

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
 Data File : VX012671.D
 Acq On : 26 Sep 2019 14:06
 Operator : JC/SP
 Sample : K5049-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 26 23:33:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	290083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101073	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	122173	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	5.48	113	88074	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.71	98	349207	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.14	95	126771	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

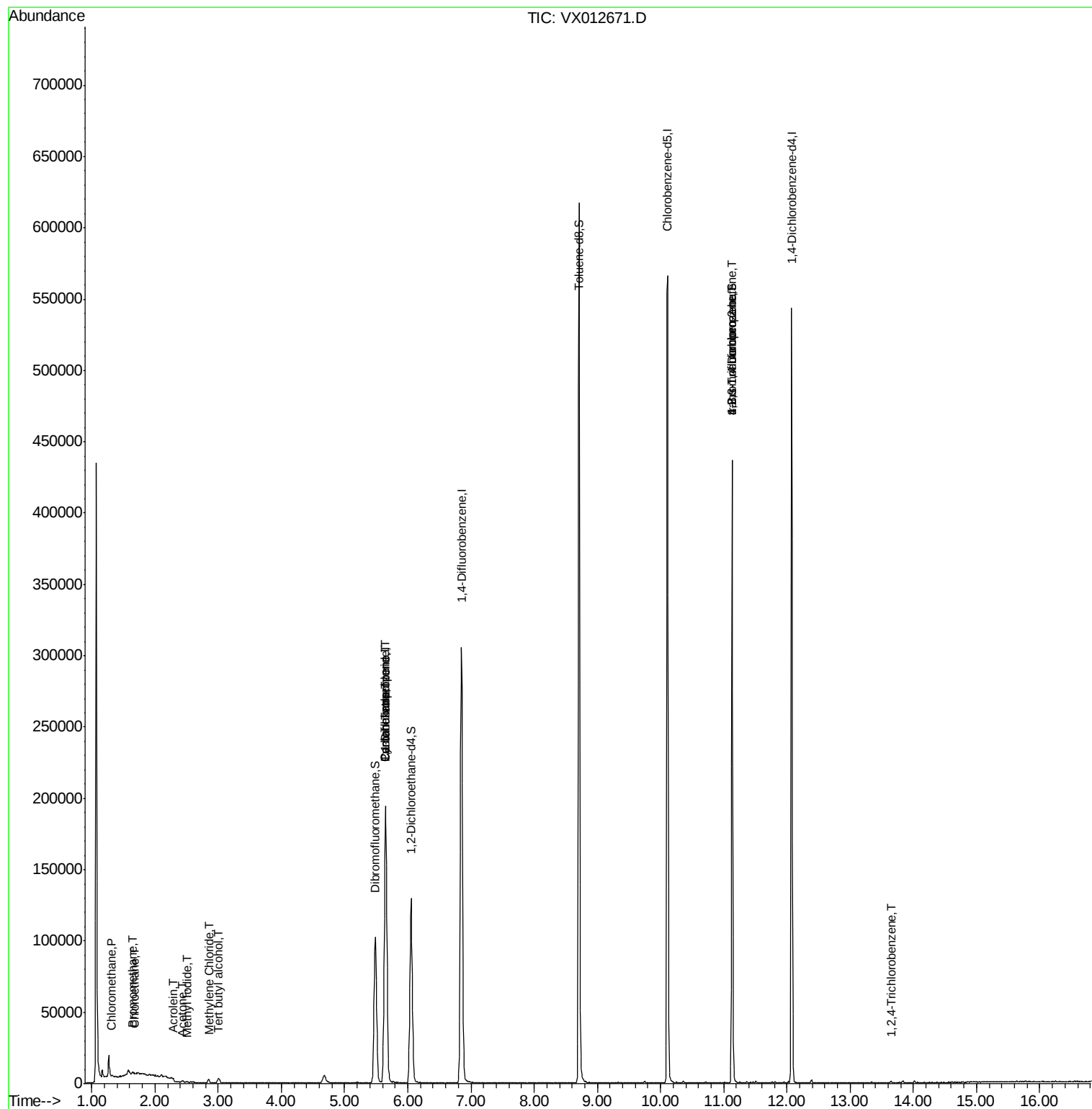
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	443	0.204	ug/l #	79
5) Bromomethane	1.65	94	632	0.744	ug/l	94
6) Chloroethane	1.68	64	779	0.535	ug/l #	58
10) Methyl Iodide	2.50	142	454	5.163	ug/l	92
11) Tert butyl alcohol	3.01	59	2110	3.448	ug/l #	75
13) Acrolein	2.28	56	195	10.781	ug/l #	52
16) Acetone	2.44	43	1429	1.101	ug/l #	85
20) Methylene Chloride	2.84	84	1179	0.537	ug/l #	69
31) Cyclohexane	5.65	56	4247	1.246	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14567	5.210	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19606	6.903	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	65654	24.556	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	65654	70.372	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	441	0.215	ug/l	87

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

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

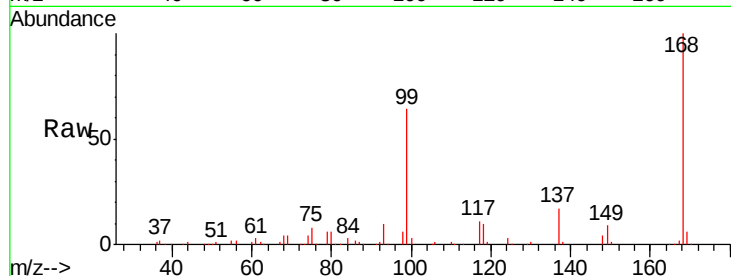
TRIP-BLANK

Tgt Ion:168 Resp: 168227

Ion Ratio Lower Upper

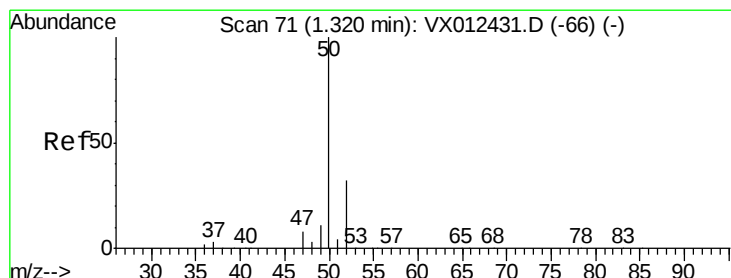
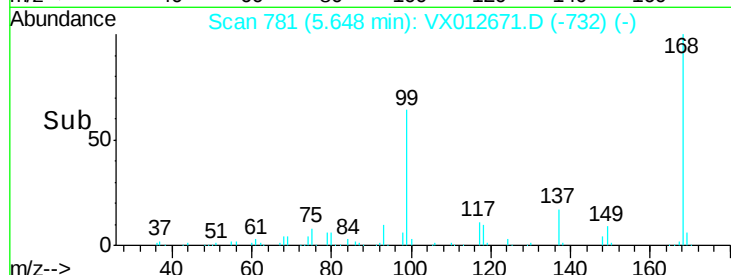
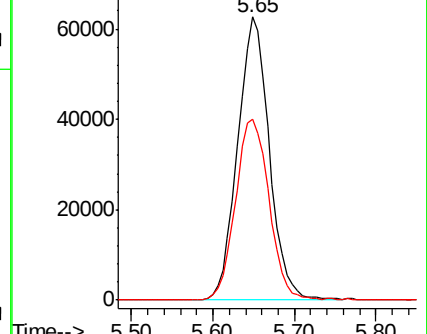
168 100

