

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009854.D
 Acq On : 23 May 2019 13:34
 Operator : JC/SP
 Sample : K2999-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 03:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103443	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	120784	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.50	113	86978	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	360372	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	118581	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

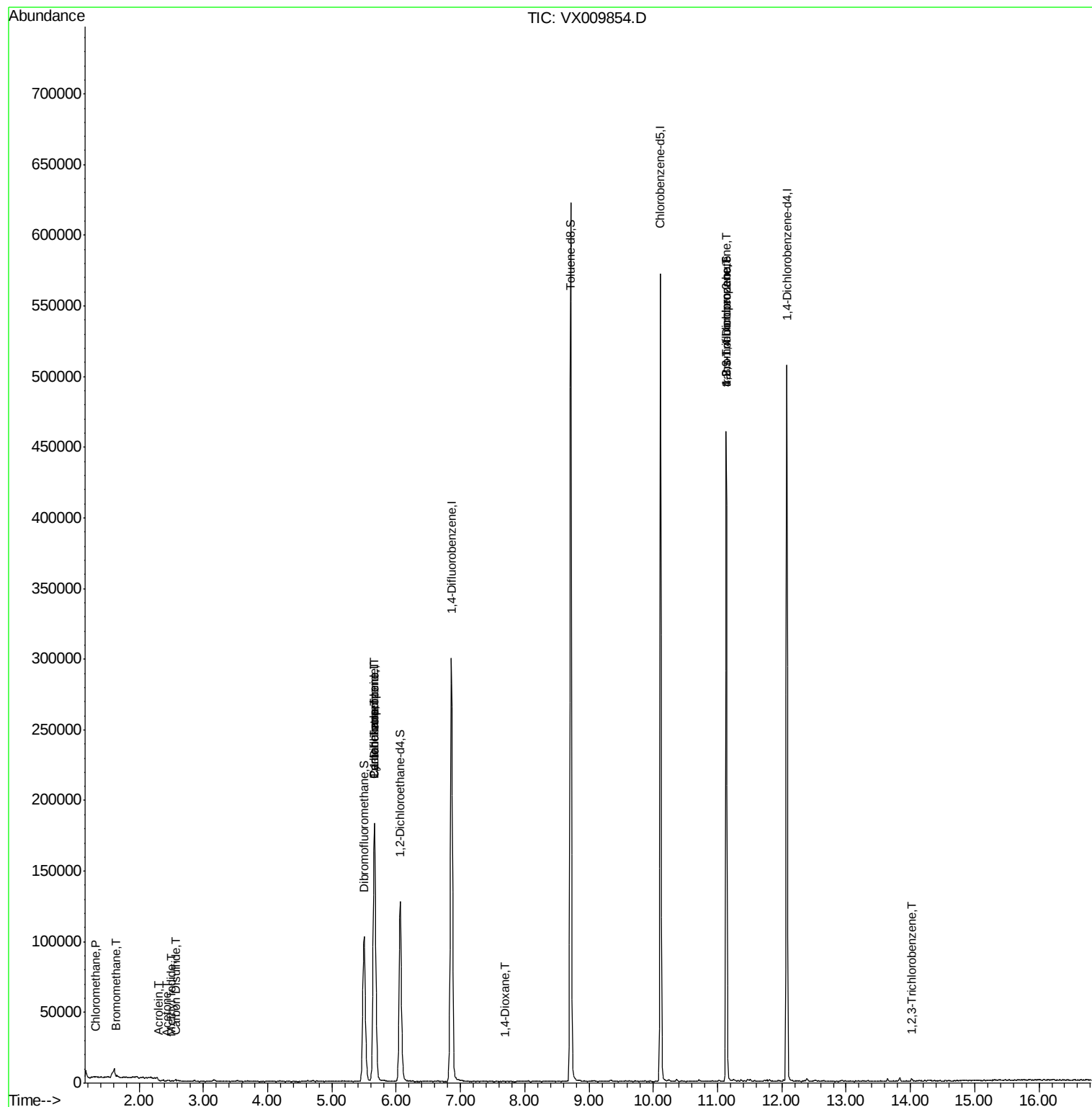
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	664	0.297	ug/l #	32
5) Bromomethane	1.65	94	426	0.326	ug/l	100
10) Methyl Iodide	2.51	142	594	4.873	ug/l #	90
13) Acrolein	2.31	56	373	0.734	ug/l #	68
16) Acetone	2.43	43	430	0.330	ug/l	96
17) Carbon Disulfide	2.57	76	1404	0.300	ug/l #	89
28) Bromochloromethane	5.03	49	198	Below Cal	#	20
31) Cyclohexane	5.67	56	4287	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14244	5.347	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16698	6.899	ug/l #	16
49) 1,4-Dioxane	7.70	88	19	0.318	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61162	25.489	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61162	65.218	ug/l #	10
96) 1,2,3-Trichlorobenzene	14.02	180	471	0.200	ug/l	95

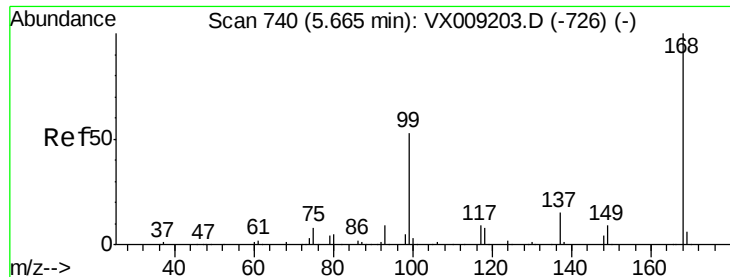
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

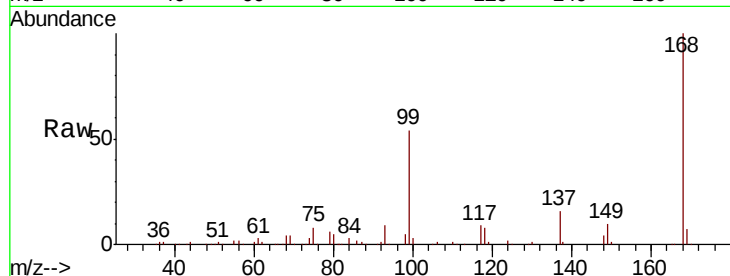
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 177682

Ion Ratio Lower Upper

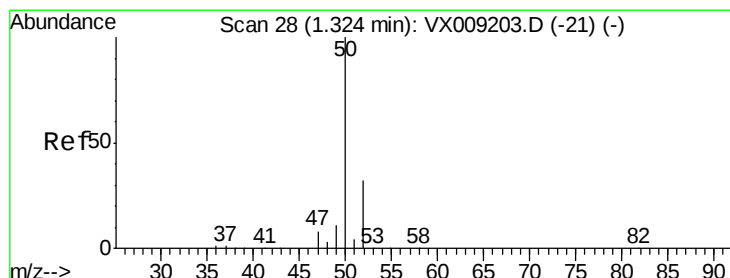
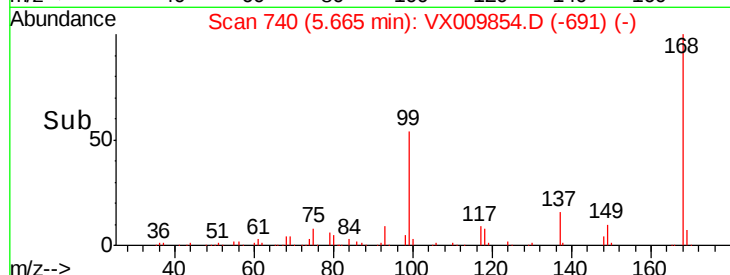
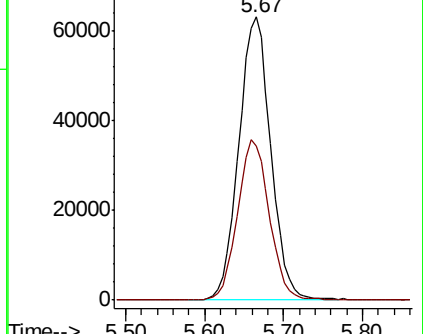
168 100

