

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060782.D
 Acq On : 31 Mar 2020 13:49
 Operator : JC/MD
 Sample : PB127897TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	335521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141637	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	130254	47.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.74%	
35) Dibromofluoromethane	7.56	113	98936	48.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.54%	
50) Toluene-d8	10.08	98	413837	49.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	154892	51.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.00%	

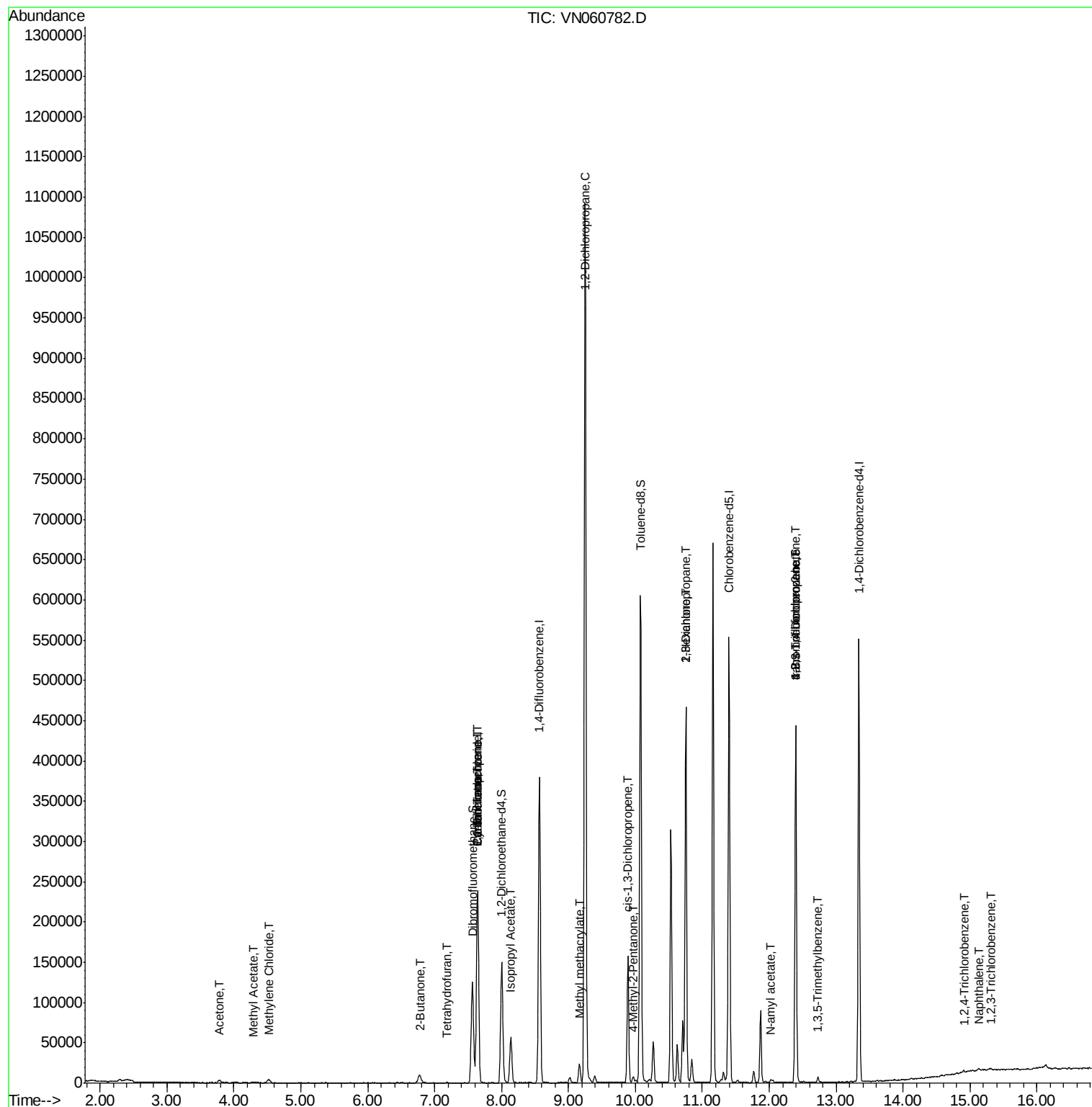
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6264	6.499	ug/l	93
18) Methyl Acetate	4.29	43	2376	0.876	ug/l #	66
20) Methylene Chloride	4.52	84	2920	1.231	ug/l	90
25) 2-Butanone	6.79	43	556	0.356	ug/l #	50
29) Tetrahydrofuran	7.18	42	248	0.225	ug/l #	35
31) Cyclohexane	7.64	56	4250	0.970	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15575	4.794	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19516	6.702	ug/l #	16
43) Isopropyl Acetate	8.14	43	67407	11.643	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1184	0.458	ug/l #	43
48) Methyl methacrylate	9.16	41	3504	1.359	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5427	1.647	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	27770	6.778	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4653	1.177	ug/l #	42
59) 2-Hexanone	10.75	43	68446	28.842	ug/l #	51
74) N-amyl acetate	12.02	43	3233	0.658	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77692	25.421	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4227	0.469	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	77692	65.288	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	644	0.243	ug/l #	80
95) Naphthalene	15.13	128	2314	0.290	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.31	180	736	0.282	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033120\
Data File : VN060782.D
Acq On : 31 Mar 2020 13:49
Operator : JC/MD
Sample : PB127897TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 01 08:22:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

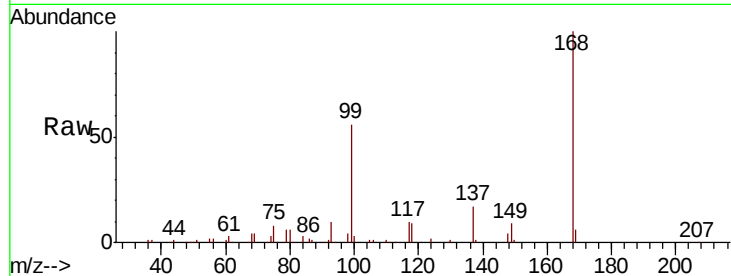
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 198225

Ion Ratio Lower Upper

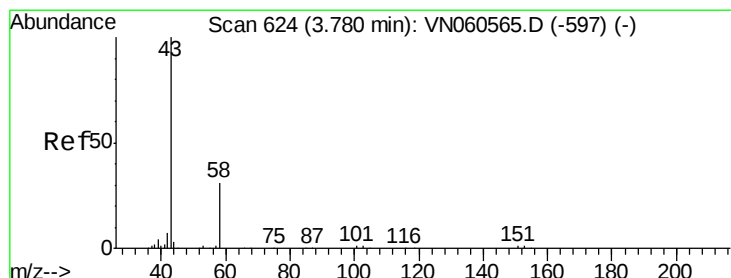
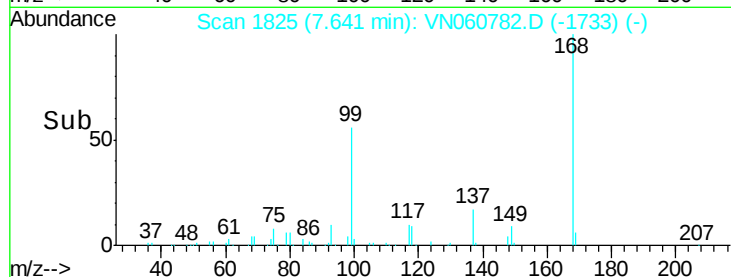
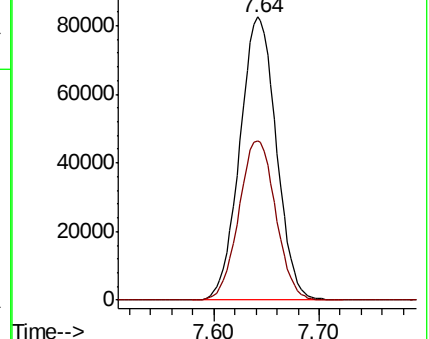
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.499 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060782.D

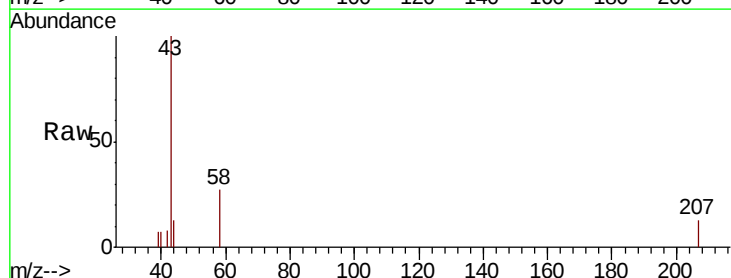
Acq: 31 Mar 2020 13:49

Tgt Ion: 43 Resp: 6264

Ion Ratio Lower Upper

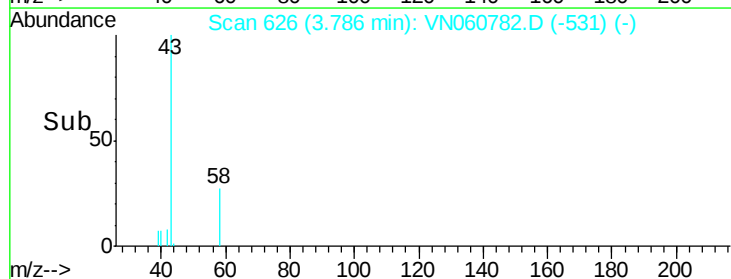
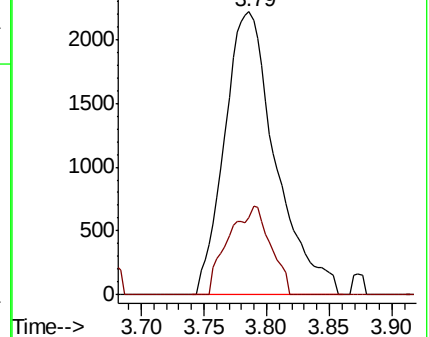
43 100

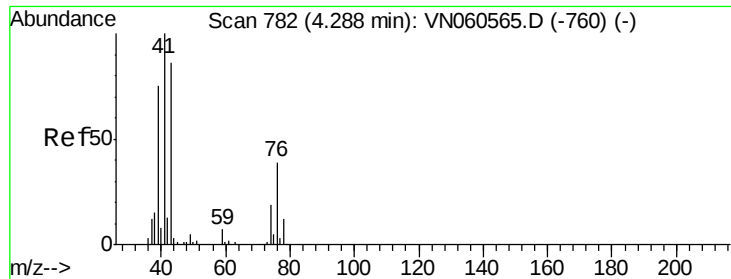
58 27.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

