

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012739.D
 Acq On : 01 Oct 2019 17:35
 Operator : JC/SP
 Sample : K5082-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:48:05 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	156442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	83652	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	111260	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.49	113	83184	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	8.71	98	317074	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.14	95	102292	41.11	ug/l	0.00
Spiked Amount			Recovery	=	82.22%	

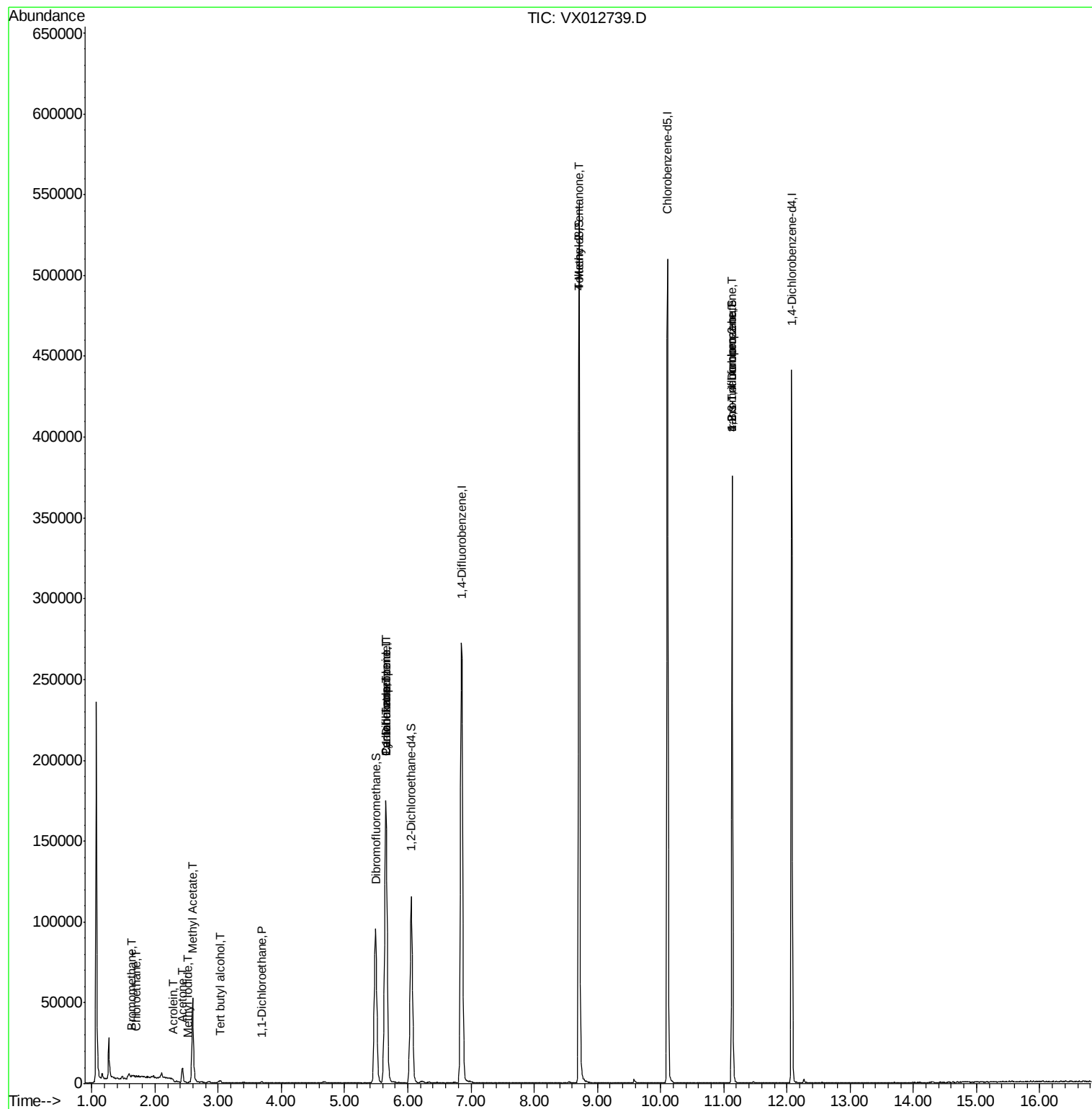
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	398	0.504	ug/l #	64
6) Chloroethane	1.70	64	285	0.210	ug/l	94
10) Methyl Iodide	2.51	142	53	4.979	ug/l #	35
11) Tert butyl alcohol	3.03	59	1550	2.724	ug/l #	76
13) Acrolein	2.28	56	249	10.986	ug/l #	15
16) Acetone	2.44	43	10152	8.413	ug/l	99
18) Methyl Acetate	2.59	43	14450	5.086	ug/l #	54
24) 1,1-Dichloroethane	3.69	63	711	0.203	ug/l #	81
31) Cyclohexane	5.65	56	3767	1.188	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13536	5.089	ug/l #	51
38) Carbon Tetrachloride	5.65	117	16955	6.275	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1504	0.469	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	53123	24.007	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	53123	68.799	ug/l #	8

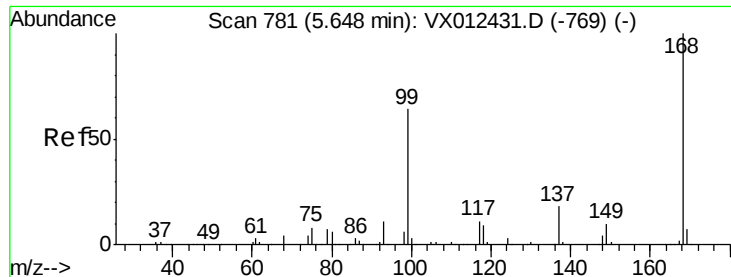
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012739.D

Acq: 01 Oct 2019 17:35

Instrument :

MSVOA_X

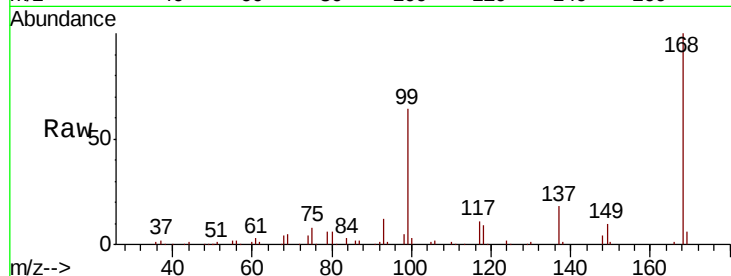
ClientSampleId :

Tot Ion:168 Resp: 156442

Ion Ratio Lower Upper

168 100

99 63.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

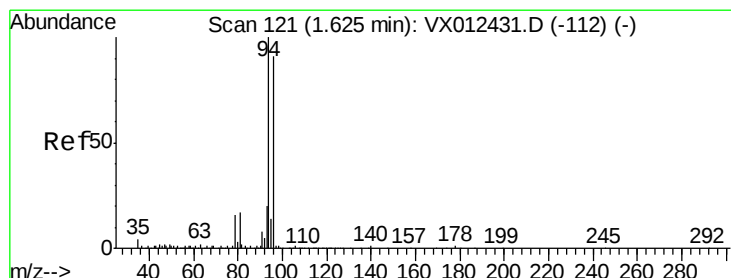
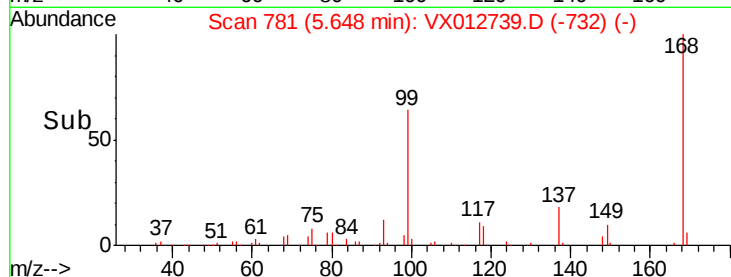
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.504 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012739.D