99 54.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.297 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009854.D

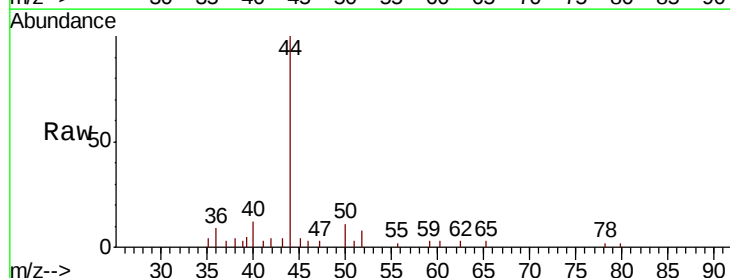
Acq: 23 May 2019 13:34

Tgt Ion: 50 Resp: 664

Ion Ratio Lower Upper

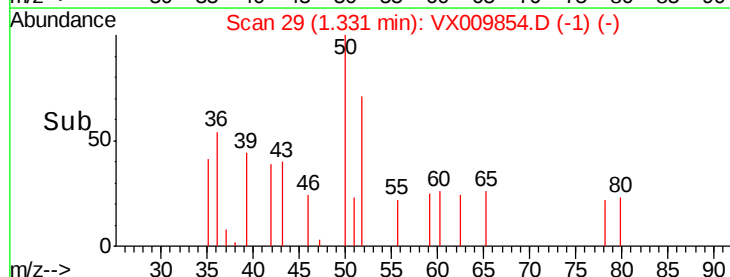
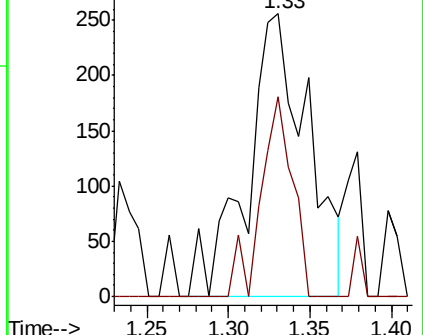
50 100

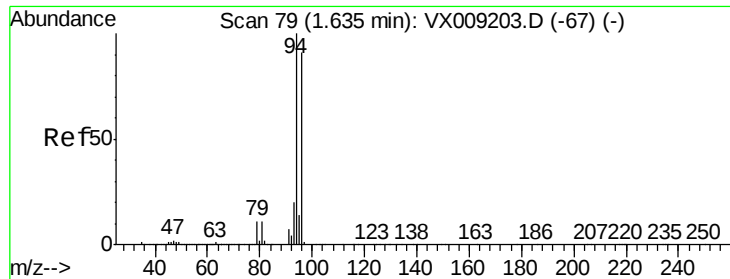
52 70.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.326 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

Instrument :

MSVOA_X

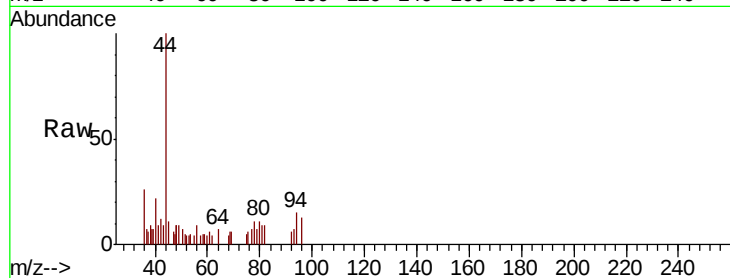
ClientSampleId :

Tot Ion: 94 Resp: 426

Ion Ratio Lower Upper

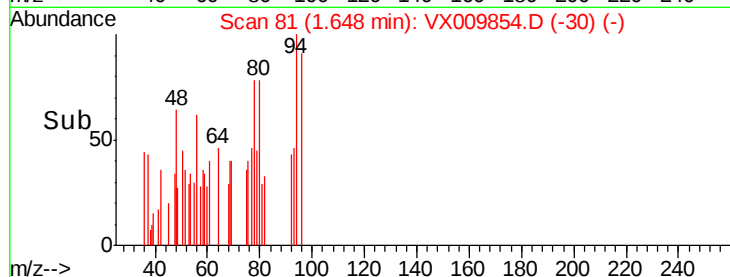
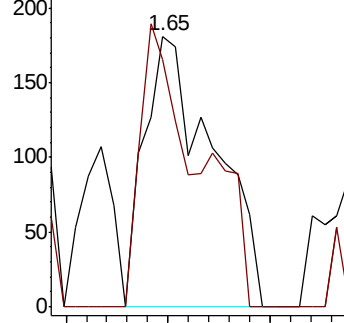
94 100

96 91.2 73.0 109.6

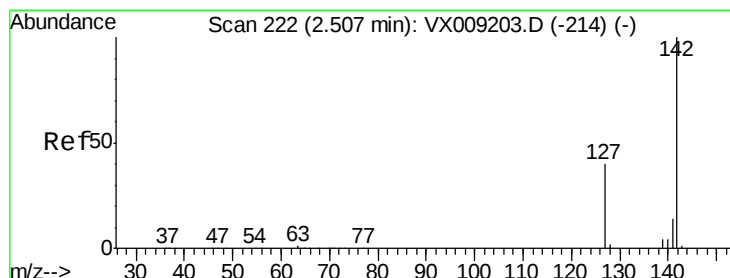


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.873 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

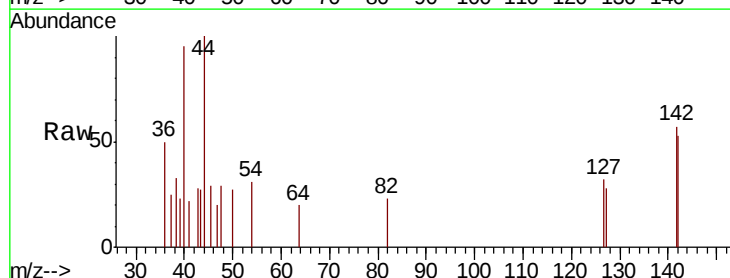
Tgt Ion: 142 Resp: 594

Ion Ratio Lower Upper

142 100

127 41.2 32.7 49.1

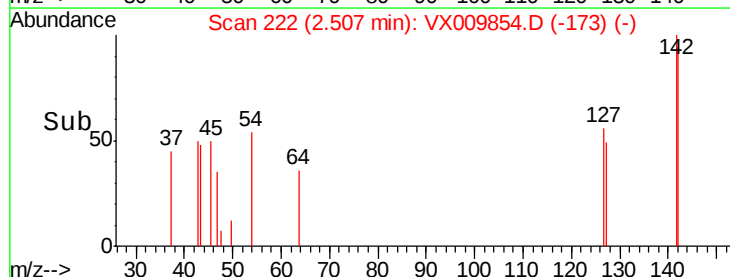
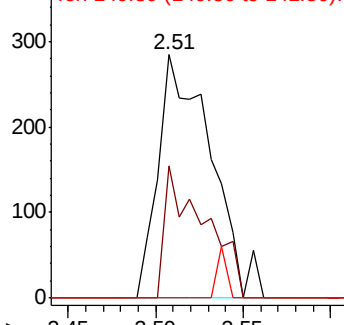
141 0.0 11.5 17.3#



