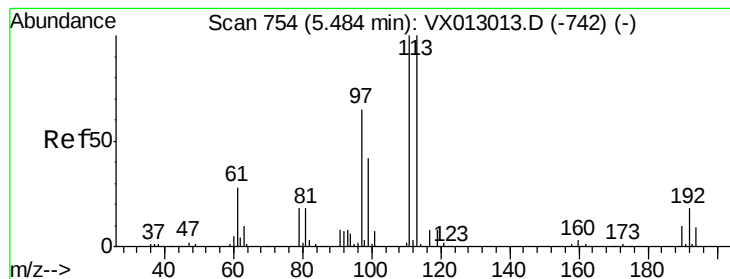


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.422 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013114.D

Acq: 17 Oct 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

RB-01-SRI4

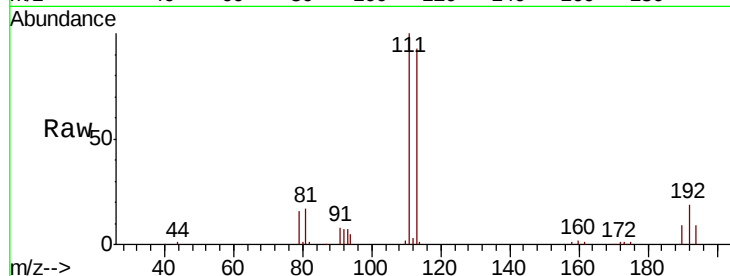
Tot Ion:113 Resp: 80382

Ion Ratio Lower Upper

113 100

111 103.1 83.2 124.8

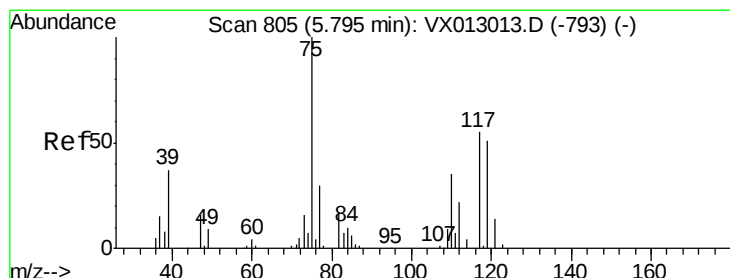
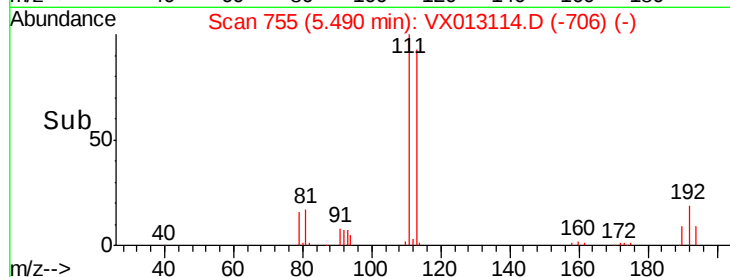
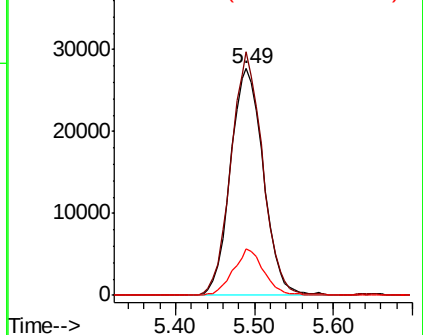
192 18.8 15.4 23.2



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: 5.324 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013114.D