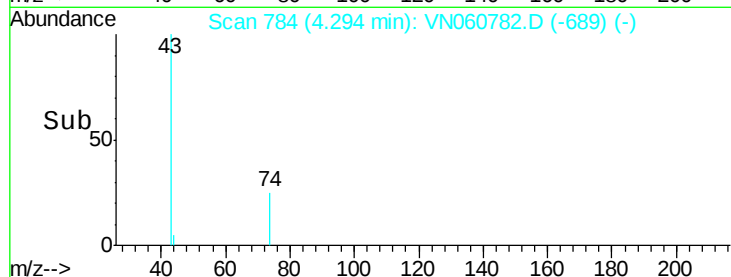
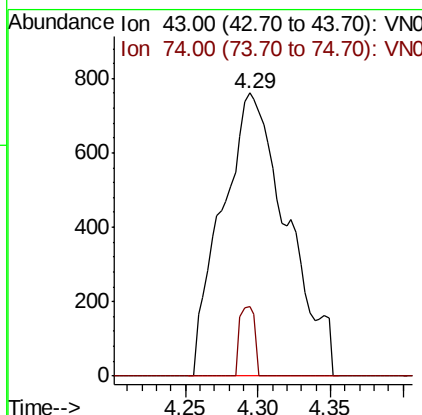
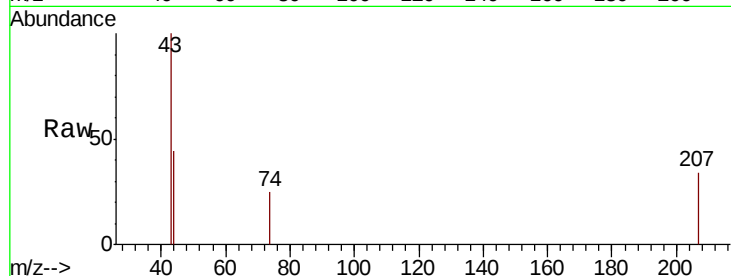




#18
Methyl Acetate
Concen: 0.876 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

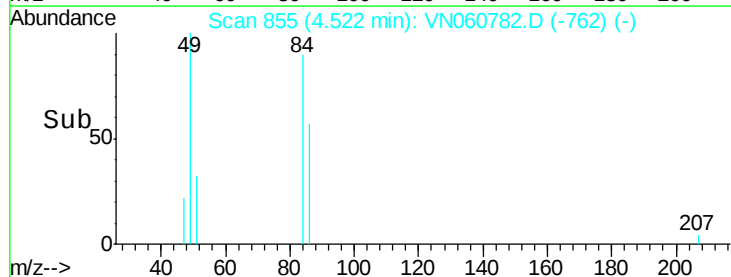
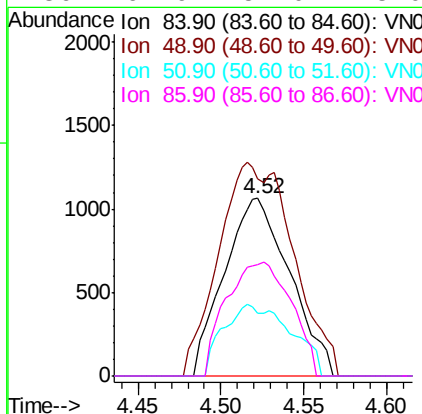
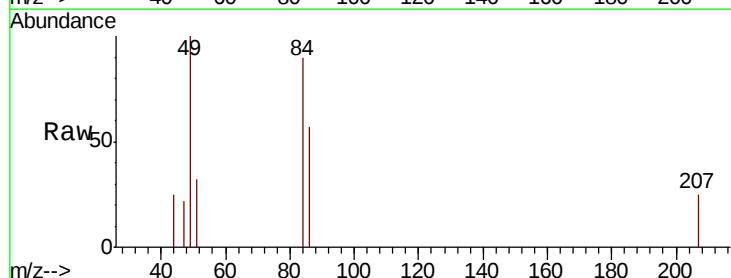
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
74 5.7 17.5 26.3#



#20
Methylene Chloride
Concen: 1.231 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

Tgt Ion: 84 Resp: 2920
Ion Ratio Lower Upper
84 100
49 111.3 103.3 154.9
51 35.7 31.6 47.4
86 62.9 52.0 78.0

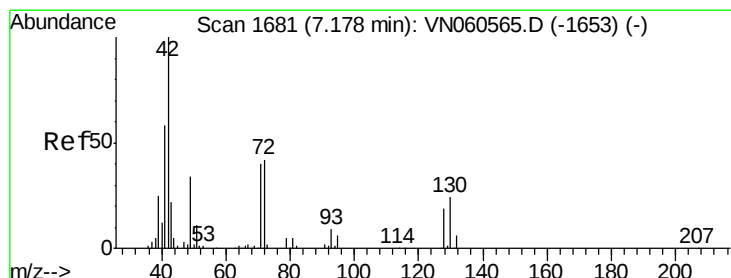
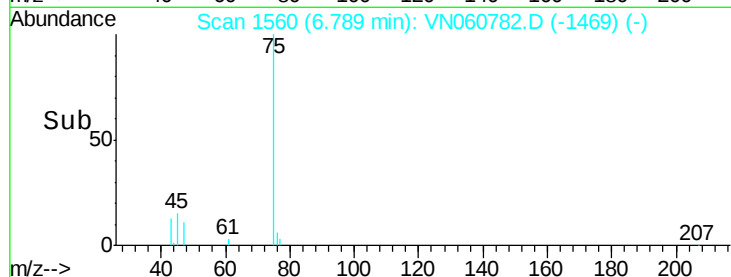
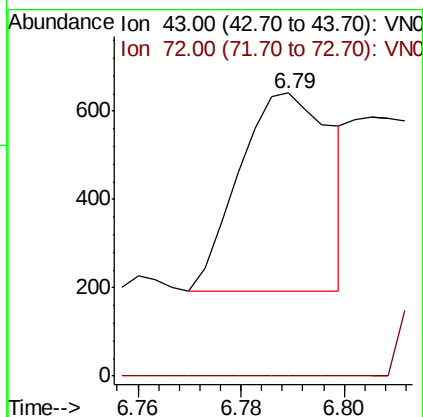
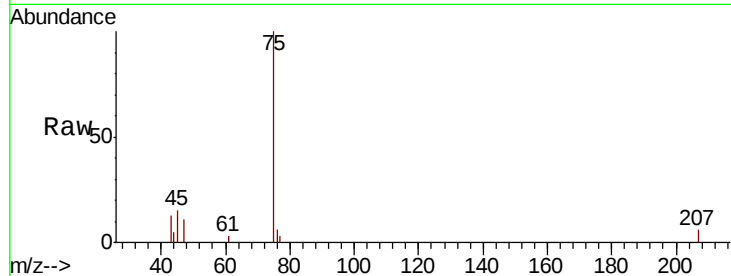




#25
2-Butanone
Concen: 0.356 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

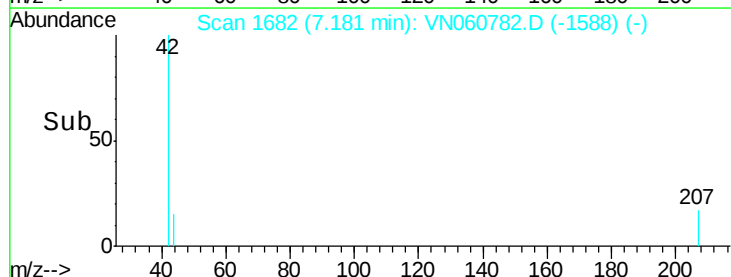
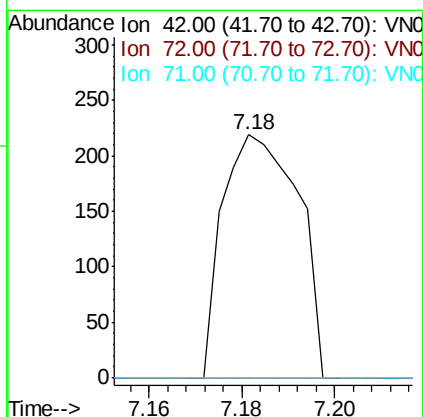
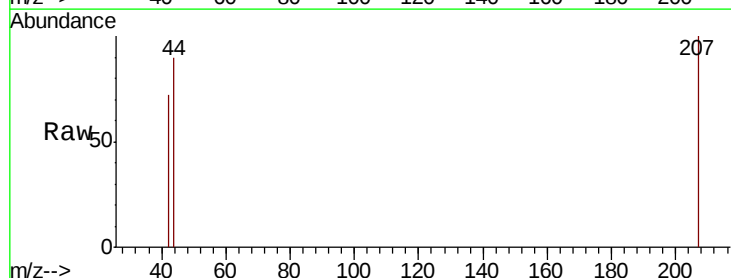
Instrument :
MSVOA_N
ClientSampled :

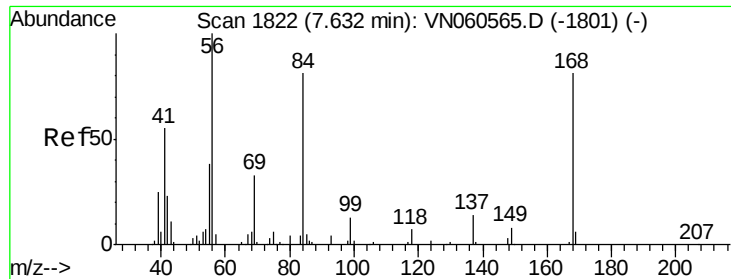
Tot Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