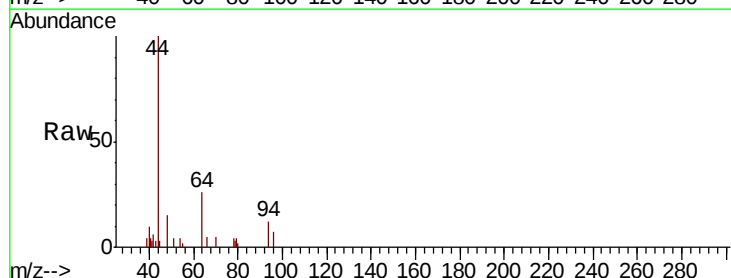
Acq: 01 Oct 2019 17:35

Tgt Ion: 94 Resp: 398

Ion Ratio Lower Upper

94 100

96 56.5 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

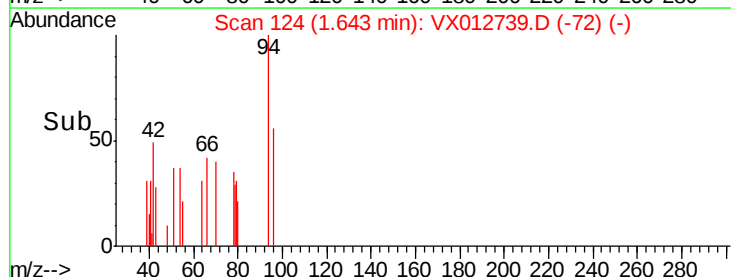
150

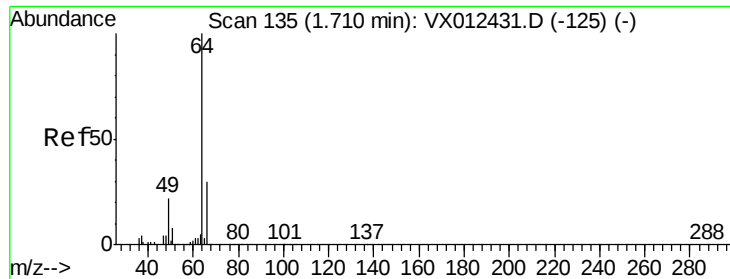
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

Instrument :

MSVOA_X

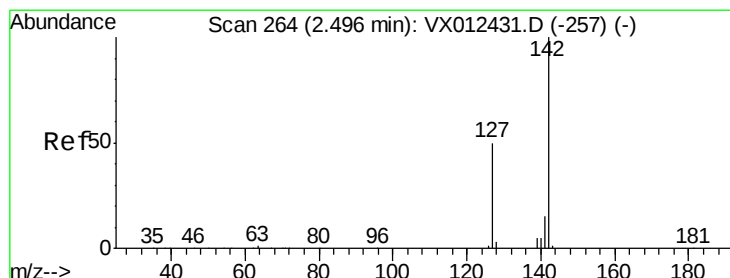
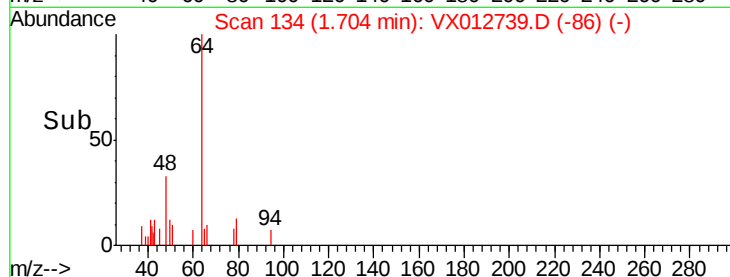
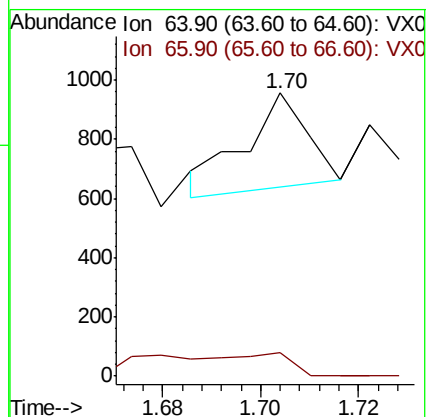
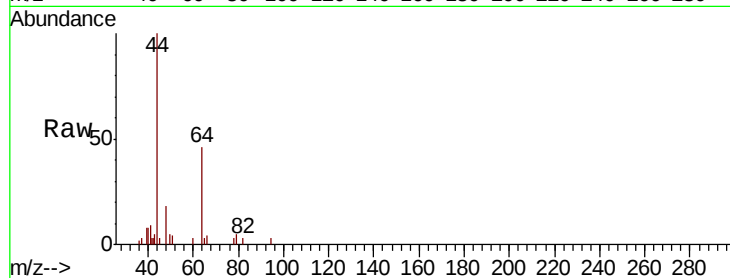
ClientSampleId :

Tot Ion: 64 Resp: 285

Ion Ratio Lower Upper

64 100

66 26.8 24.0 36.0



#10

Methyl Iodide

Concen: 4.979 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

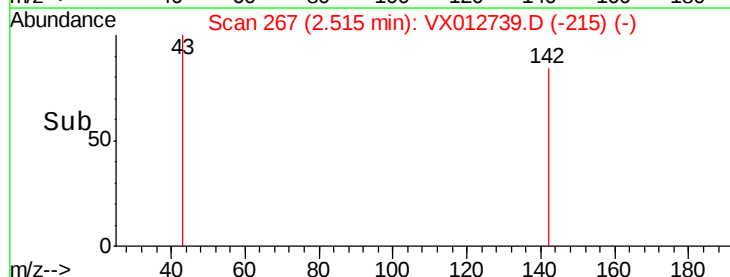
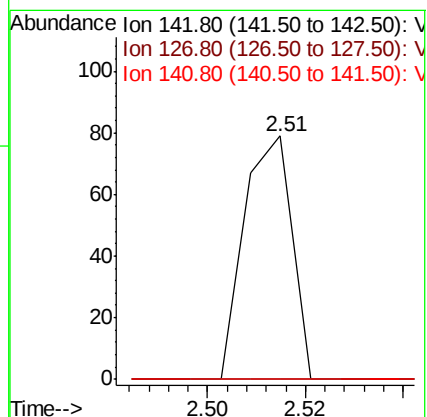
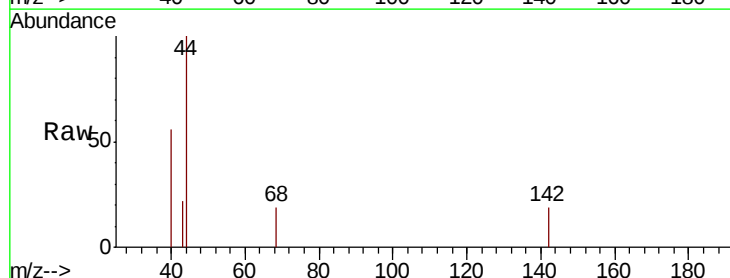
Tgt Ion: 142 Resp: 53

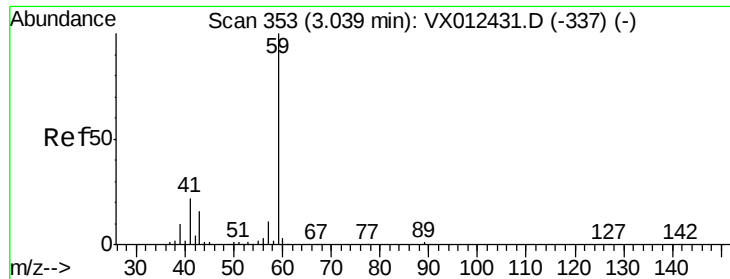
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



