

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053407.D
 Acq On : 15 Jan 2019 14:54
 Operator : JC/SP
 Sample : K1139-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 S-6

Quant Time: Jan 16 03:39:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1018862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1584168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1497353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	646021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	519301	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	463130	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	10.09	98	1981978	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.40	95	685857	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	

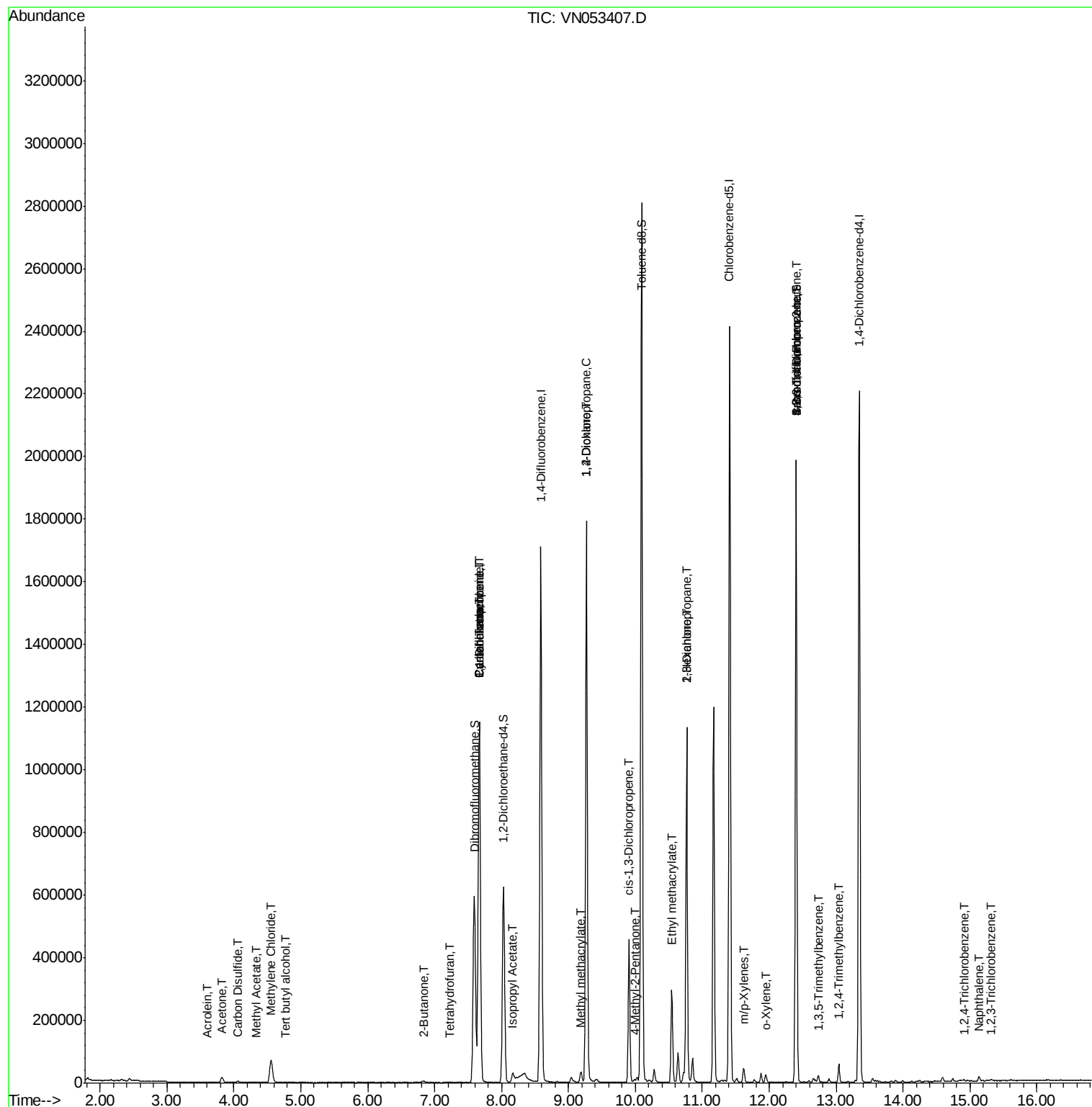
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	1192	2.419	ug/l #	73
13) Acrolein	3.61	56	451	23.164	ug/l #	43
16) Acetone	3.82	43	28434	12.034	ug/l	92
17) Carbon Disulfide	4.07	76	7607	0.277	ug/l	99
18) Methyl Acetate	4.33	43	3373	0.424	ug/l #	69
20) Methylene Chloride	4.55	84	55114	5.109	ug/l	95
25) 2-Butanone	6.85	43	5479	1.505	ug/l #	87
29) Tetrahydrofuran	7.22	42	1293	0.546	ug/l #	63
31) Cyclohexane	7.67	56	17024	0.742	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	66479	4.608	ug/l #	48
38) Carbon Tetrachloride	7.67	117	87081	6.375	ug/l #	16
43) Isopropyl Acetate	8.17	43	43051	2.762	ug/l #	81
45) 1,2-Dichloropropane	9.27	63	2437	0.210	ug/l #	43
48) Methyl methacrylate	9.18	41	12779	1.658	ug/l #	12
49) 1,4-Dioxane	9.26	88	69	0.917	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	5290	0.649	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	86551	5.192	ug/l #	61
56) Ethyl methacrylate	10.54	69	1163	2.141	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	11440	0.705	ug/l #	42
59) 2-Hexanone	10.77	43	160845	28.122	ug/l #	51
68) m/p-Xylenes	11.62	106	15675	0.769	ug/l	96
69) o-Xylene	11.95	106	6507	0.328	ug/l	90
71) Bromoform	12.40	173	4046	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	318518	39.160	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	11036	0.287	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	318518	92.422	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	33803	0.871	ug/l	100
93) 1,2,4-Trichlorobenzene	14.91	180	1922	2.970	ug/l	93
95) Naphthalene	15.13	128	13366	4.727	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	1986	4.185	ug/l #	87