Tgt Ion: 42 Resp: 248
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#

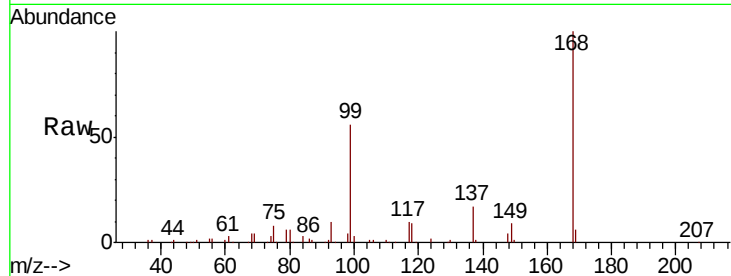




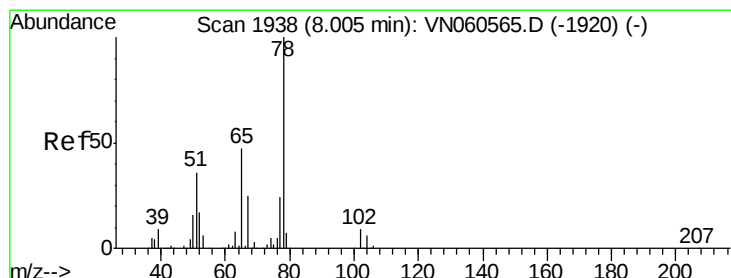
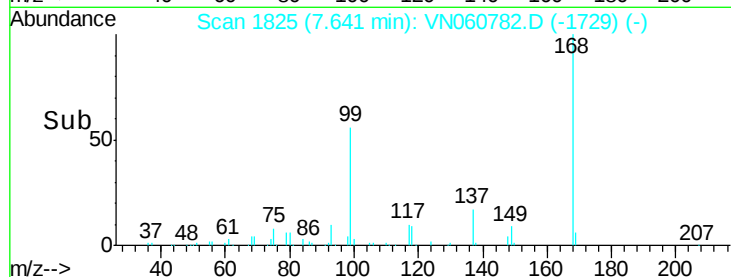
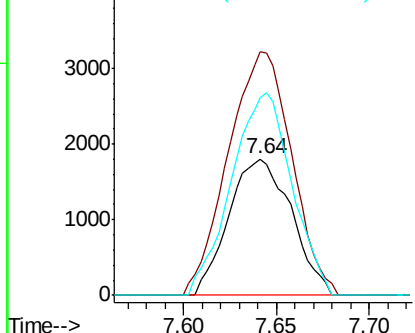
#31
Cyclohexane
Concen: 0.970 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4250
Ion Ratio Lower Upper
56 100
69 178.4 26.6 40.0#
84 144.7 64.3 96.5#

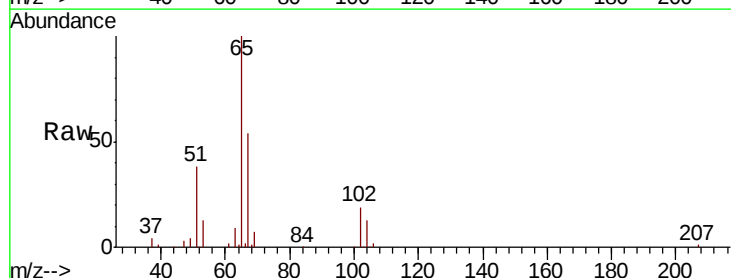


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

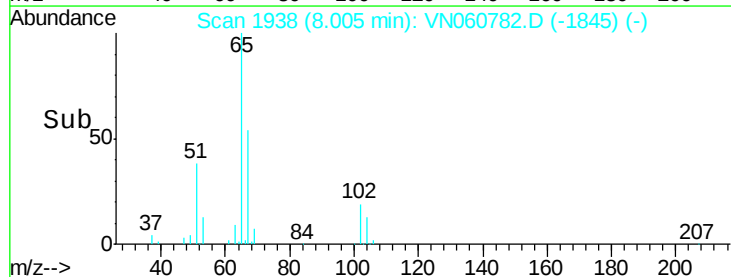
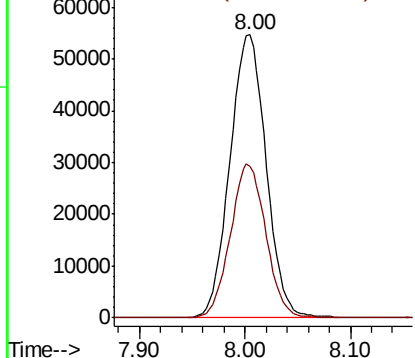


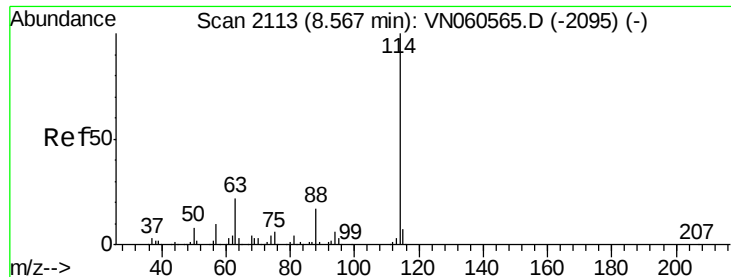
#33
1,2-Dichloroethane-d4
Concen: 47.867 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

Tgt Ion: 65 Resp: 130254
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

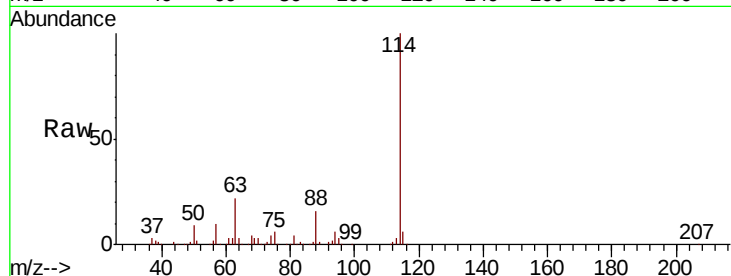




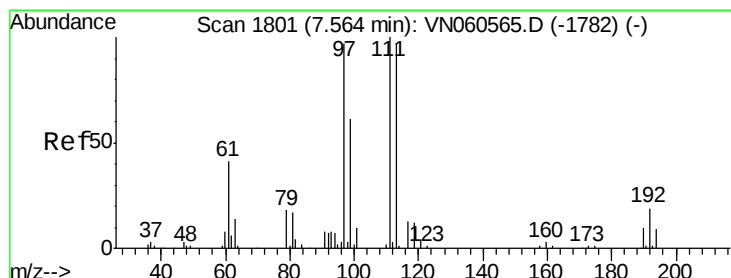
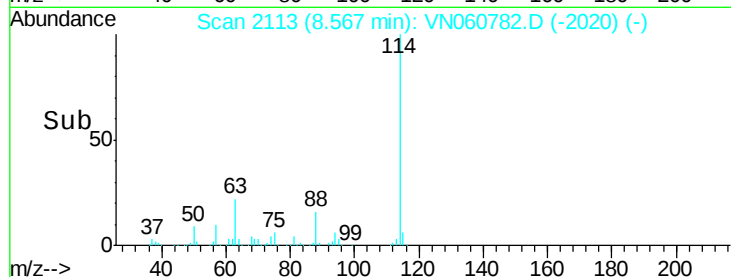
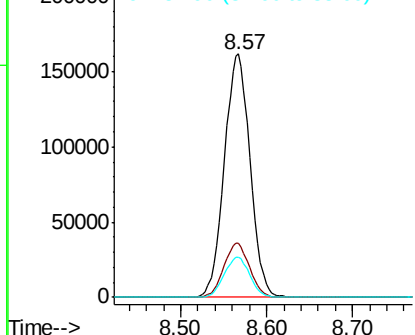
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.4	0.0	33.0

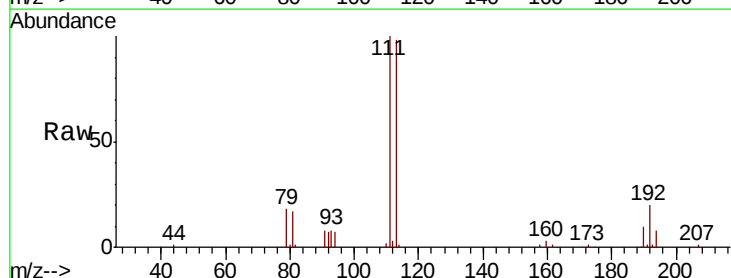


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

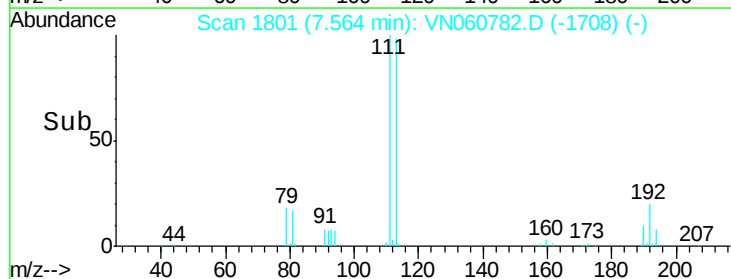
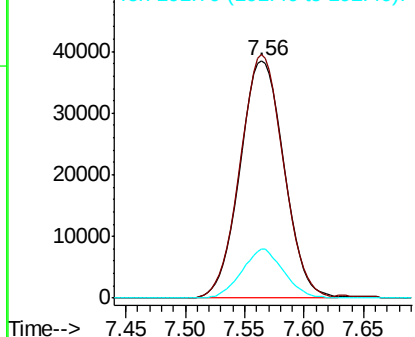


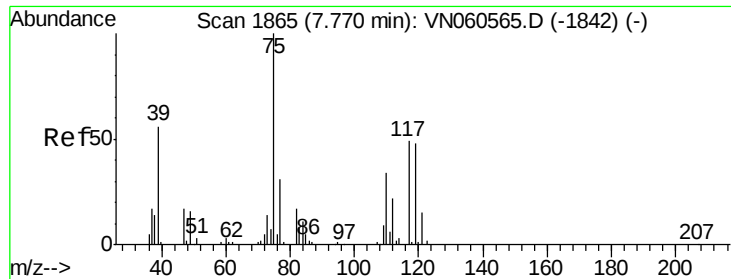
#35
 Dibromofluoromethane
 Concen: 48.766 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.9	124.3
192	19.5	15.8	23.8



