

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012933.D
 Acq On : 09 Oct 2019 11:29
 Operator : JC/SP
 Sample : K5238-05 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:35:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	310356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102906	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	118177	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
35) Dibromofluoromethane	5.49	113	92539	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	8.71	98	363385	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	11.14	95	123364	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

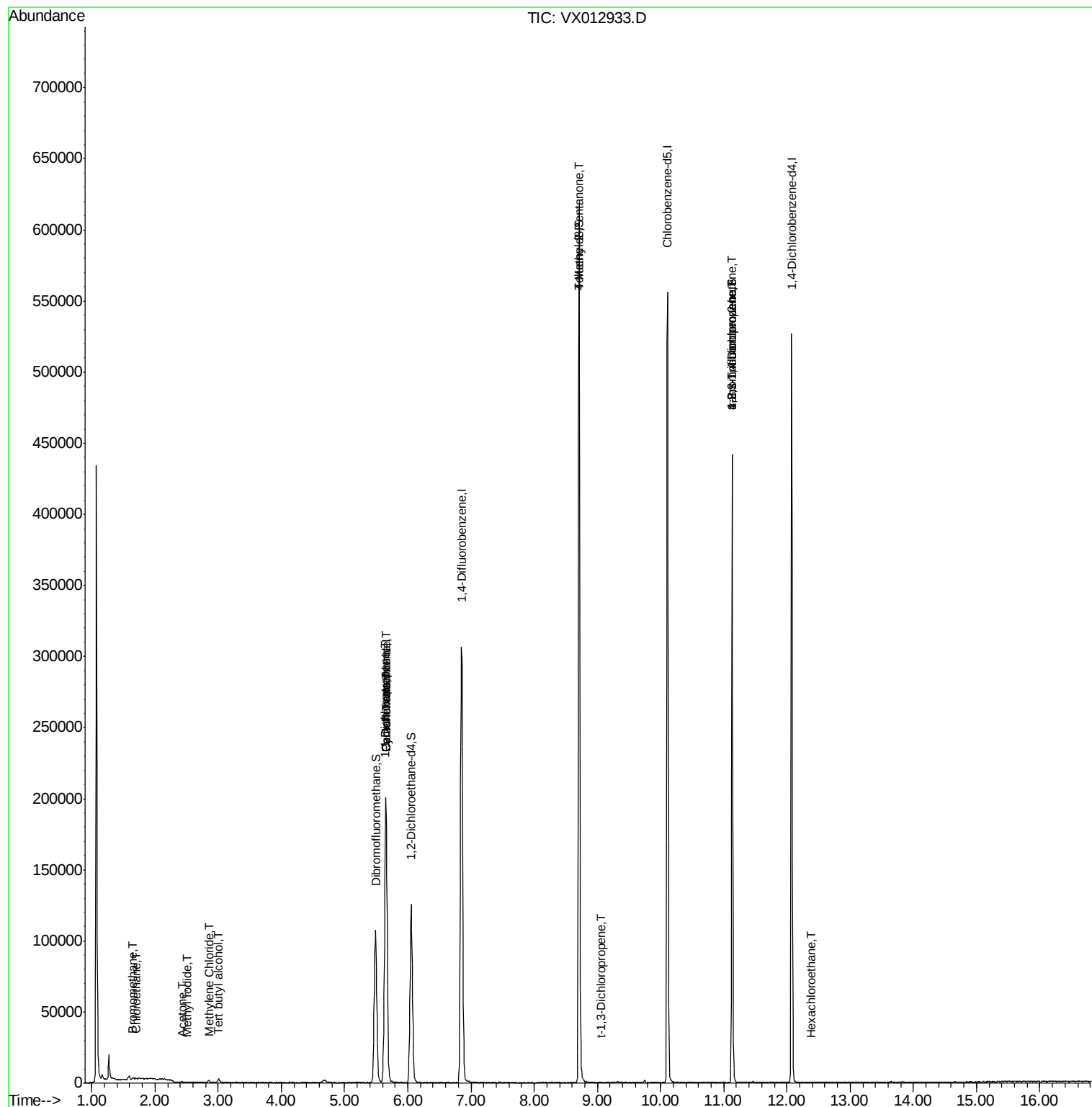
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	429	0.482	ug/l #	74
6) Chloroethane	1.70	64	234	0.545	ug/l #	43
10) Methyl Iodide	2.51	142	415	5.258	ug/l #	71
11) Tert butyl alcohol	3.01	59	1666	2.691	ug/l #	72
16) Acetone	2.43	43	457	0.371	ug/l #	80
20) Methylene Chloride	2.86	84	589	0.260	ug/l #	77
31) Cyclohexane	5.65	56	4028	1.189	ug/l #	18
36) 1,1-Dichloropropene	5.64	75	14825	5.433	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19846	7.472	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1559	0.511	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	19	2.174	ug/l #	42
76) 1,2,3-Trichloropropane	11.14	75	61477	26.935	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	61477	67.689	ug/l #	10
90) Hexachloroethane	12.37	117	21	2.134	ug/l #	13

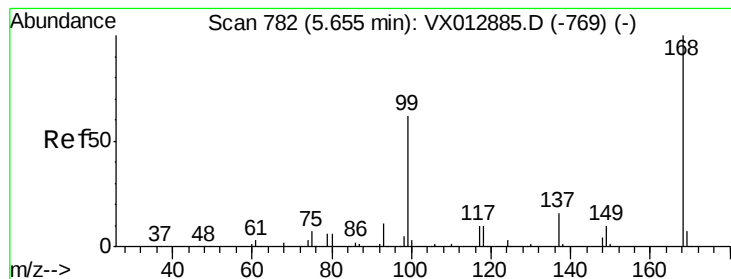
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

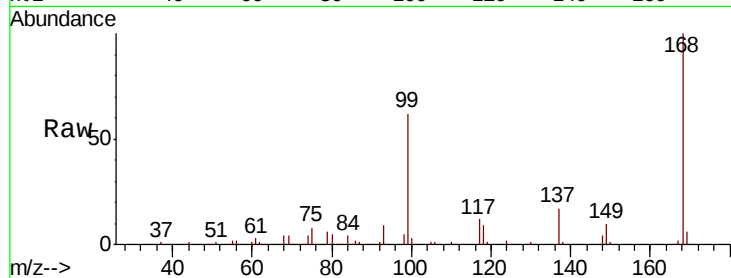
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 186826

Ion Ratio Lower Upper

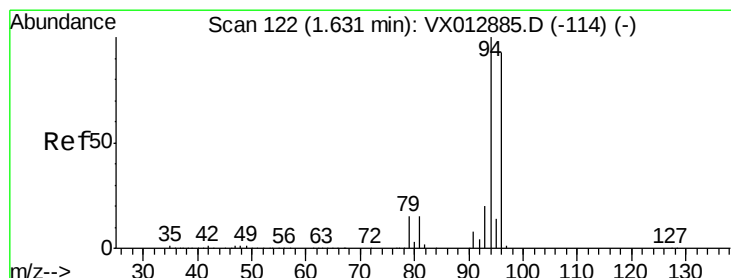
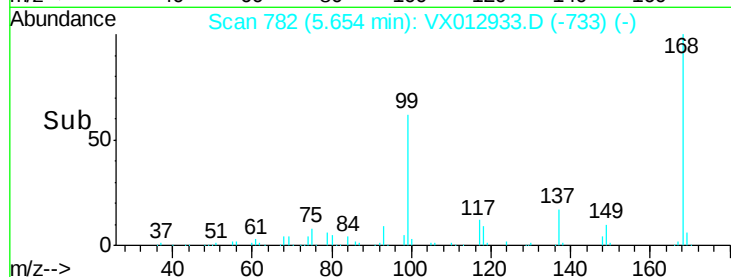
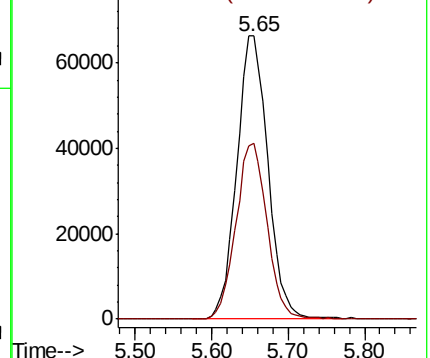
168 100