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

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Sample : K1139-12
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Quant Time: Jan 16 03:39:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 15 11:52:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

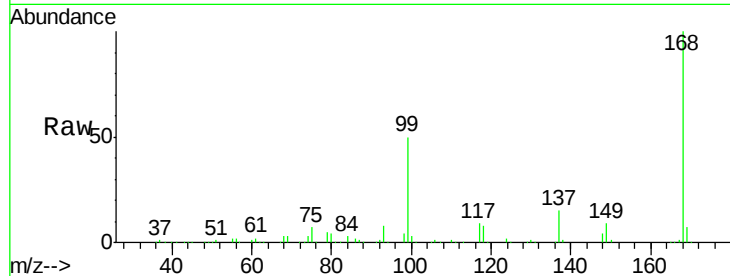
S-6

Tot Ion:168 Resp: 1018862

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

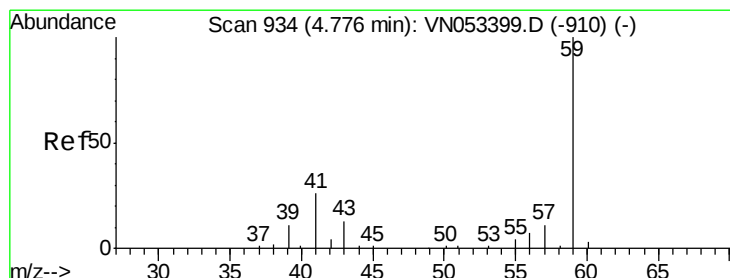
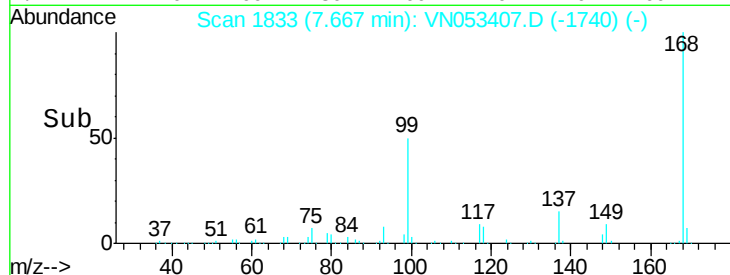
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.419 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: VN053407.D

