

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013220.D
 Acq On : 25 Oct 2019 10:56
 Operator : JC/SP
 Sample : VX1025WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBL02

Quant Time: Oct 25 23:01:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	77326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	109802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	107382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	63880	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	88716	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
35) Dibromofluoromethane	5.48	113	66558	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	
50) Toluene-d8	8.71	98	240910	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	11.13	95	90481	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

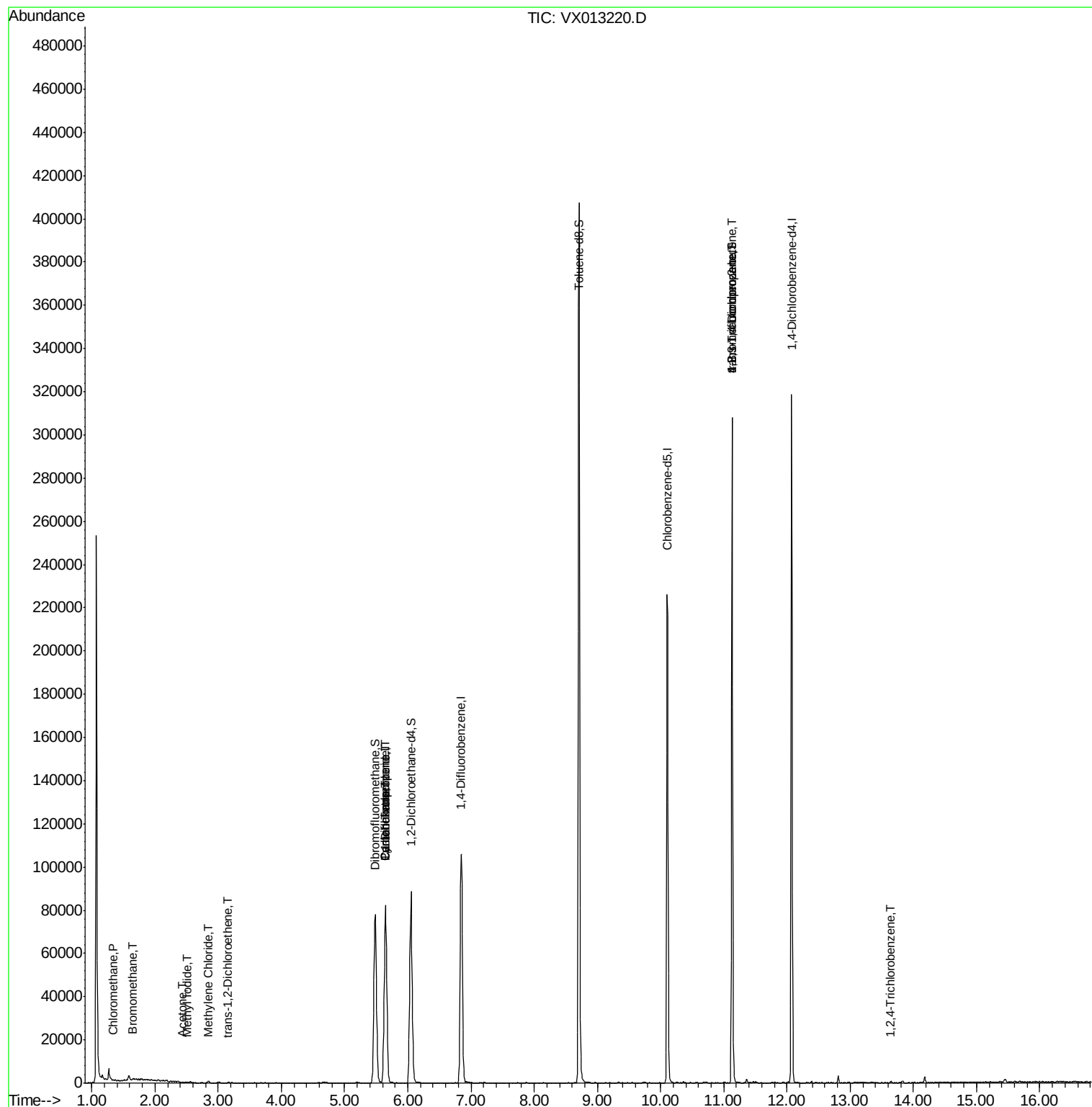
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	22	0.994	ug/l #	40
5) Bromomethane	1.65	94	341	0.458	ug/l #	58
6) Chloroethane	1.72	64	267	Below Cal	#	43
10) Methyl Iodide	2.51	142	262	3.681	ug/l #	84
11) Tert butyl alcohol	3.01	59	337	Below Cal	#	72
16) Acetone	2.44	43	328	0.430	ug/l #	45
20) Methylene Chloride	2.85	84	405	0.571	ug/l #	63
21) trans-1,2-Dichloroethene	3.15	96	164	0.595	ug/l #	67
31) Cyclohexane	5.64	56	1613	0.771	ug/l #	37
36) 1,1-Dichloropropene	5.65	75	5767	3.065	ug/l #	47
38) Carbon Tetrachloride	5.64	117	7585	3.737	ug/l #	14
64) Tetrachloroethene	9.34	164	52	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	44448	28.869	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	44448	79.332	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	336	0.216	ug/l #	63

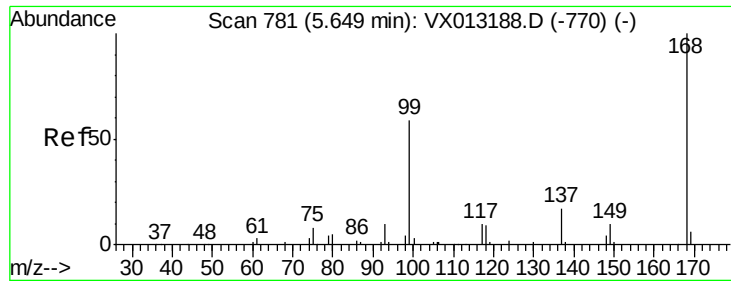
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013220.D

Acq: 25 Oct 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

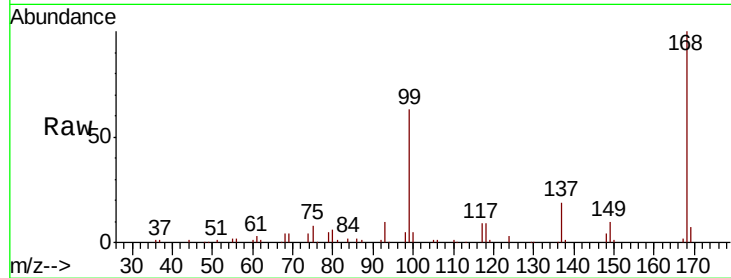
VX1025WBL02

Tot Ion:168 Resp: 77326

Ion Ratio Lower Upper

168 100

99 62.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

25000

20000

15000

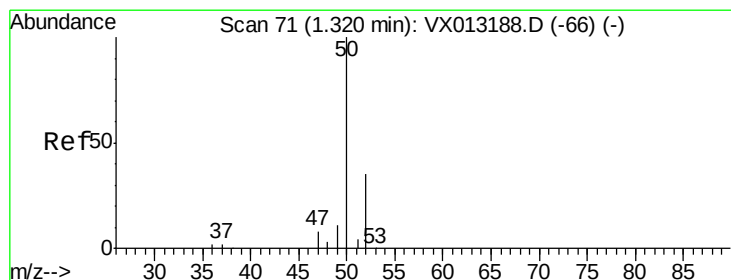
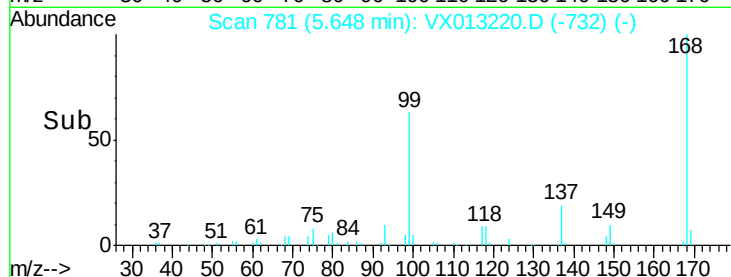
10000