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

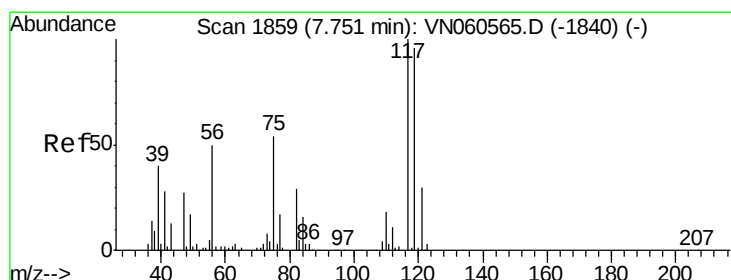
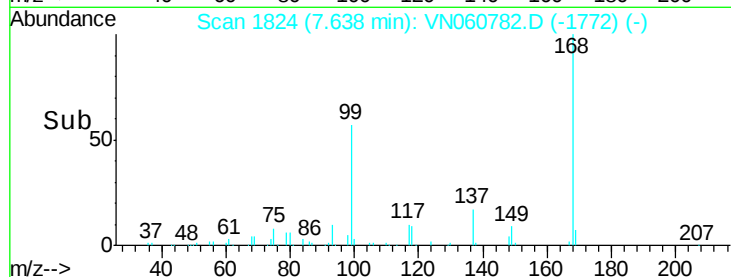
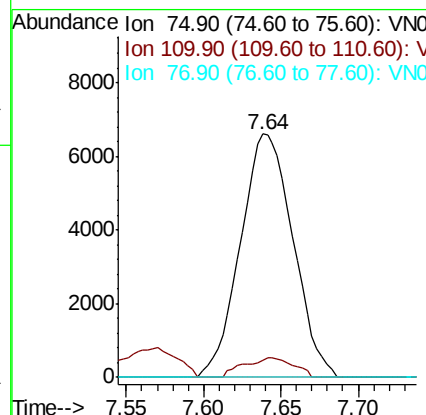
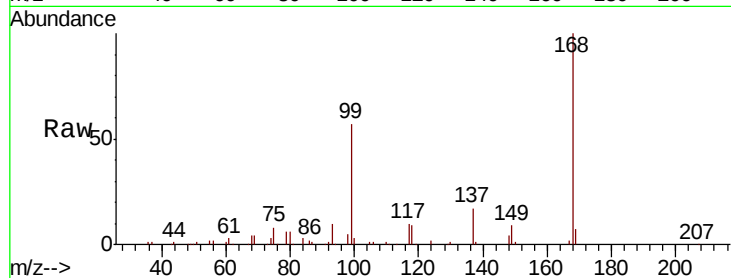




#36
 1,1-Dichloropropene
 Concen: 4.794 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

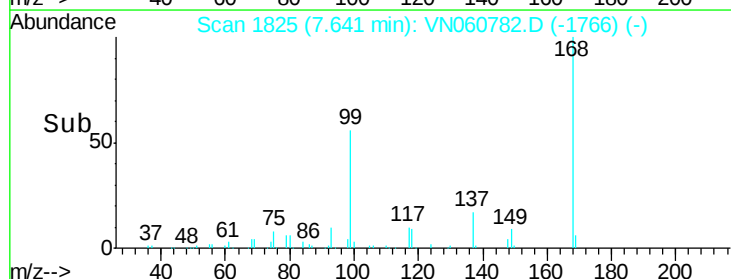
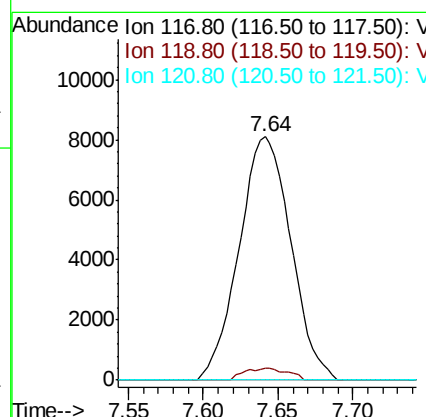
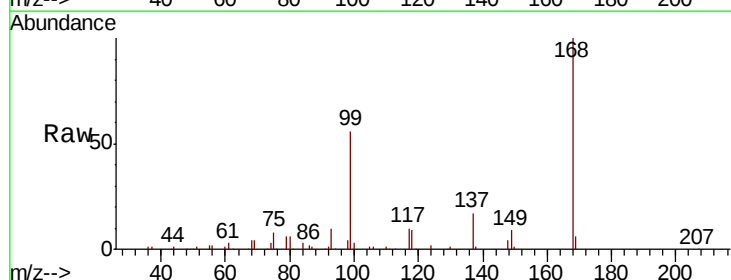
Instrument :
 MSVOA_N
 ClientSampled :

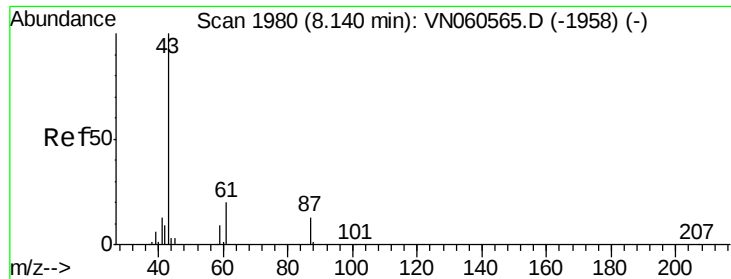
Tot Ion	75	Resp	15575
Ion Ratio	100	Lower	Upper
75	100		
110	7.6	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.702 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

Tgt Ion	117	Resp	19516
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 11.643 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

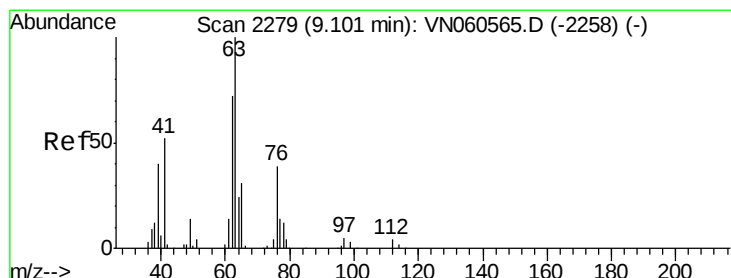
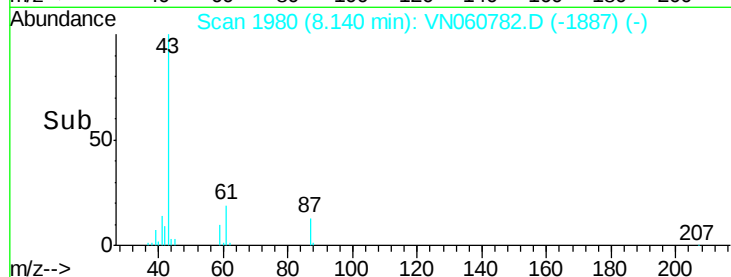
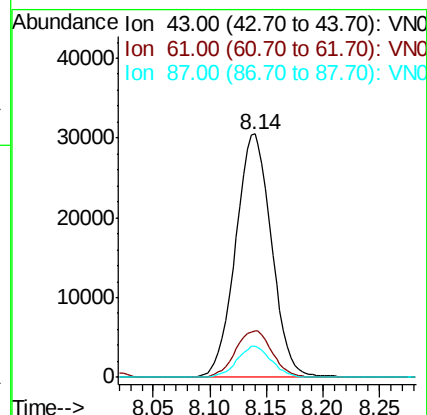
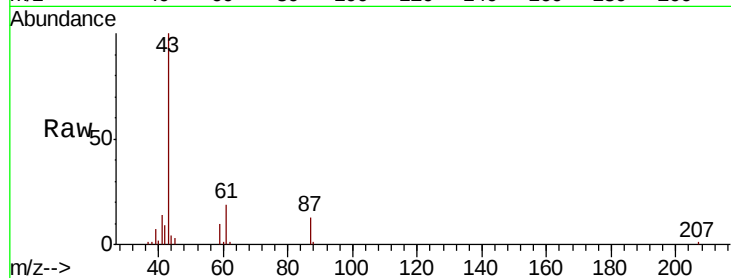
Tot Ion: 43 Resp: 67407

Ion Ratio Lower Upper

43 100

61 19.6 20.7 31.1#

87 12.0 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.458 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060782.D

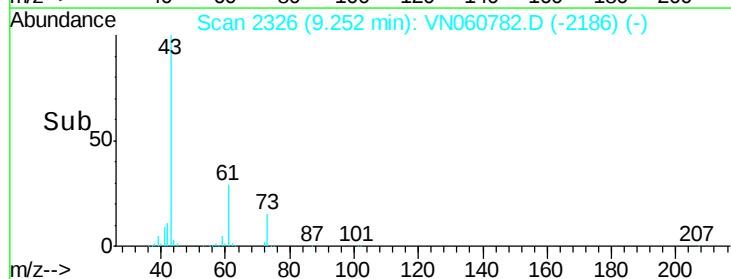
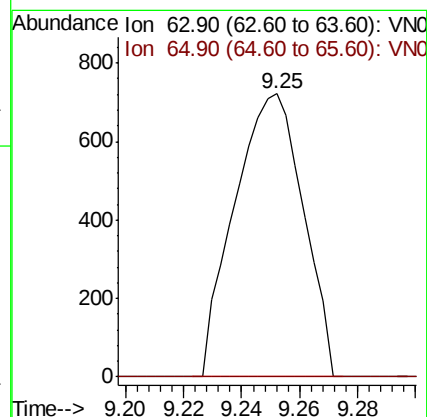
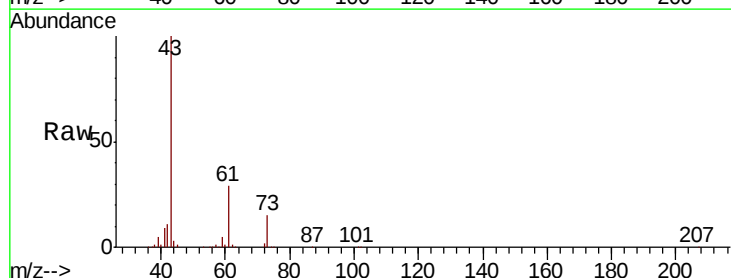
Acq: 31 Mar 2020 13:49