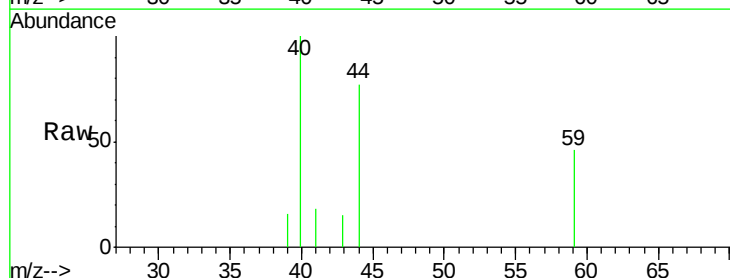
Acq: 15 Jan 2019 14:54

Tgt Ion: 59 Resp: 1192

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN053399.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN053399.D (-910) (-)

4.77

500

400

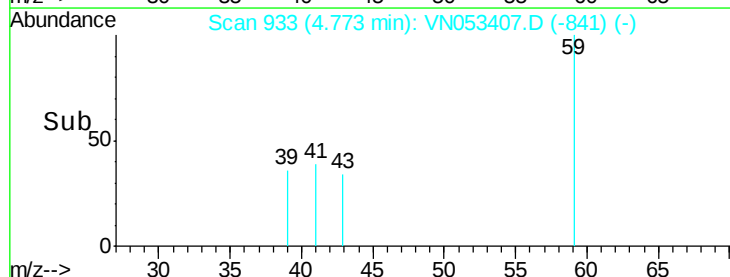
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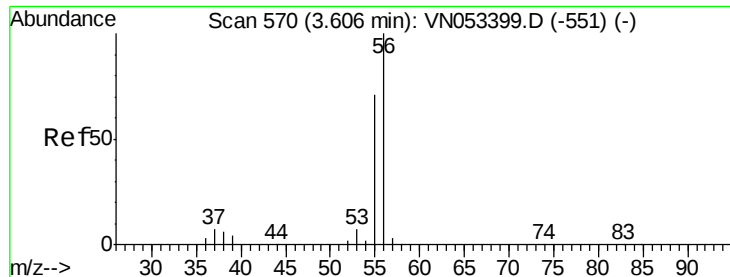
200