5000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.994 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.01 min

Lab File: VX013220.D

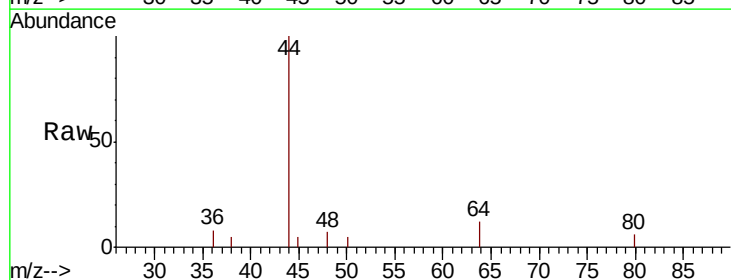
Acq: 25 Oct 2019 10:56

Tgt Ion: 50 Resp: 22

Ion Ratio Lower Upper

50 100

52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

60

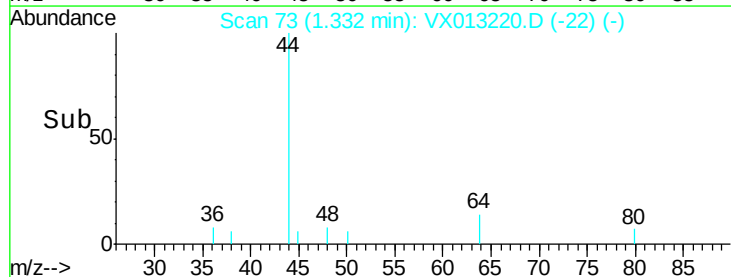
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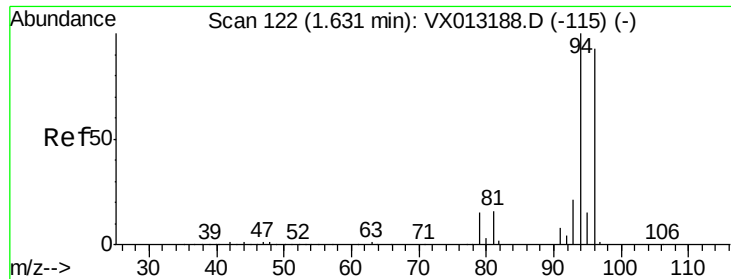
20

0

Time-->

1.31 1.32 1.33 1.34 1.35





#5

Bromomethane

Concen: 0.458 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013220.D

Acq: 25 Oct 2019 10:56

Instrument :

MSVOA_X

ClientSampled :

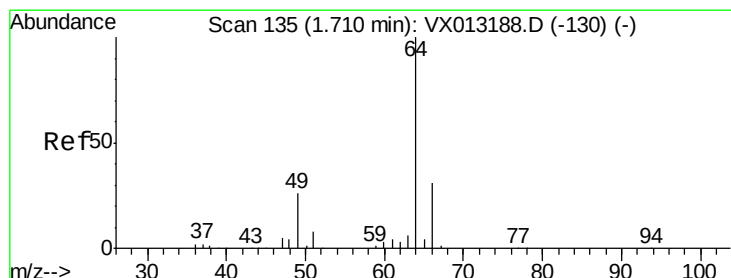
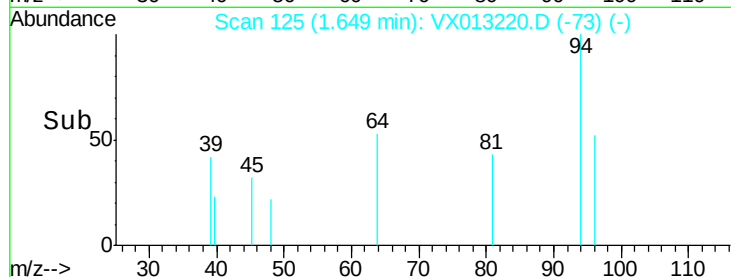
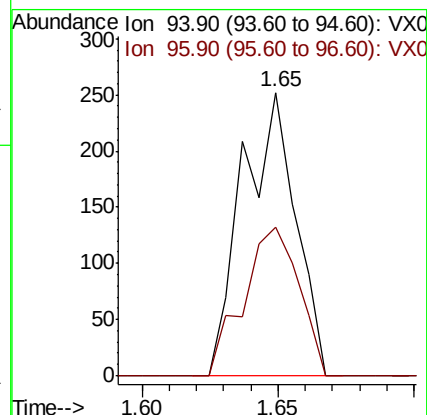
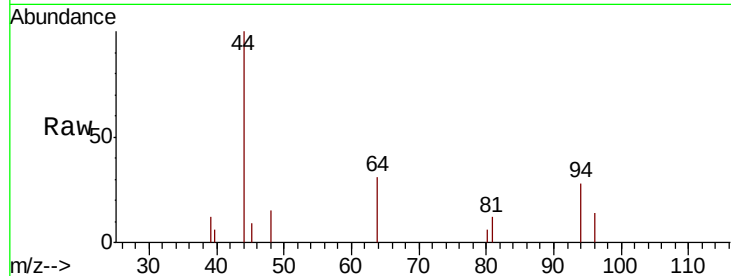
VX1025WBL02

Tot Ion: 94 Resp: 341

Ion Ratio Lower Upper

94 100

96 52.4 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013220.D

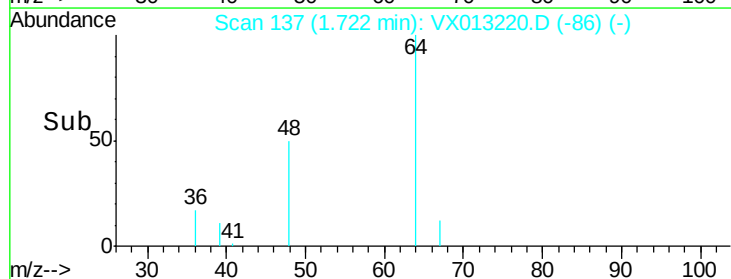
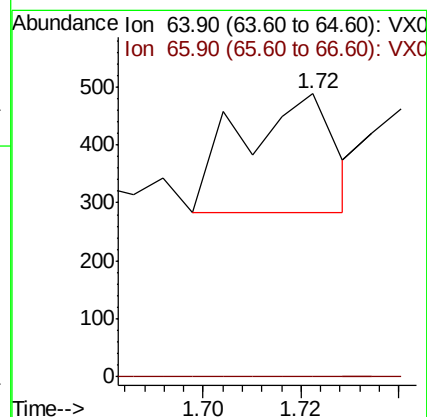
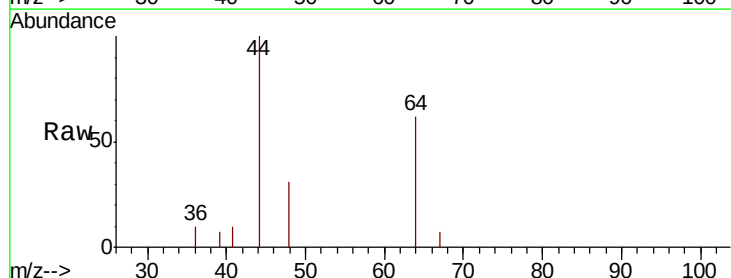
Acq: 25 Oct 2019 10:56