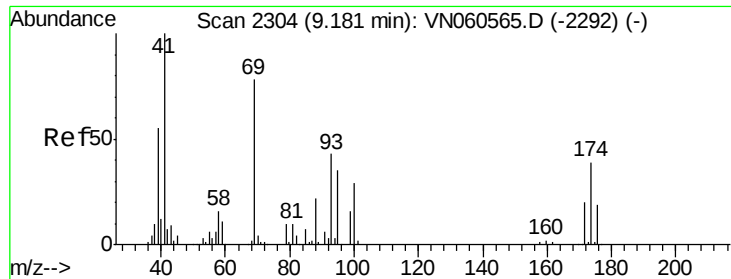
Tgt Ion: 63 Resp: 1184

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

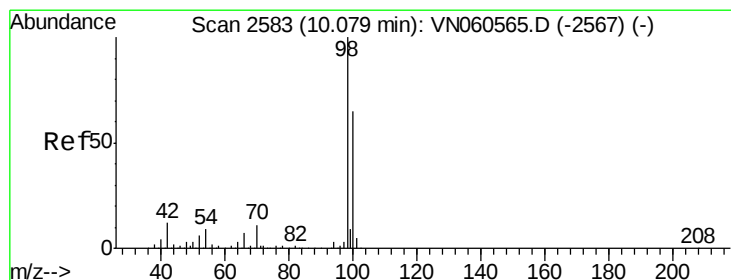
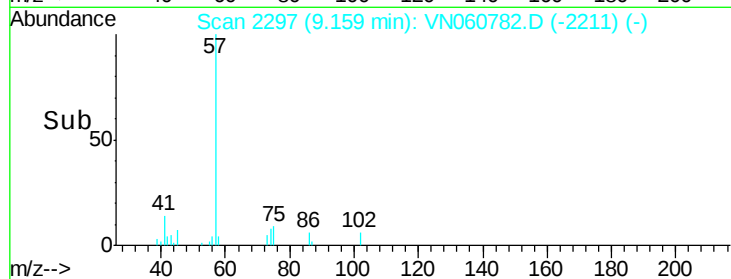
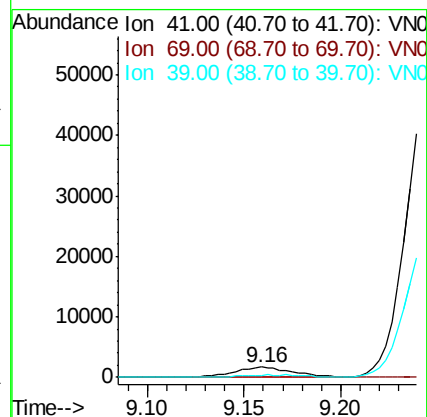
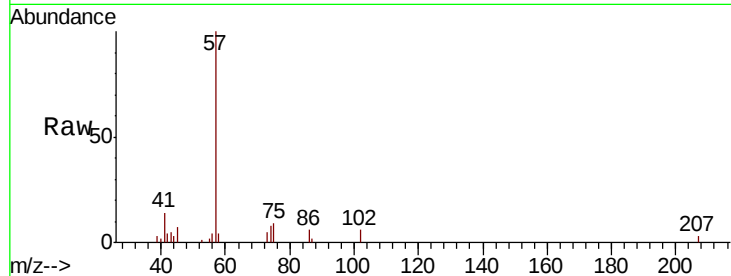




#48
Methvl methacrylate
Concen: 1.359 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

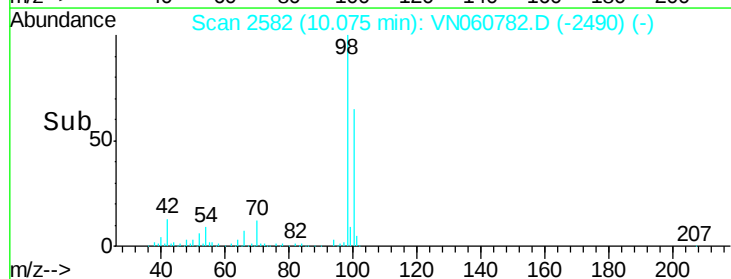
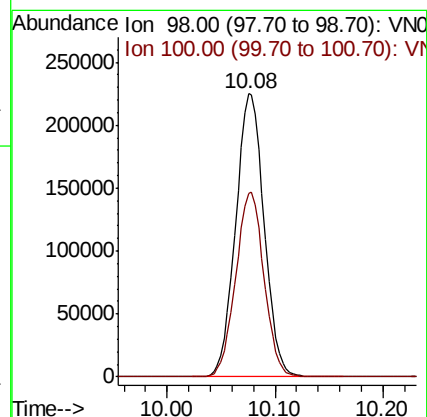
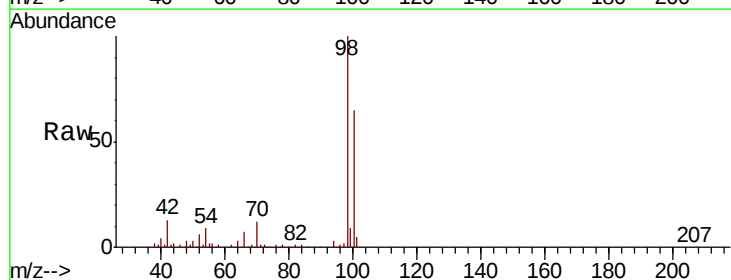
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 3504
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.939 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

Tgt Ion: 98 Resp: 413837
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8

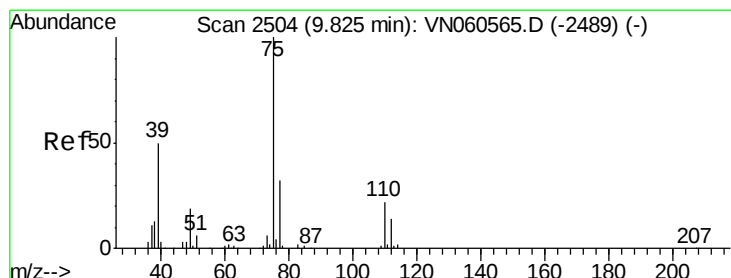
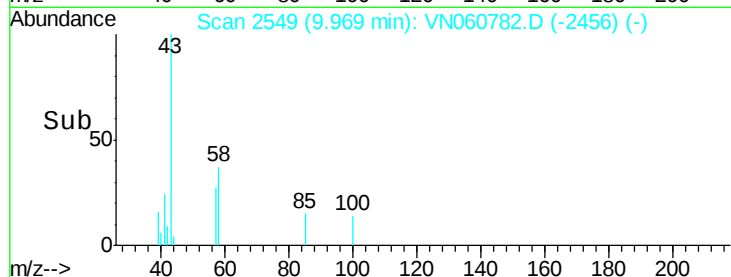
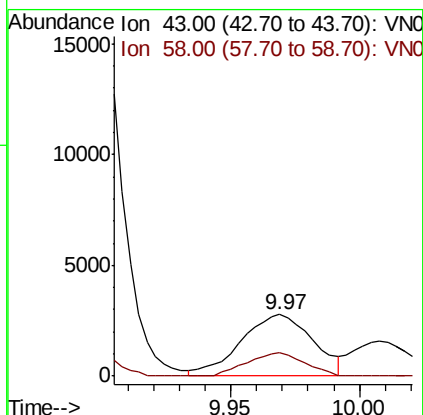
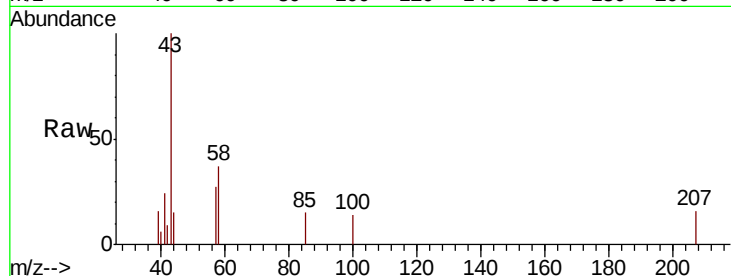




#51
 4-Methyl-2-Pentanone
 Concen: 1.647 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

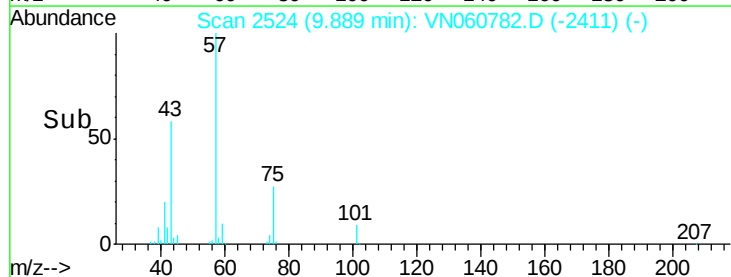
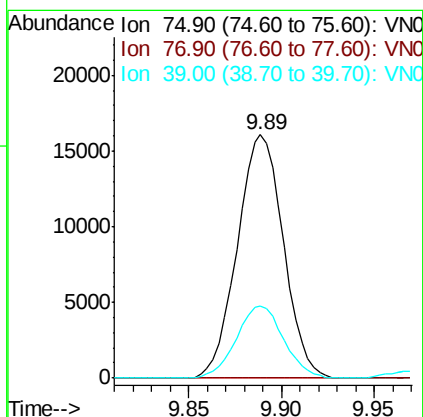
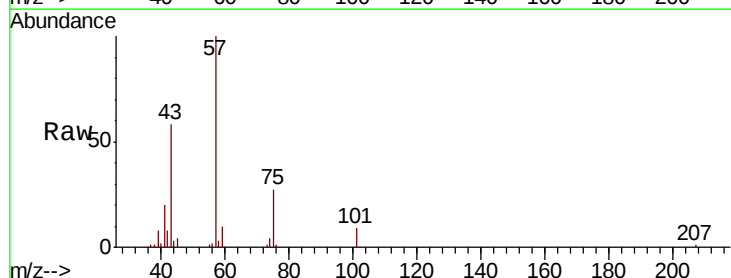
Instrument :
 MSVOA_N
 ClientSampled :

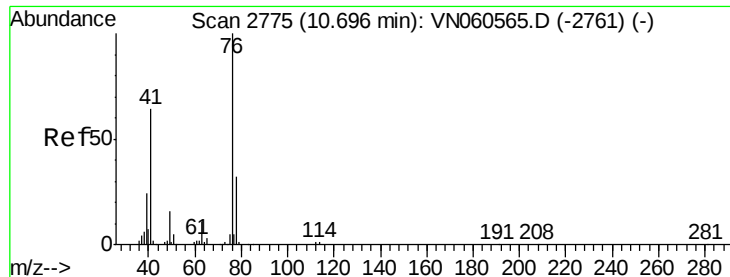
Tot Ion: 43 Resp: 5427
 Ion Ratio Lower Upper
 43 100
 58 30.6 30.8 46.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.778 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