99 62.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.482 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012933.D

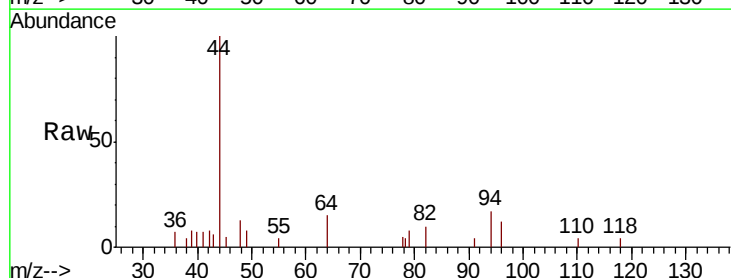
Acq: 09 Oct 2019 11:29

Tgt Ion: 94 Resp: 429

Ion Ratio Lower Upper

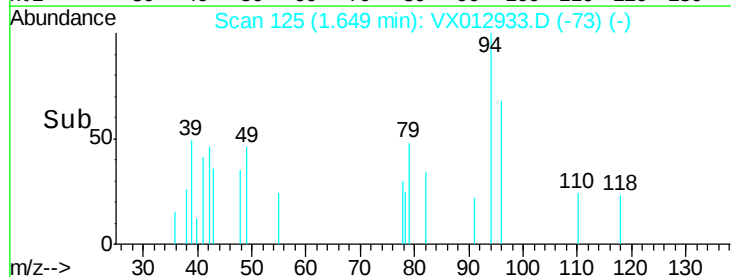
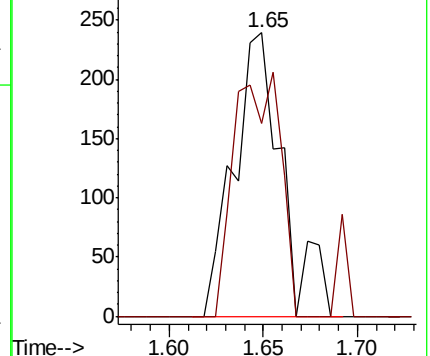
94 100

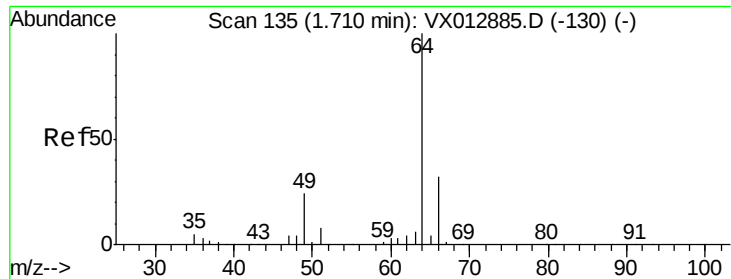
96 68.2 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.545 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

Instrument :

MSVOA_X

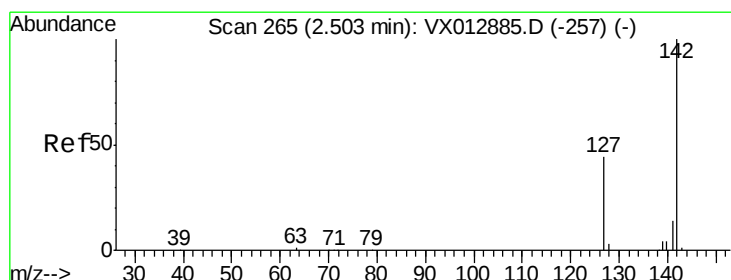
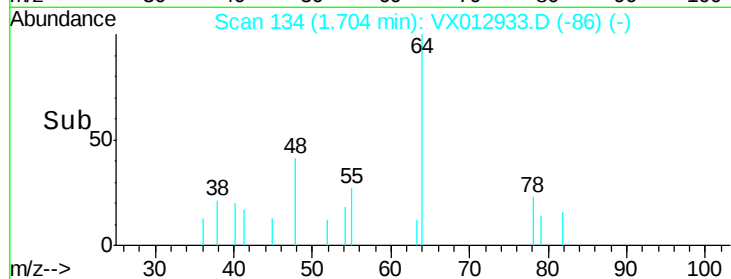
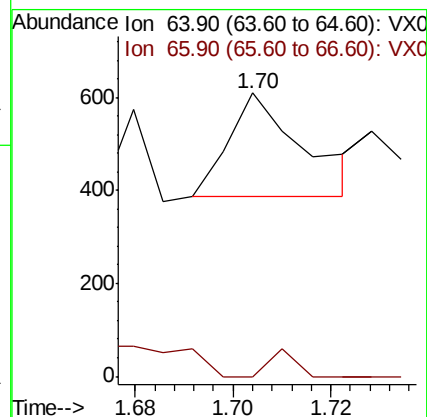
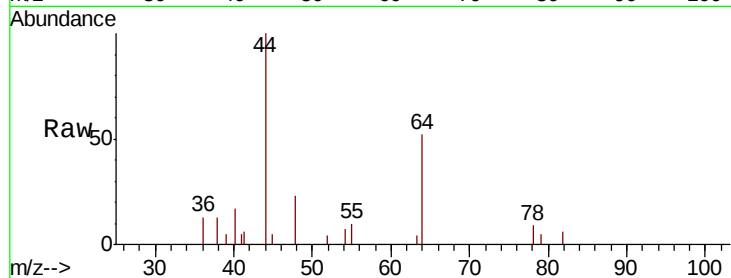
ClientSampleId :

Tot Ion: 64 Resp: 234

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.258 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

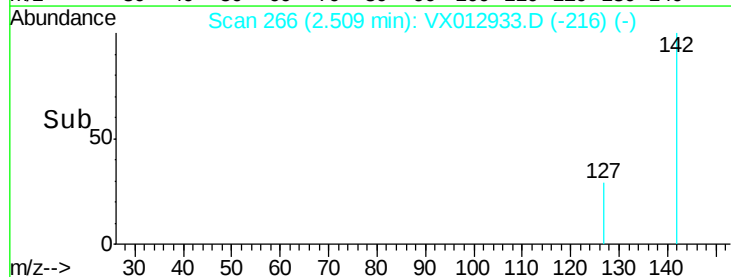
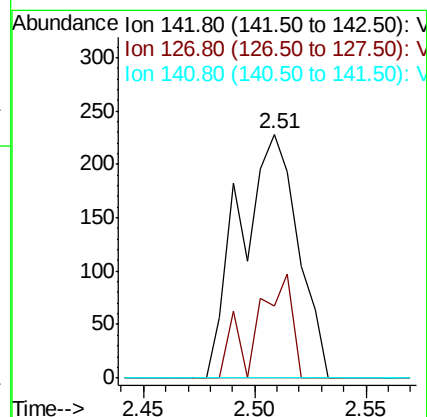
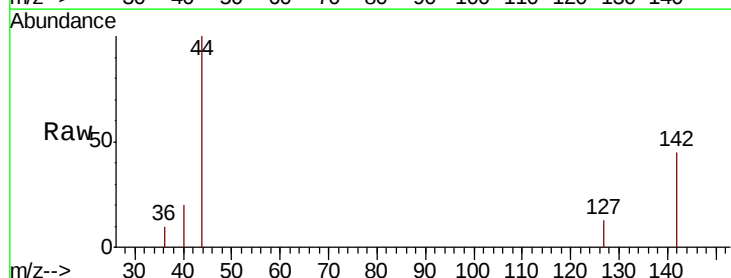
Tgt Ion: 142 Resp: 415