100

0

Time-->





#13

Acrolein

Concen: 23.164 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

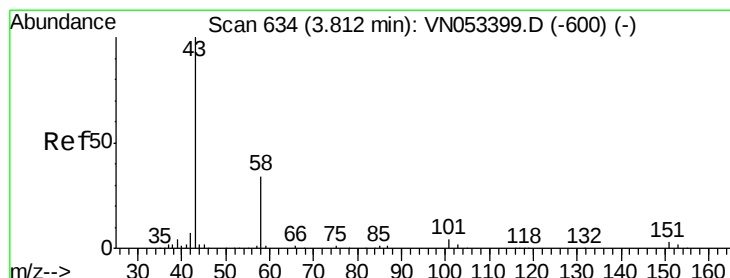
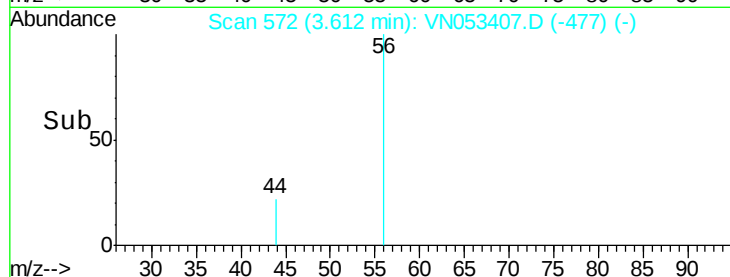
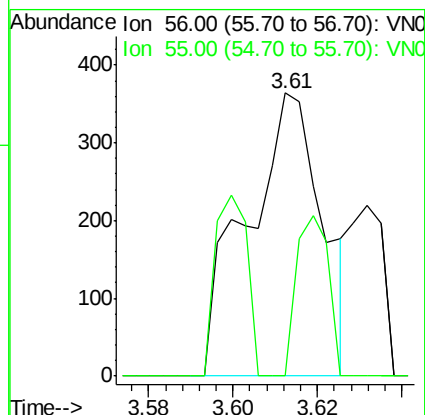
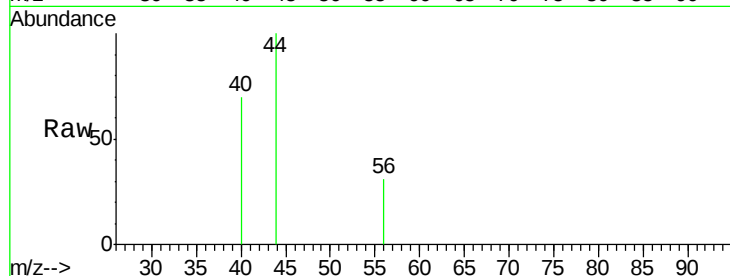
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Tot Ion: 56 Resp: 451

Ion Ratio Lower Upper

56 100

55 23.7 56.3 84.5#



#16

Acetone

Concen: 12.034 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053407.D

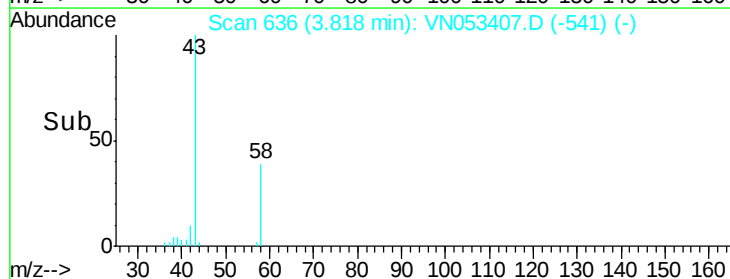
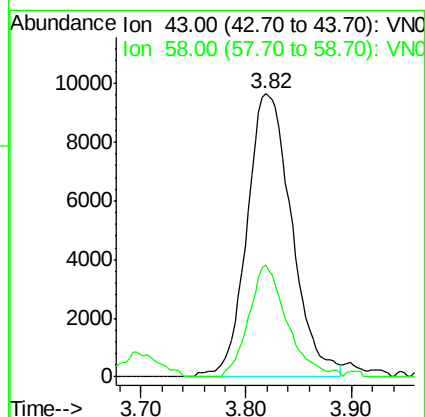
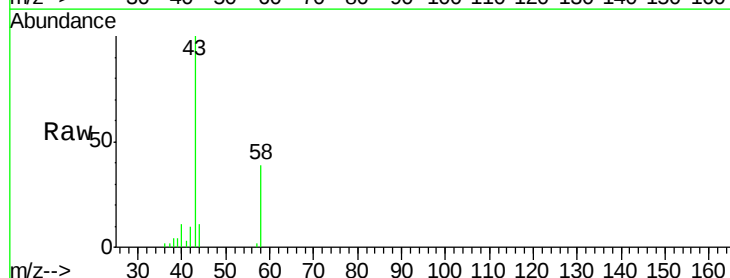
Acq: 15 Jan 2019 14:54