Tgt Ion: 75 Resp: 27770
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 29.7 40.2 60.4#

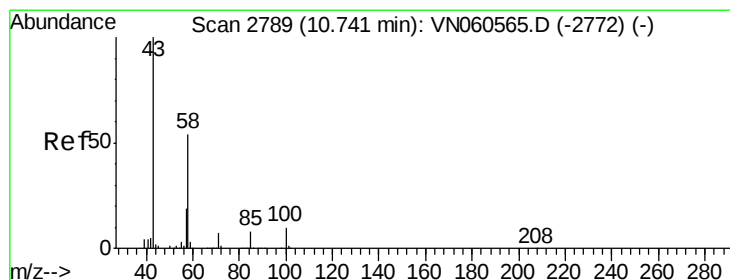
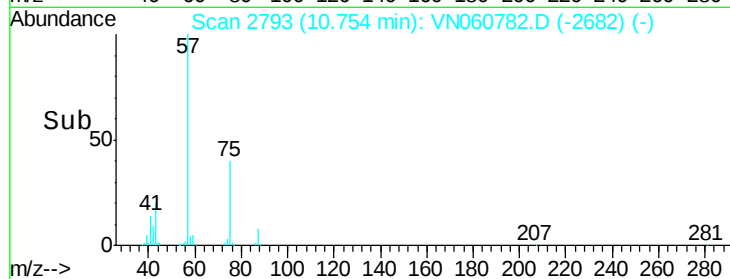
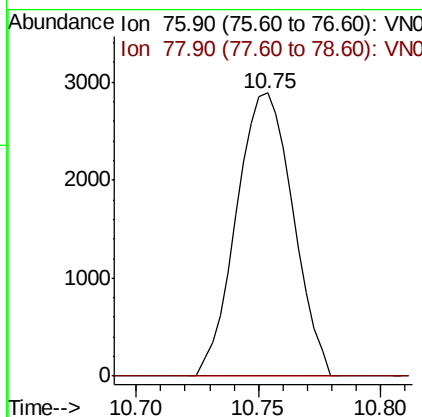
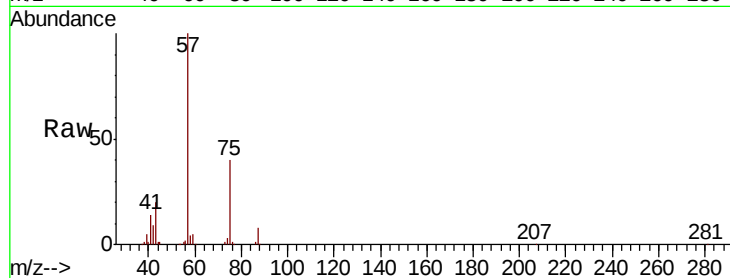




#57
 1,3-Dichloropropane
 Concen: 1.177 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

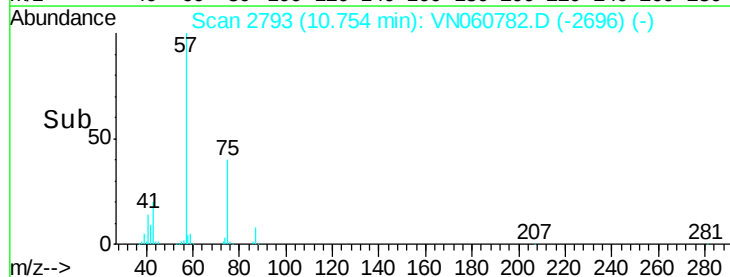
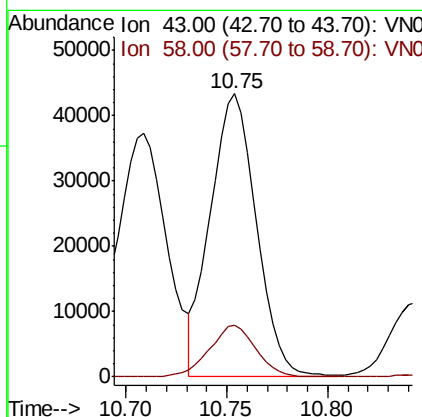
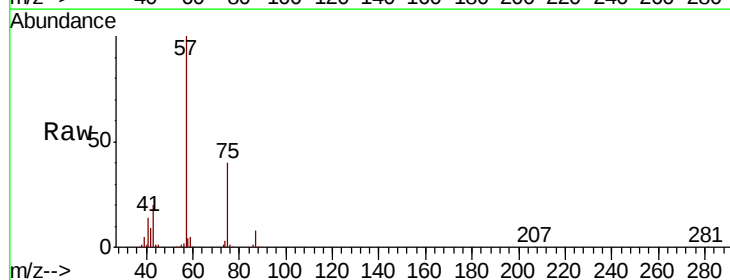
Instrument :
 MSVOA_N
 ClientSampleId :

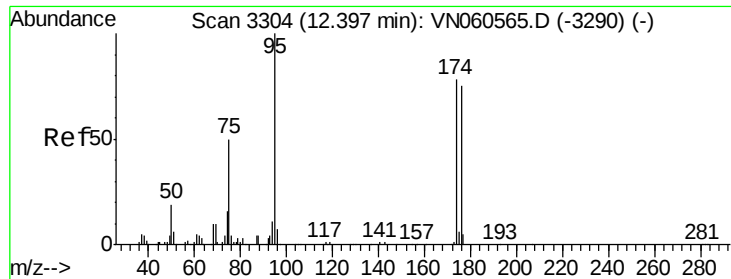
Tot Ion: 76 Resp: 4653
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 28.842 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060782.D
 Acq: 31 Mar 2020 13:49

Tgt Ion: 43 Resp: 68446
 Ion Ratio Lower Upper
 43 100
 58 18.5 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.002 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

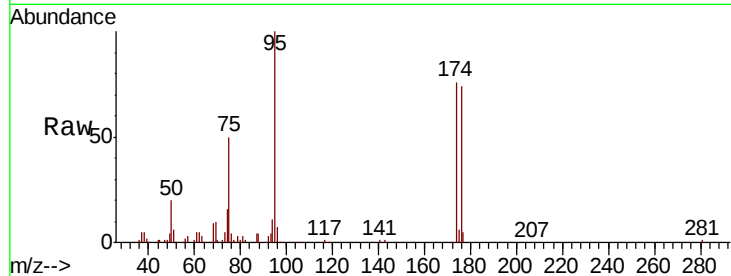
Tot Ion: 95 Resp: 154892

Ion Ratio Lower Upper

95 100

174 77.2 0.0 157.6

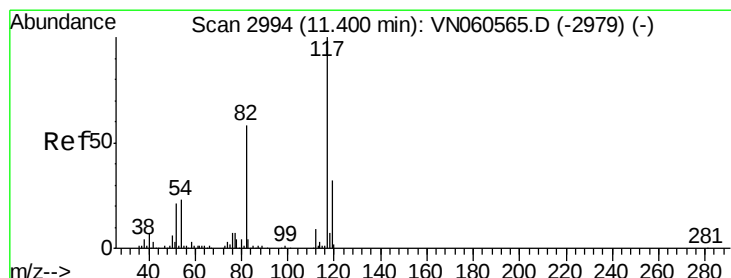
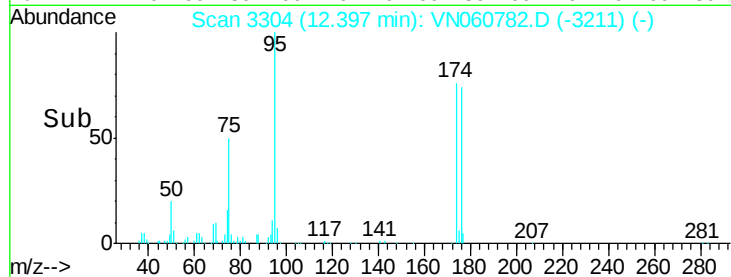
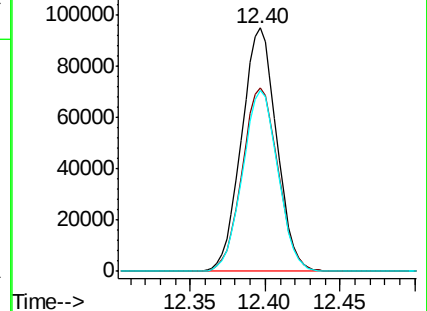
176 74.9 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060782.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060782.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060782.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

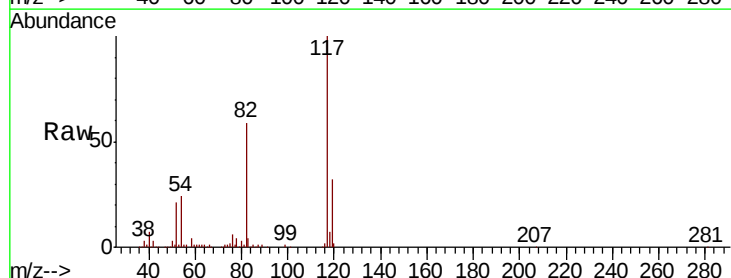
Tgt Ion: 117 Resp: 314442

Ion Ratio Lower Upper

117 100

82 58.8 46.7 70.1

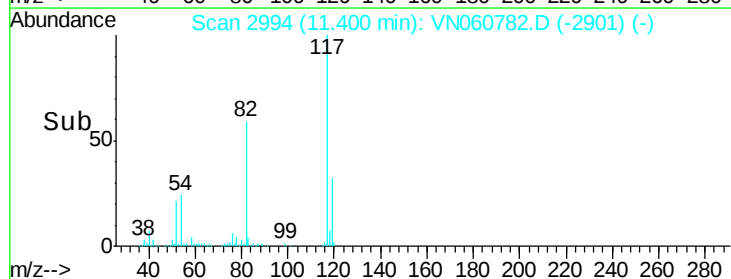
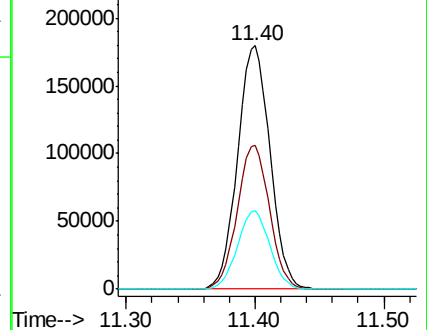
119 32.1 25.5 38.3