Acq: 17 Oct 2019 17:54

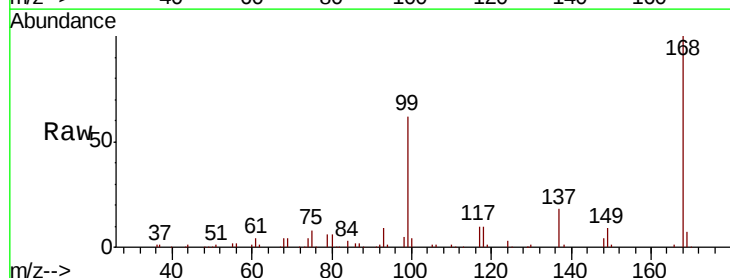
Tgt Ion: 75 Resp: 12748

Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.9#

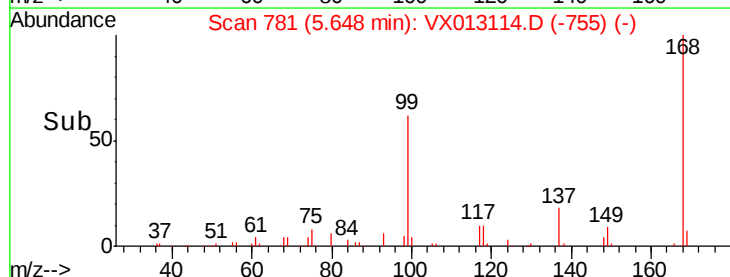
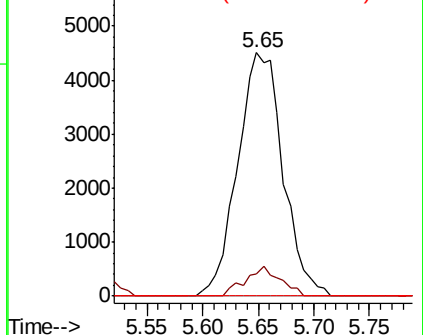
77 0.0 24.4 36.6#

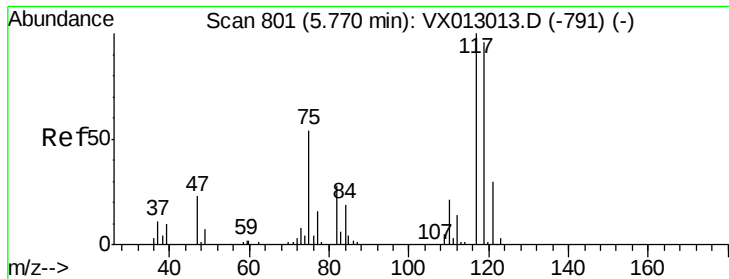


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

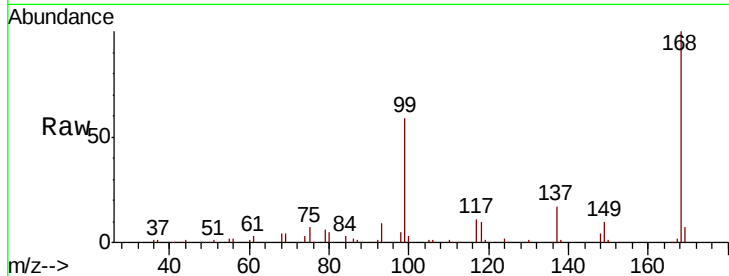




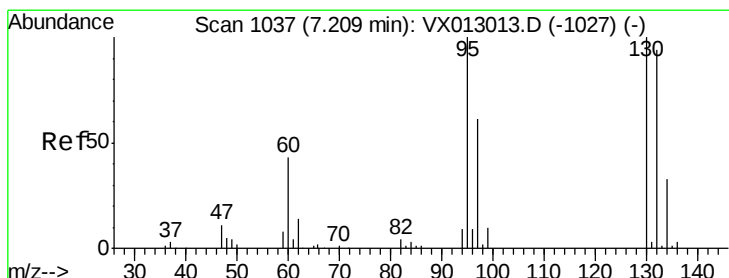
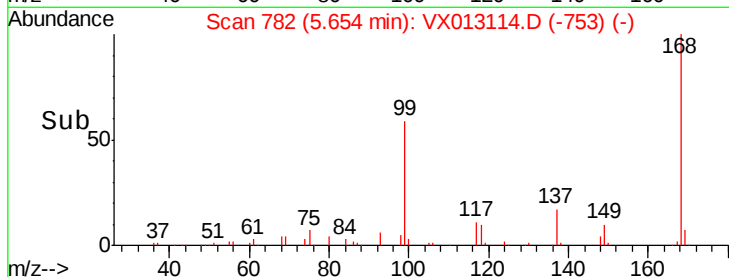
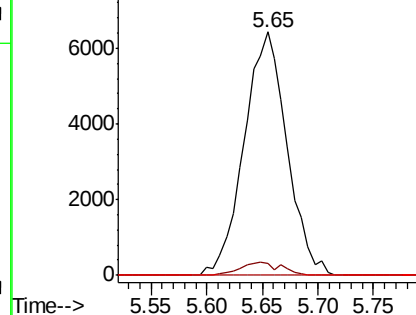
#38
Carbon Tetrachloride
Concen: 7.362 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