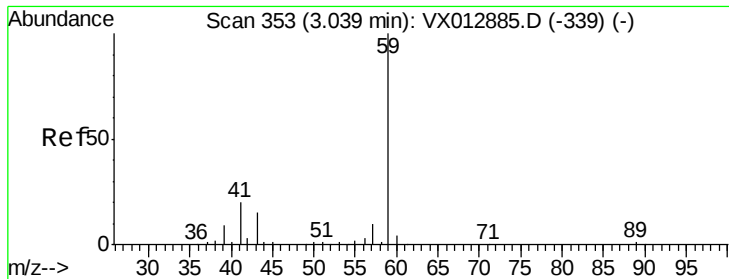
Ion Ratio Lower Upper

142 100

127 26.5 34.9 52.3#

141 0.0 11.6 17.4#

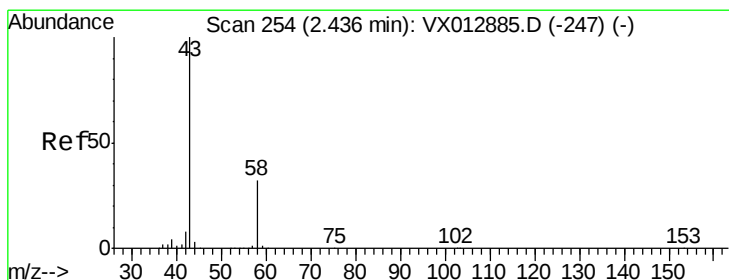
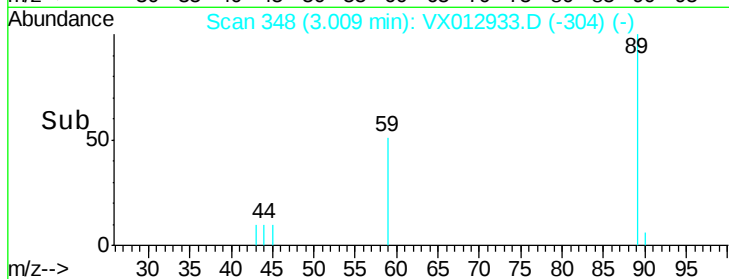
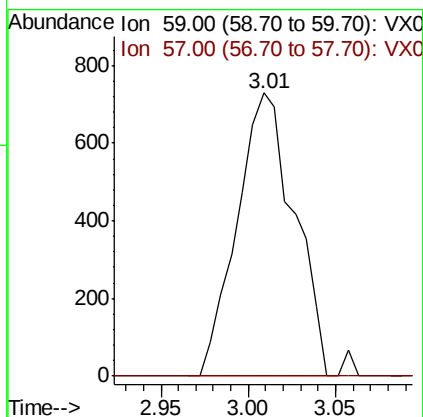
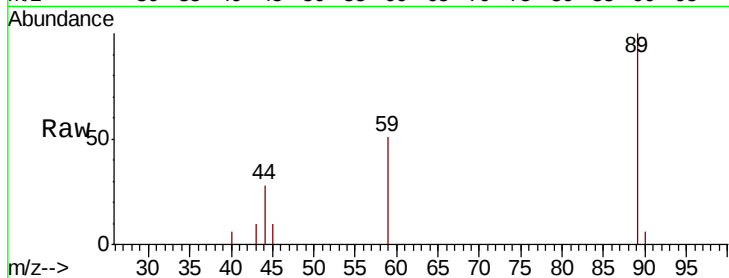




#11
Tert butyl alcohol
Concen: 2.691 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

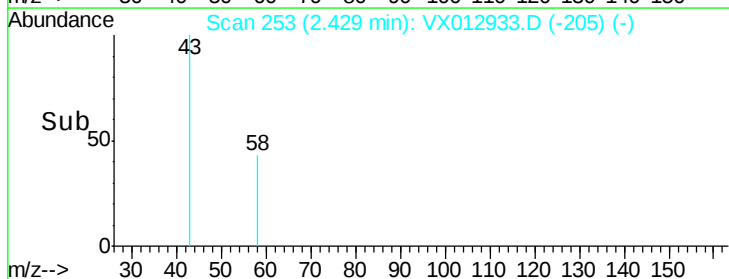
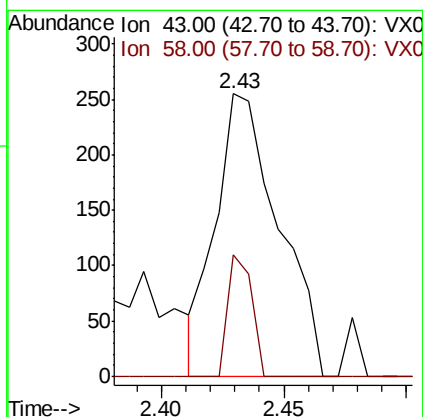
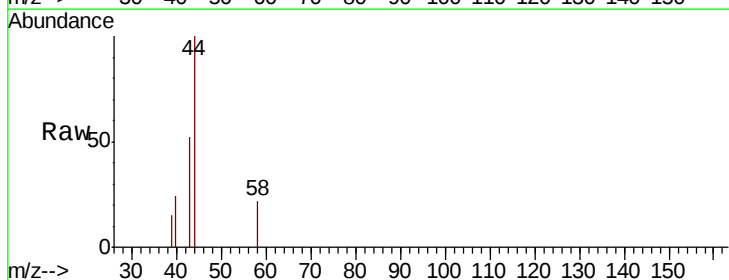
Instrument :
MSVOA_X
ClientSampleId :

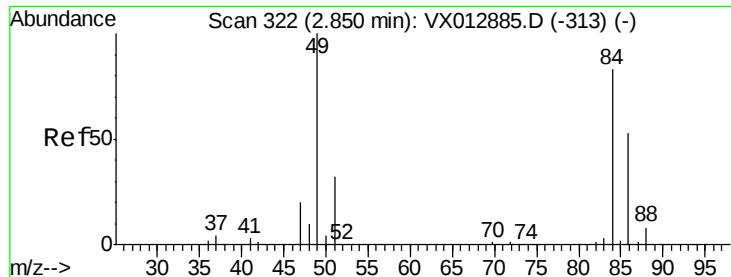
Tot Ion: 59 Resp: 1666
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.371 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

Tgt Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
58 43.1 25.4 38.2#

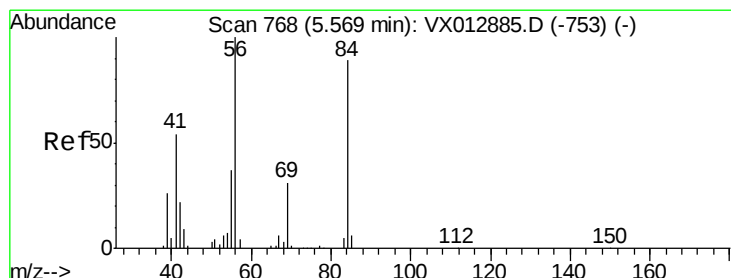
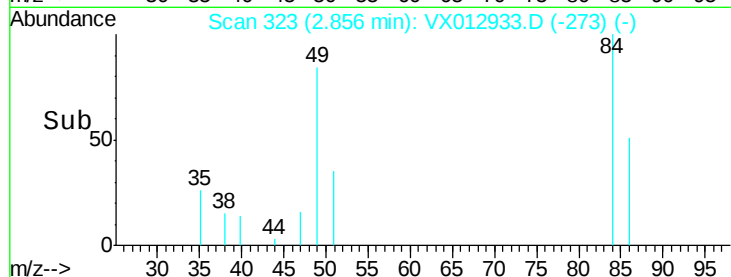
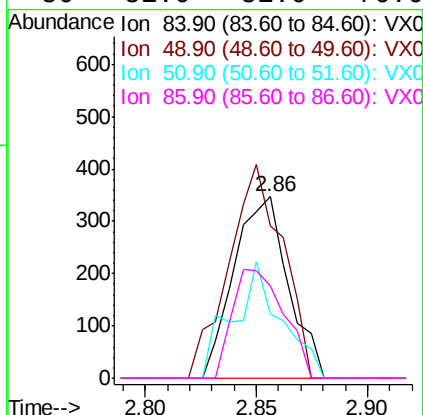
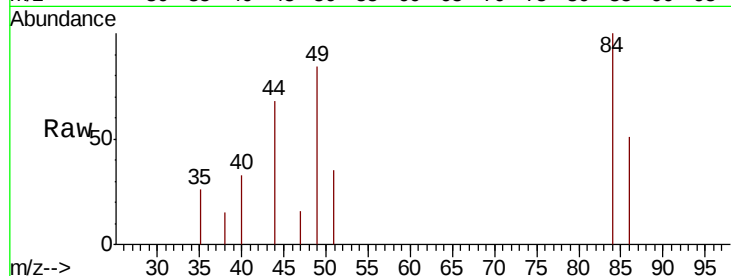