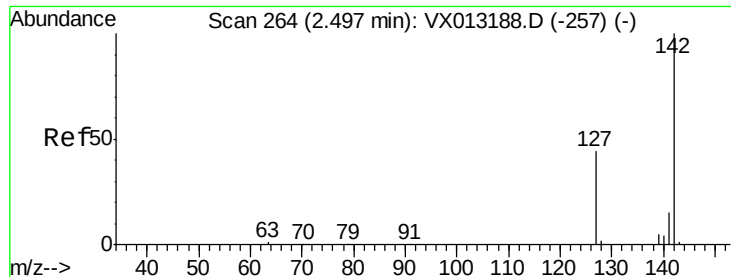
Tgt Ion: 64 Resp: 267

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#

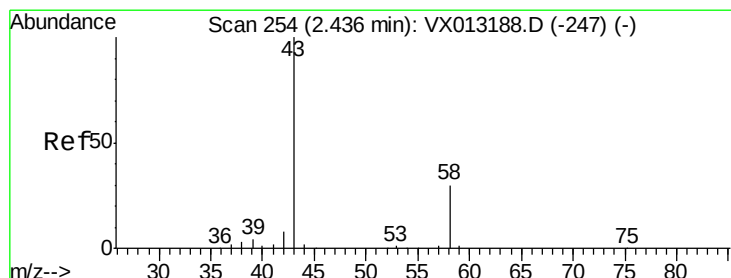
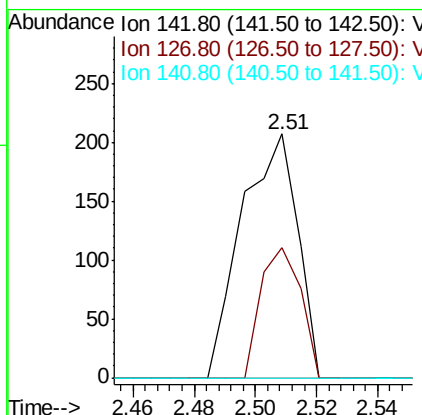
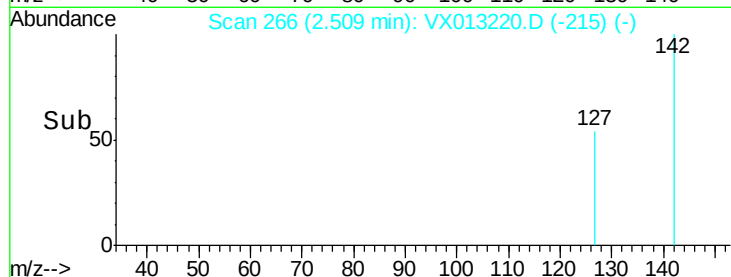
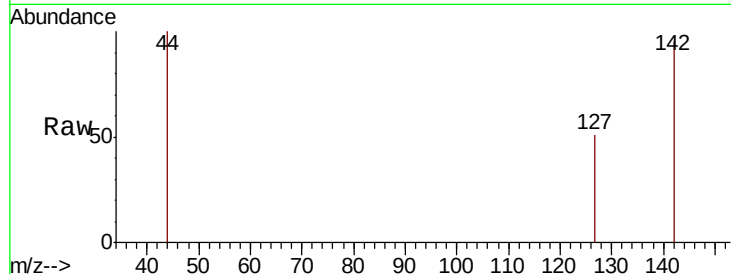




#10
Methvl Iodide
Concen: 3.681 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

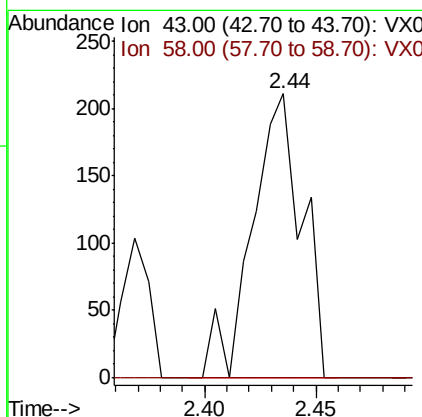
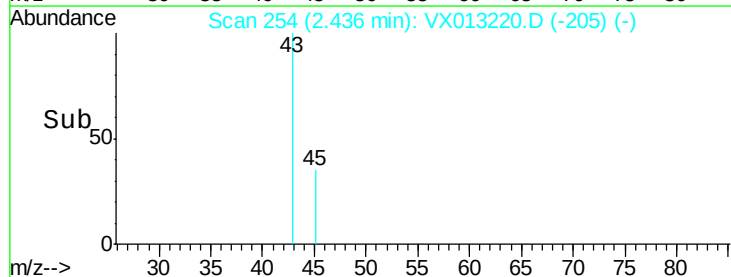
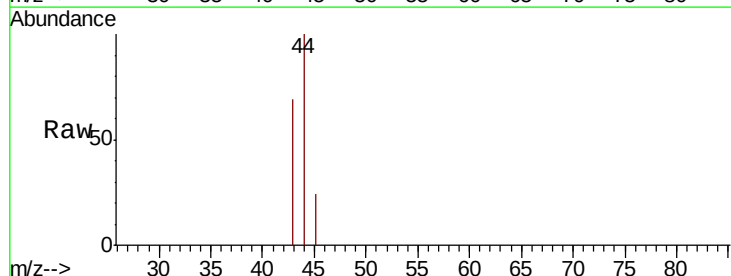
Instrument :
MSVOA_X
ClientSampled :
VX1025WBL02

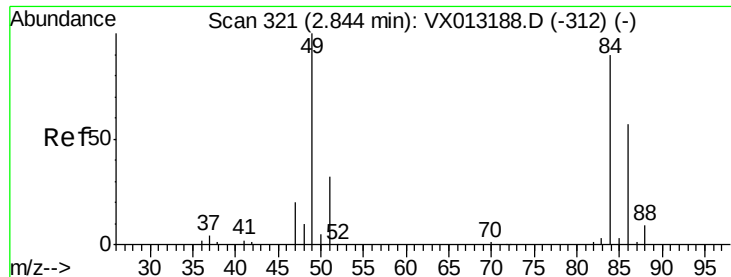
Tot Ion:142 Resp: 262
Ion Ratio Lower Upper
142 100
127 38.5 35.6 53.4
141 0.0 11.6 17.4#



#16
Acetone
Concen: 0.430 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#

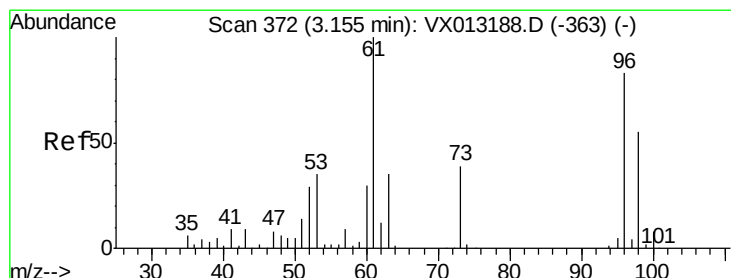
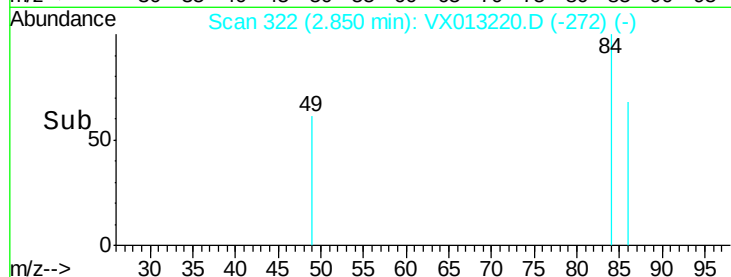
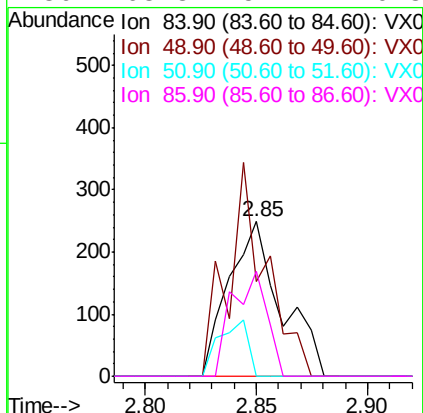
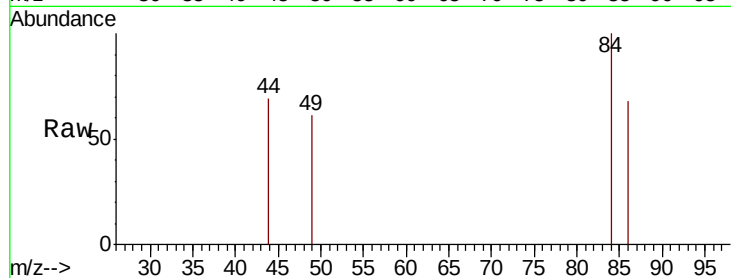