Instrument :
MSVOA_X
ClientSampled :
RB-01-SRI4

Tot Ion:117 Resp: 17158
Ion Ratio Lower Upper
117 100
119 4.9 74.5 111.7#
121 0.0 24.2 36.4#

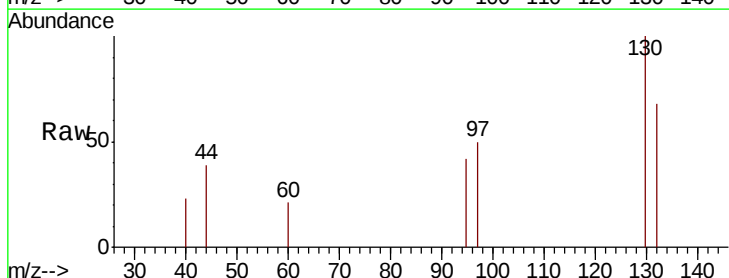


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

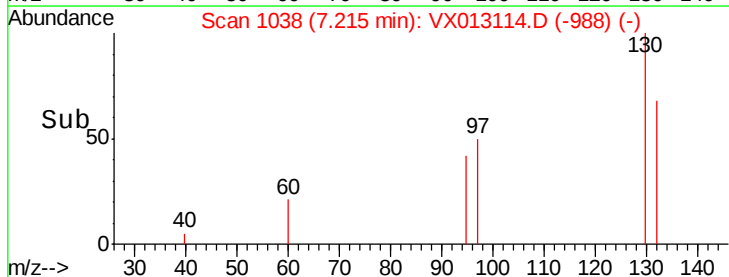
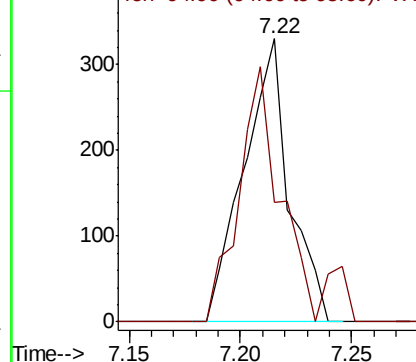


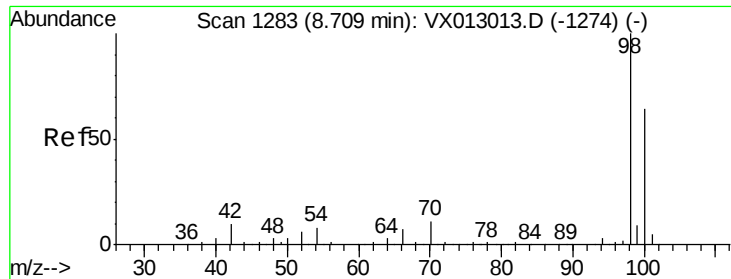
#44
Trichloroethene
Concen: 0.239 ug/l
RT: 7.22 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

Tgt Ion:130 Resp: 469
Ion Ratio Lower Upper
130 100
95 42.1 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