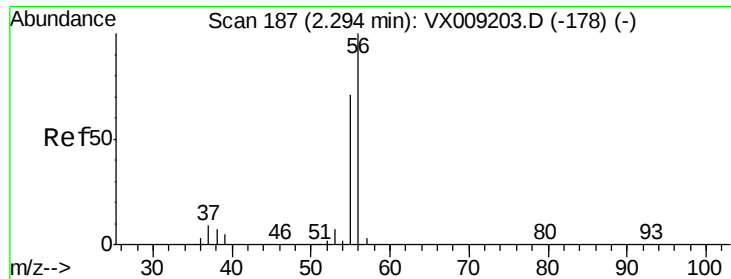
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#13

Acrolein

Concen: 0.734 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

Instrument :

MSVOA_X

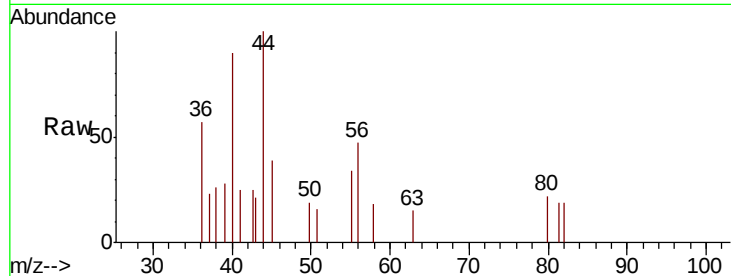
ClientSampleId :

Tot Ion: 56 Resp: 373

Ion Ratio Lower Upper

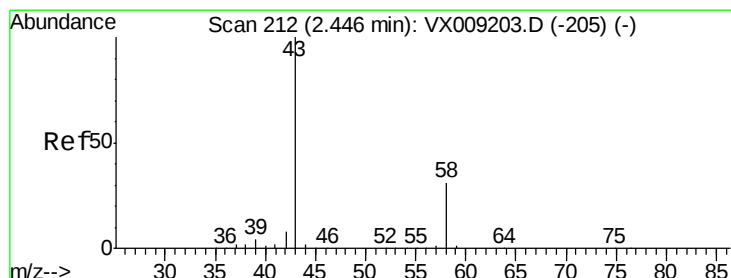
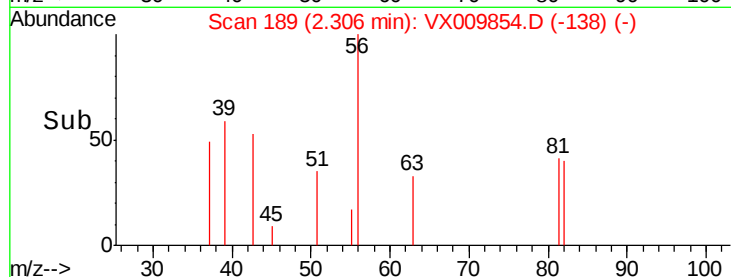
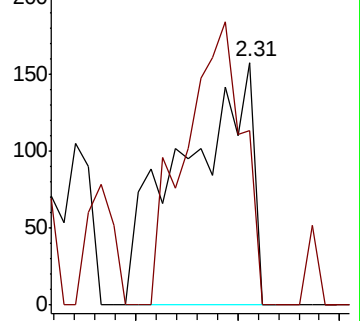
56 100

55 97.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.330 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX009854.D

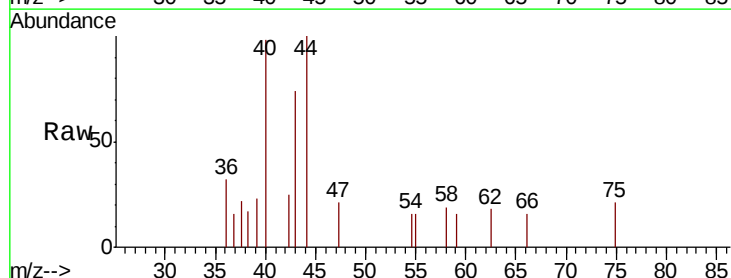
Acq: 23 May 2019 13:34

Tgt Ion: 43 Resp: 430

Ion Ratio Lower Upper

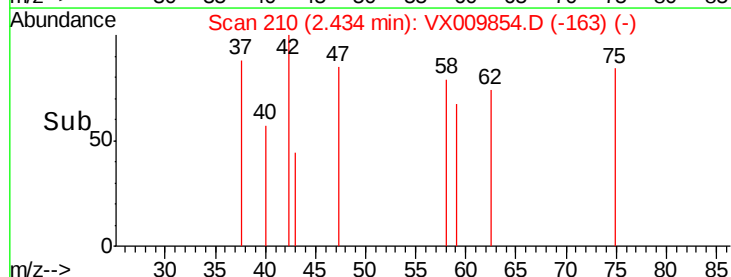
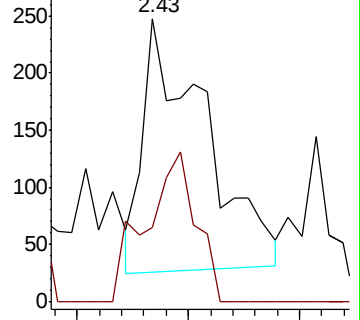
43 100

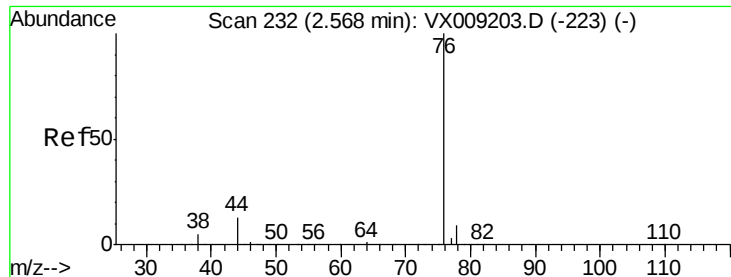
58 33.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.300 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

Instrument :

MSVOA_X

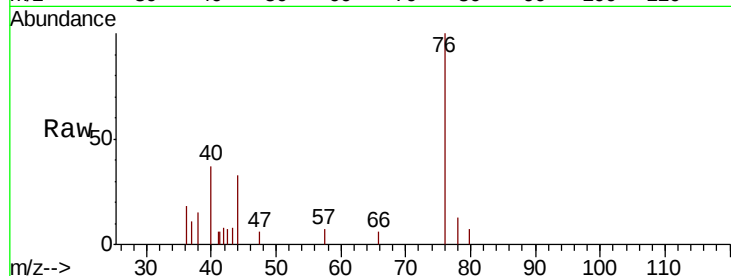
ClientSampled :

Tot Ion: 76 Resp: 1404

Ion Ratio Lower Upper

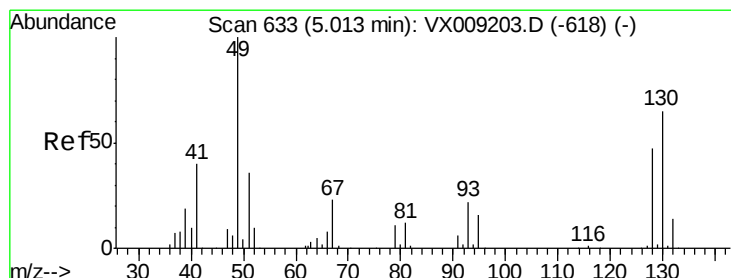
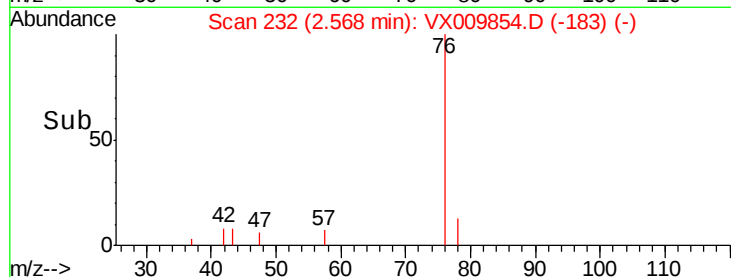
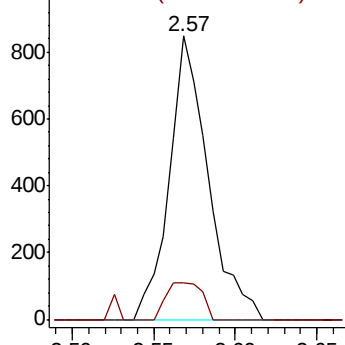
76 100