99 63.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012671.D

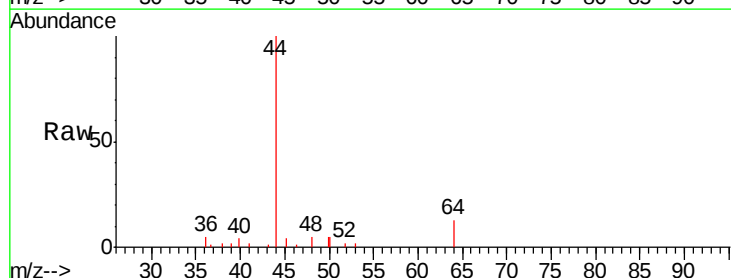
Acq: 26 Sep 2019 14:06

Tgt Ion: 50 Resp: 443

Ion Ratio Lower Upper

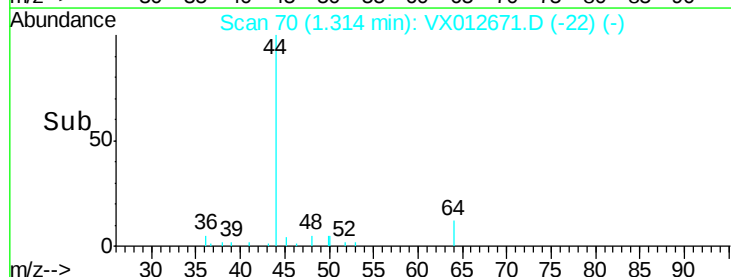
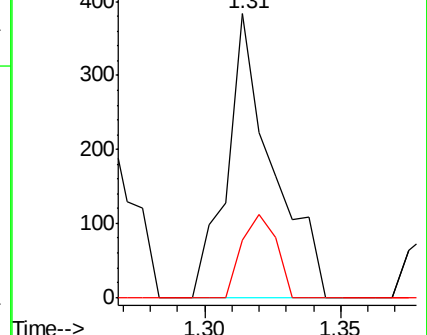
50 100

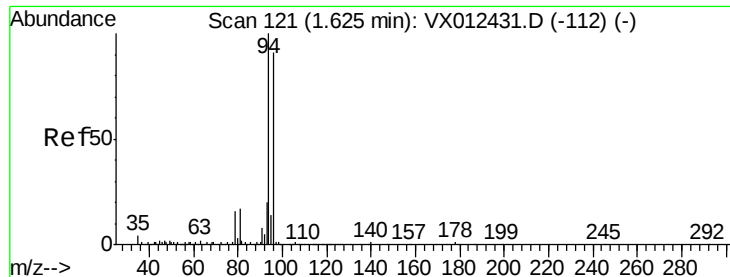
52 20.4 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.744 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

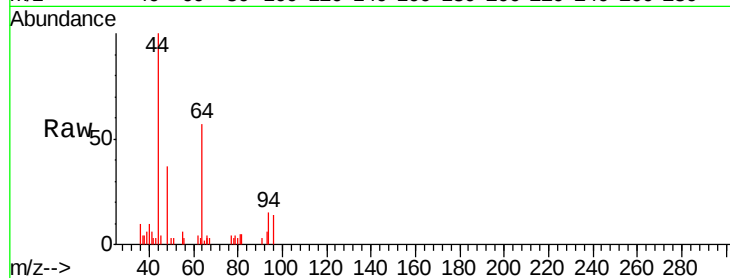
TRIP-BLANK

Tgt Ion: 94 Resp: 632

Ion Ratio Lower Upper

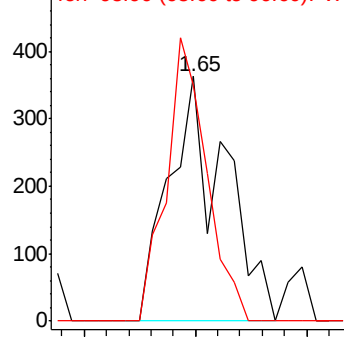
94 100

96 96.4 72.8 109.2

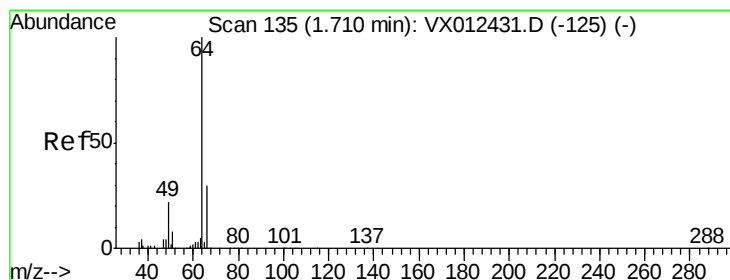
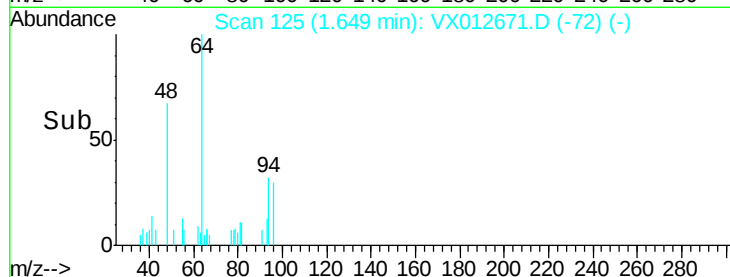


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.535 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.03 min

Lab File: VX012671.D

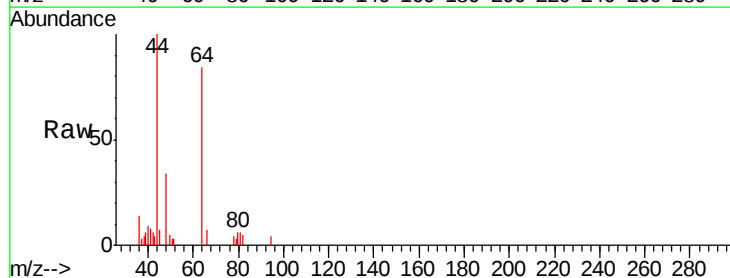
Acq: 26 Sep 2019 14:06

Tgt Ion: 64 Resp: 779

Ion Ratio Lower Upper

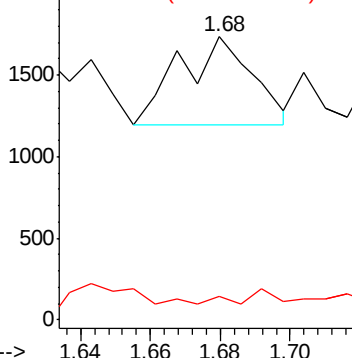
64 100

66 7.1 24.0 36.0#

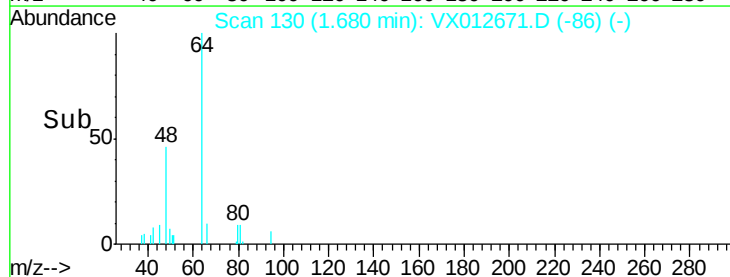


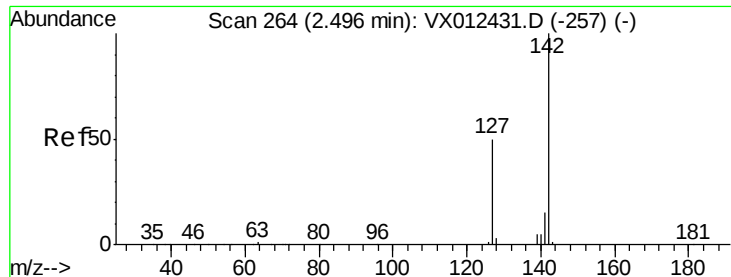
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#10