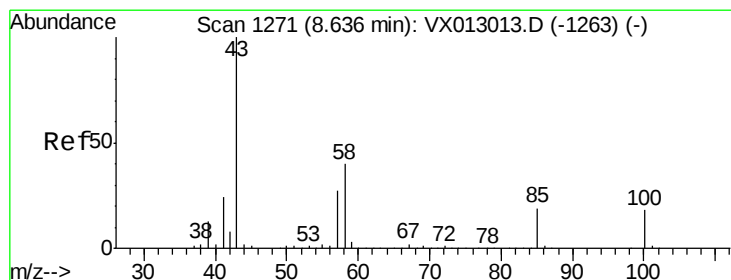
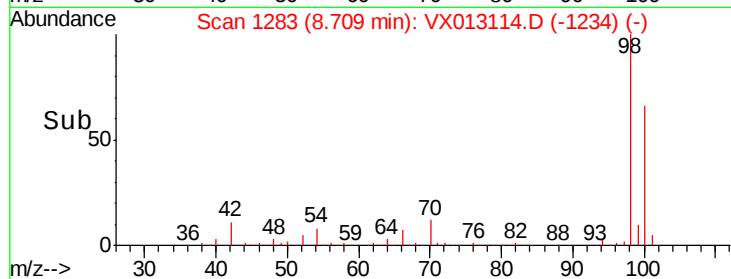
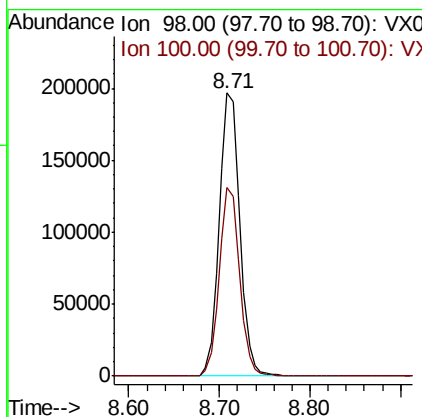
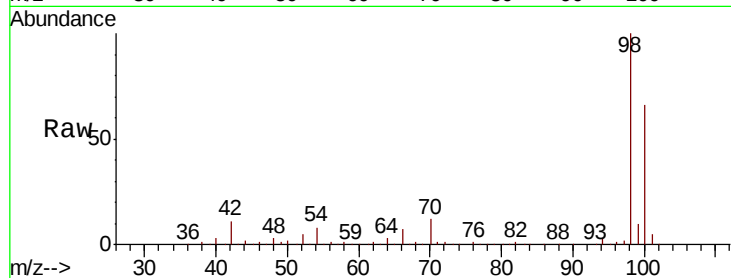




#50
Toluene-d8
Concen: 51.468 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

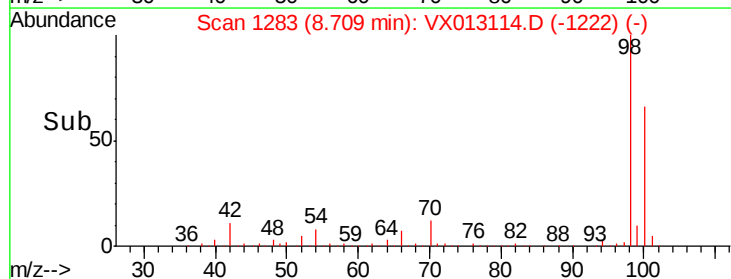
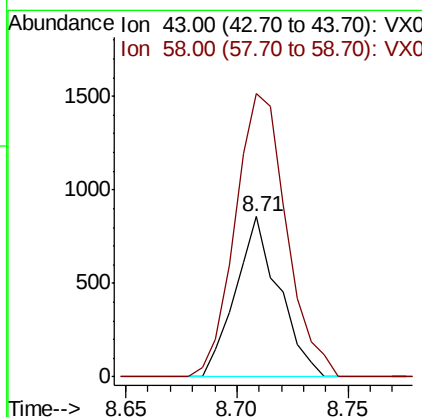
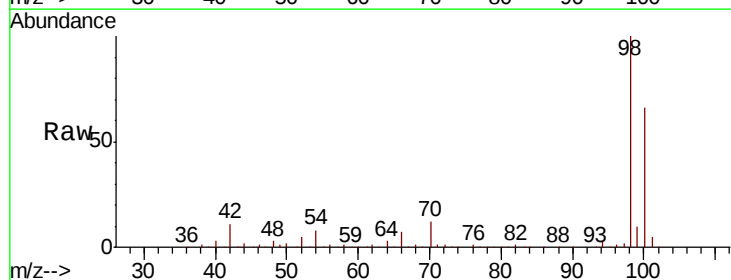
Instrument :
MSVOA_X
ClientSampleId :
RB-01-SRI4