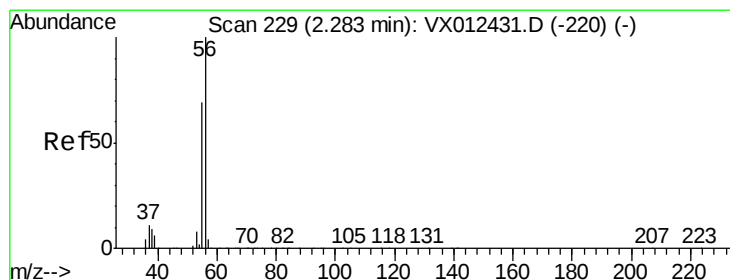
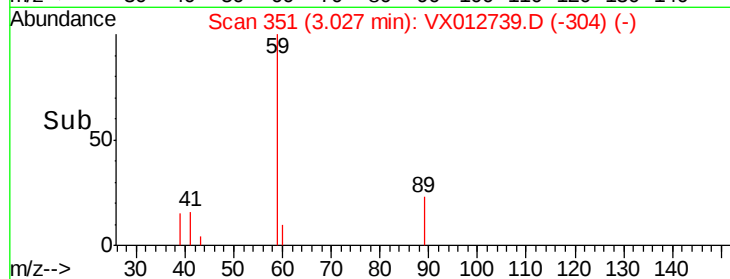
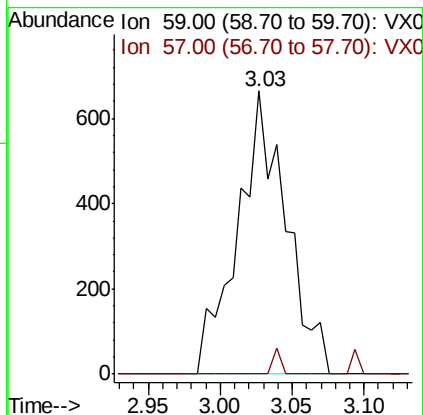
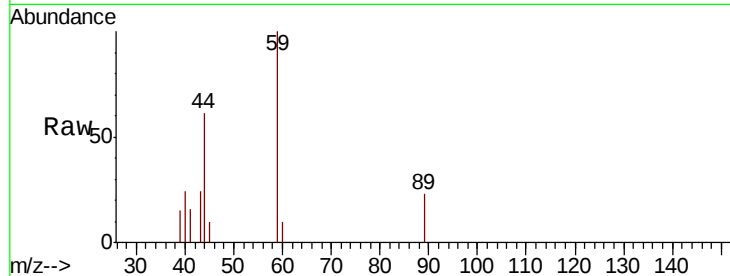


#11

Tert butvl alcohol
 Concen: 2.724 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012739.D
 Acq: 01 Oct 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :

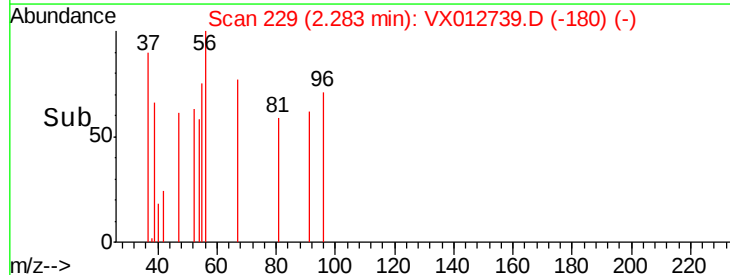
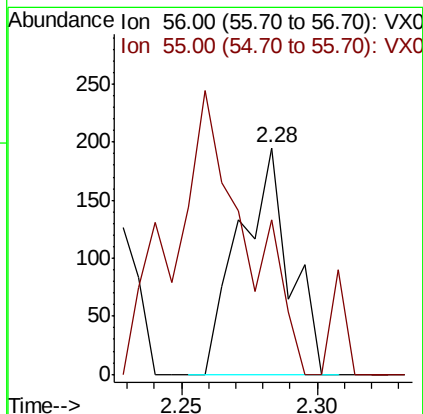
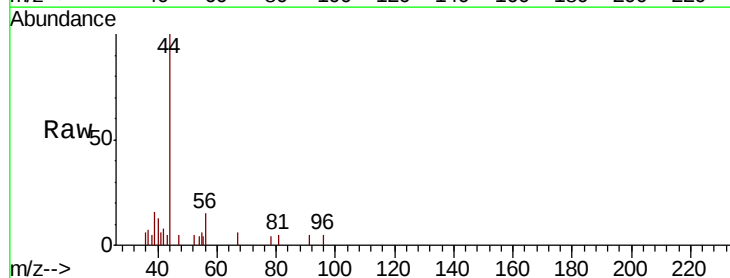
Tot Ion: 59 Resp: 1550
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.3 12.5#

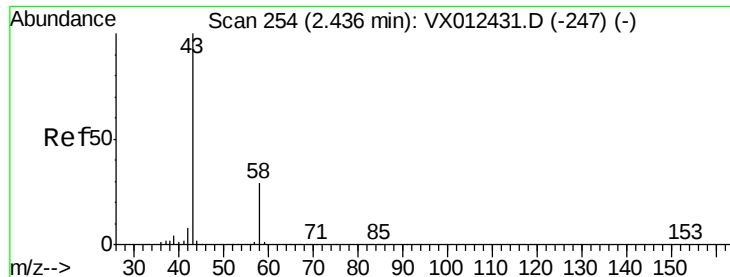


#13

Acrolein
 Concen: 10.986 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012739.D
 Acq: 01 Oct 2019 17:35

Tgt Ion: 56 Resp: 249
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 8.413 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

Instrument :

MSVOA_X

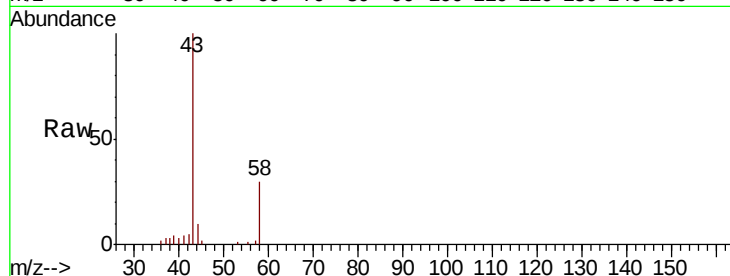
ClientSampleId :

Tot Ion: 43 Resp: 10152

Ion Ratio Lower Upper

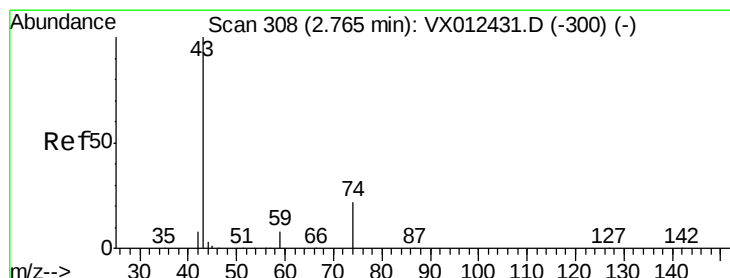
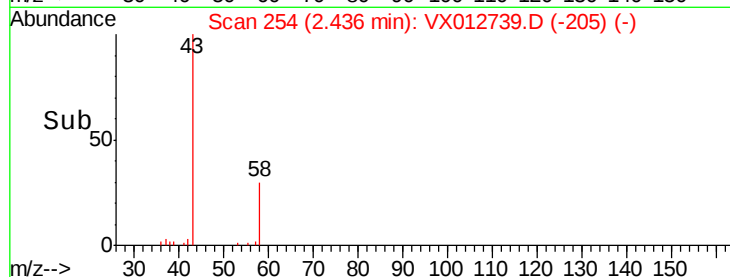
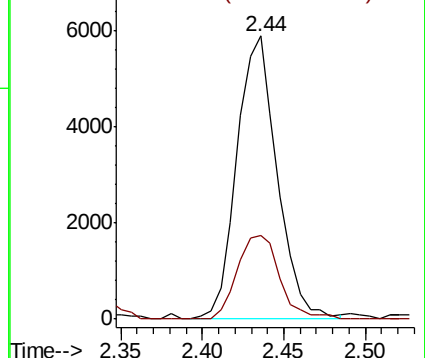
43 100