78 13.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

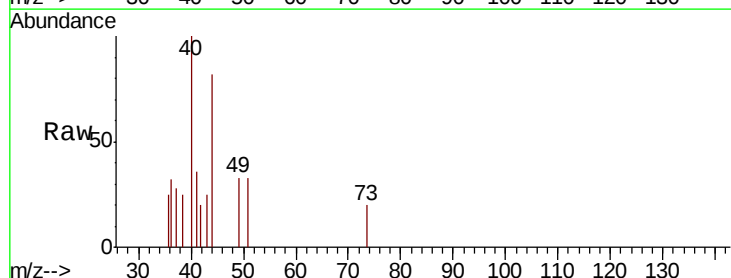
Tgt Ion: 49 Resp: 198

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

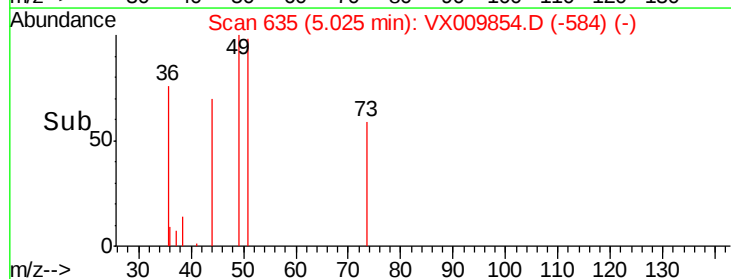
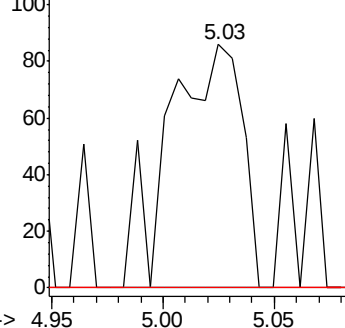
130 0.0 51.2 76.8#

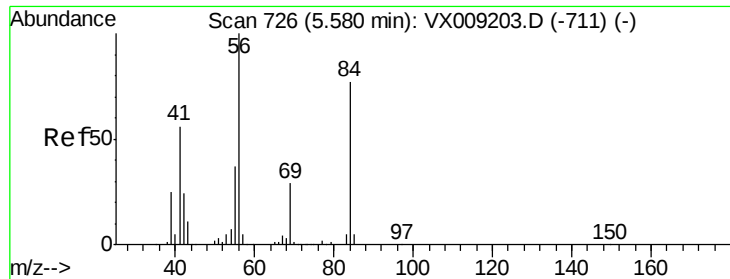


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

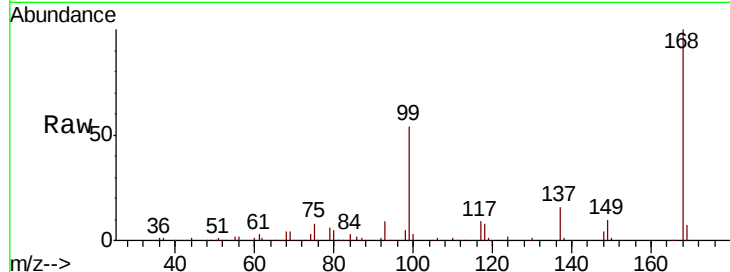




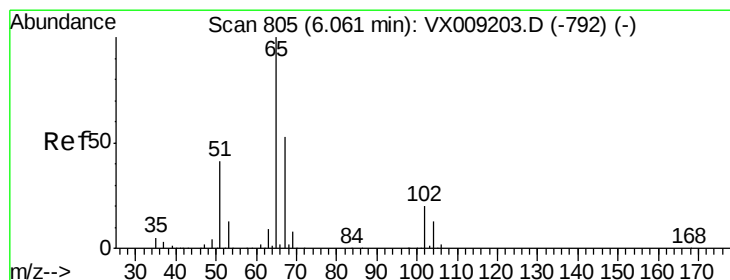
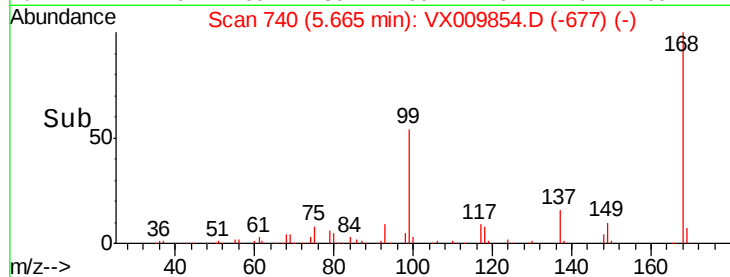
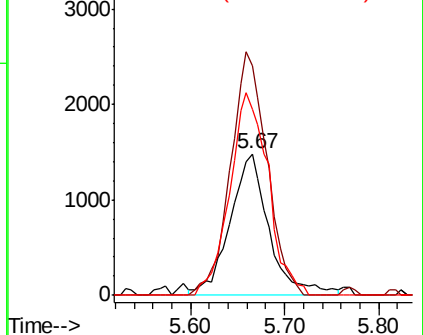
#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009854.D
Acq: 23 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	168.3	23.4	35.0#
84	136.4	61.9	92.9#

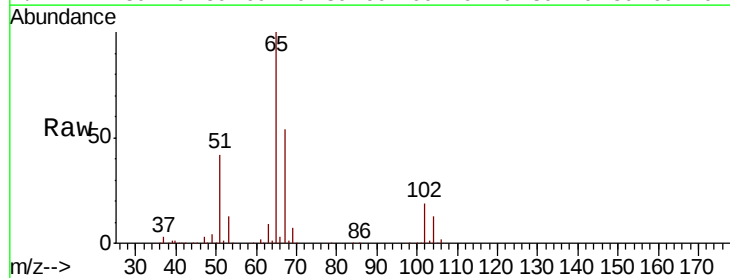


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

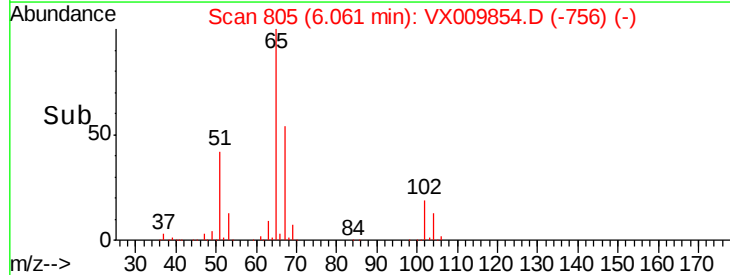
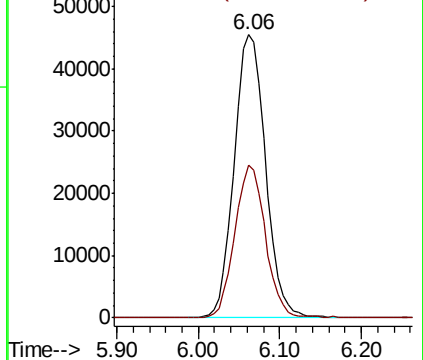


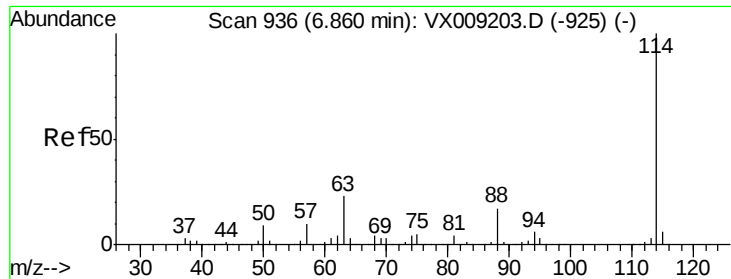
#33
1,2-Dichloroethane-d4
Concen: 49.796 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009854.D
Acq: 23 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.6