#20
Methvlene Chloride
Concen: 0.260 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

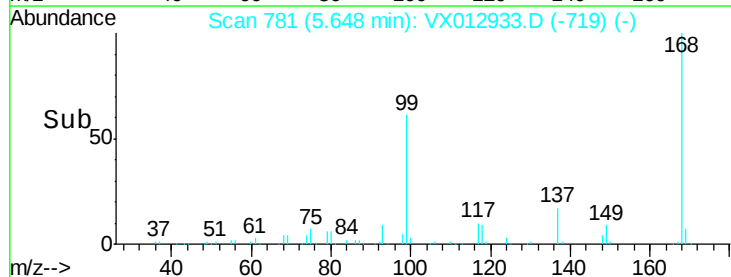
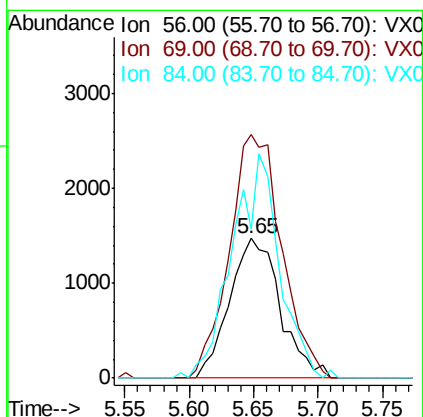
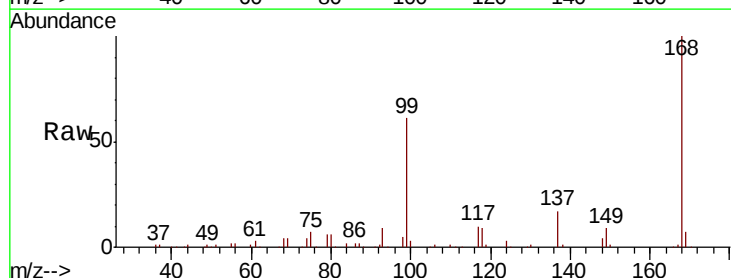
Instrument :
MSVOA_X
ClientSampleId :

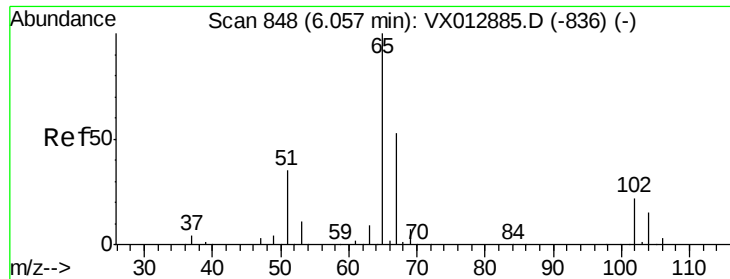
Tot Ion: 84 Resp: 589
Ion Ratio Lower Upper
84 100
49 83.9 96.6 144.8#
51 35.2 30.7 46.1
86 51.0 51.0 76.6#



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

Tgt Ion: 56 Resp: 4028
Ion Ratio Lower Upper
56 100
69 174.7 25.2 37.8#
84 107.3 71.3 106.9#





#33

1,2-Dichloroethane-d4

Concen: 50.609 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

Instrument :

MSVOA_X

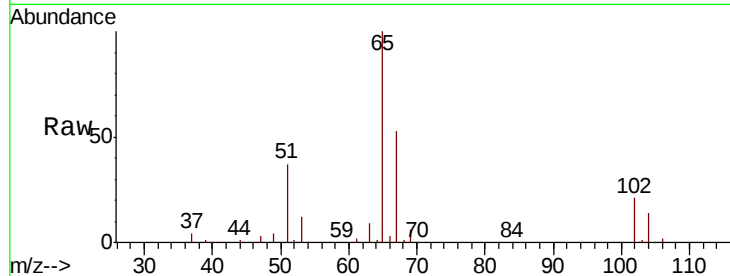
ClientSampled :

Tot Ion: 65 Resp: 118177

Ion Ratio Lower Upper

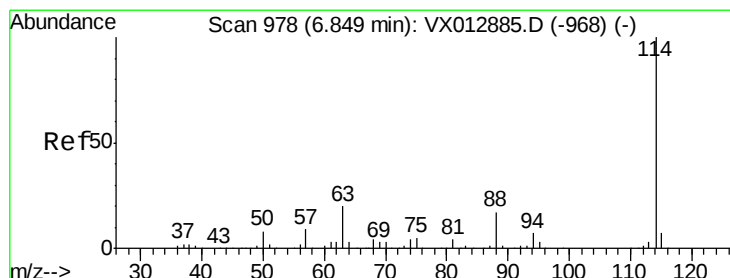
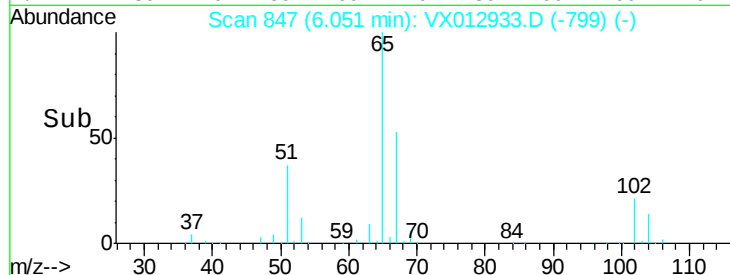
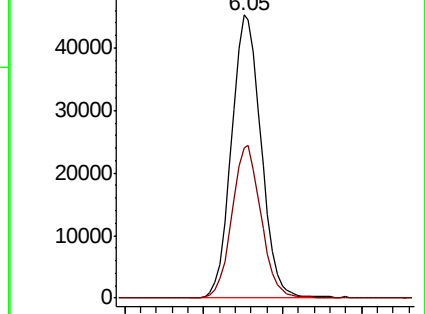
65 100

67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

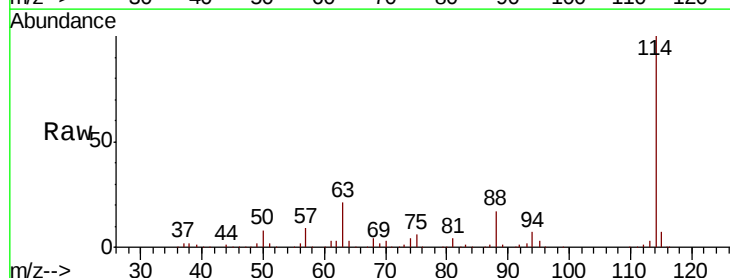
Tgt Ion: 114 Resp: 310356

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

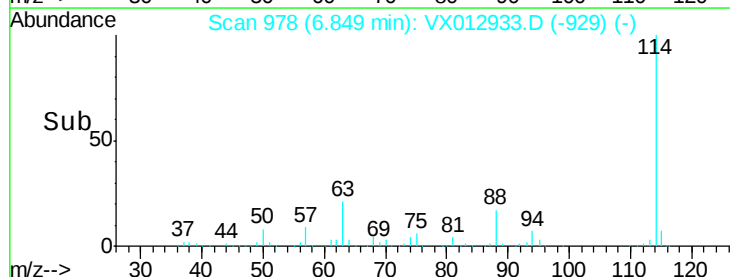
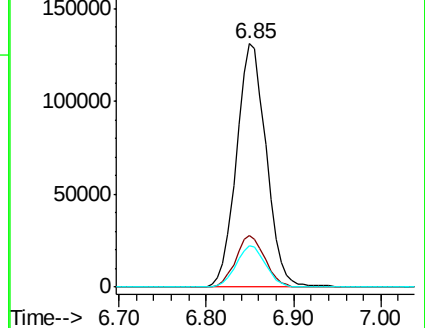
88 16.9 0.0 33.8