Methyl Iodide

Concen: 5.163 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

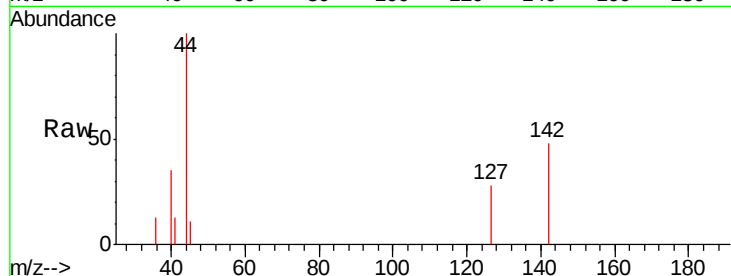
Tgt Ion: 142 Resp: 454

Ion Ratio Lower Upper

142 100

127 44.9 40.8 61.2

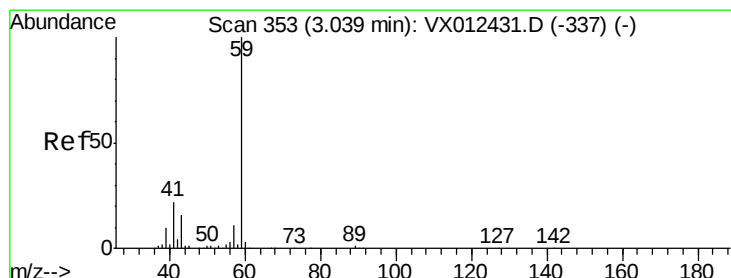
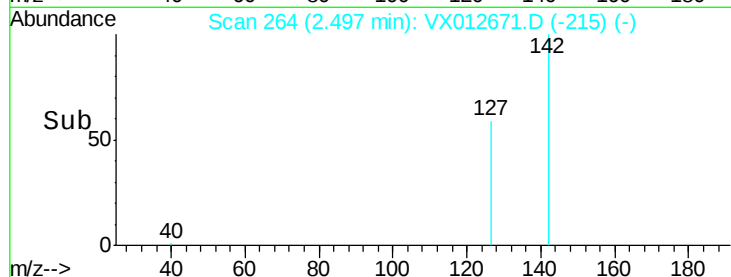
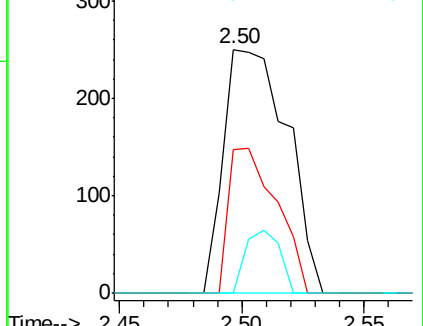
141 13.7 12.1 18.1



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.448 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX012671.D

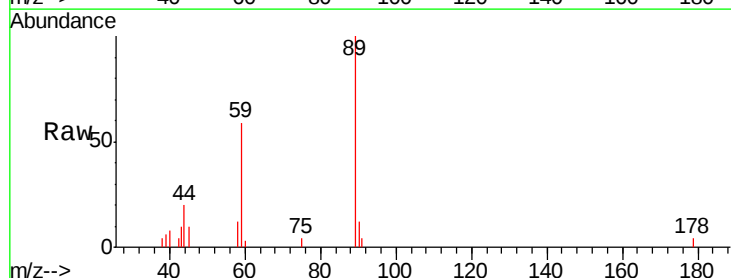
Acq: 26 Sep 2019 14:06

Tgt Ion: 59 Resp: 2110

Ion Ratio Lower Upper

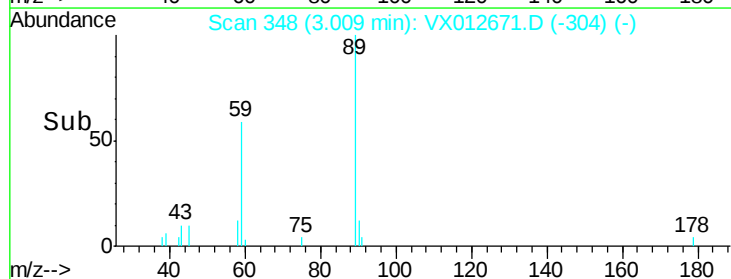
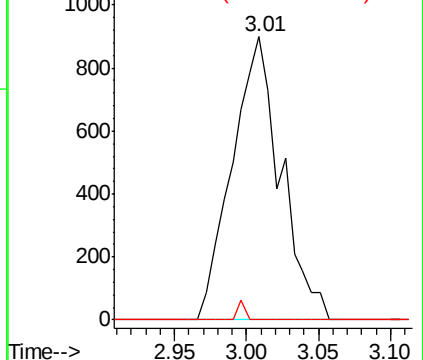
59 100

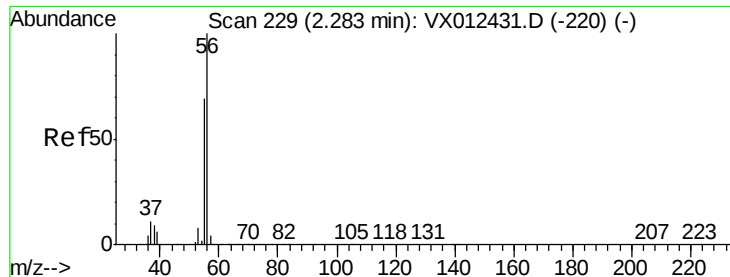
57 1.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.781 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

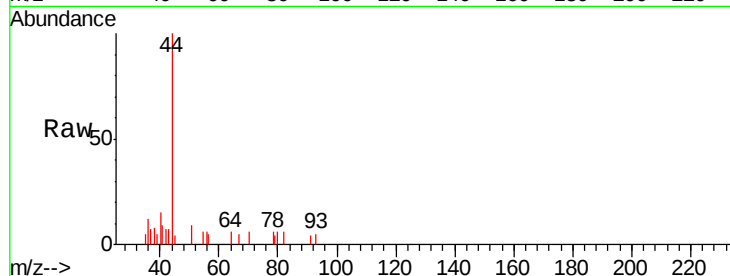
TRIP-BLANK

Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

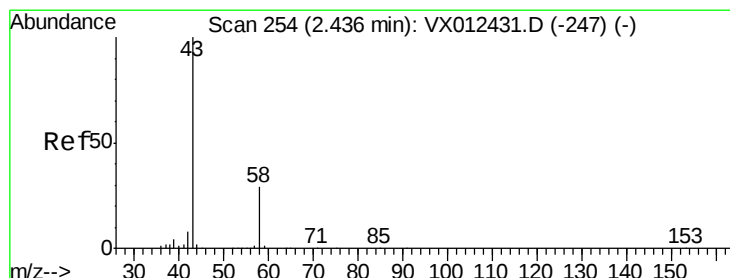
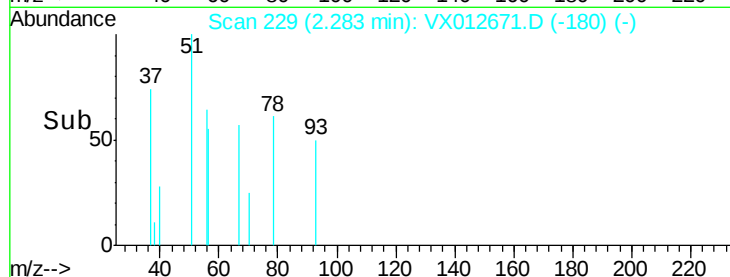
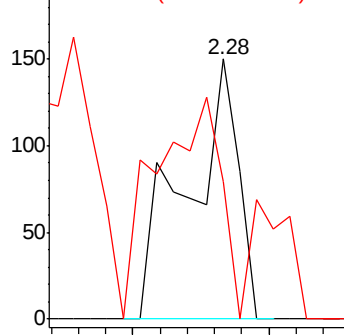
56 100

55 109.2 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.101 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012671.D