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

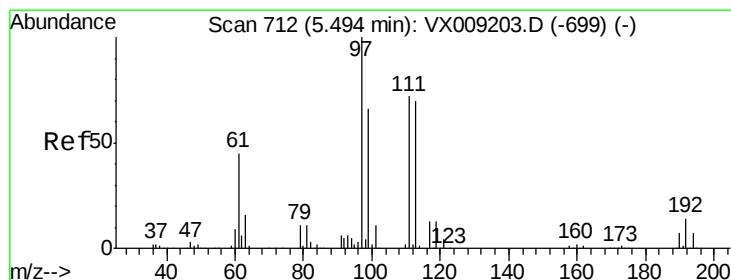
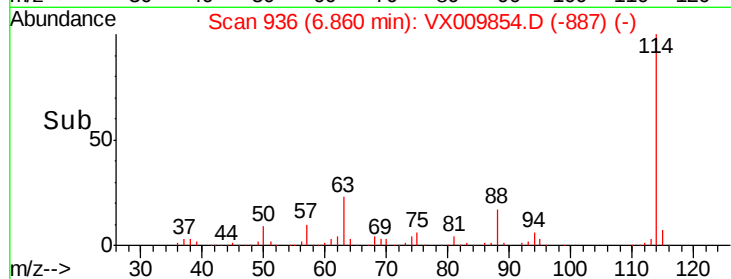
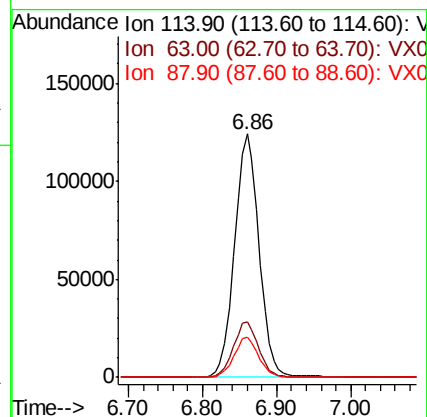
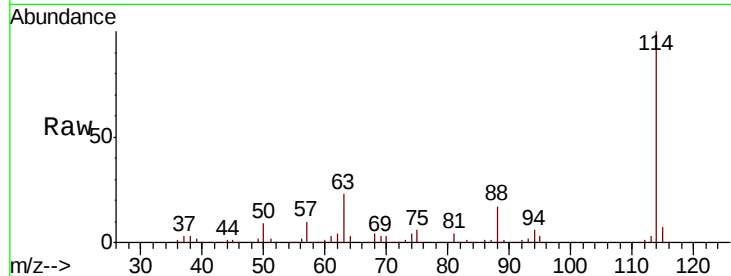




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009854.D
 Acq: 23 May 2019 13:34

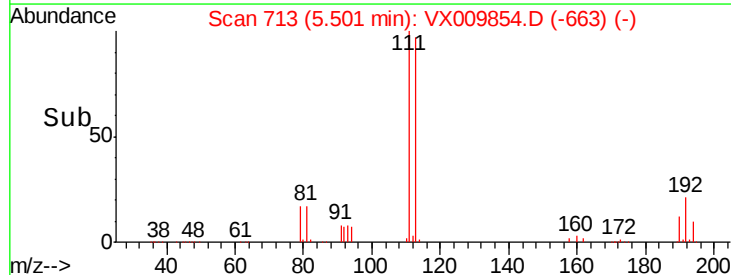
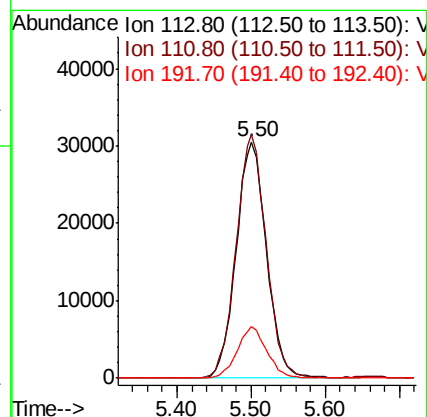
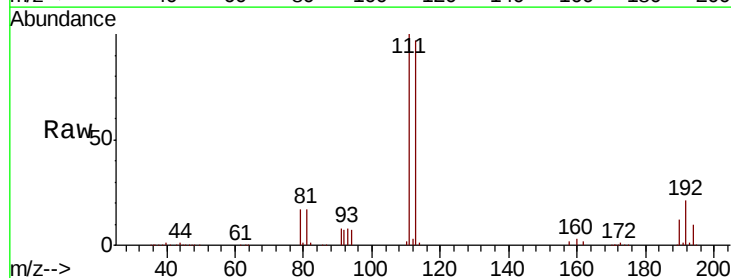
Instrument :
 MSVOA_X
 ClientSampleId :

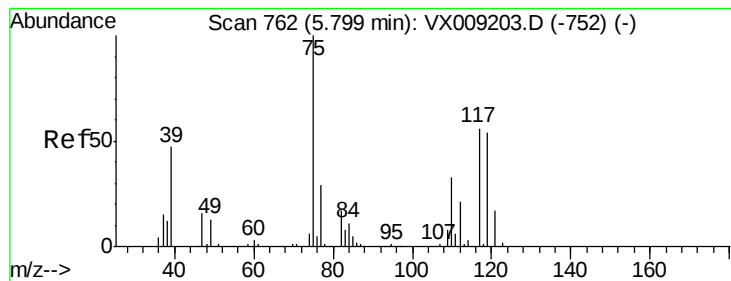
Tot Ion:114 Resp: 286664
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.6 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.265 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009854.D
 Acq: 23 May 2019 13:34

Tgt Ion:113 Resp: 86978
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 21.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.347 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

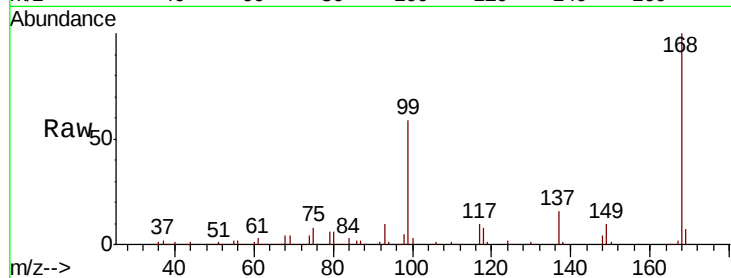
Tot Ion: 75 Resp: 14244

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

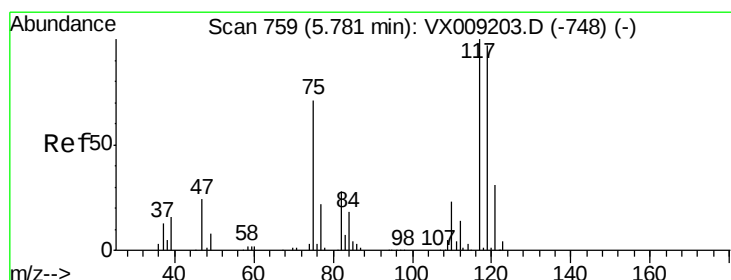
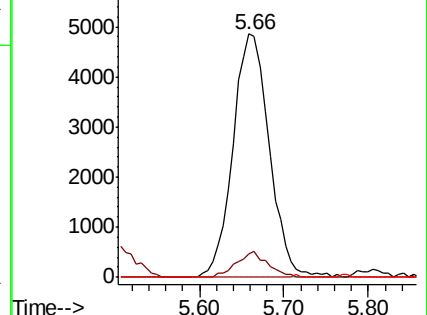
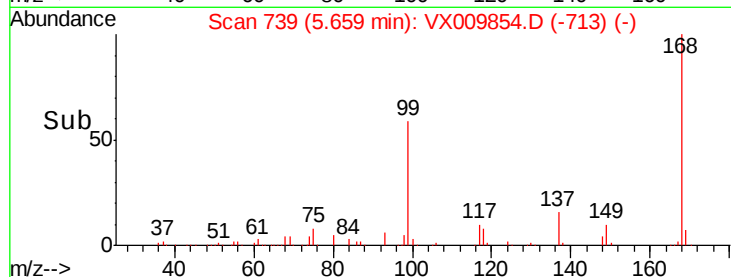
77 0.0 24.8 37.2#