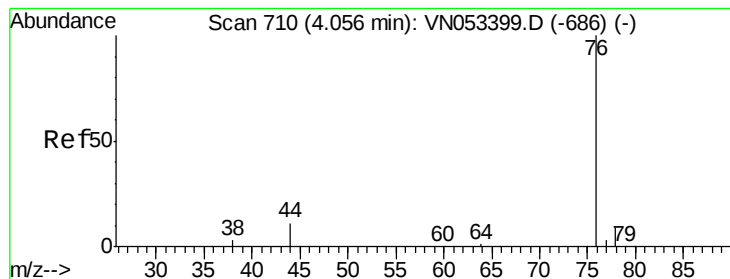
Tgt Ion: 43 Resp: 28434

Ion Ratio Lower Upper

43 100

58 39.3 27.8 41.6





#17

Carbon Disulfide

Concen: 0.277 ug/l

RT: 4.07 min Scan# 713

Delta R.T. 0.01 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

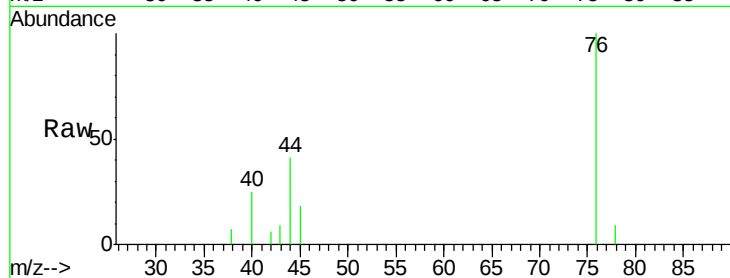
S-6

Tot Ion: 76 Resp: 7607

Ion Ratio Lower Upper

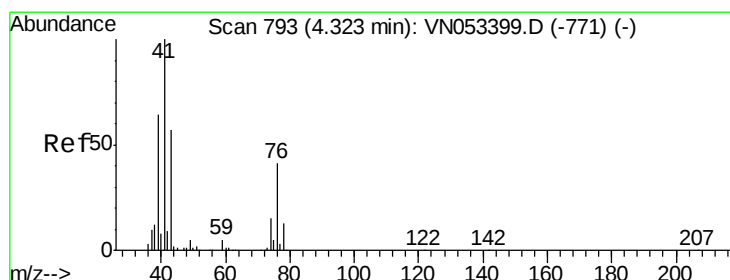
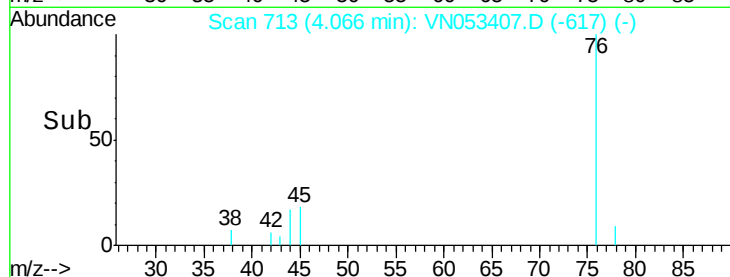
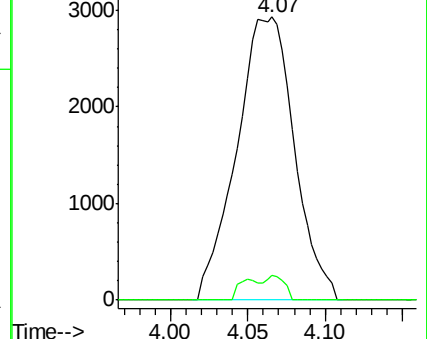
76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.424 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053407.D