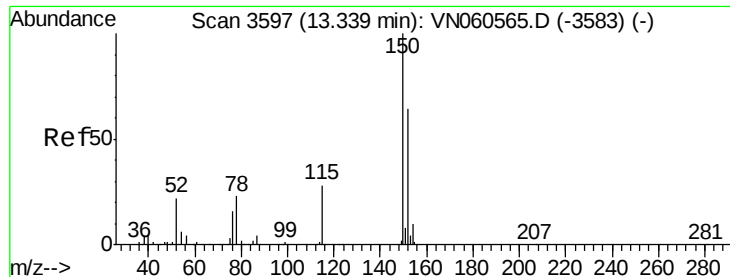


Abundance Ion 116.90 (116.60 to 117.60): VN060782.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060782.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060782.D (-2901) (-)



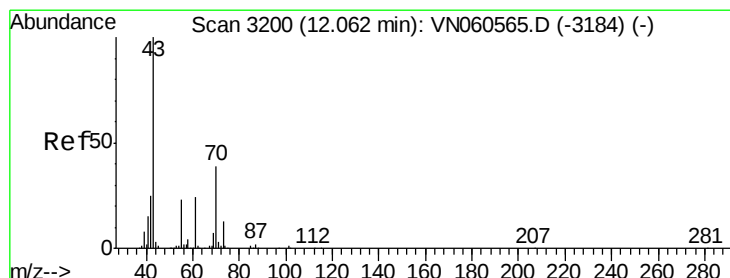
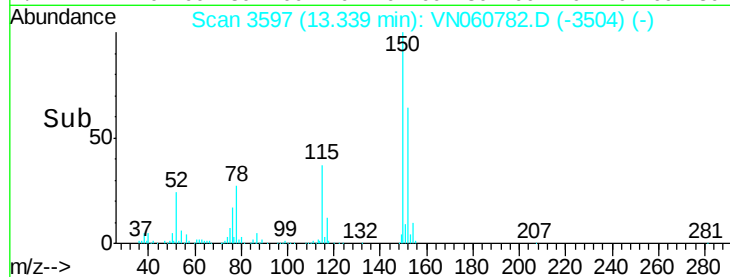
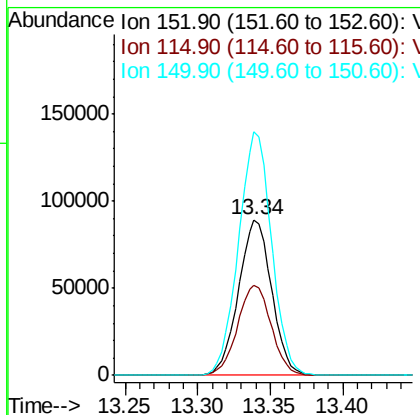
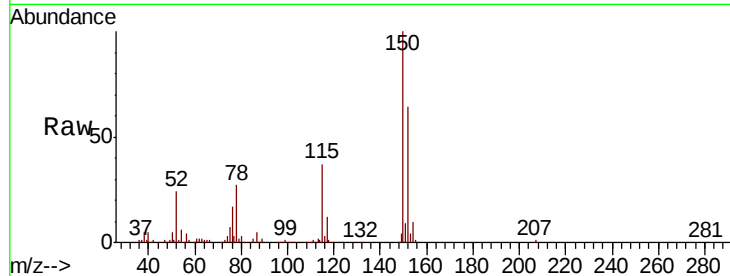


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

Instrument :
MSVOA_N
ClientSampled :

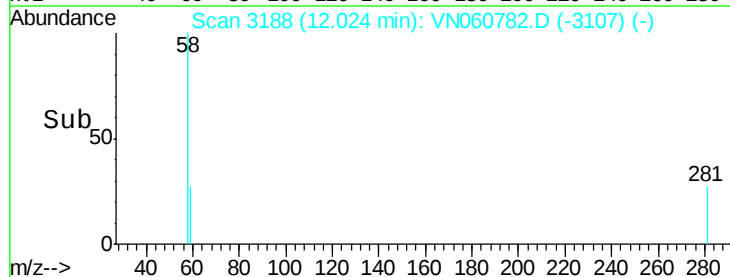
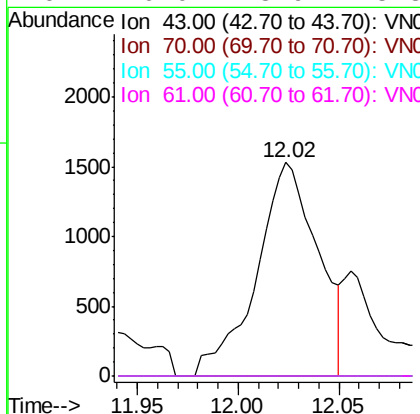
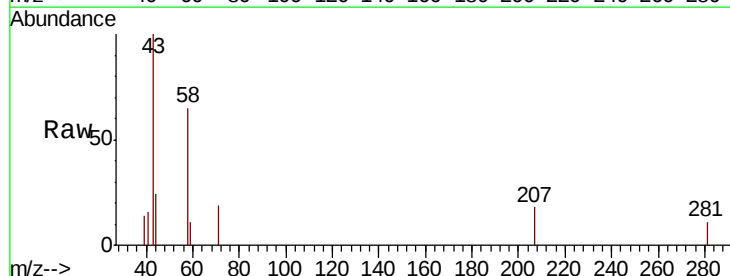
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.2	90.6
150	156.6	0.0	350.2

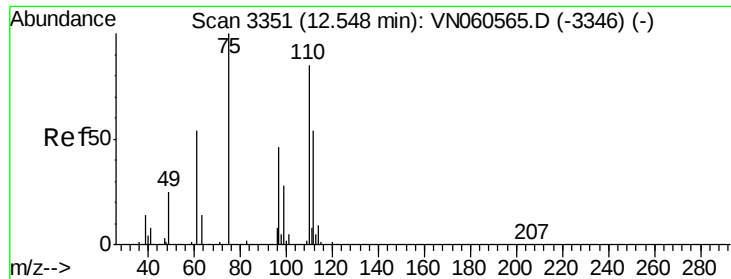


#74

N-ethyl acetate
Concen: 0.658 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060782.D
Acq: 31 Mar 2020 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#





#76

1,2,3-Trichloropropane

Concen: 25.421 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_N

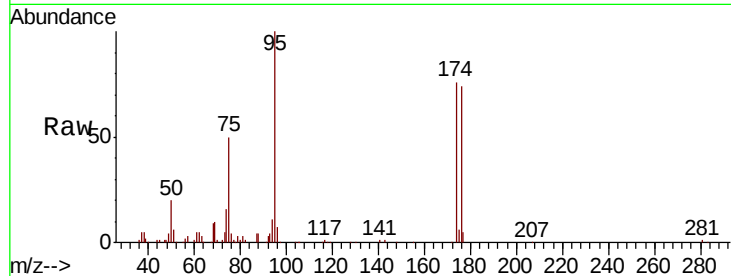
ClientSampled :

Tot Ion: 75 Resp: 77692

Ion Ratio Lower Upper

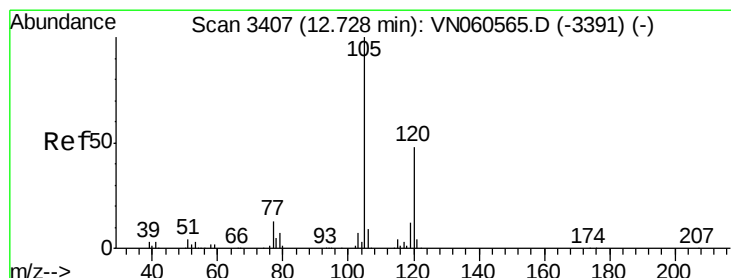
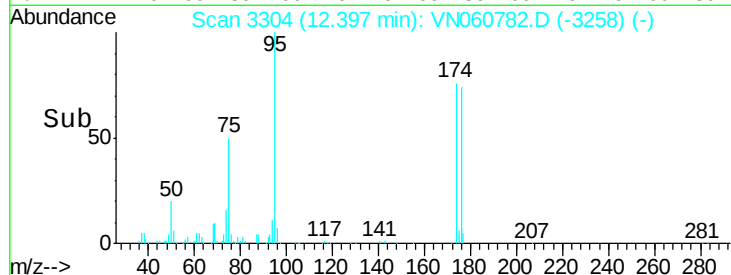
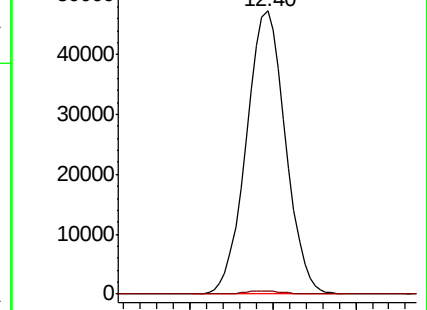
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060782.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060782.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.469 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060782.D

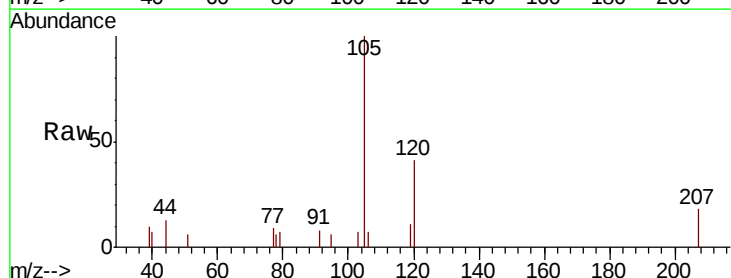
Acq: 31 Mar 2020 13:49

Tgt Ion: 105 Resp: 4227

Ion Ratio Lower Upper

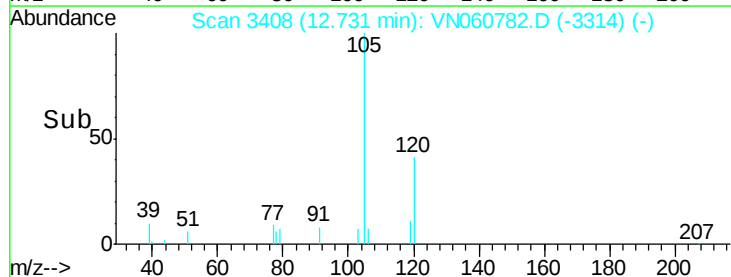
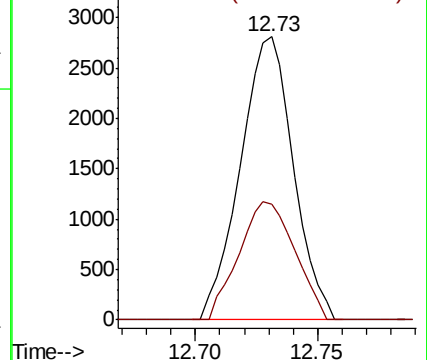
105 100