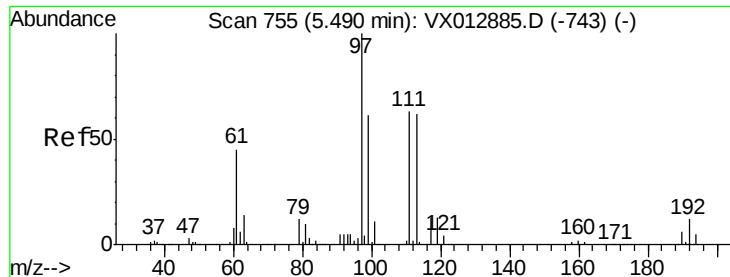


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

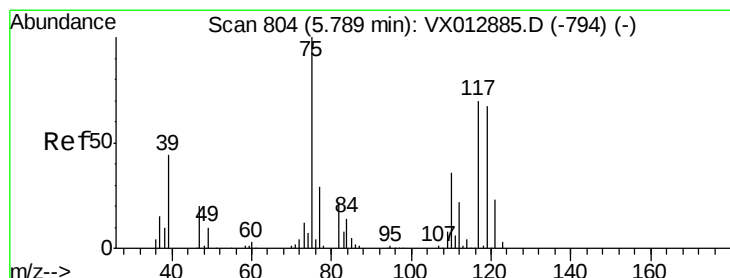
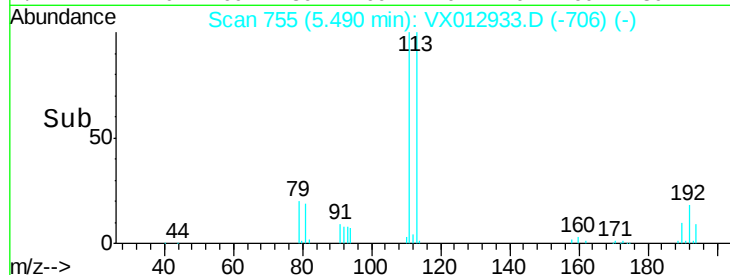
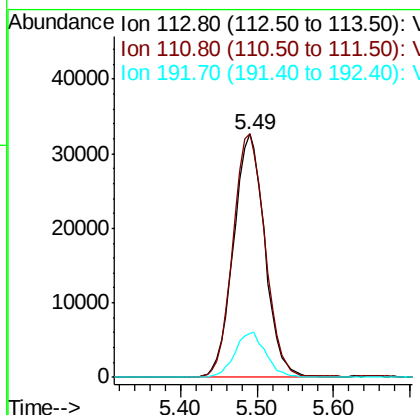
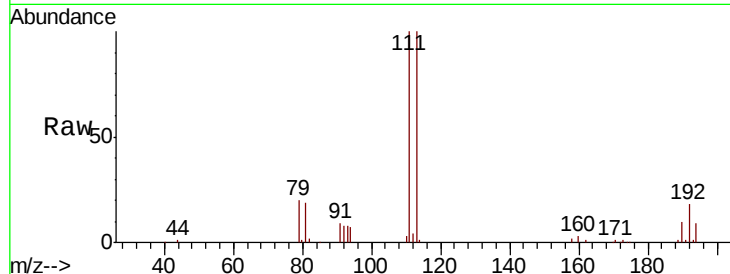




#35
Dibromofluoromethane
Concen: 51.951 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

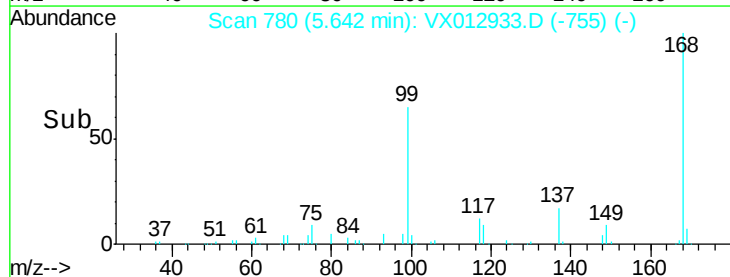
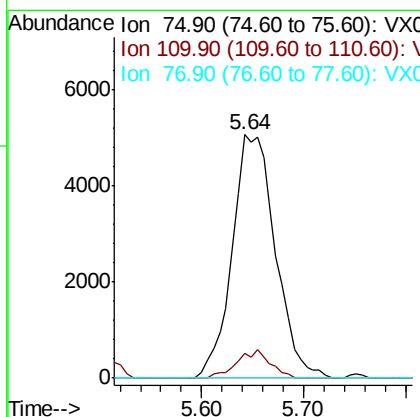
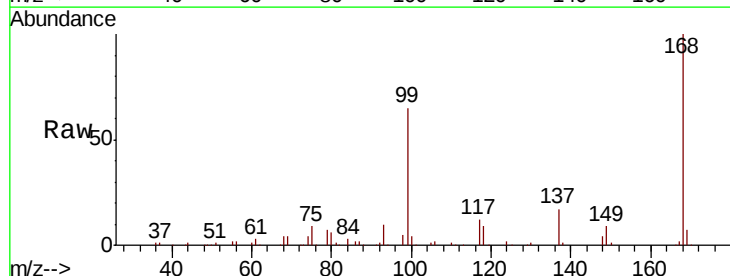
Instrument :
MSVOA_X
ClientSampleId :

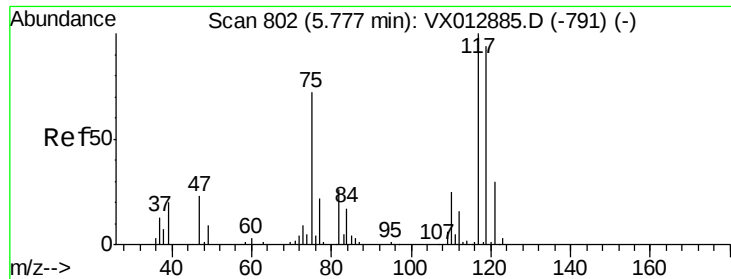
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.2	124.8
192	18.4	15.4	23.2



#36
1,1-Dichloropropene
Concen: 5.433 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.15 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.6	52.9#
77	0.0	24.4	36.6#