58 29.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 5.086 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012739.D

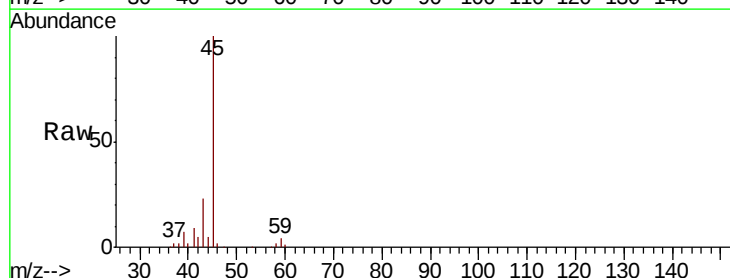
Acq: 01 Oct 2019 17:35

Tgt Ion: 43 Resp: 14450

Ion Ratio Lower Upper

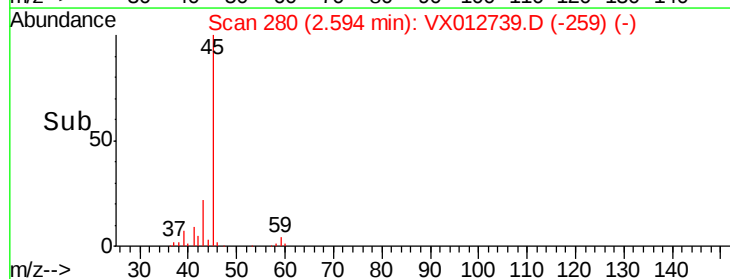
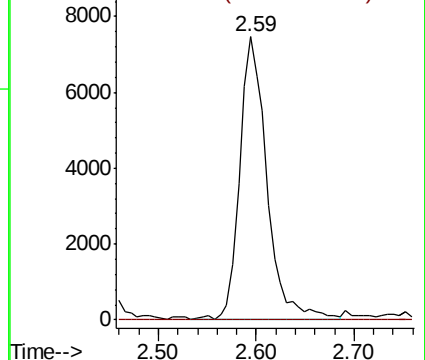
43 100

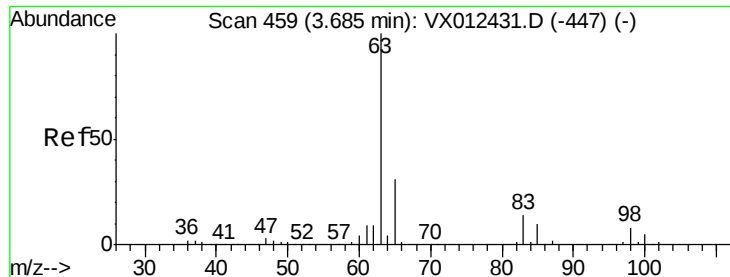
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

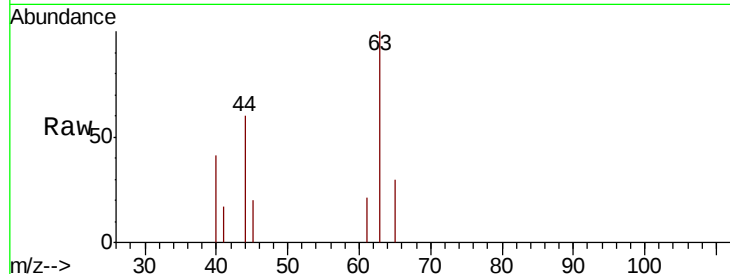




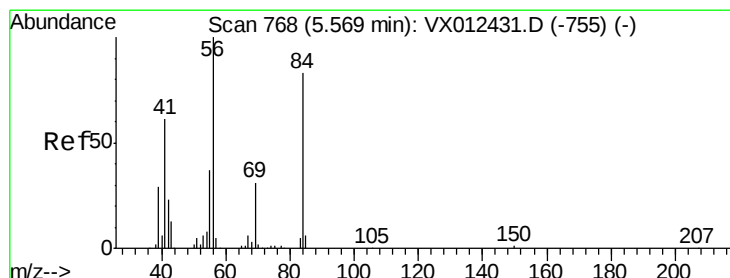
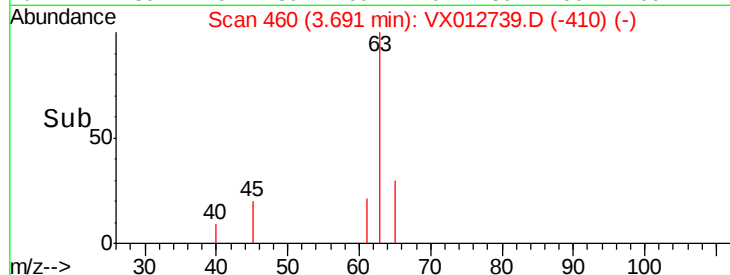
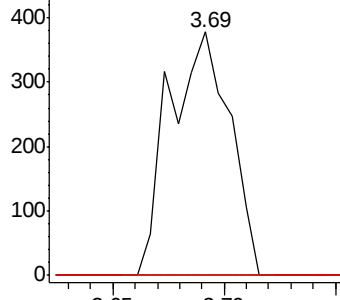
#24
 1,1-Dichloroethane
 Concen: 0.203 ug/l
 RT: 3.69 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VX012739.D
 Acq: 01 Oct 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	63	Resp:	711
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.7#
100	0.0	2.3	6.9#

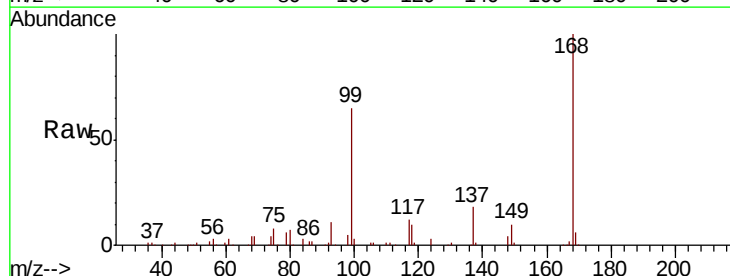


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0
 Ion 99.90 (99.60 to 100.60): VX0

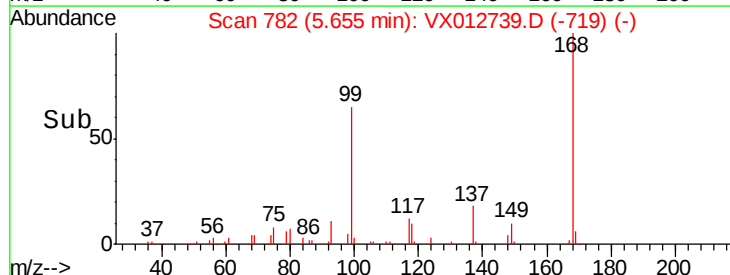
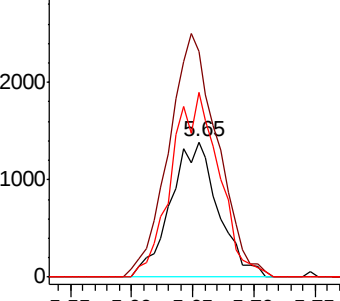