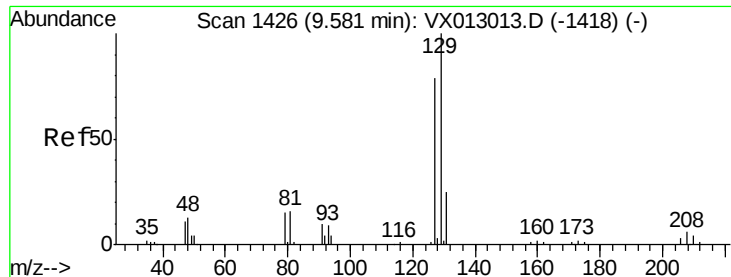
Tot Ion: 98 Resp: 313792
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.436 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
58 208.1 32.4 48.6#

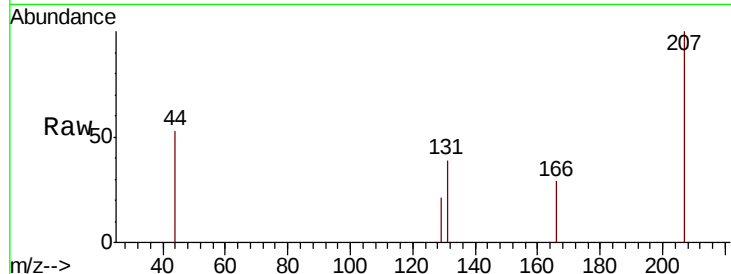




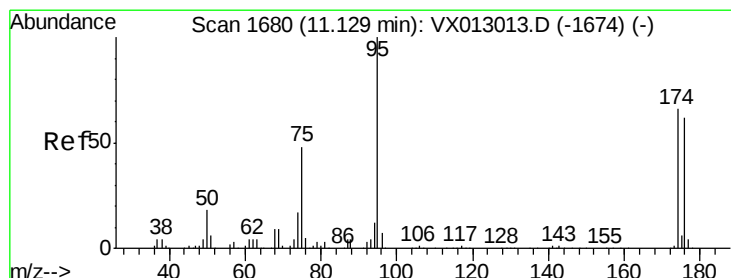
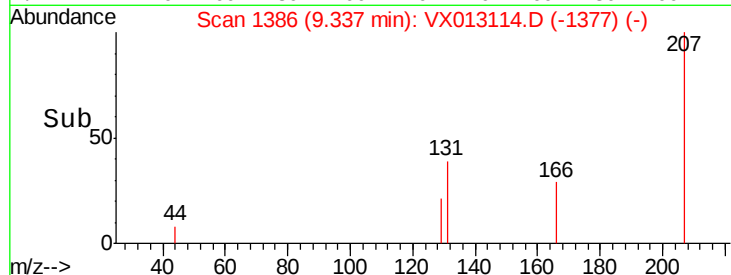
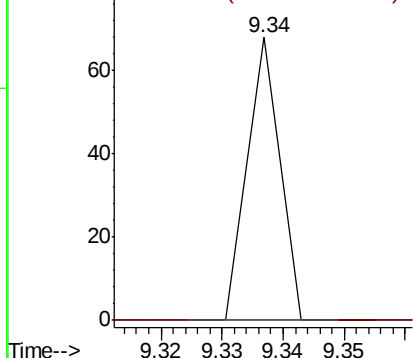
#60
 Dibromochloromethane
 Concen: 1.869 ug/l
 RT: 9.34 min Scan# 1386
 Delta R.T. -0.24 min
 Lab File: VX013114.D
 Acq: 17 Oct 2019 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 RB-01-SRI4