#20
Methylene Chloride
Concen: 0.571 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

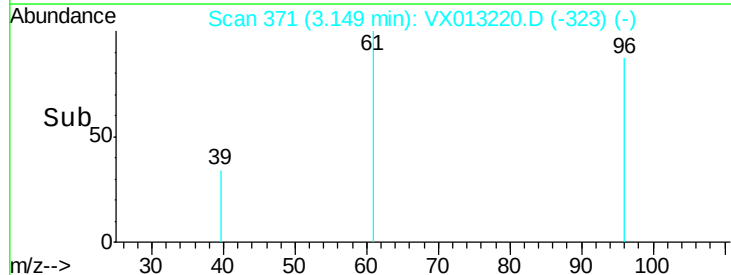
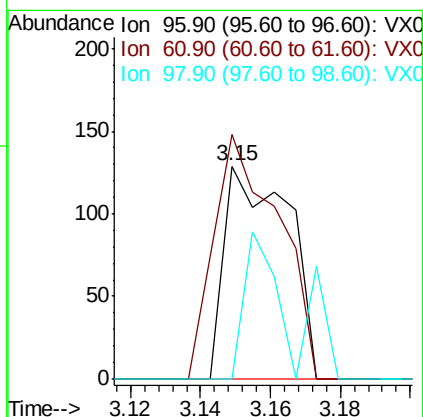
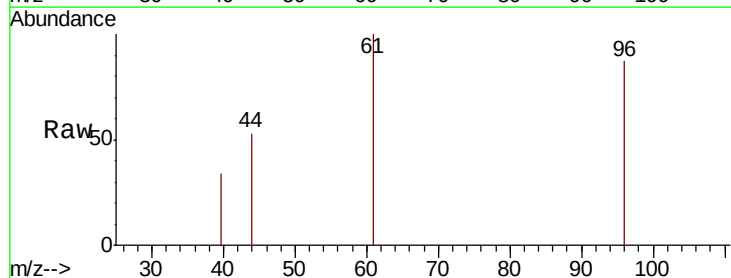
Instrument :
MSVOA_X
ClientSampled :
VX1025WBL02

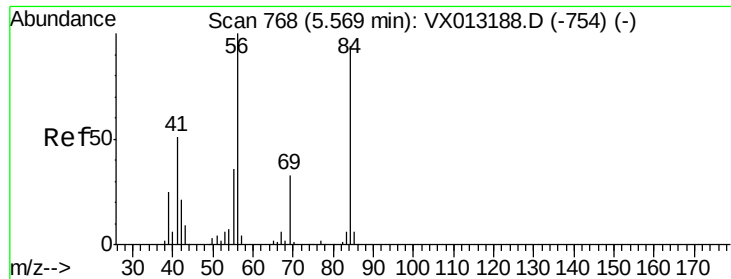
Tot Ion: 84 Resp: 405
Ion Ratio Lower Upper
84 100
49 61.4 89.2 133.8#
51 0.0 28.8 43.2#
86 68.3 51.2 76.8



#21
trans-1,2-Dichloroethene
Concen: 0.595 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

Tgt Ion: 96 Resp: 164
Ion Ratio Lower Upper
96 100
61 114.7 96.9 145.3
98 0.0 53.0 79.4#

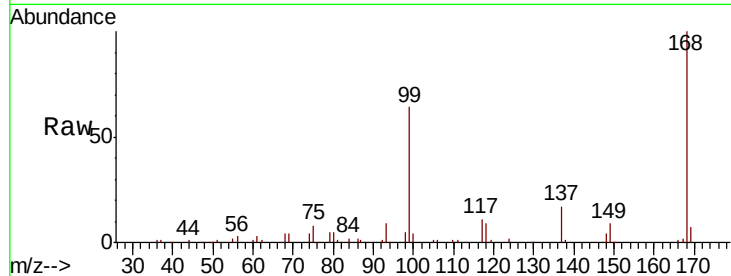




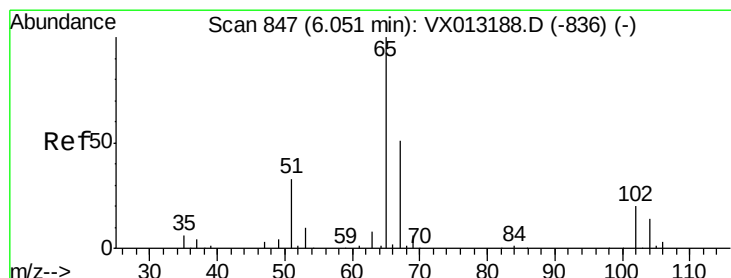
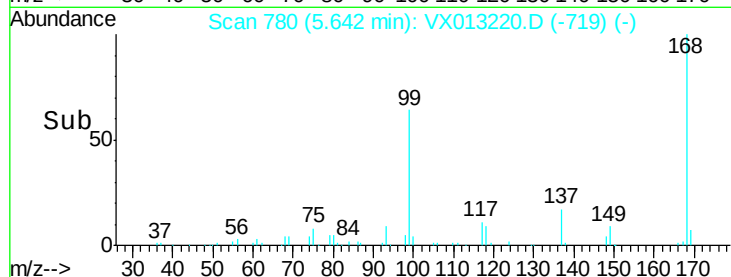
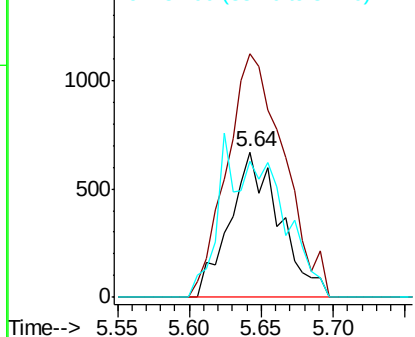
#31
Cyclohexane
Concen: 0.771 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL02

Tot Ion: 56 Resp: 1613
Ion Ratio Lower Upper
56 100
69 167.4 26.3 39.5#
84 93.1 73.8 110.6

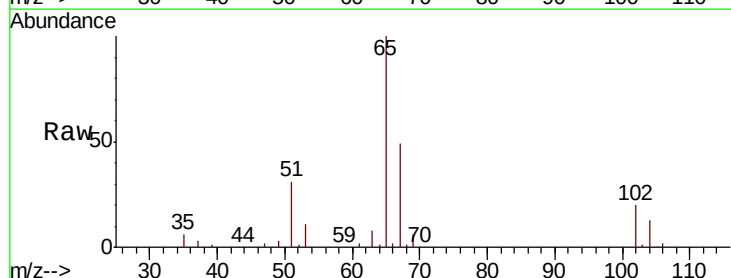


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

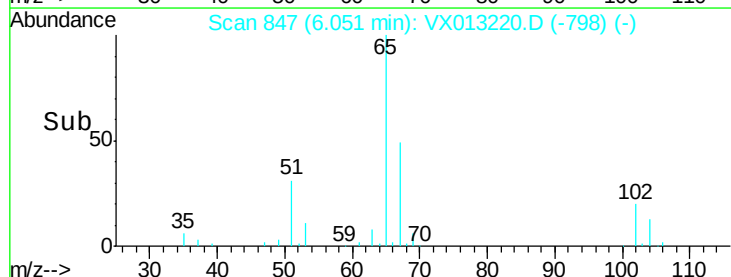
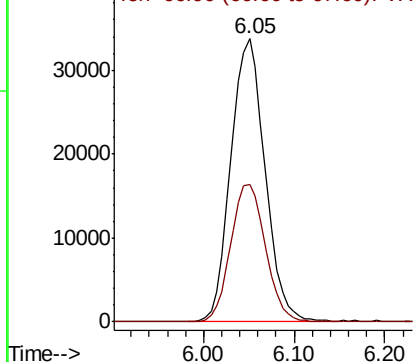