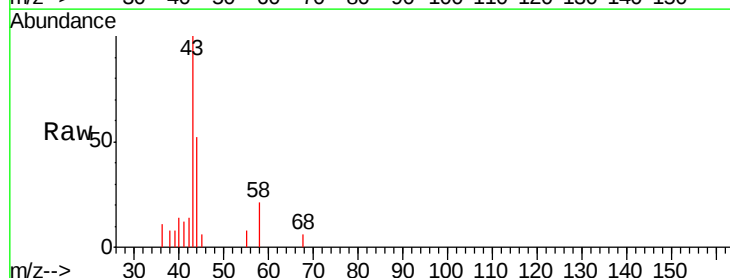
Acq: 26 Sep 2019 14:06

Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

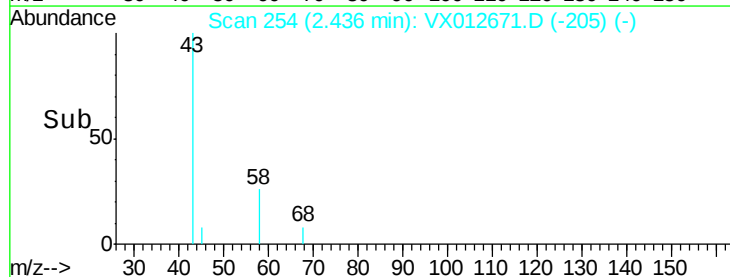
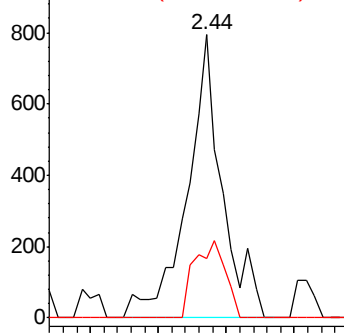
43 100

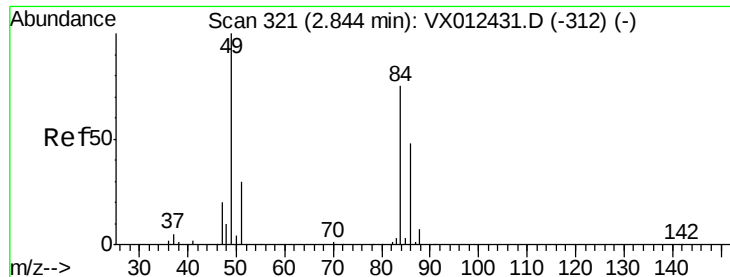
58 21.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

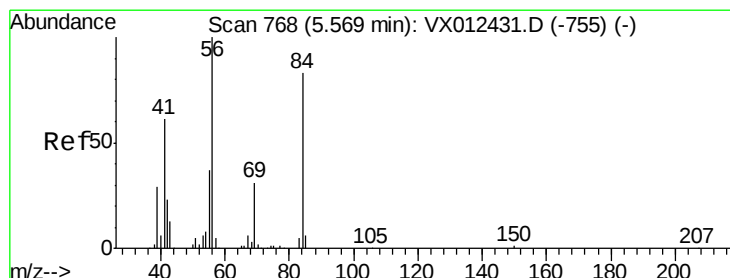
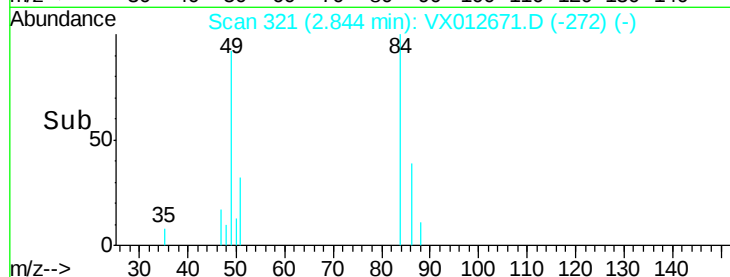
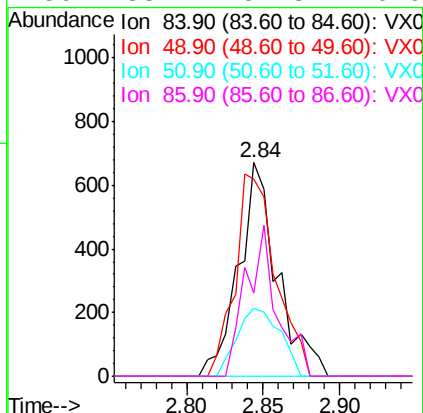
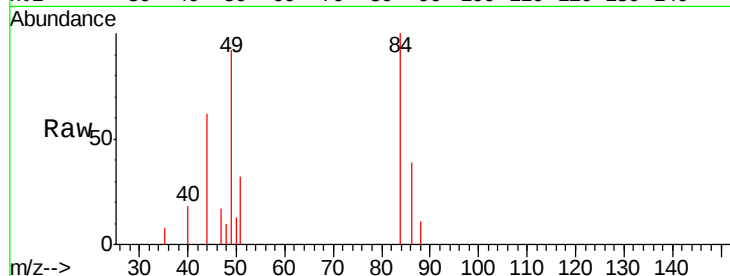




#20
Methylene Chloride
Concen: 0.537 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012671.D
Acq: 26 Sep 2019 14:06

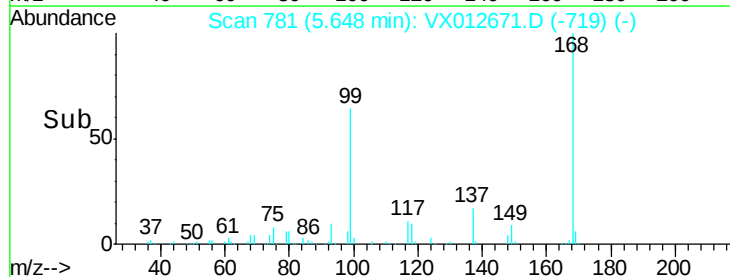
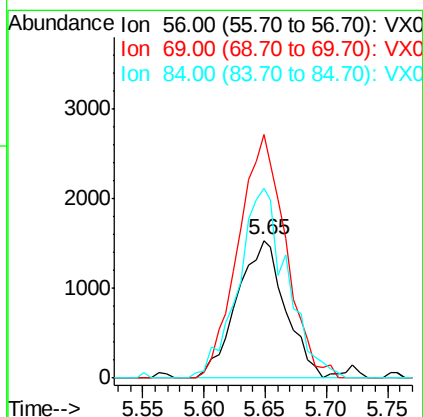
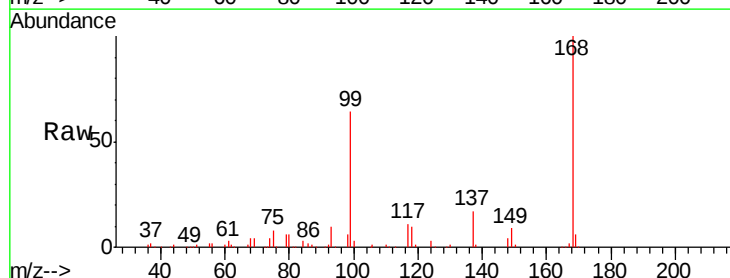
Instrument :
MSVOA_X
ClientSampleId :
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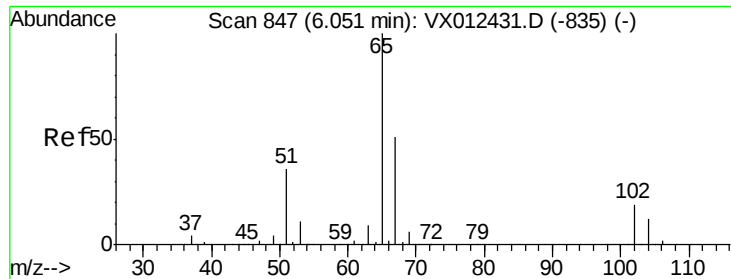
Tgt Ion: 84 Resp: 1179
Ion Ratio Lower Upper
84 100
49 92.1 106.8 160.2#
51 32.0 32.3 48.5#
86 38.7 51.3 76.9#