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: 6.899 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

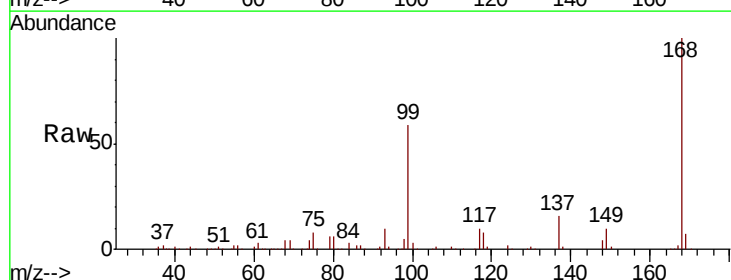
Tgt Ion:117 Resp: 16698

Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

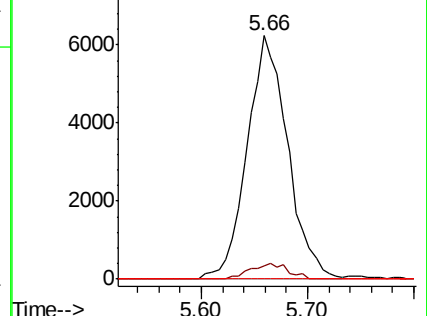
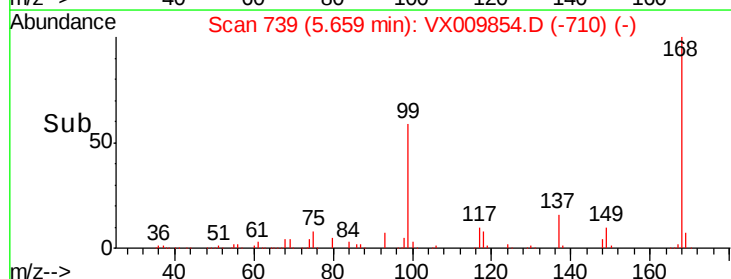
121 0.0 24.7 37.1#

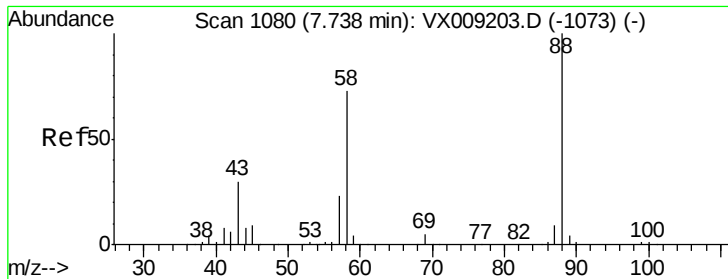


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

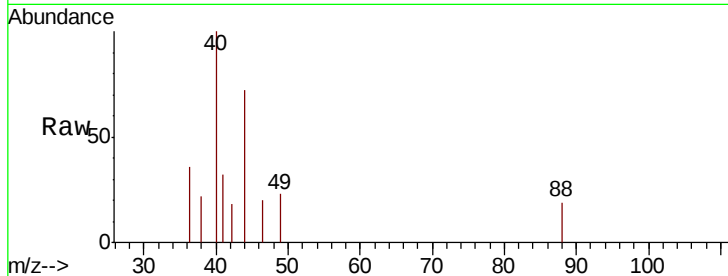




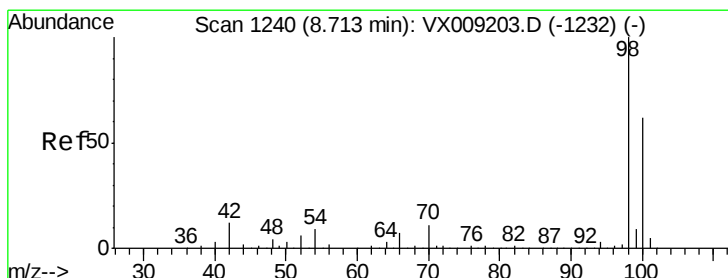
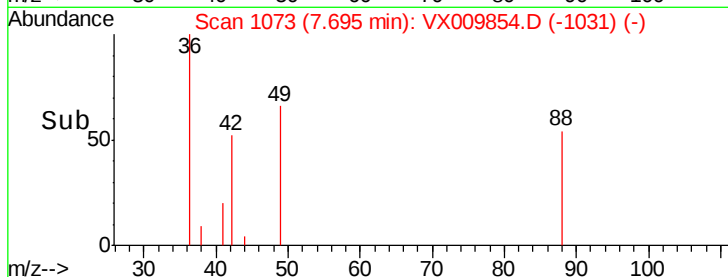
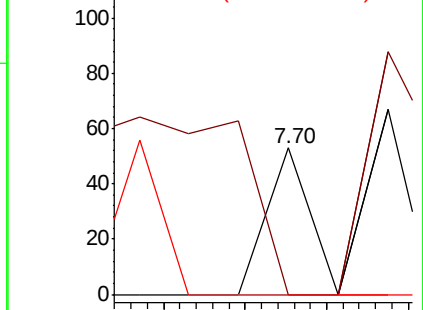
#49
1,4-Dioxane
Concen: 0.318 ug/l
RT: 7.70 min Scan# 1073
Delta R.T. -0.04 min
Lab File: VX009854.D
Acq: 23 May 2019 13:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 505.3 28.6 42.8#
58 0.0 61.7 92.5#

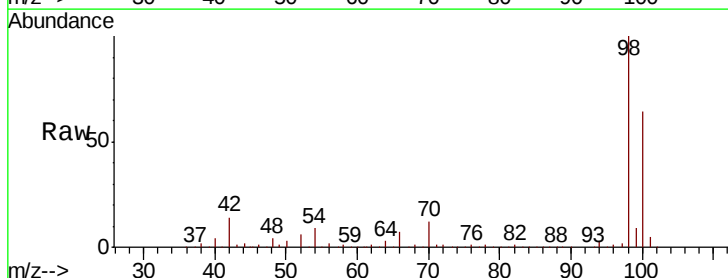


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

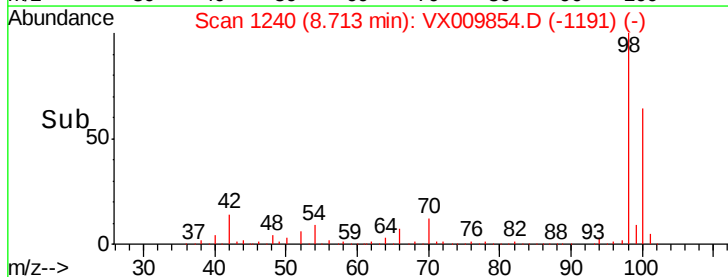
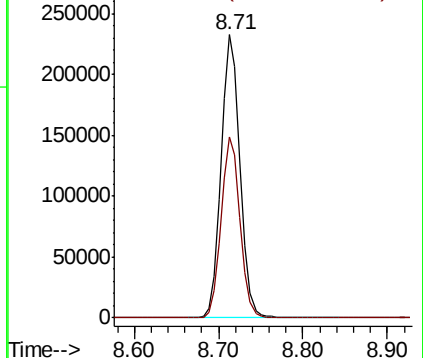