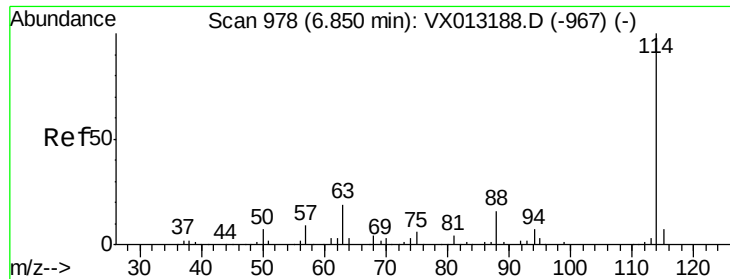
#33
1,2-Dichloroethane-d4
Concen: 54.854 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

Tgt Ion: 65 Resp: 88716
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

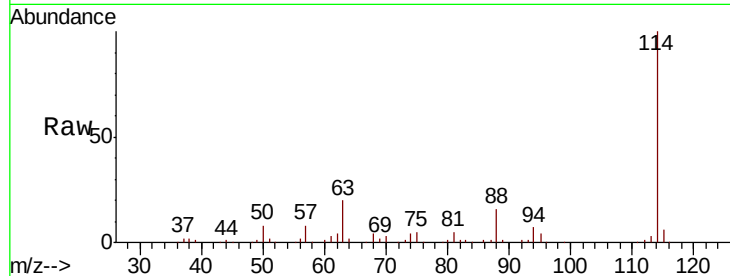




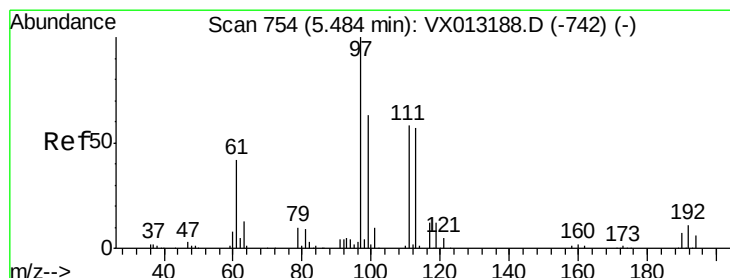
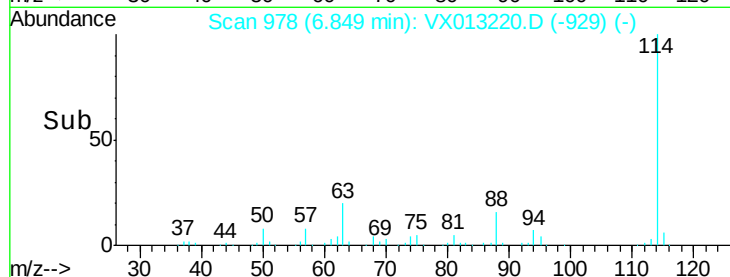
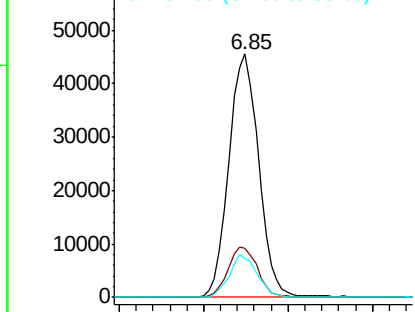
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013220.D
 Acq: 25 Oct 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.0
88	16.1	0.0	32.0

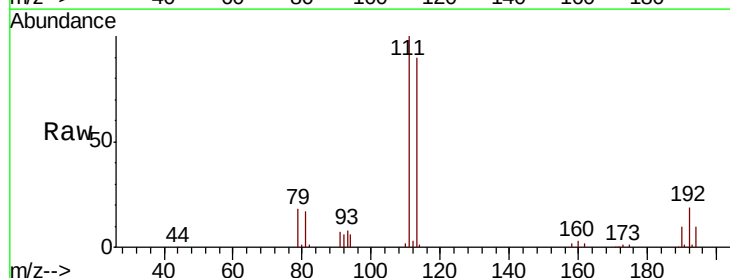


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

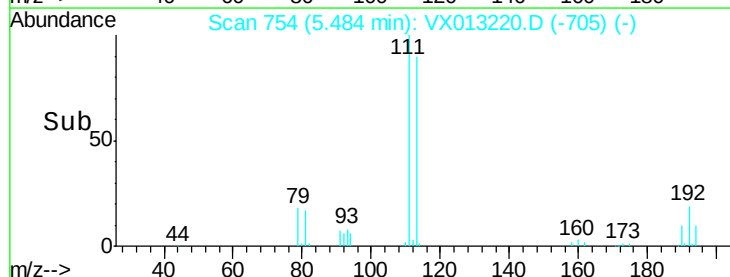
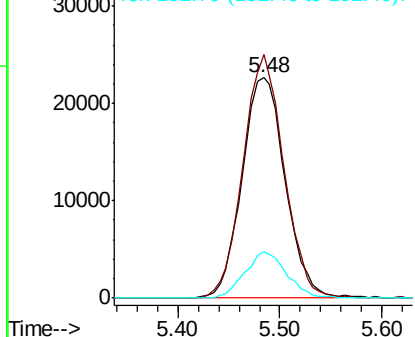


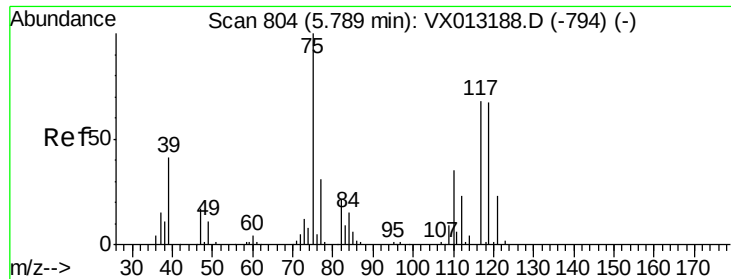
#35
 Dibromofluoromethane
 Concen: 54.357 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013220.D
 Acq: 25 Oct 2019 10:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	80.3	120.5
192	20.4	15.9	23.9



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

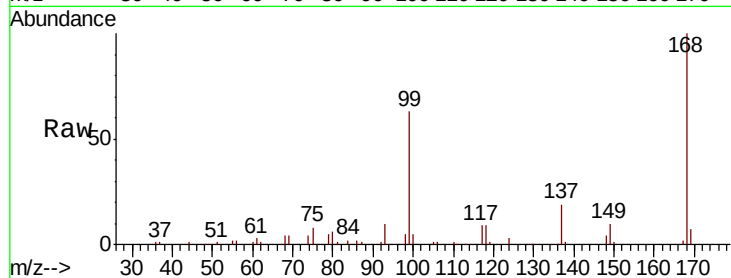




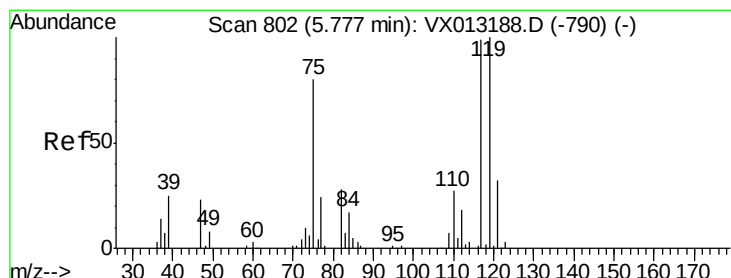
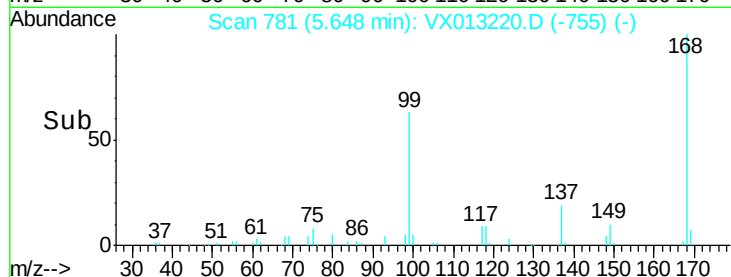
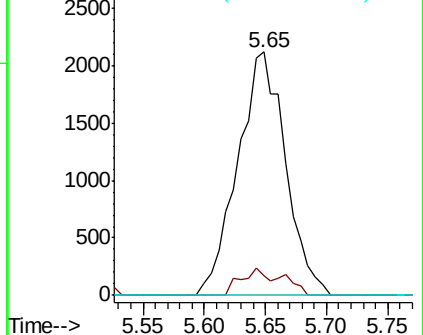
#36
 1,1-Dichloropropene
 Concen: 3.065 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013220.D
 Acq: 25 Oct 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBL02