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012671.D
Acq: 26 Sep 2019 14:06

Tgt Ion: 56 Resp: 4247
Ion Ratio Lower Upper
56 100
69 177.0 25.0 37.6#
84 138.1 66.4 99.6#

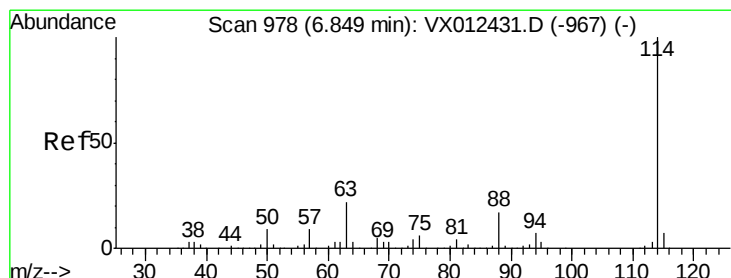
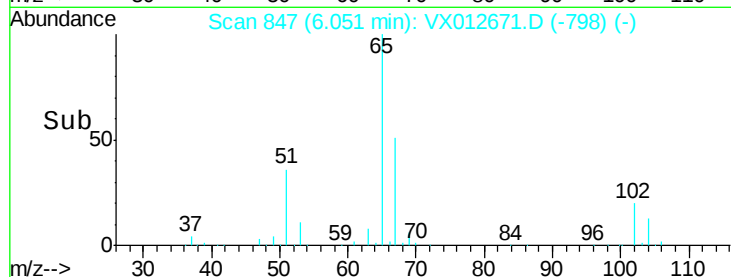
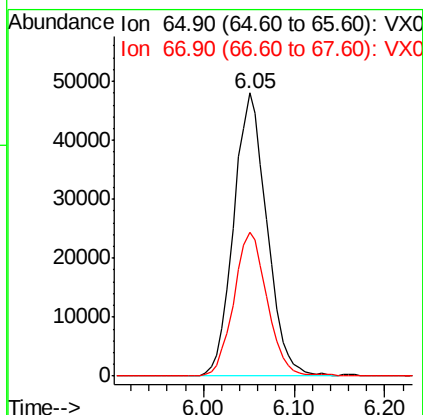
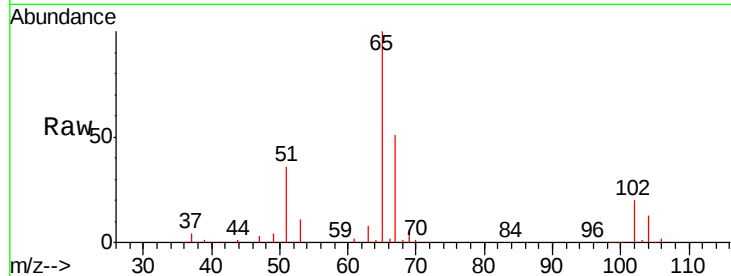




#33
 1,2-Dichloroethane-d4
 Concen: 49.872 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012671.D
 Acq: 26 Sep 2019 14:06

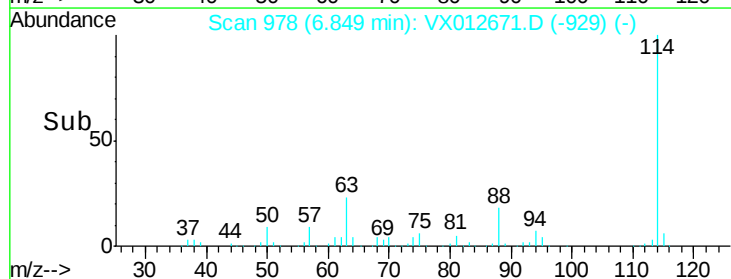
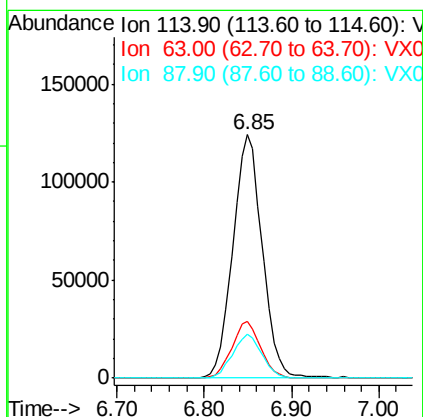
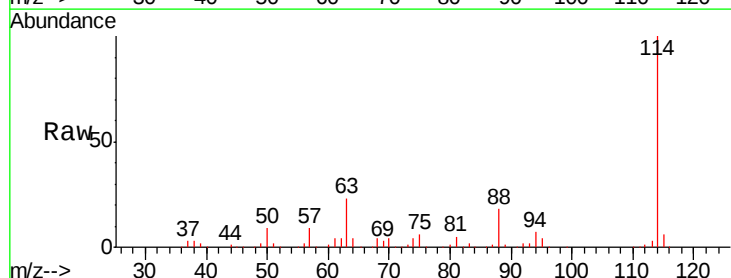
Instrument :
 MSVOA_X
 ClientSampled :
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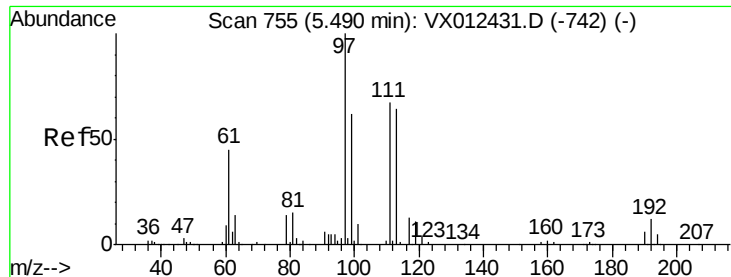
Tgt Ion: 65 Resp: 122173
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012671.D
 Acq: 26 Sep 2019 14:06

Tgt Ion: 114 Resp: 290083
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.2
 88 17.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.981 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

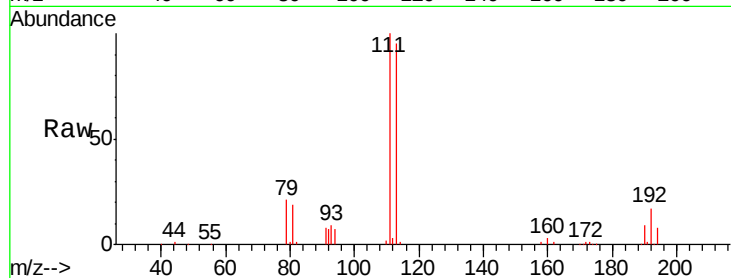
Tgt Ion:113 Resp: 88074

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

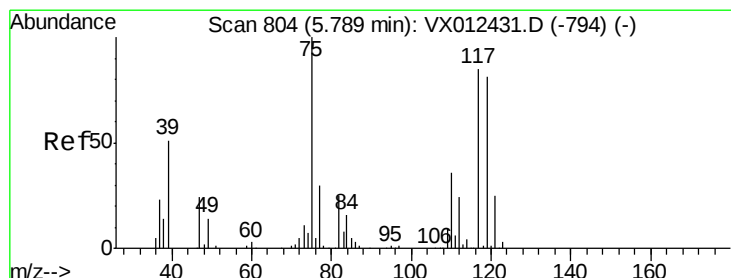
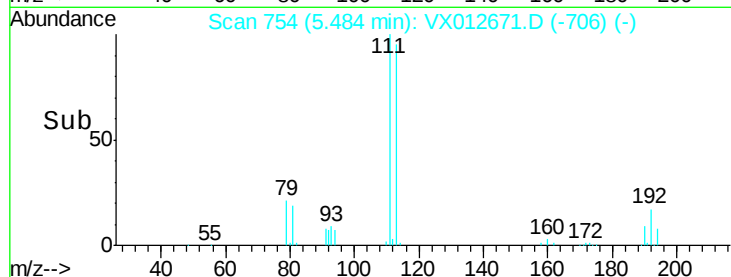
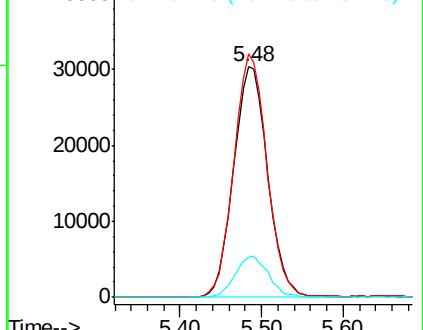
192 17.5 14.4 21.6