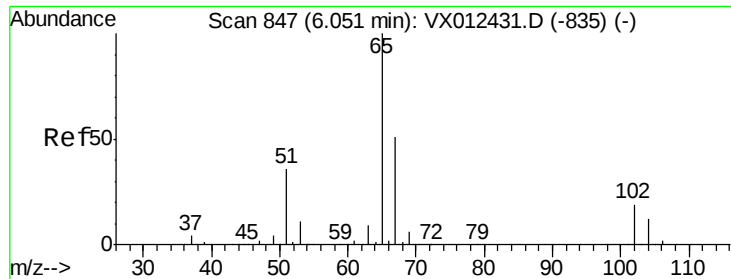
#31
 Cyclohexane
 Concen: 1.188 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012739.D
 Acq: 01 Oct 2019 17:35

Tgt Ion:	56	Resp:	3767
Ion	Ratio	Lower	Upper
56	100		
69	166.7	25.0	37.6#
84	137.1	66.4	99.6#



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

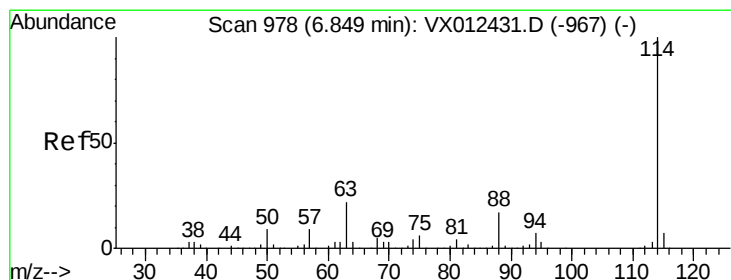
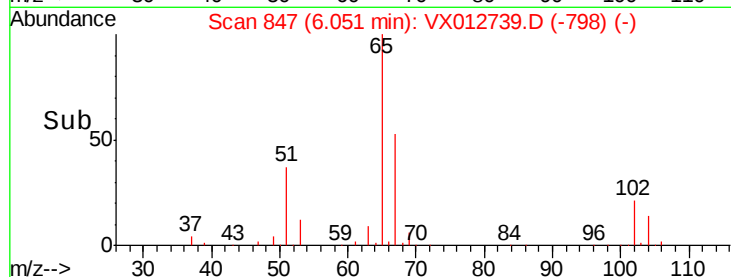
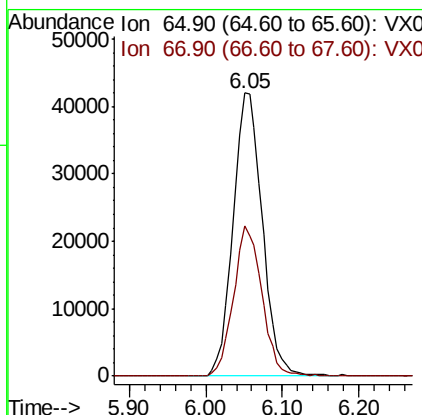
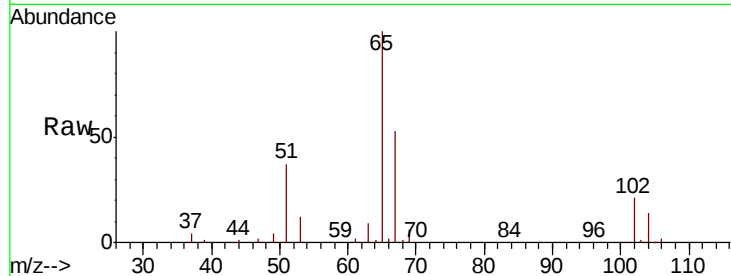




#33
 1,2-Dichloroethane-d4
 Concen: 48.839 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012739.D
 Acq: 01 Oct 2019 17:35

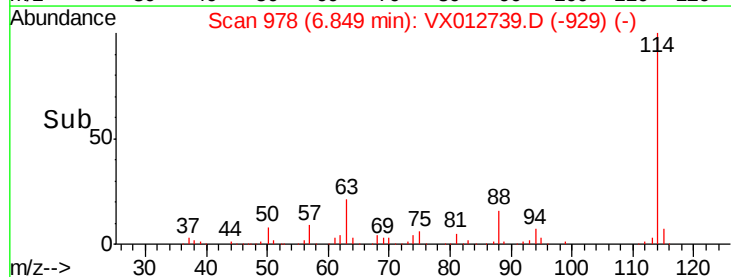
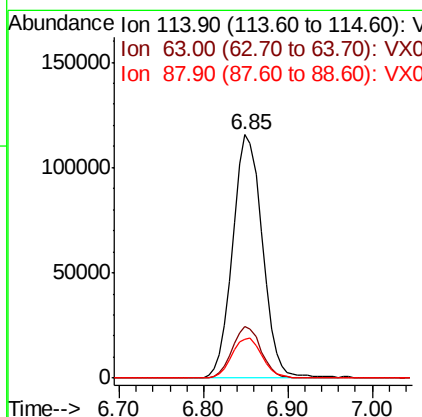
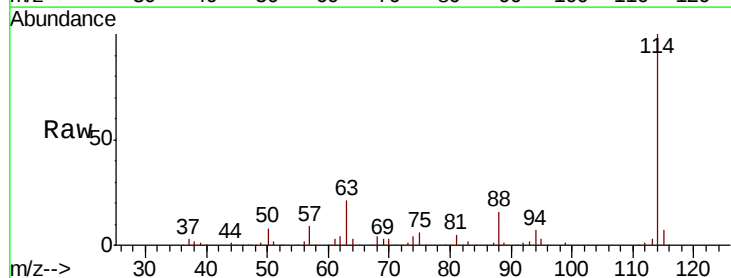
Instrument :
 MSVOA_X
 ClientSampleId :

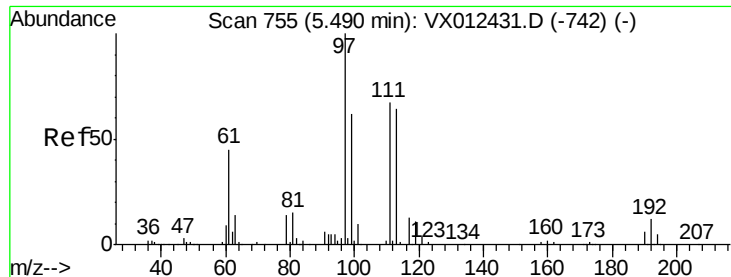
Tot Ion: 65 Resp: 111260
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012739.D
 Acq: 01 Oct 2019 17:35

Tgt Ion: 114 Resp: 275937
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.619 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

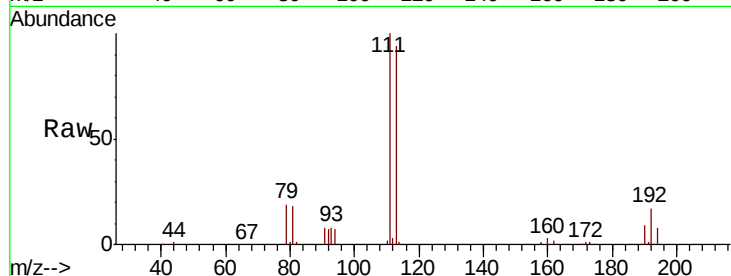
Tot Ion:113 Resp: 83184

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.2

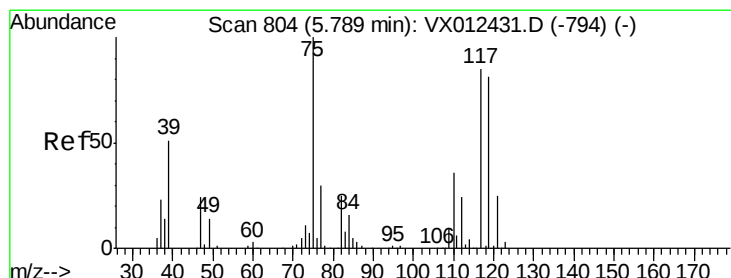
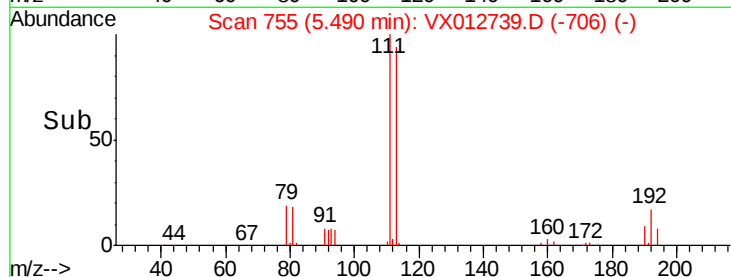
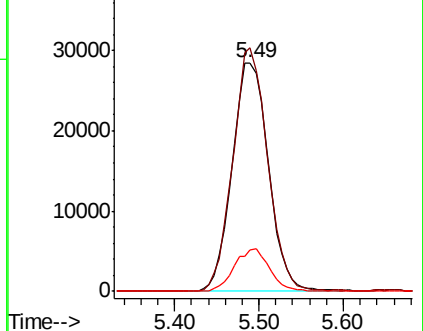
192 18.1 14.4 21.6