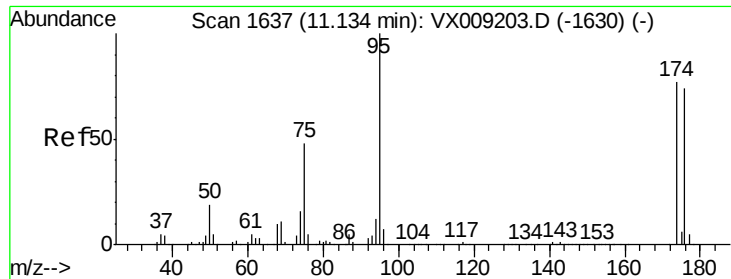
#50
Toluene-d8
Concen: 49.533 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009854.D
Acq: 23 May 2019 13:34

Tgt Ion: 98 Resp: 360372
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



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

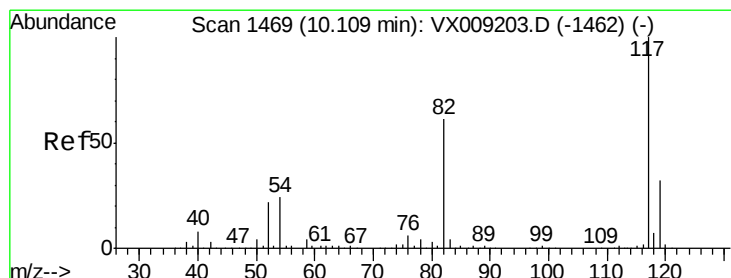
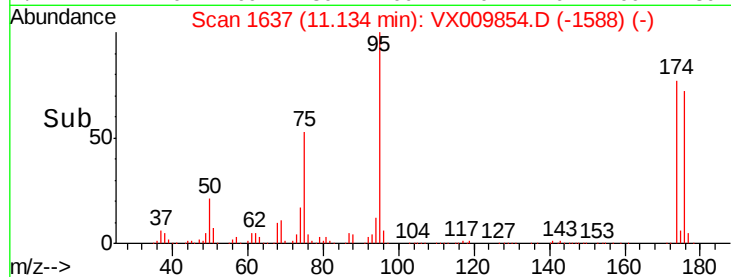
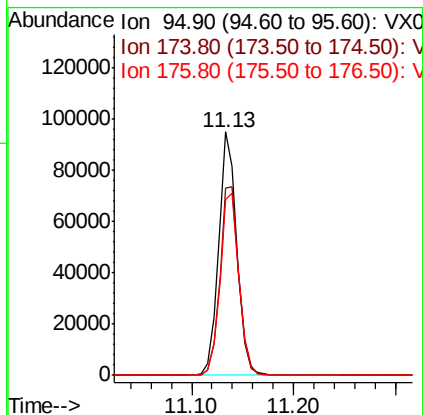
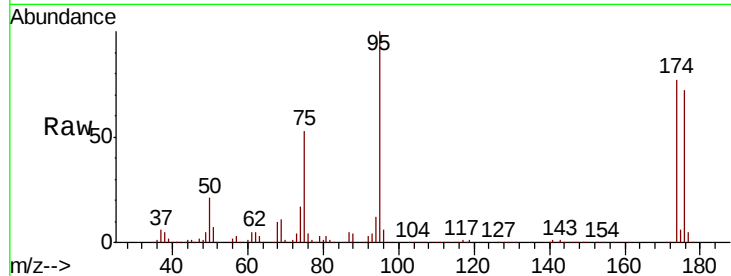




#62
4-Bromofluorobenzene
Concen: 44.855 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009854.D
Acq: 23 May 2019 13:34

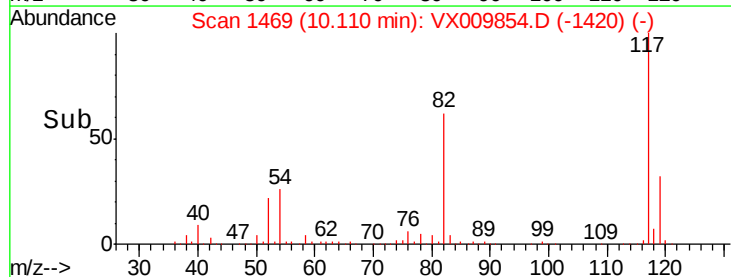
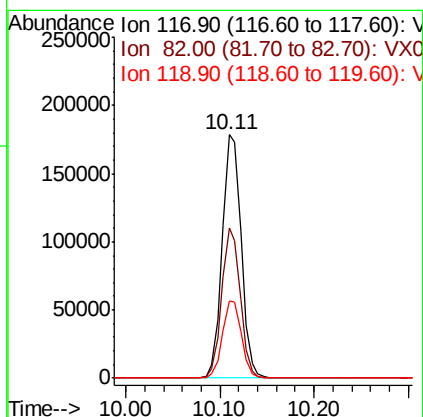
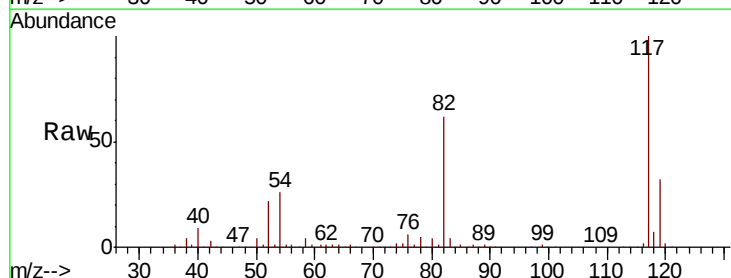
Instrument :
MSVOA_X
ClientSampleId :

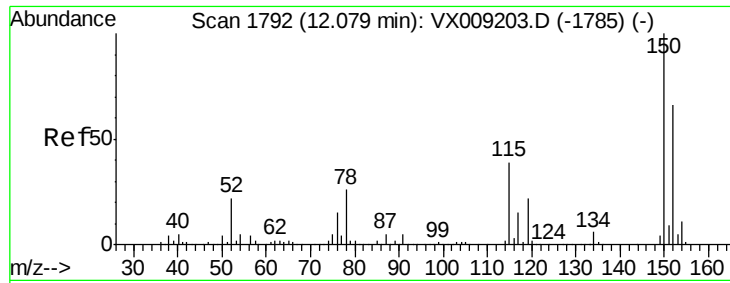
Tot Ion: 95 Resp: 118581
Ion Ratio Lower Upper
95 100
174 80.9 0.0 161.6
176 77.6 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009854.D
Acq: 23 May 2019 13:34

Tgt Ion: 117 Resp: 249206
Ion Ratio Lower Upper
117 100
82 61.5 48.8 73.2
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