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: 5.210 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

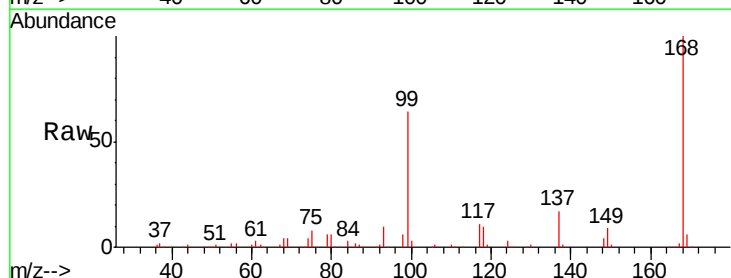
Tgt Ion: 75 Resp: 14567

Ion Ratio Lower Upper

75 100

110 10.1 16.7 50.0#

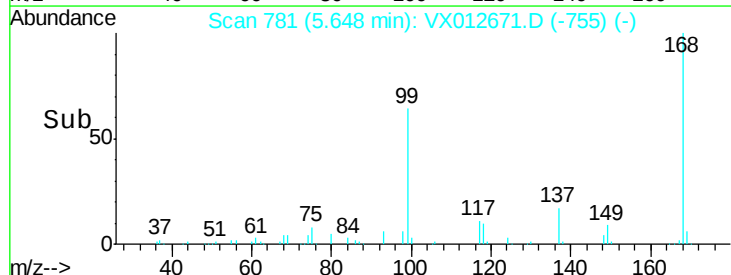
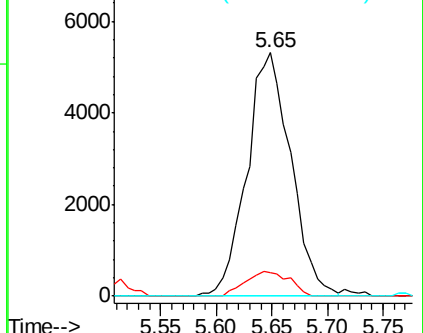
77 0.0 24.2 36.2#

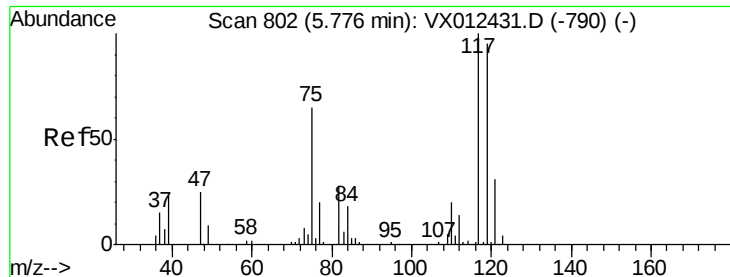


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.903 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

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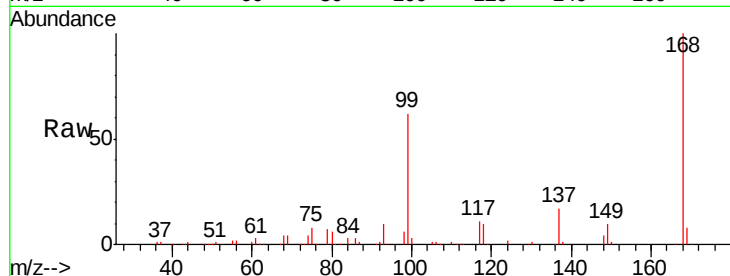
Tgt Ion:117 Resp: 19606

Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

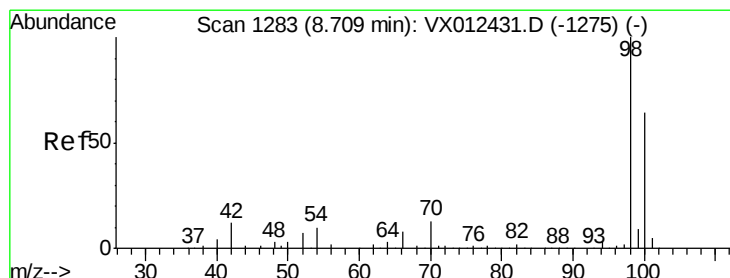
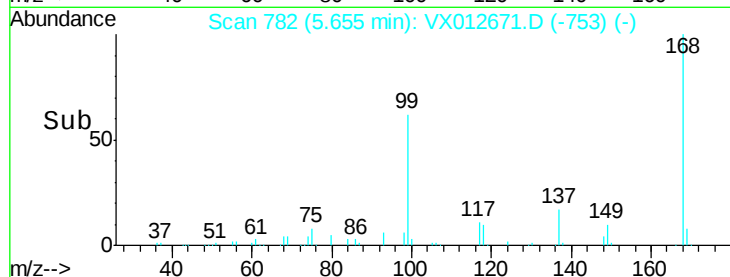
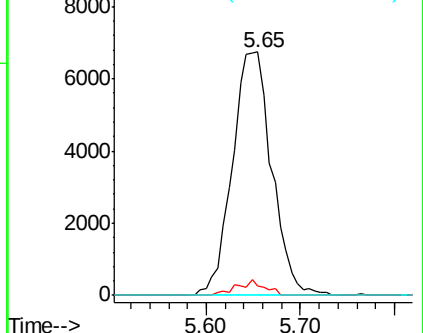
121 0.0 24.2 36.4#



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: 52.489 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012671.D

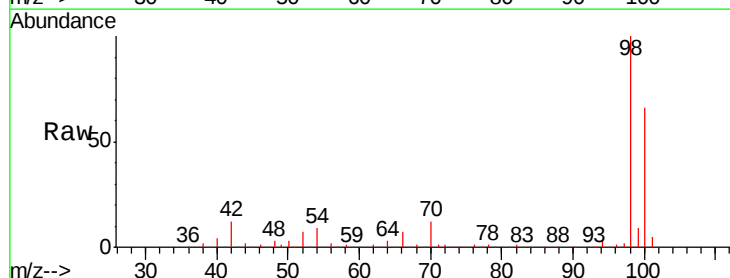
Acq: 26 Sep 2019 14:06

Tgt Ion: 98 Resp: 349207

Ion Ratio Lower Upper

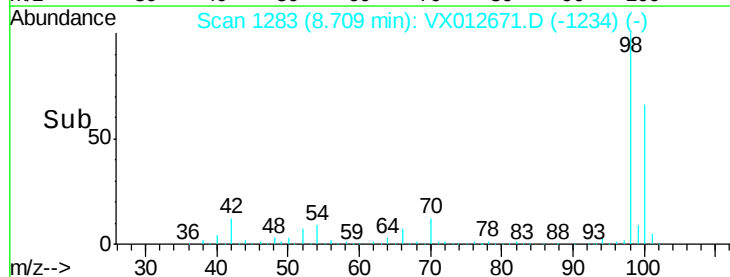
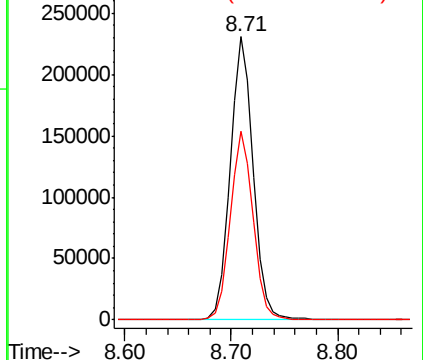
98 100