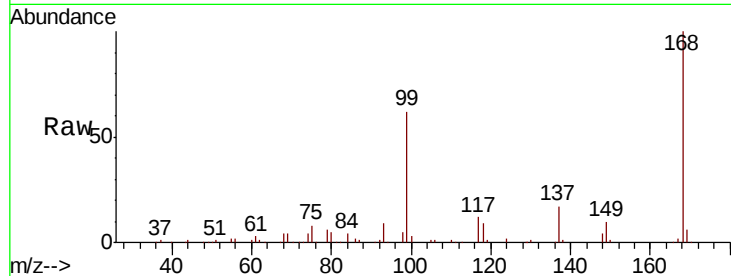




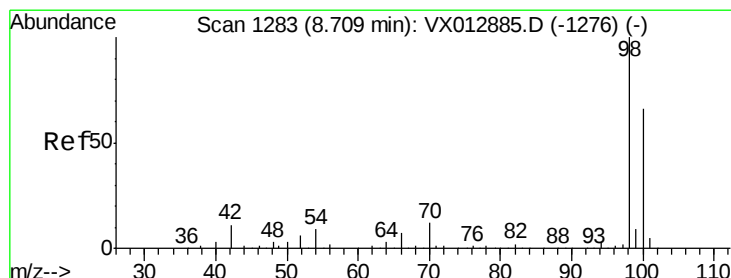
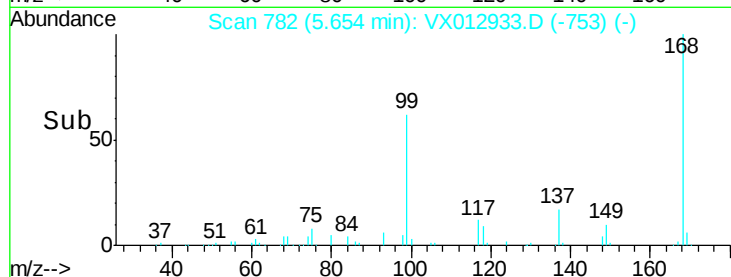
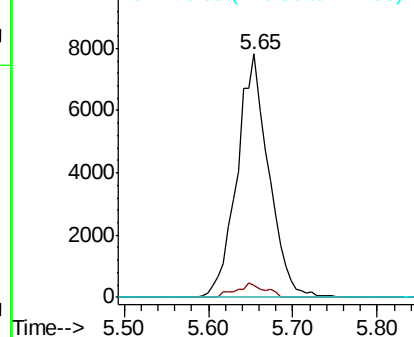
#38
Carbon Tetrachloride
Concen: 7.472 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 19846
Ion Ratio Lower Upper
117 100
119 4.8 74.5 111.7#
121 0.0 24.2 36.4#

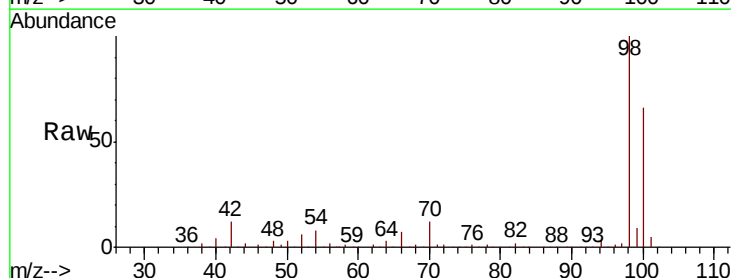


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

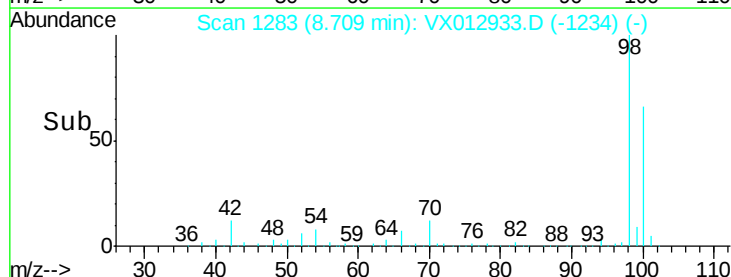
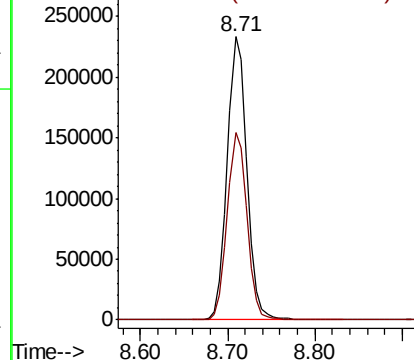


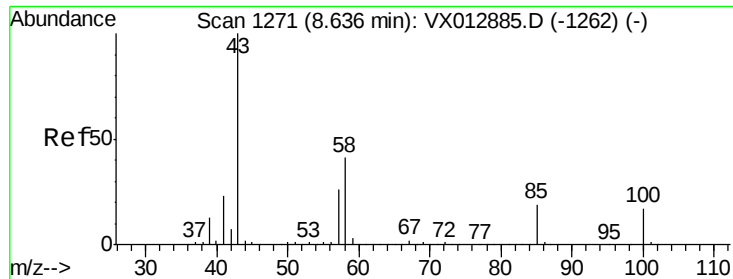
#50
Toluene-d8
Concen: 52.305 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

Tgt Ion: 98 Resp: 363385
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2



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

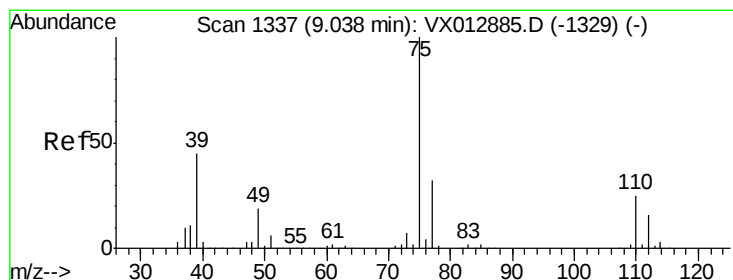
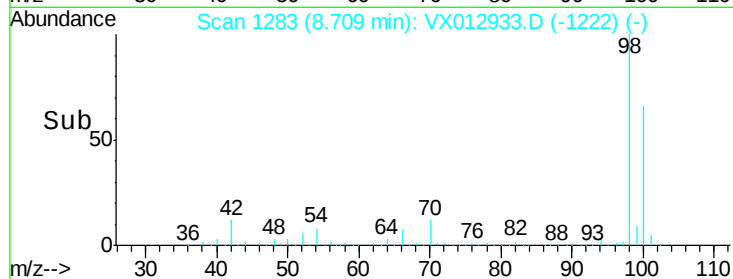
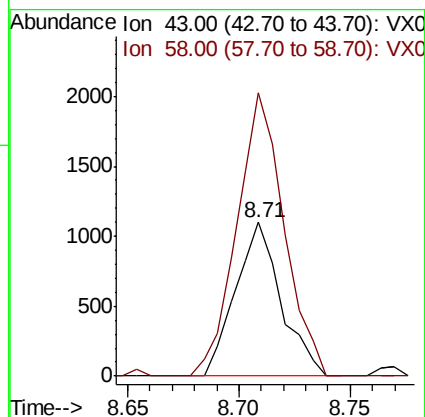
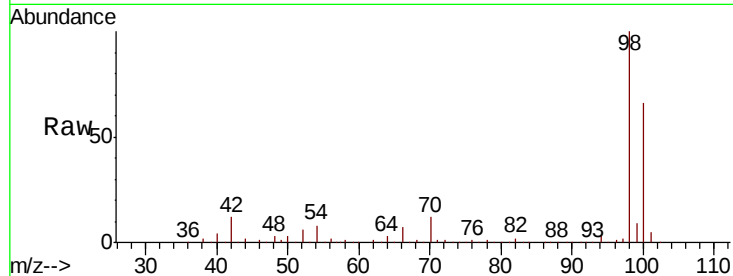




#51
4-Methyl-2-Pentanone
Concen: 0.511 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

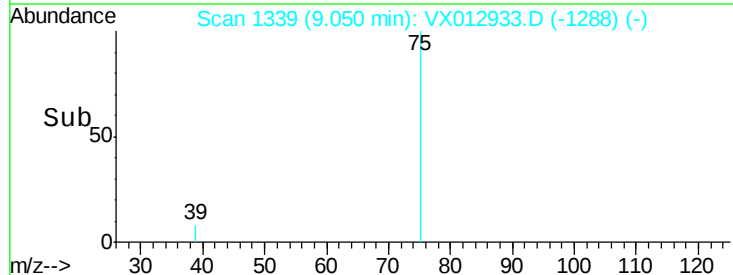
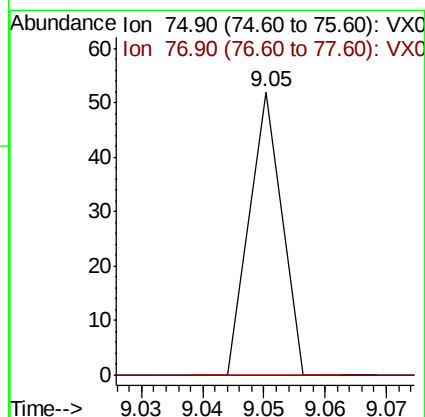
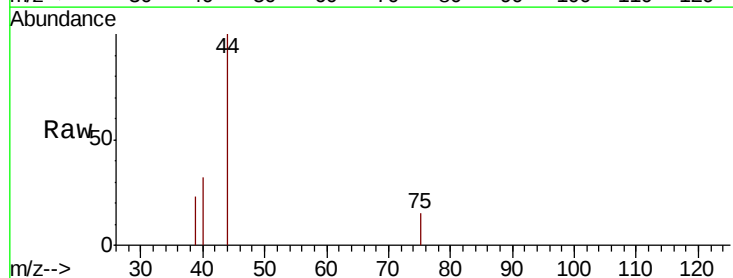
Instrument :
MSVOA_X
ClientSampled :