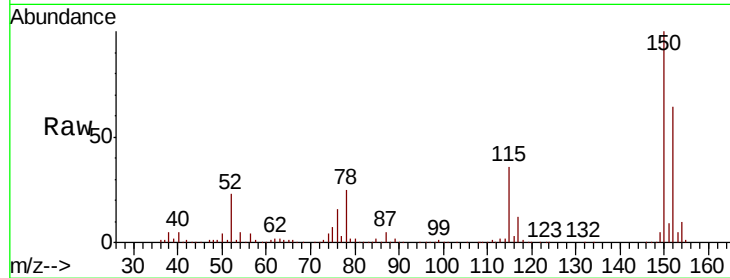
Tot Ion:152 Resp: 103443

Ion Ratio Lower Upper

152 100

115 59.0 41.2 123.6

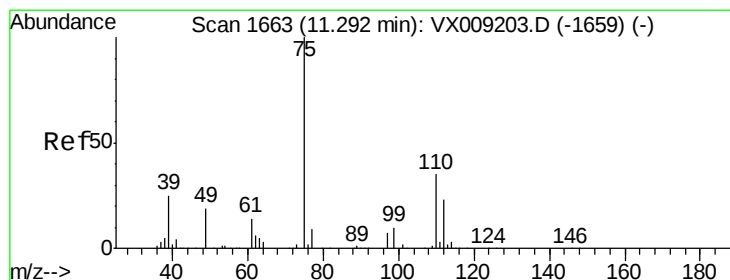
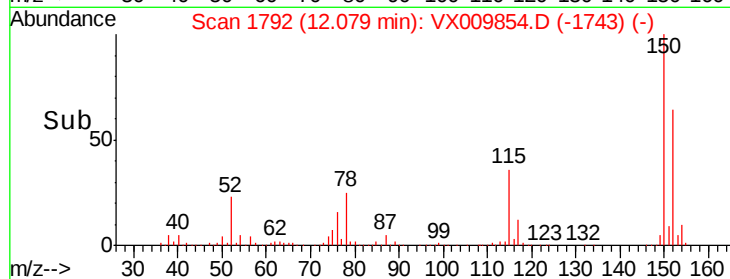
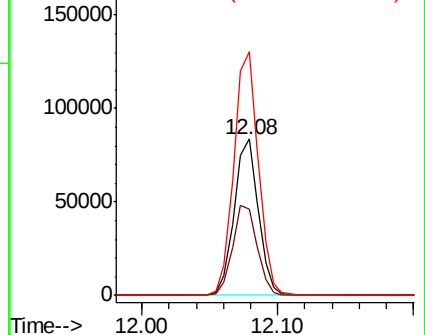
150 158.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.489 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009854.D

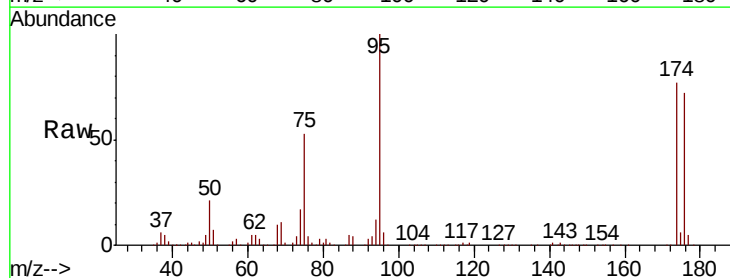
Acq: 23 May 2019 13:34

Tgt Ion: 75 Resp: 61162

Ion Ratio Lower Upper

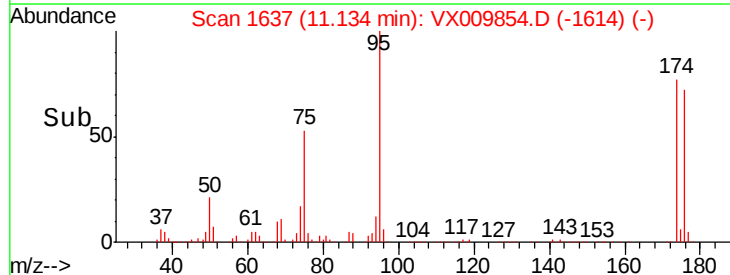
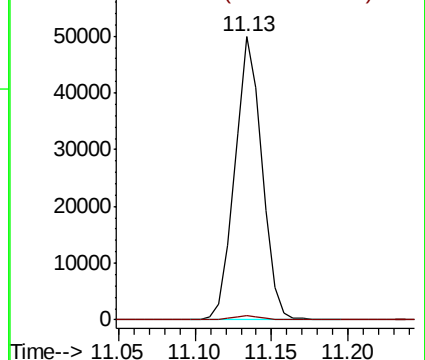
75 100

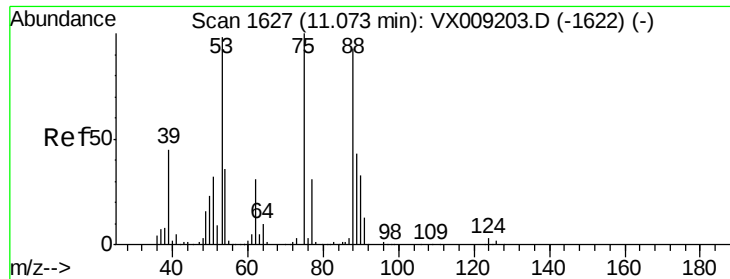
77 1.4 22.1 66.1#



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: 65.218 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

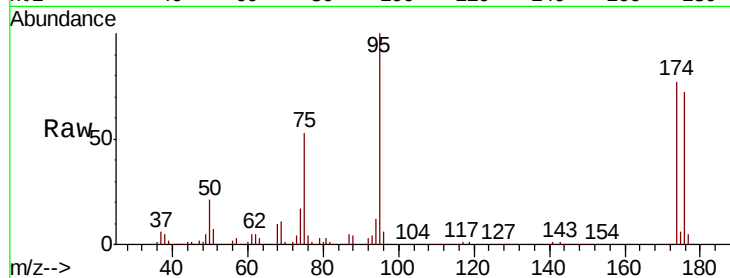
Tot Ion: 75 Resp: 61162

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

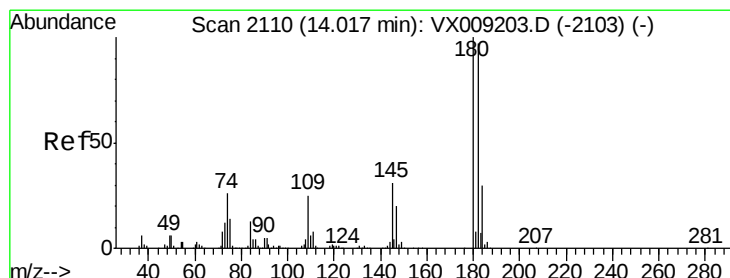
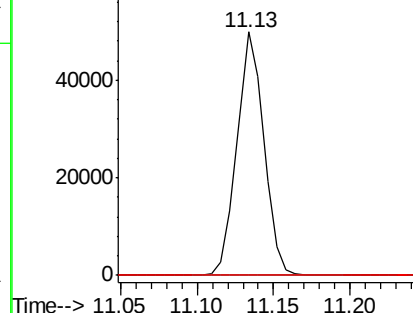
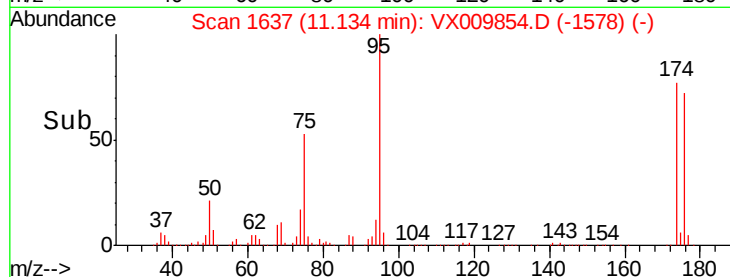
89 0.0 34.7 52.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.200 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX009854.D

Acq: 23 May 2019 13:34

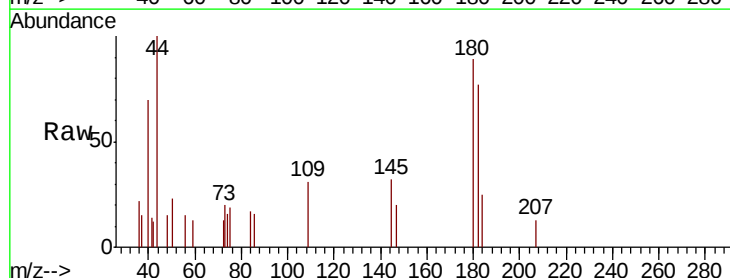
Tgt Ion: 180 Resp: 471

Ion Ratio Lower Upper

180 100

182 90.9 47.8 143.4

145 34.6 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