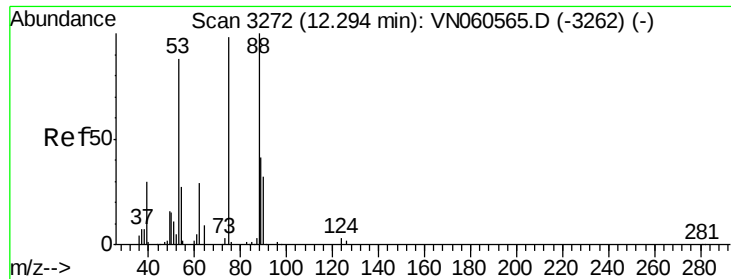
120 44.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060782.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060782.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 65.288 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

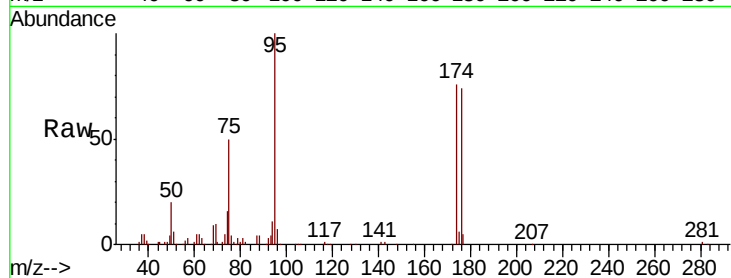
Tot Ion: 75 Resp: 77692

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

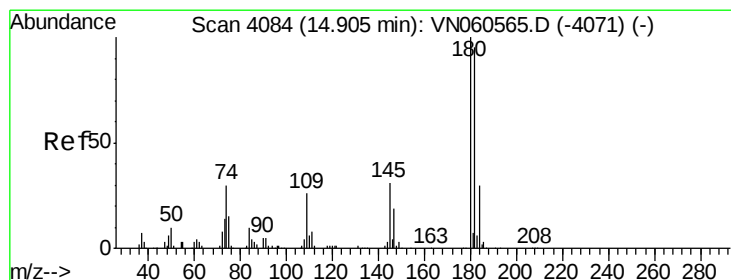
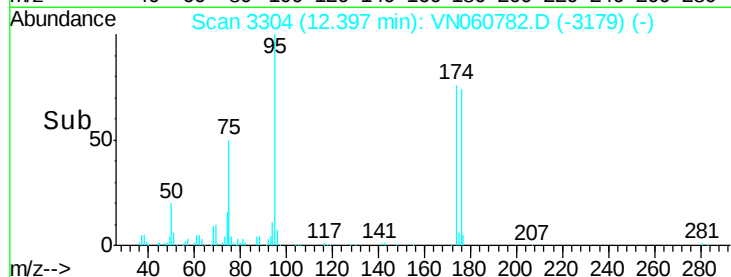
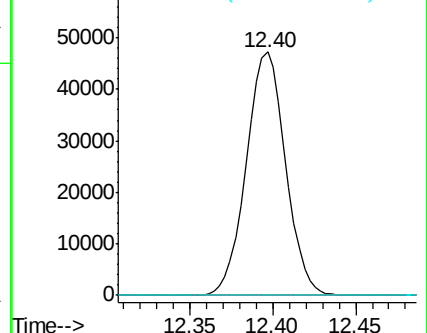
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060782.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060782.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060782.D (-3179) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.243 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

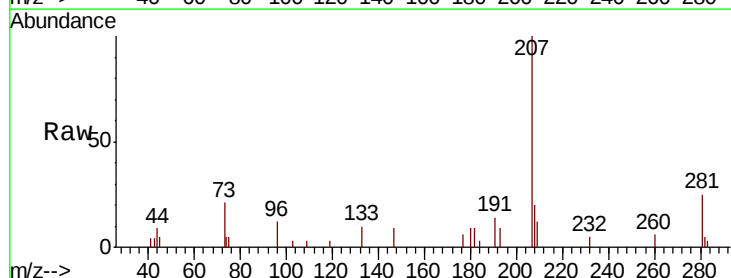
Tgt Ion: 180 Resp: 644

Ion Ratio Lower Upper

180 100

182 103.7 47.9 143.8

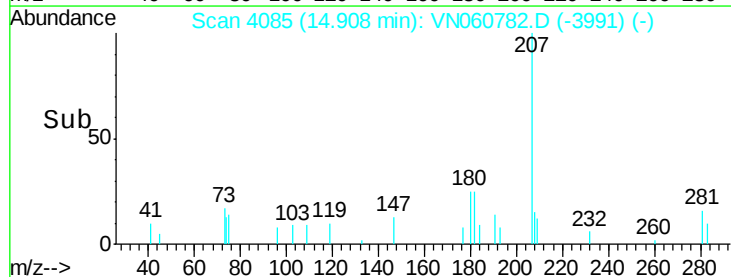
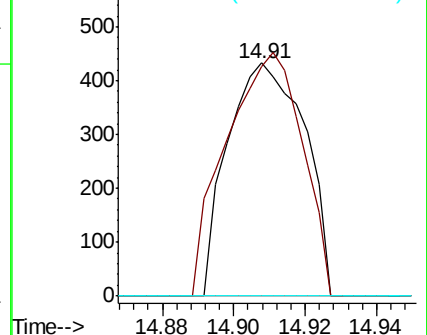
145 0.0 15.4 46.2#

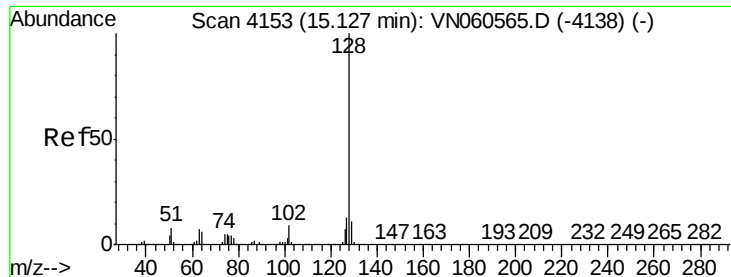


Abundance Ion 179.80 (179.50 to 180.50): VN060782.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN060782.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060782.D (-3991) (-)





#95

Naphthalene

Concen: 0.290 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

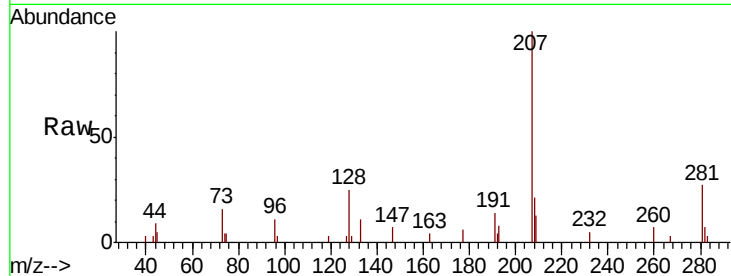
Tot Ion:128 Resp: 2314

Ion Ratio Lower Upper

128 100

127 5.7 10.2 15.2#

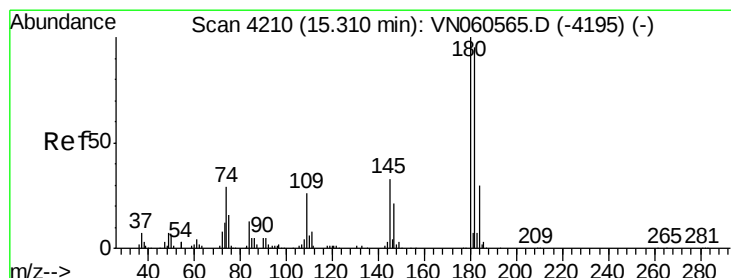
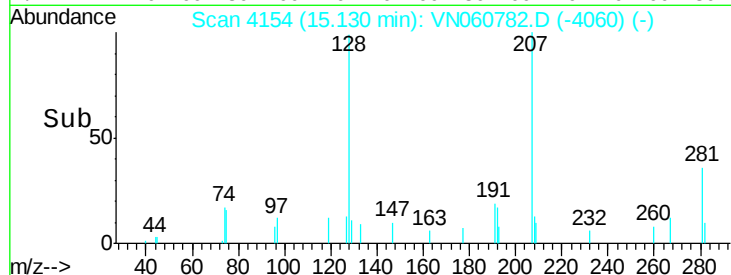
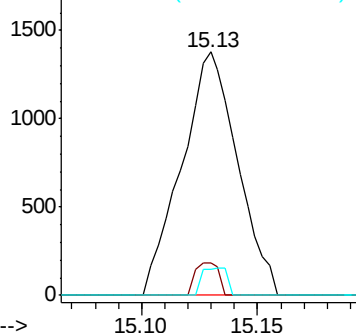
129 5.1 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.282 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060782.D

Acq: 31 Mar 2020 13:49

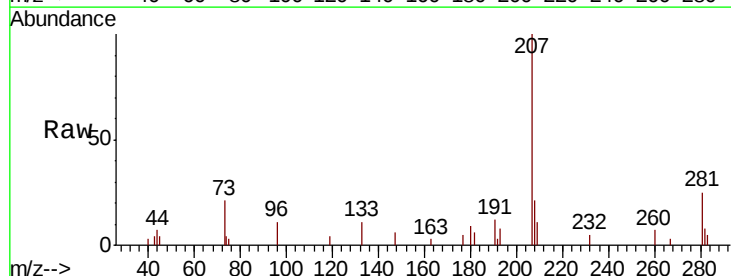
Tgt Ion:180 Resp: 736

Ion Ratio Lower Upper

180 100

182 72.0 47.5 142.6

145 4.1 16.3 48.8#



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