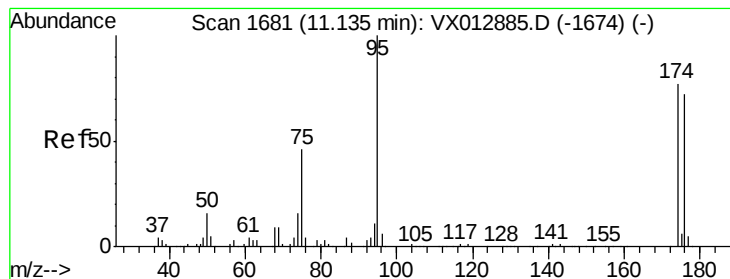
Tot Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 191.3 32.4 48.6#



#53
t-1,3-Dichloropropene
Concen: 2.174 ug/l
RT: 9.05 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VX012933.D
Acq: 09 Oct 2019 11:29

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#





#62

4-Bromofluorobenzene

Concen: 45.699 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

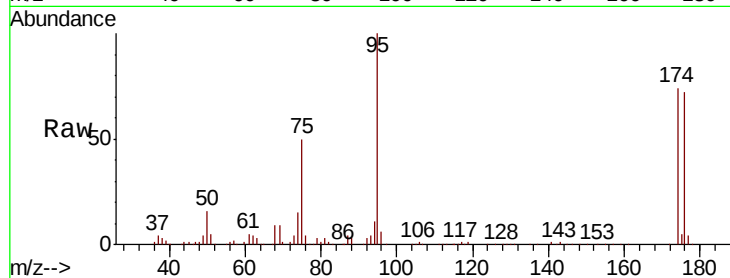
Tot Ion: 95 Resp: 123364

Ion Ratio Lower Upper

95 100

174 70.9 0.0 143.4

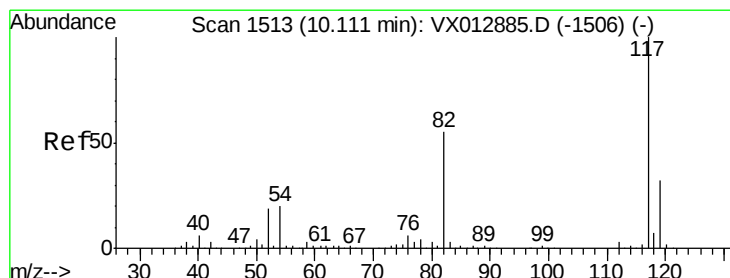
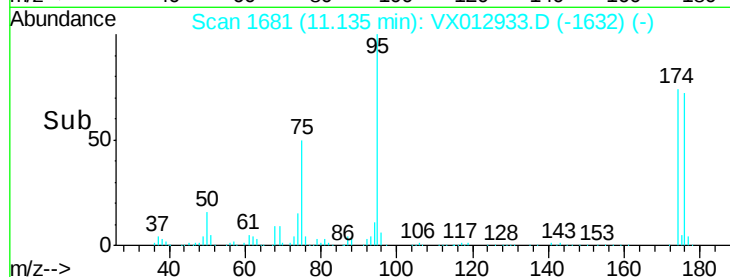
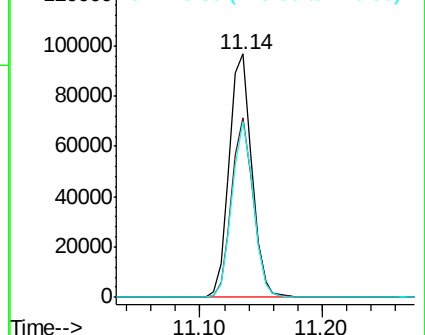
176 68.8 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

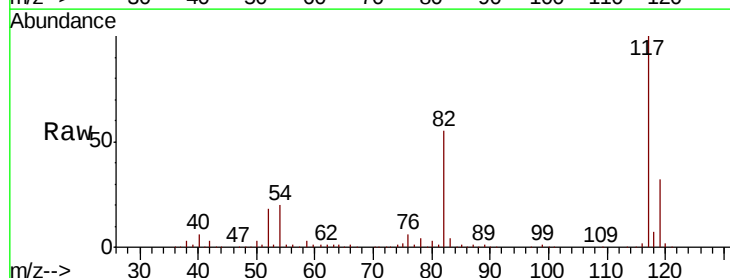
Tgt Ion: 117 Resp: 264067

Ion Ratio Lower Upper

117 100

82 55.1 44.1 66.1

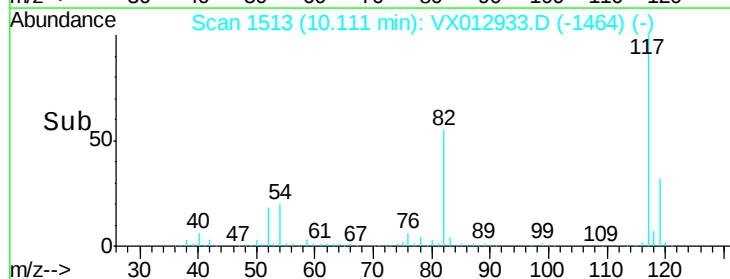
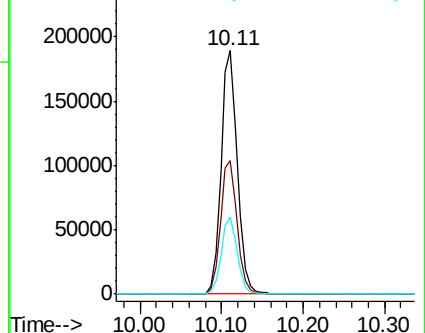
119 32.0 25.8 38.8