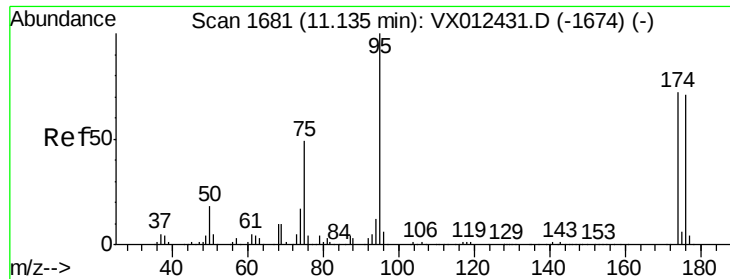
100 66.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

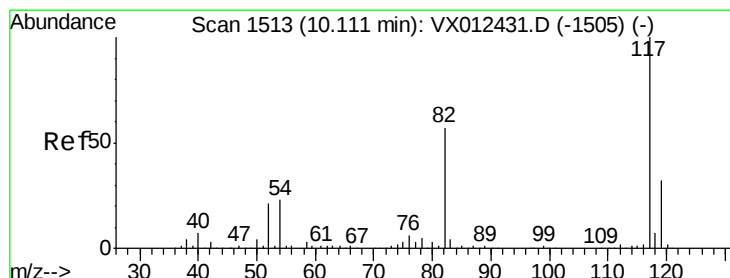
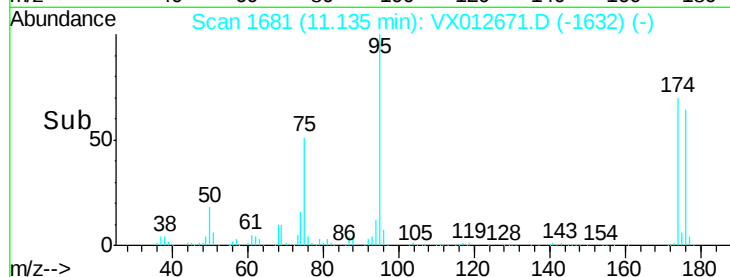
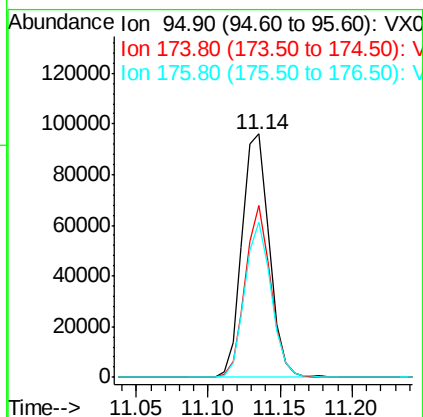
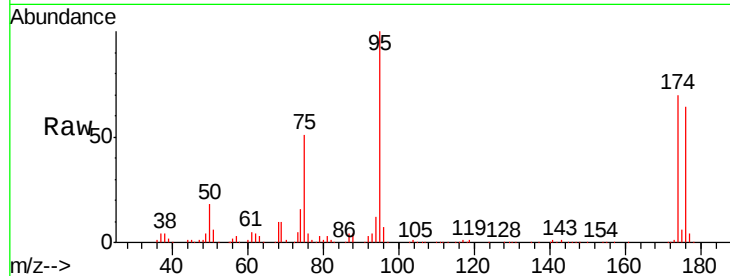




#62
4-Bromofluorobenzene
Concen: 48.460 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012671.D
Acq: 26 Sep 2019 14:06

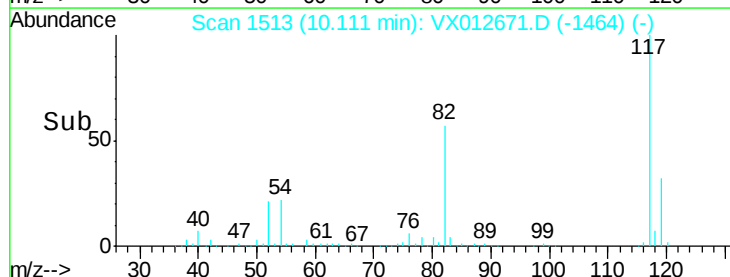
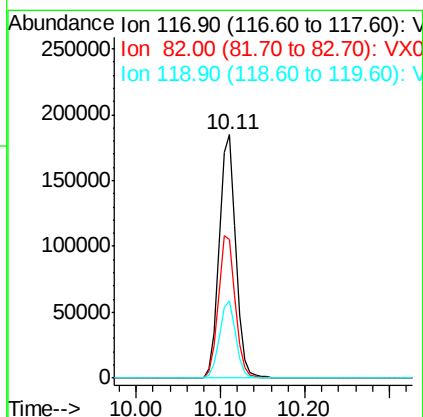
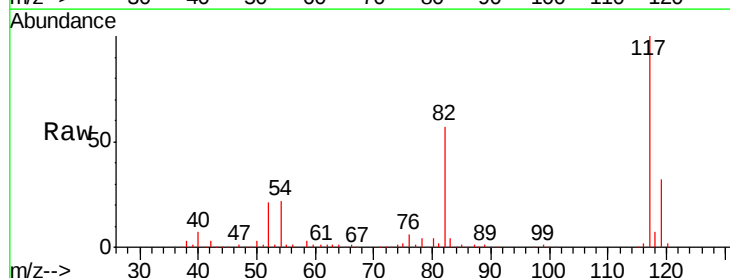
Instrument :
MSVOA_X
ClientSampleId :
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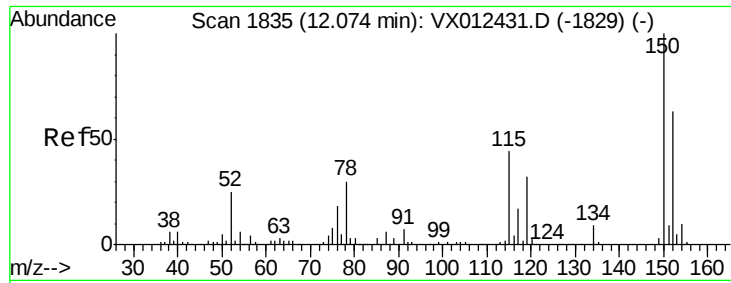
Tgt Ion: 95 Resp: 126771
Ion Ratio Lower Upper
95 100
174 65.9 0.0 140.0
176 61.6 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012671.D
Acq: 26 Sep 2019 14:06

Tgt Ion: 117 Resp: 252784
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 31.8 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