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.2	17.6	52.9#
77	0.0	24.7	37.1#

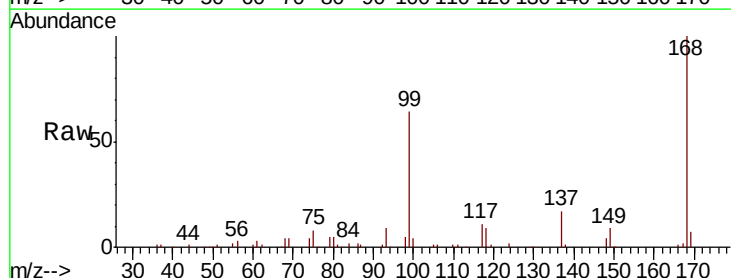


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

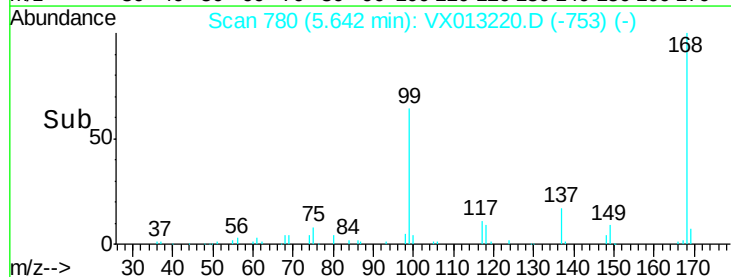
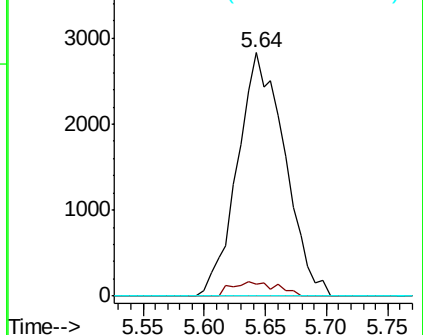


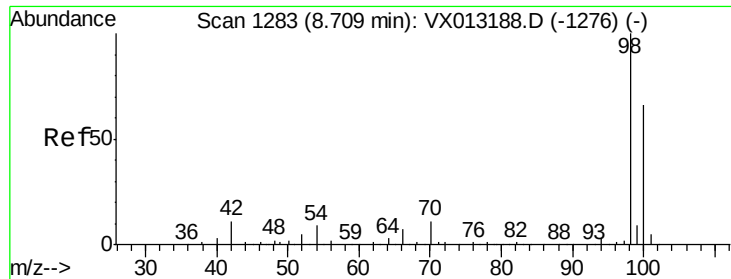
#38
 Carbon Tetrachloride
 Concen: 3.737 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013220.D
 Acq: 25 Oct 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	80.1	120.1#
121	0.0	25.5	38.3#



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: 53.091 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013220.D

Acq: 25 Oct 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

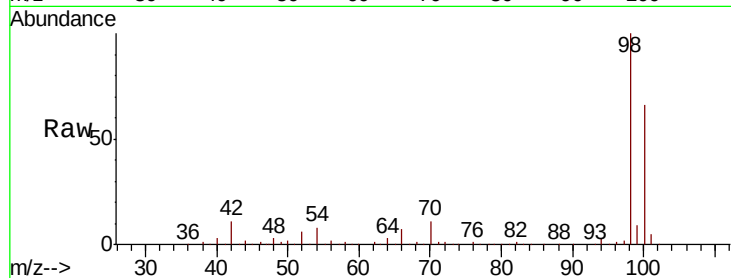
VX1025WBL02

Tot Ion: 98 Resp: 240910

Ion Ratio Lower Upper

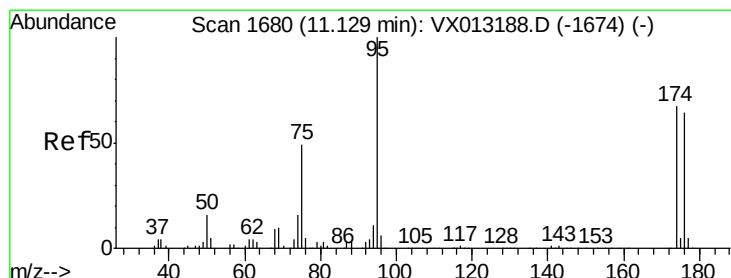
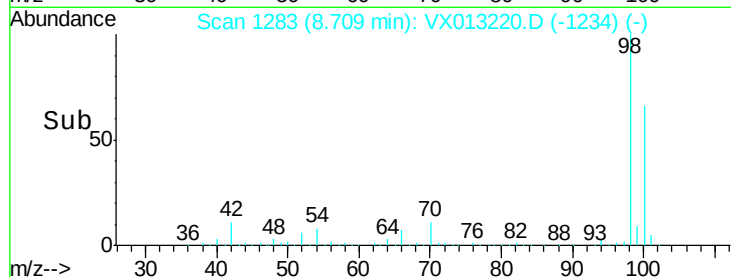
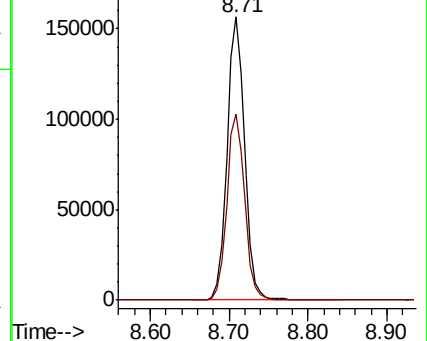
98 100

100 66.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.378 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013220.D

Acq: 25 Oct 2019 10:56

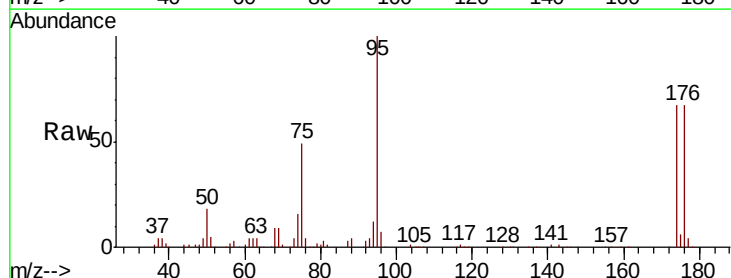
Tgt Ion: 95 Resp: 90481

Ion Ratio Lower Upper

95 100

174 75.9 0.0 152.4

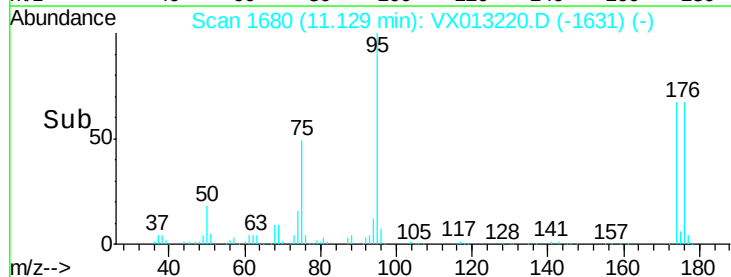
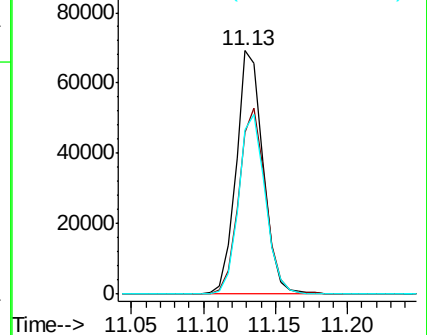
176 73.7 0.0 146.0