Tot Ion: 129 Resp: 25
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#

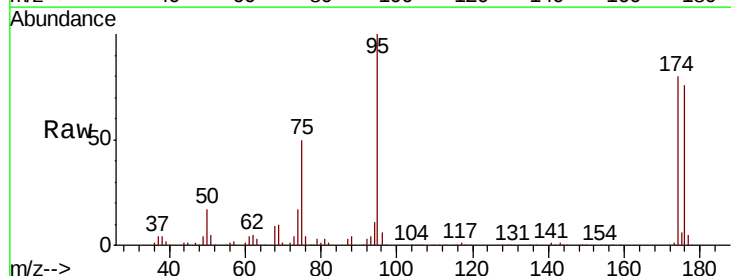


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

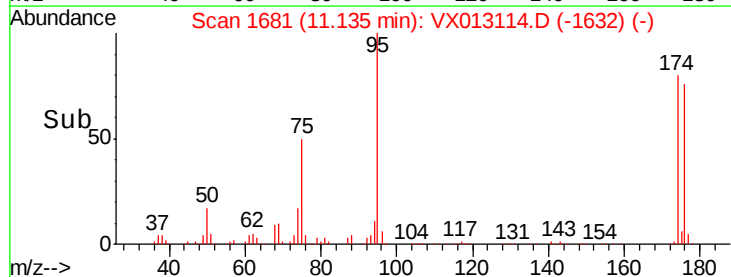
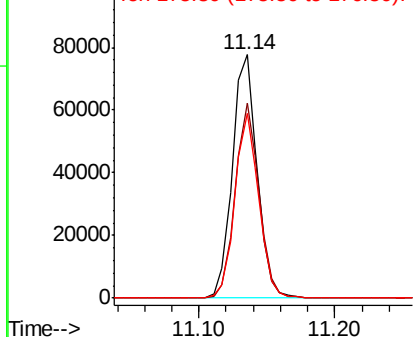


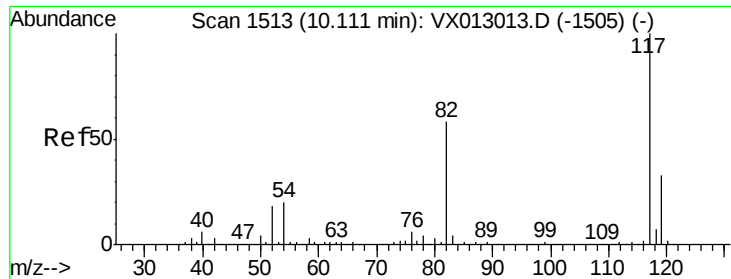
#62
 4-Bromofluorobenzene
 Concen: 41.381 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX013114.D
 Acq: 17 Oct 2019 17:54

Tgt Ion: 95 Resp: 98031
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 143.4
 176 73.5 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