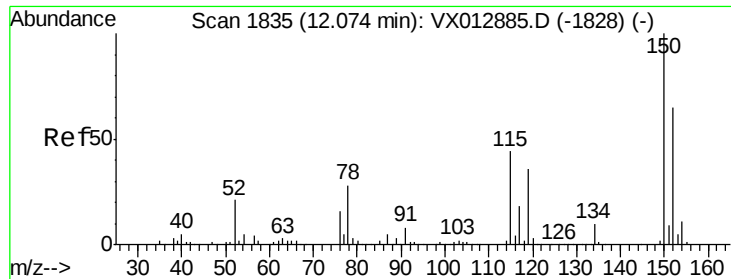


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

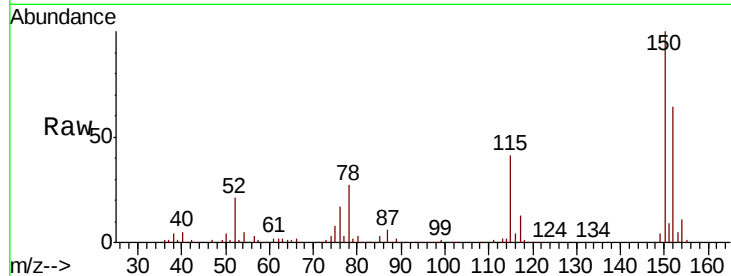
Tot Ion:152 Resp: 102906

Ion Ratio Lower Upper

152 100

115 62.6 44.5 133.5

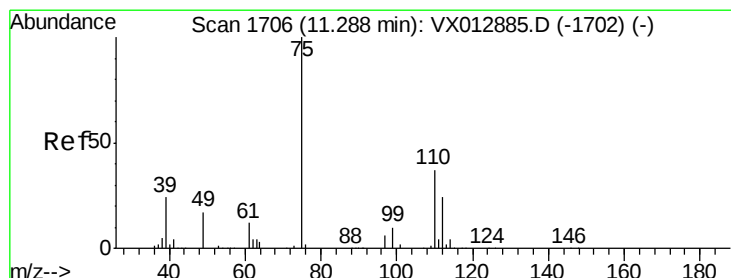
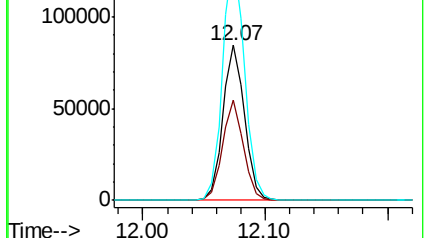
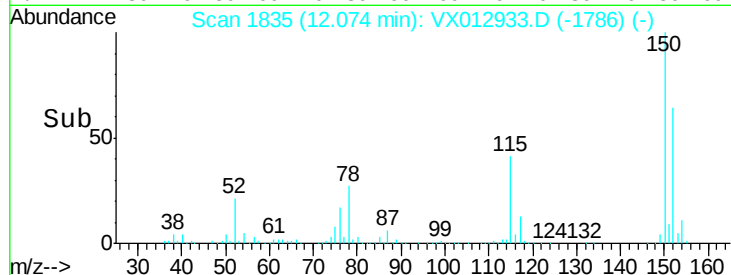
150 156.5 0.0 353.4



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: 26.935 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012933.D

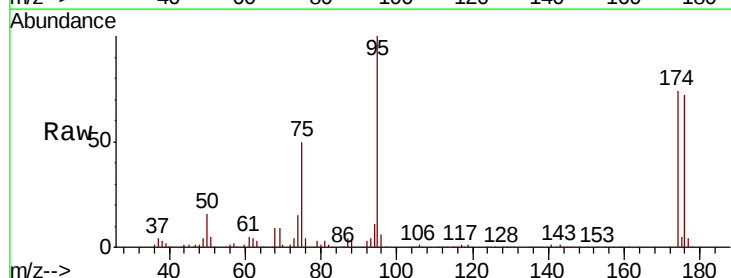
Acq: 09 Oct 2019 11:29

Tgt Ion: 75 Resp: 61477

Ion Ratio Lower Upper

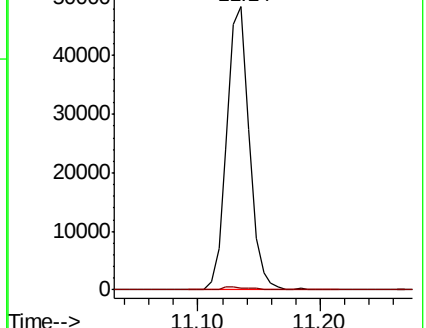
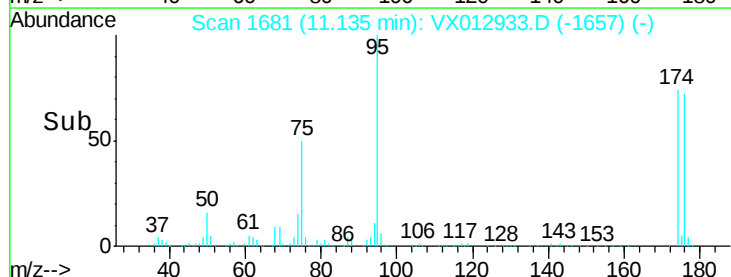
75 100

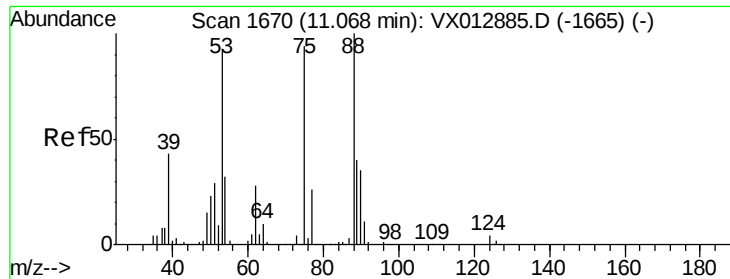
77 1.3 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.689 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012933.D

Acq: 09 Oct 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

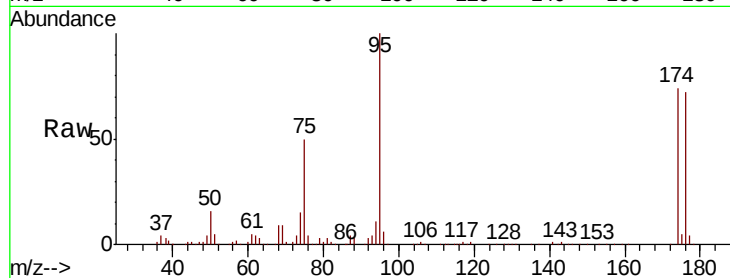
Tot Ion: 75 Resp: 61477

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

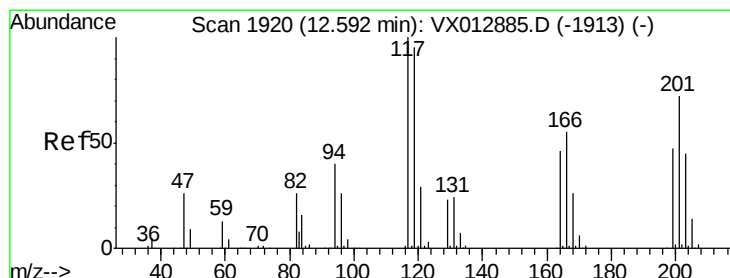
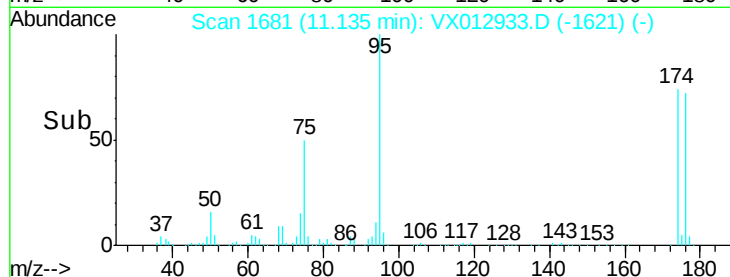
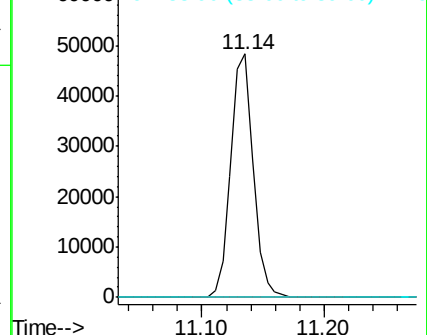
89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 2.134 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. -0.22 min

Lab File: VX012933.D

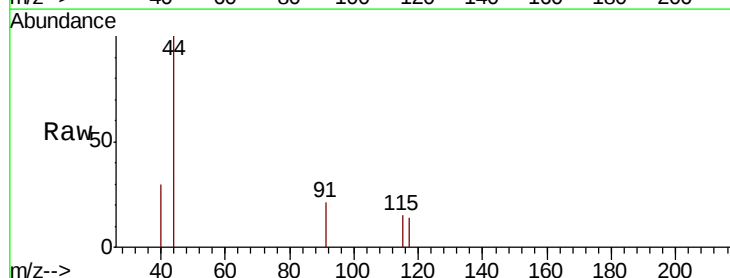
Acq: 09 Oct 2019 11:29

Tgt Ion: 117 Resp: 21

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