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: 5.089 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

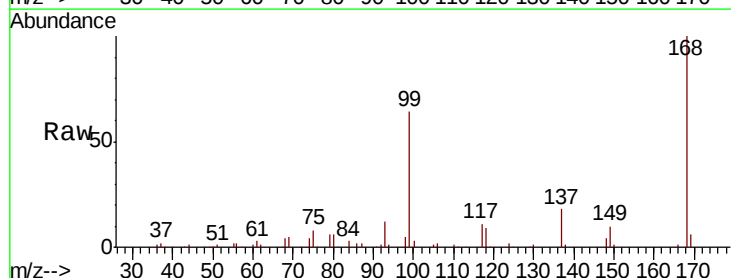
Tgt Ion: 75 Resp: 13536

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.0#

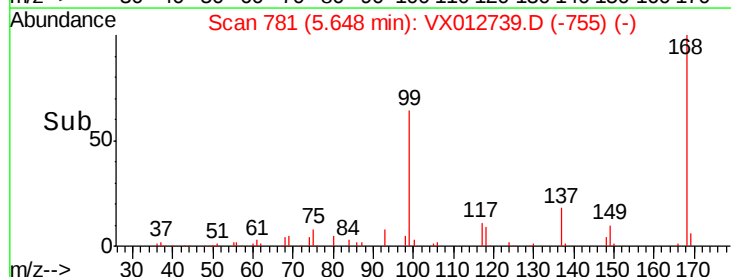
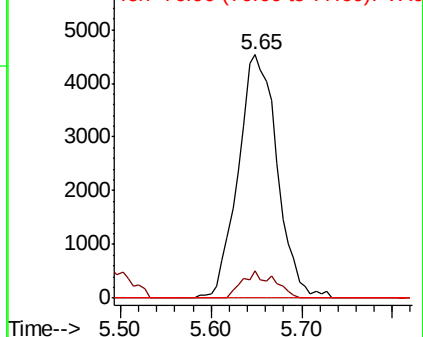
77 0.0 24.2 36.2#

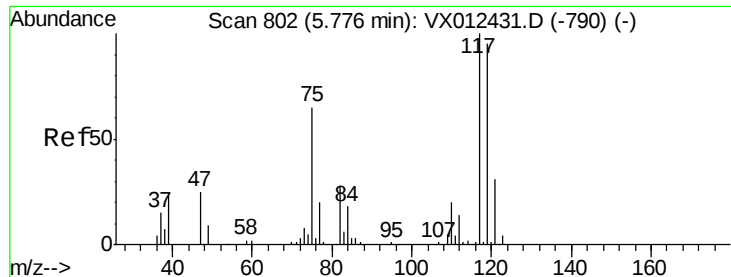


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.275 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

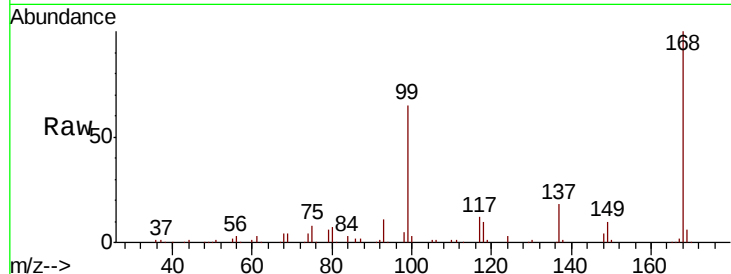
Tot Ion:117 Resp: 16955

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

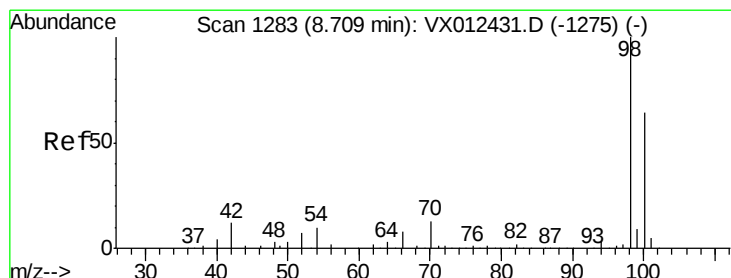
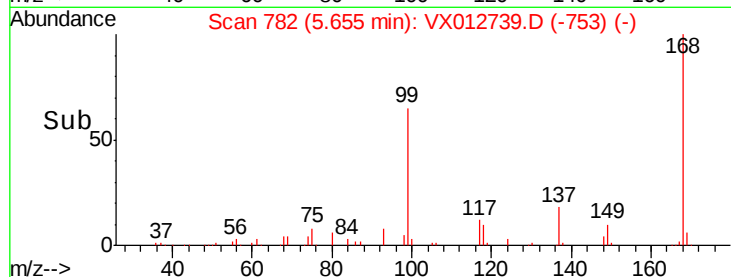
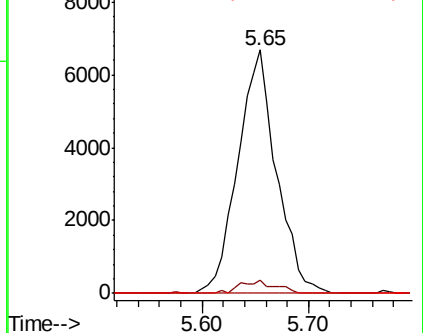
121 0.0 24.2 36.4#



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: 50.102 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012739.D

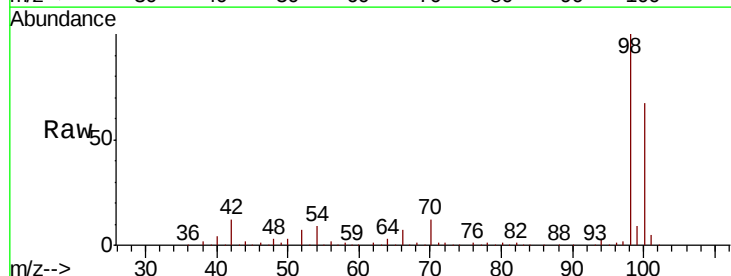
Acq: 01 Oct 2019 17:35

Tgt Ion: 98 Resp: 317074

Ion Ratio Lower Upper

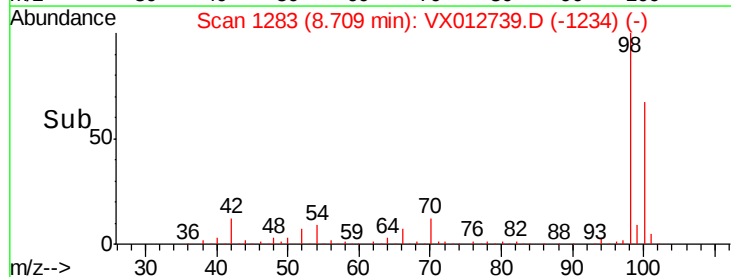
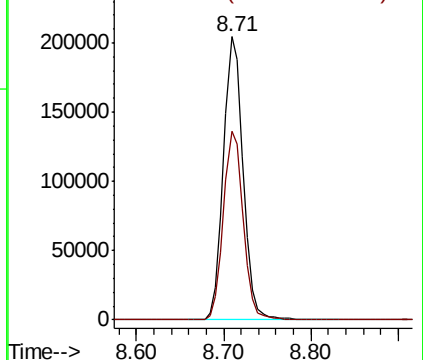
98 100