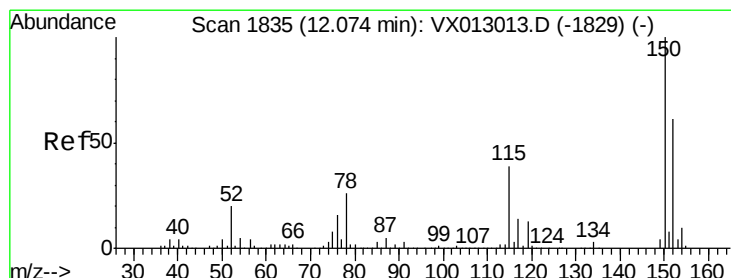
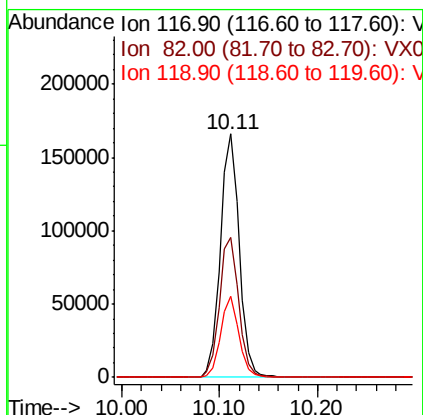
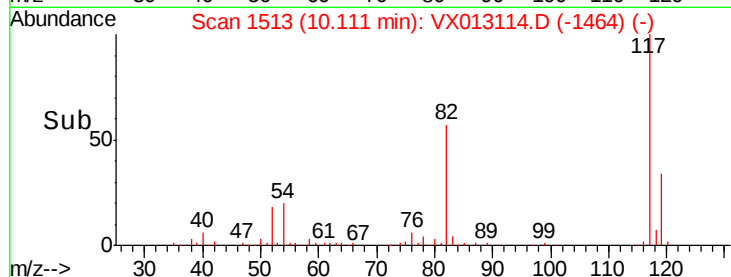
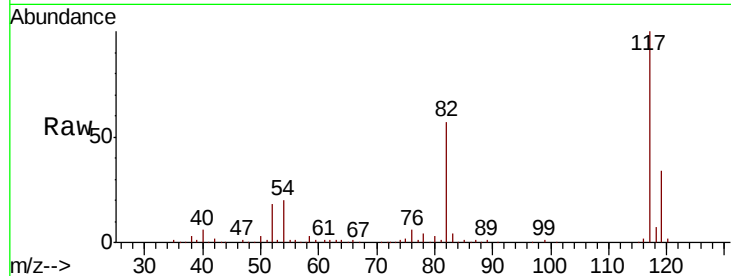




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

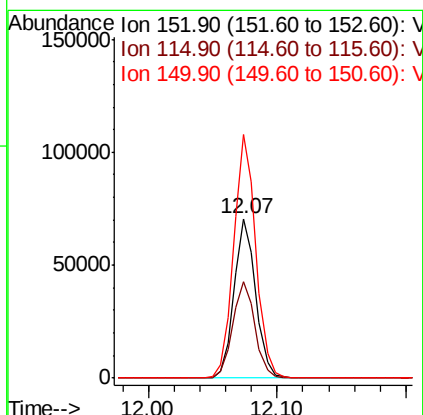
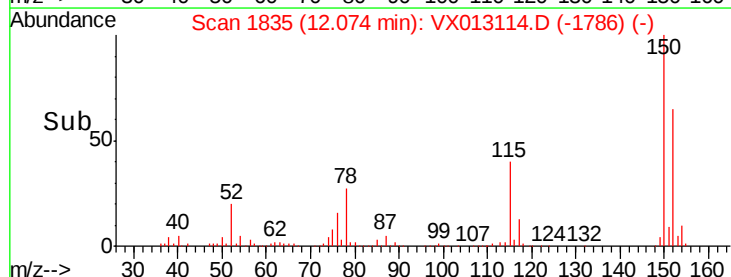
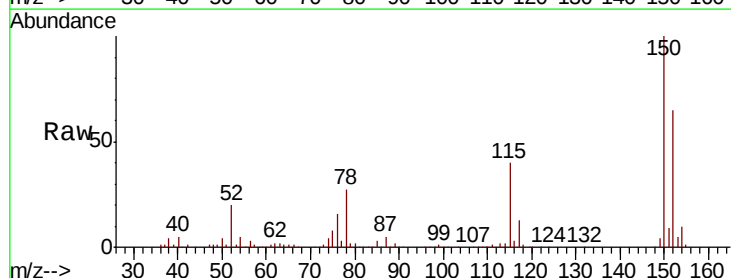
Instrument :
MSVOA_X
ClientSampleId :
RB-01-SRI4

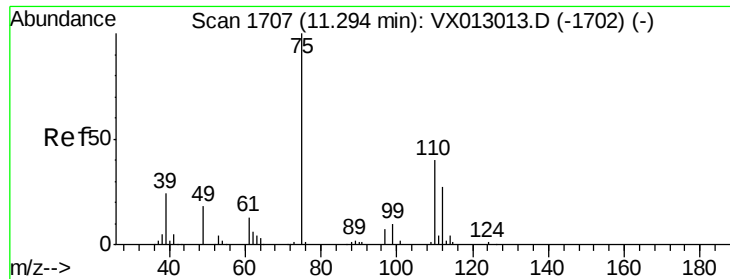
Tot Ion:117 Resp: 222829
Ion Ratio Lower Upper
117 100
82 57.4 44.1 66.1
119 33.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013114.D
Acq: 17 Oct 2019 17:54