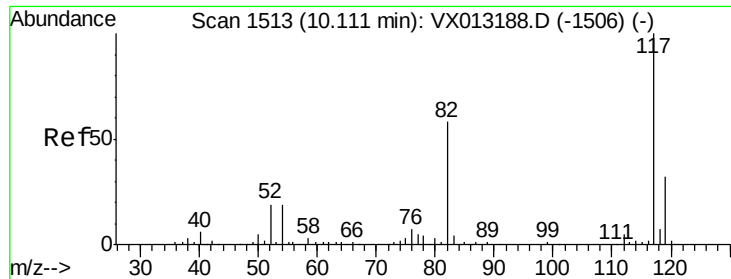


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

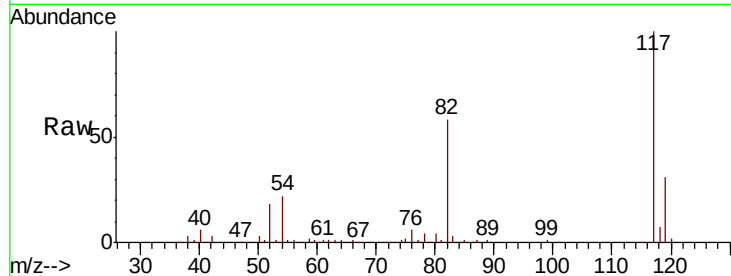




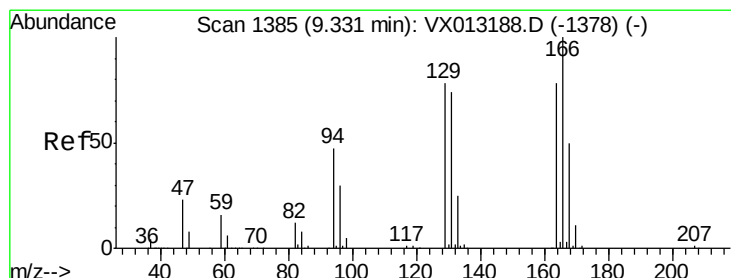
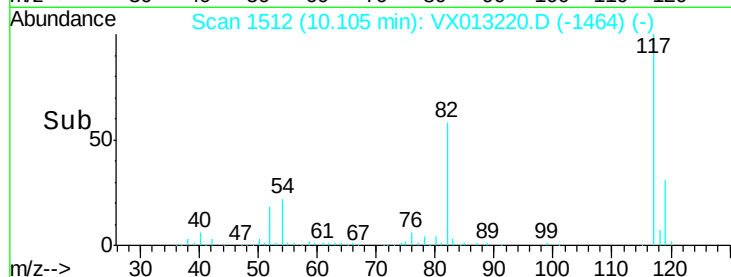
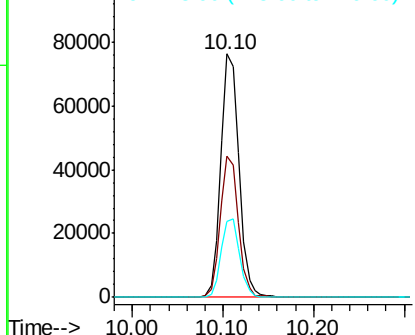
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

Instrument :
MSVOA_X
ClientSampled :
VX1025WBL02

Tot Ion:117 Resp: 107382
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 31.1 25.2 37.8

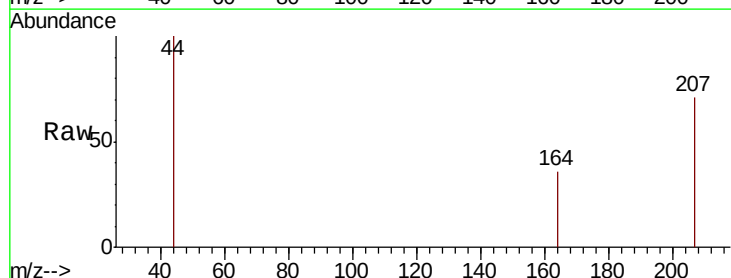


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

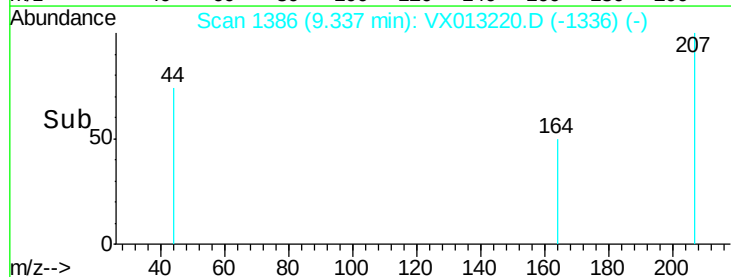
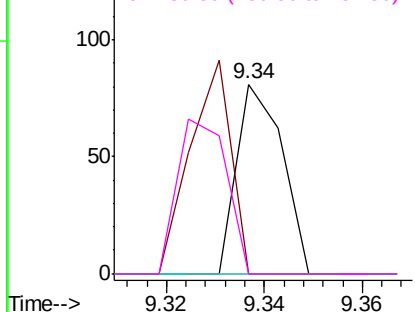


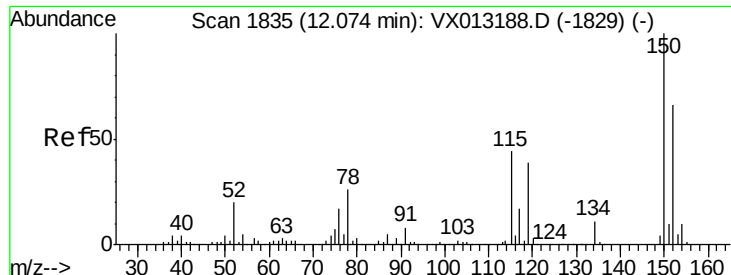
#64
Tetrachloroethene
Concen: Below Cal
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX013220.D
Acq: 25 Oct 2019 10:56

Tgt Ion:164 Resp: 52
Ion Ratio Lower Upper
164 100
166 0.0 102.2 153.4#
129 0.0 79.8 119.8#
131 0.0 75.3 112.9#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX013220.D

Acq: 25 Oct 2019 10:56

Instrument :

MSVOA_X

ClientSampled :