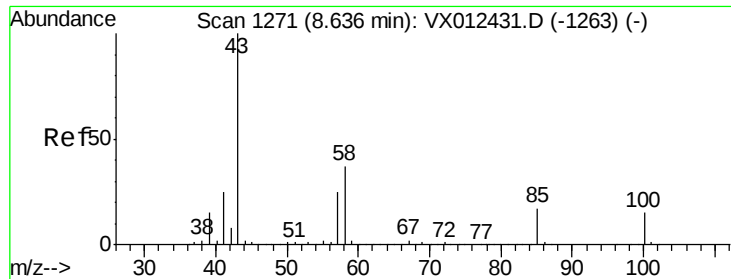
100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

Instrument :

MSVOA_X

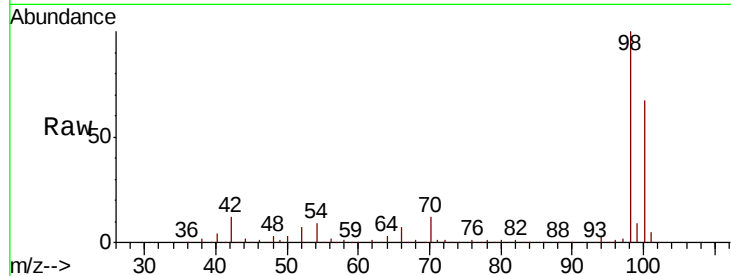
ClientSampled :

Tot Ion: 43 Resp: 1504

Ion Ratio Lower Upper

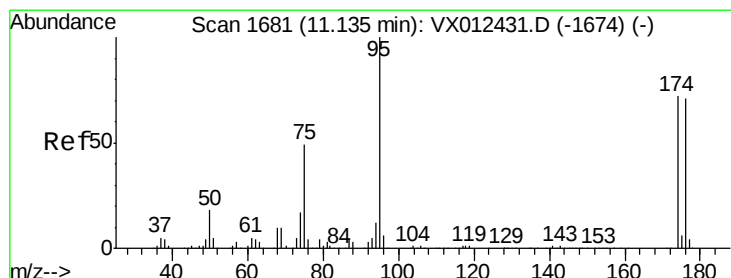
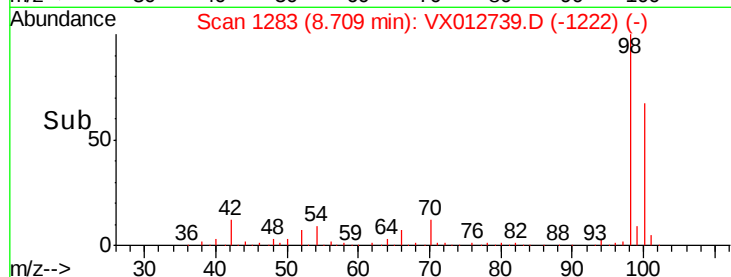
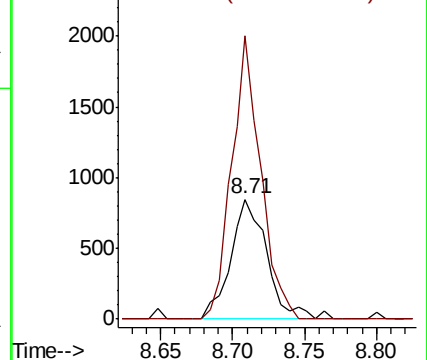
43 100

58 188.2 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 41.107 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

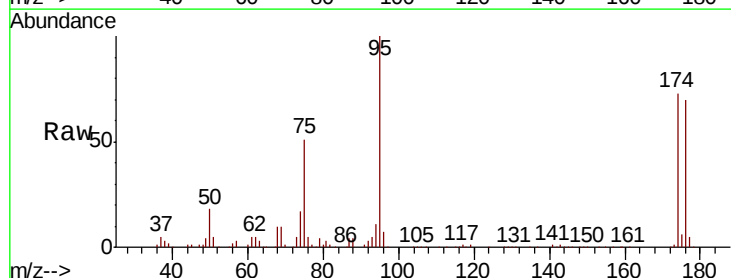
Tgt Ion: 95 Resp: 102292

Ion Ratio Lower Upper

95 100

174 69.3 0.0 140.0

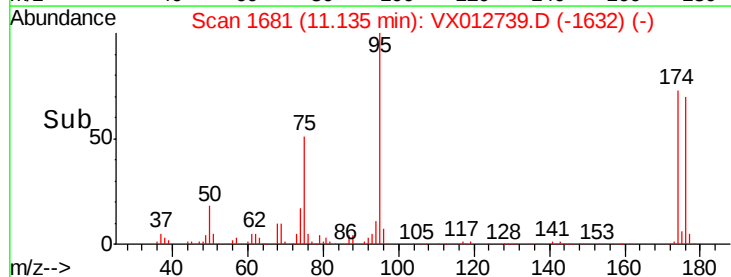
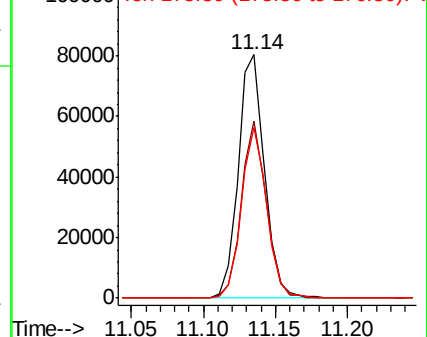
176 67.3 0.0 135.4