Tgt Ion:152 Resp: 82864
Ion Ratio Lower Upper
152 100
115 62.2 44.5 133.5
150 155.7 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 26.525 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013114.D

Acq: 17 Oct 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

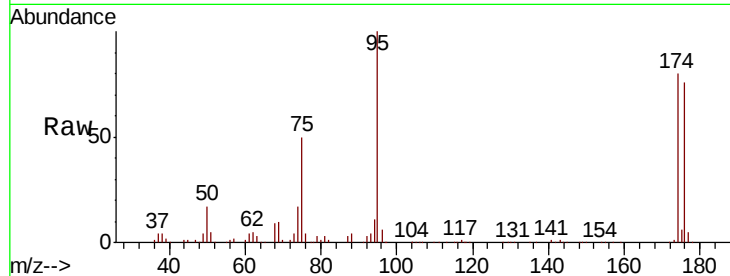
RB-01-SRI4

Tot Ion: 75 Resp: 48751

Ion Ratio Lower Upper

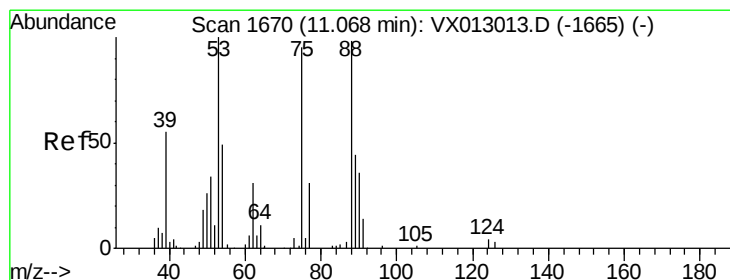
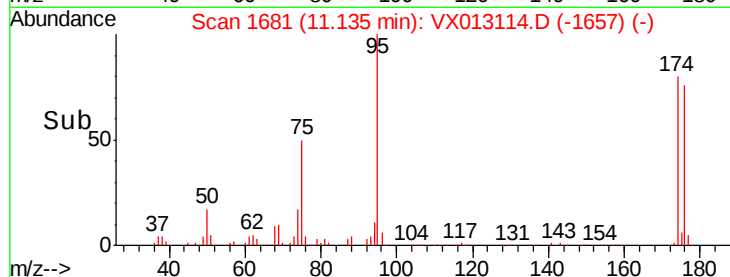
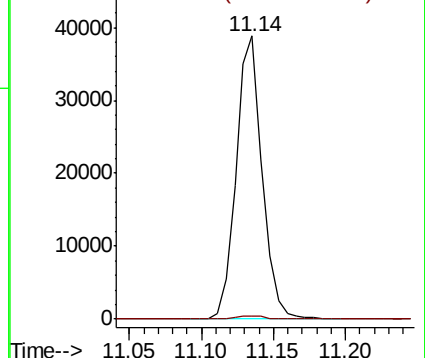
75 100

77 1.1 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: 66.722 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013114.D

Acq: 17 Oct 2019 17:54

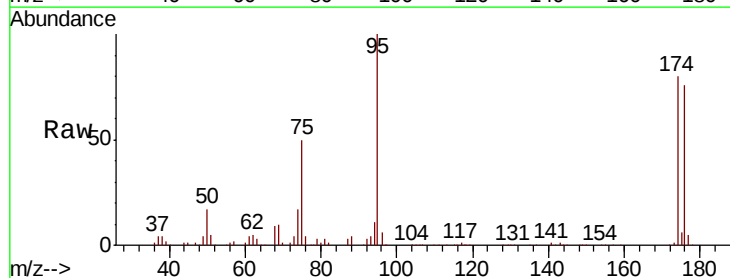
Tgt Ion: 75 Resp: 48751

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