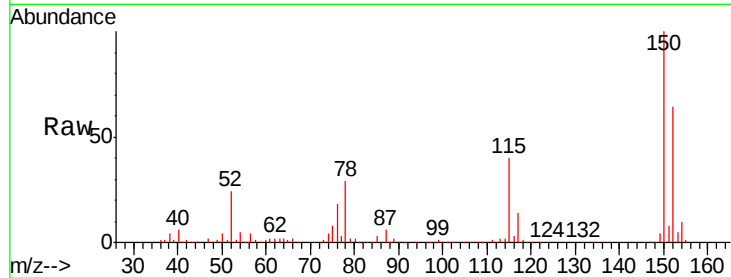
Tgt Ion:152 Resp: 101073

Ion Ratio Lower Upper

152 100

115 64.5 44.1 132.3

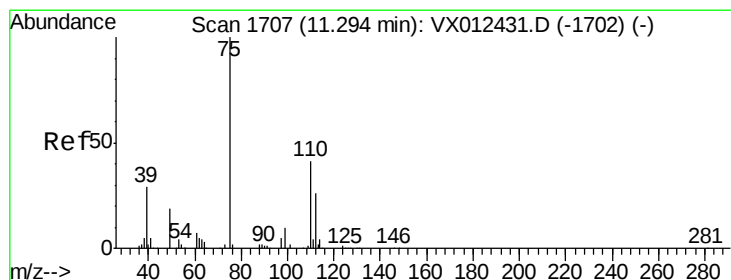
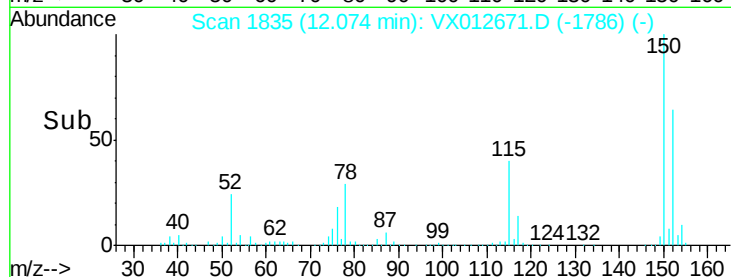
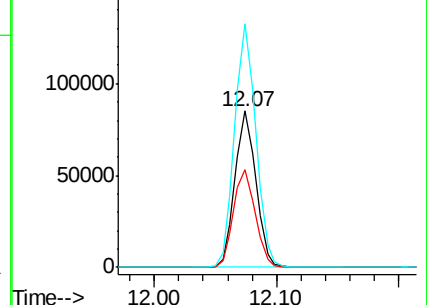
150 156.9 0.0 343.8



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: 24.556 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012671.D

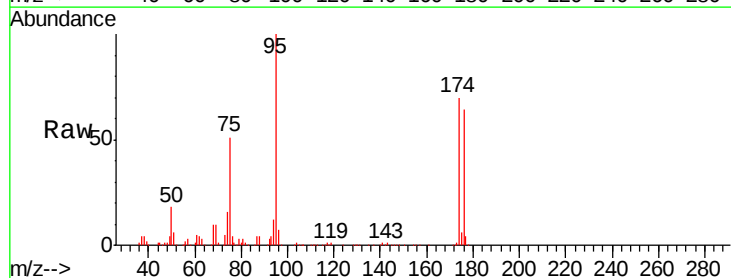
Acq: 26 Sep 2019 14:06

Tgt Ion: 75 Resp: 65654

Ion Ratio Lower Upper

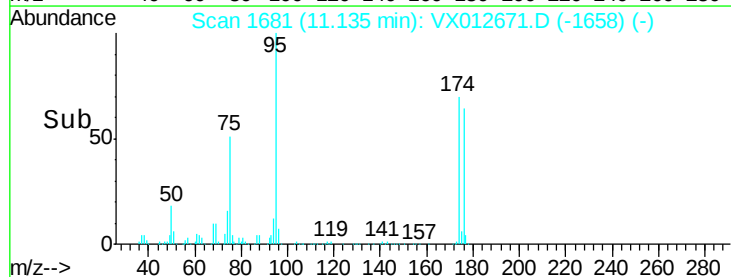
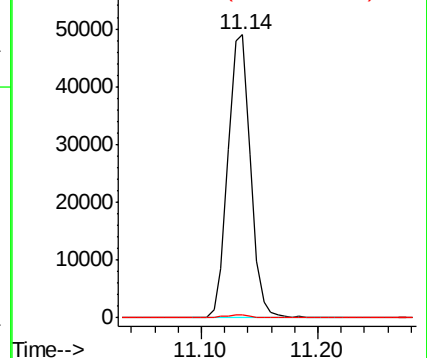
75 100

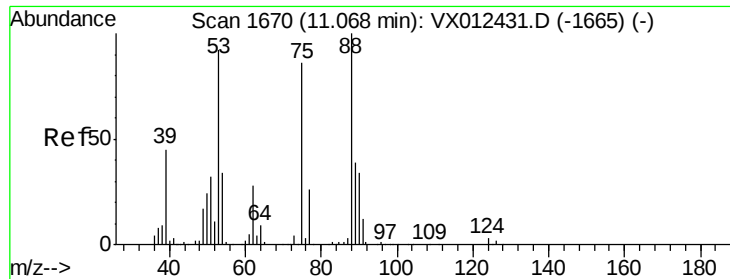
77 1.4 19.7 59.0#



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: 70.372 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

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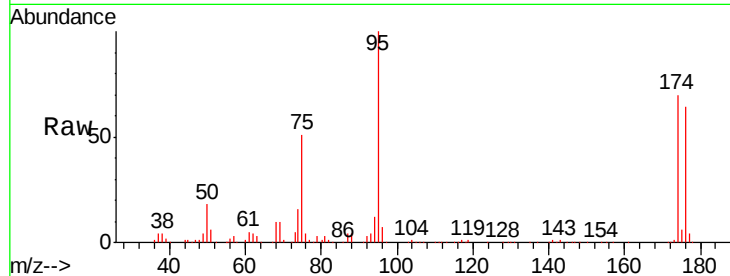
Tgt Ion: 75 Resp: 65654

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

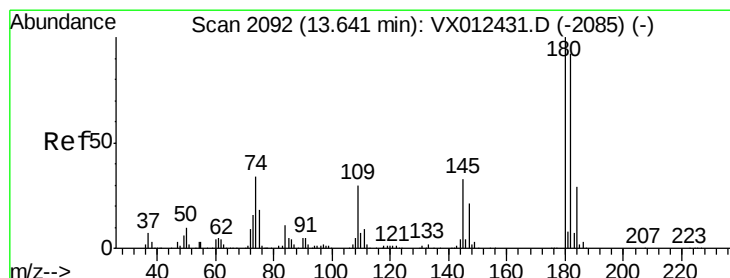
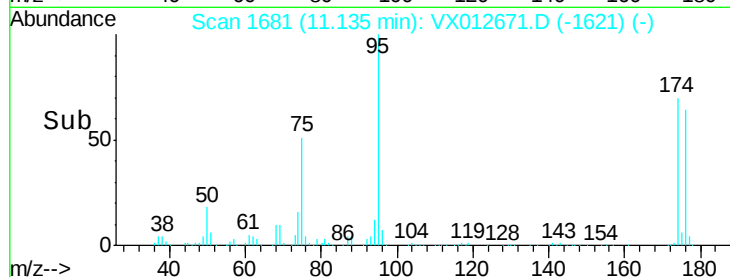
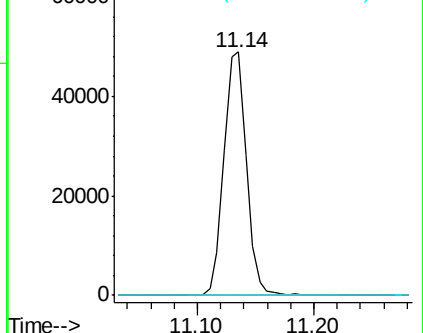
89 0.0 36.3 54.5#



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: 0.215 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX012671.D

Acq: 26 Sep 2019 14:06

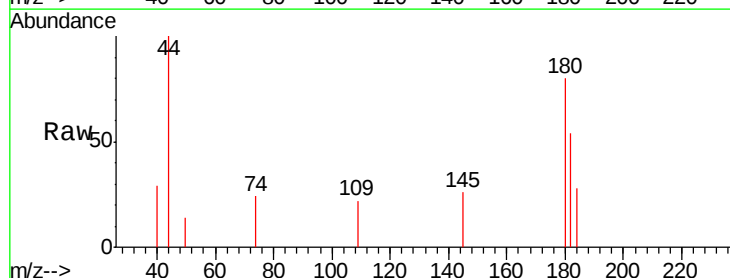
Tgt Ion: 180 Resp: 441

Ion Ratio Lower Upper

180 100

182 81.9 47.0 141.0

145 42.4 16.8 50.4



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