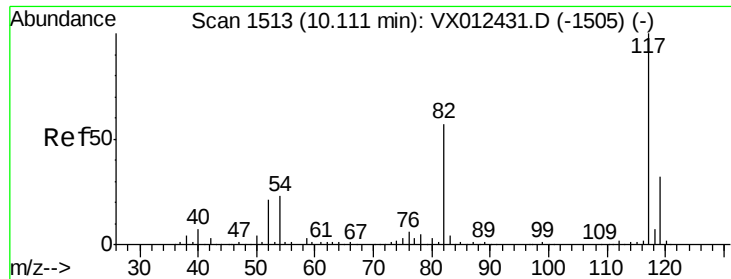


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

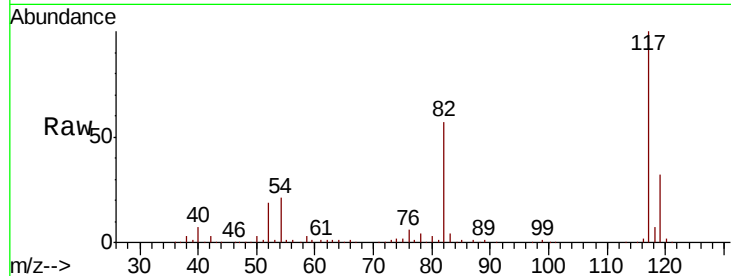




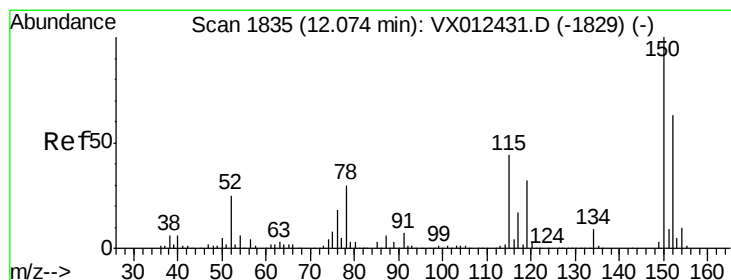
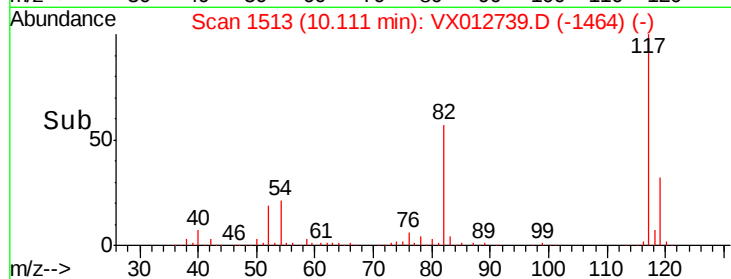
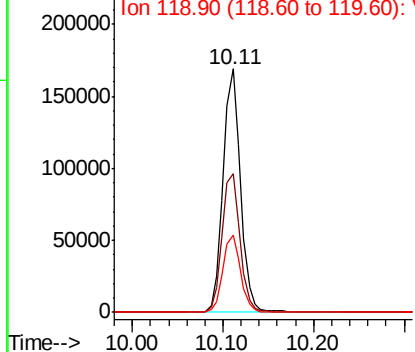
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012739.D
Acq: 01 Oct 2019 17:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 226450
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 31.9 25.3 37.9

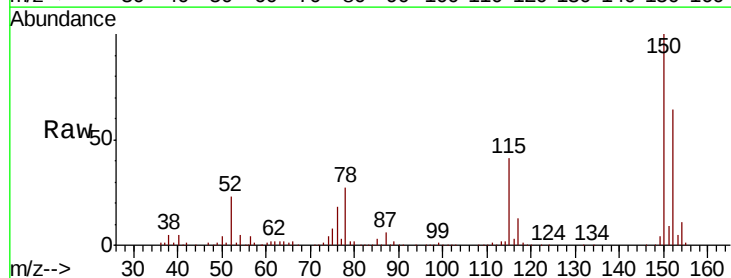


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

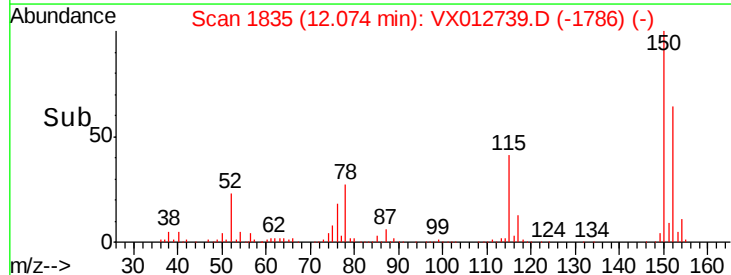
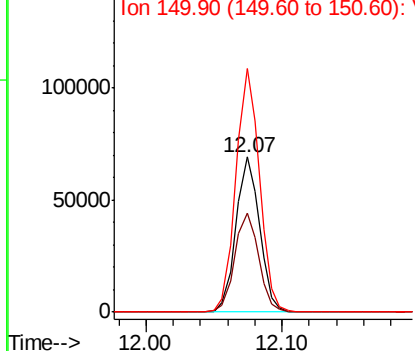


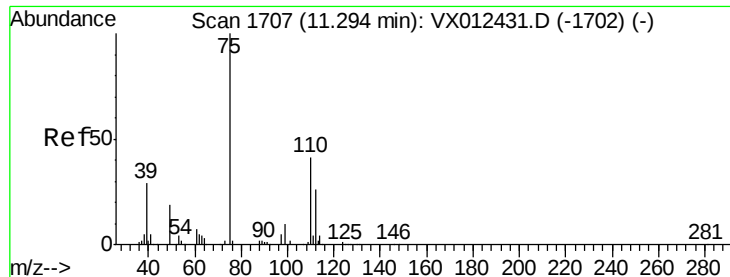
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012739.D
Acq: 01 Oct 2019 17:35

Tgt Ion:152 Resp: 83652
Ion Ratio Lower Upper
152 100
115 64.9 44.1 132.3
150 156.7 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: 24.007 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

Instrument :

MSVOA_X

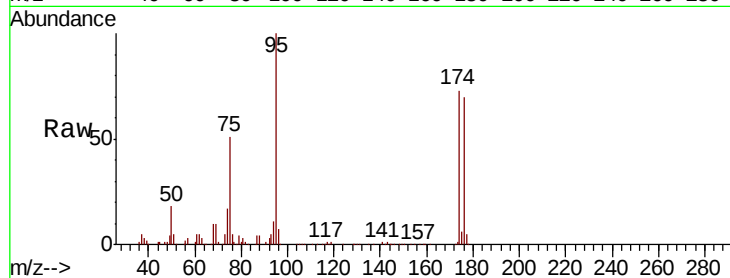
ClientSampleId :

Tot Ion: 75 Resp: 53123

Ion Ratio Lower Upper

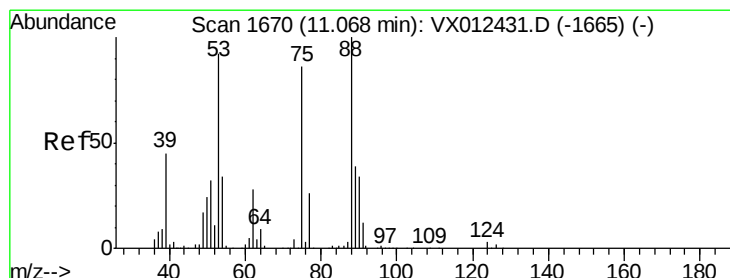
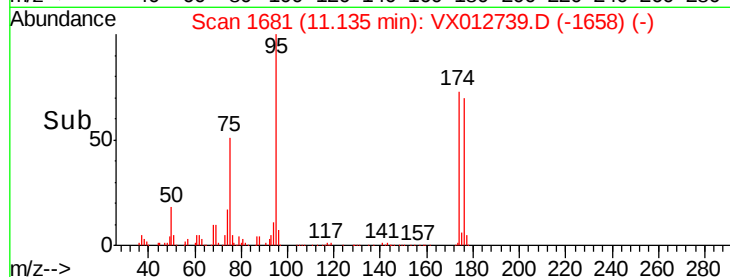
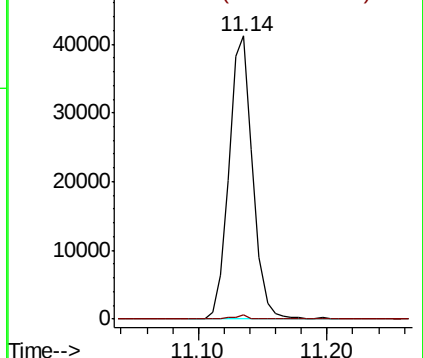
75 100

77 1.1 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: 68.799 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012739.D

Acq: 01 Oct 2019 17:35

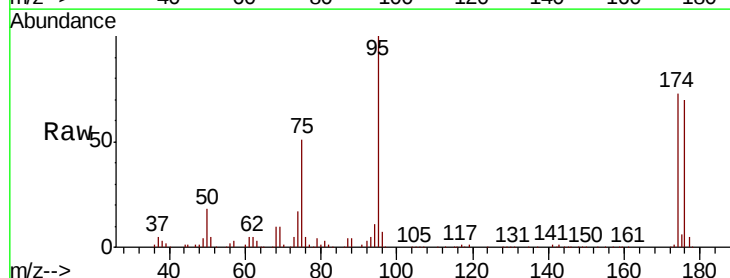
Tgt Ion: 75 Resp: 53123

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