VX1025WBL02

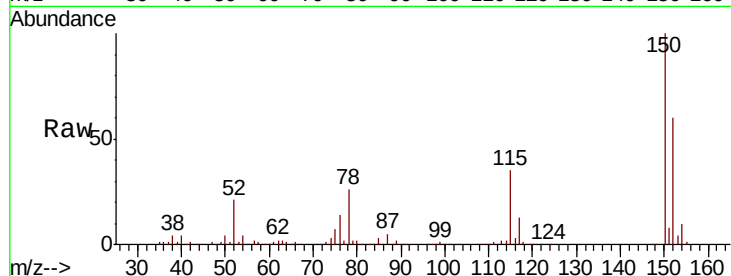
Tot Ion:152 Resp: 63880

Ion Ratio Lower Upper

152 100

115 62.0 46.6 139.8

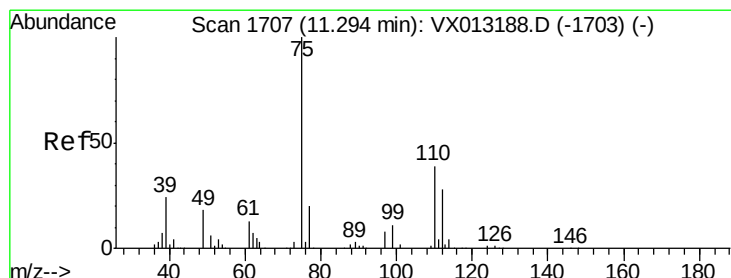
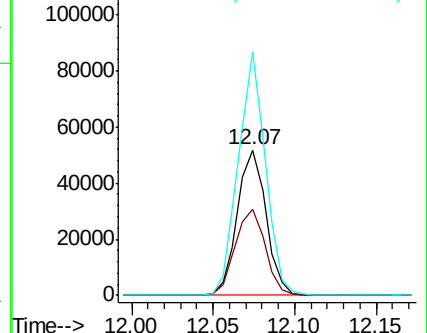
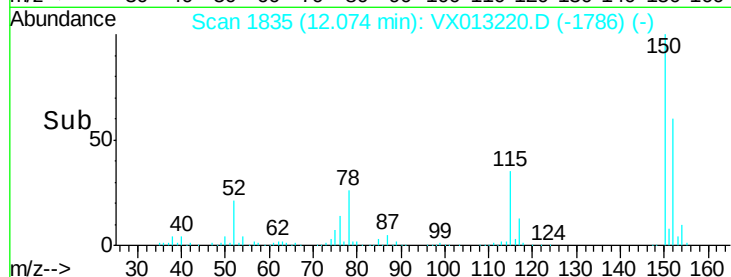
150 158.3 0.0 354.0



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: 28.869 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013220.D

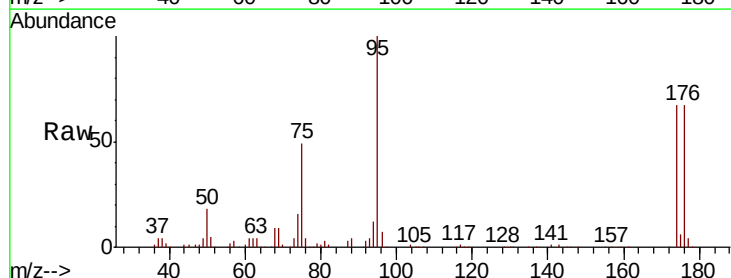
Acq: 25 Oct 2019 10:56

Tgt Ion: 75 Resp: 44448

Ion Ratio Lower Upper

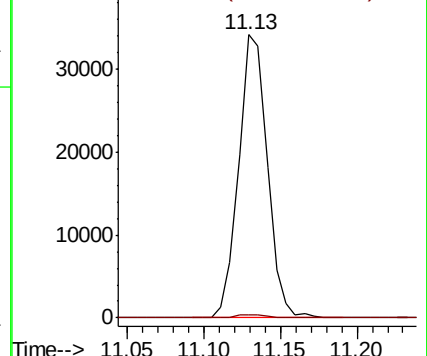
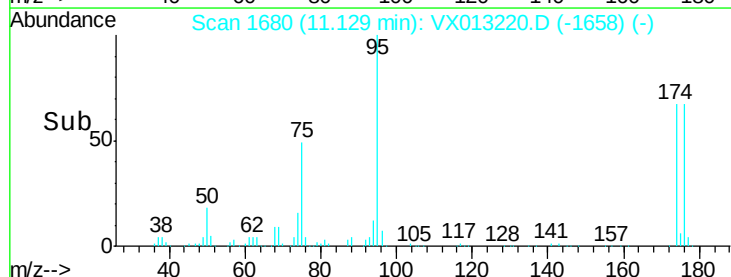
75 100

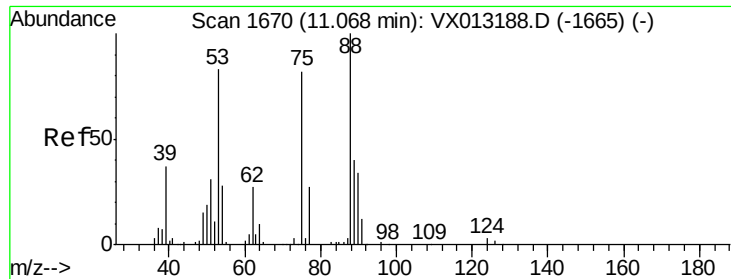
77 1.2 19.1 57.5#



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: 79.332 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013220.D

Acq: 25 Oct 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBL02

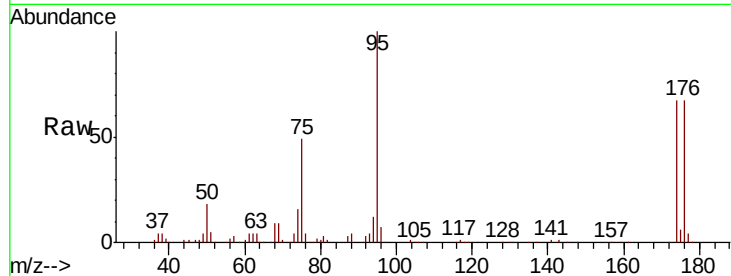
Tot Ion: 75 Resp: 44448

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

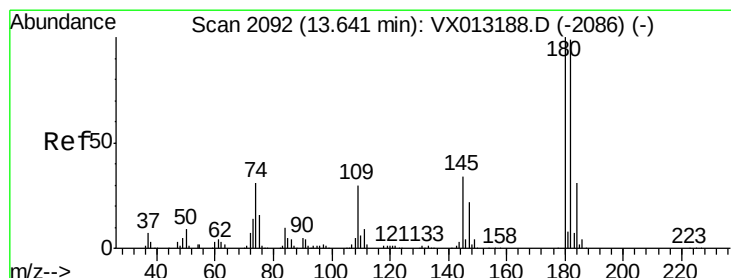
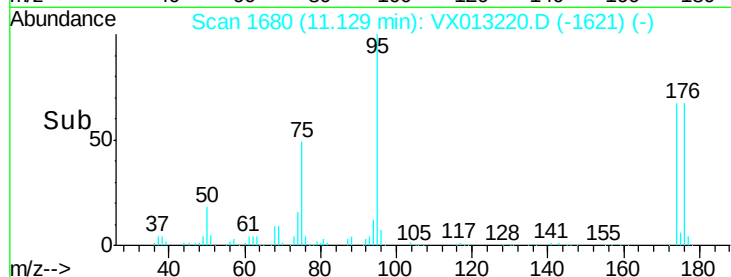
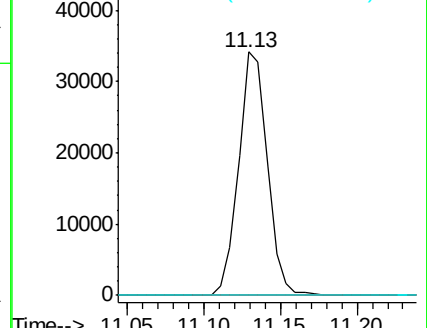
89 0.0 37.3 55.9#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.216 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013220.D

Acq: 25 Oct 2019 10:56

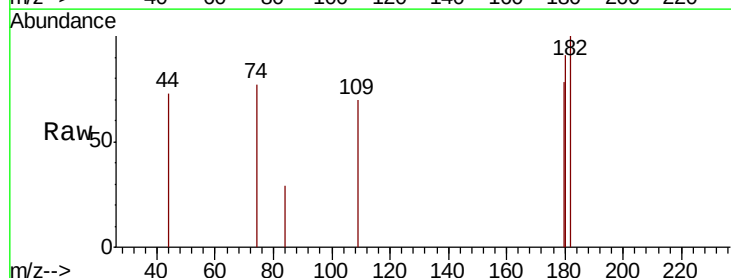
Tgt Ion:180 Resp: 336

Ion Ratio Lower Upper

180 100

182 62.5 45.9 137.6

145 0.0 15.9 47.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