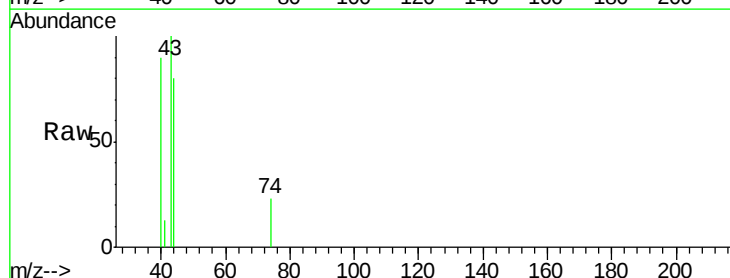
Acq: 15 Jan 2019 14:54

Tgt Ion: 43 Resp: 3373

Ion Ratio Lower Upper

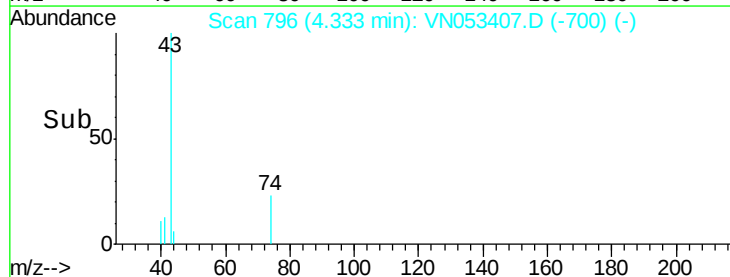
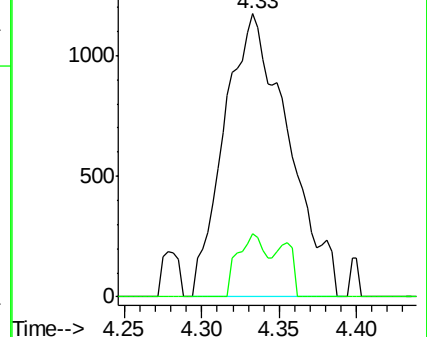
43 100

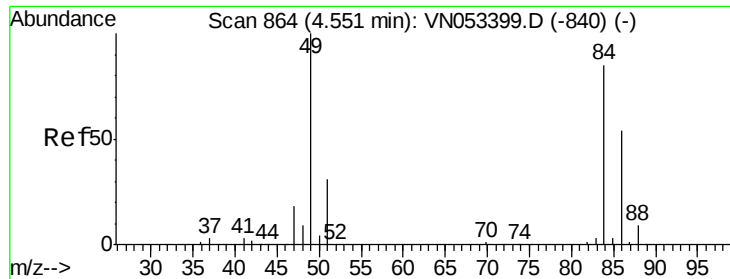
74 9.2 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

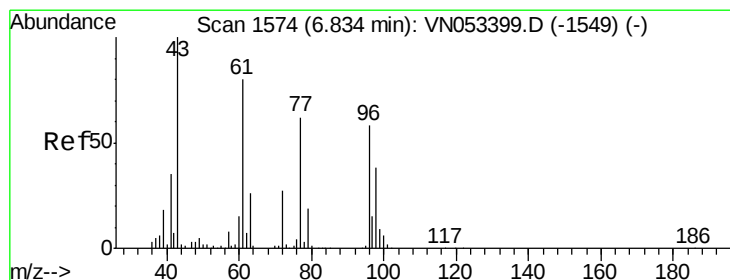
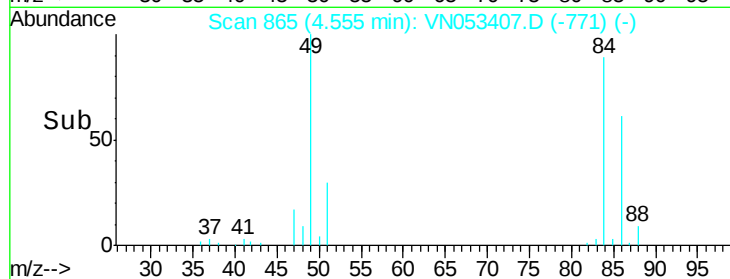
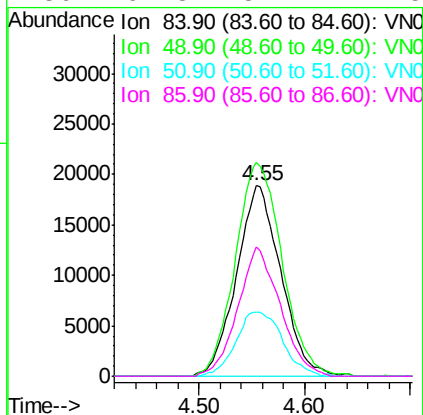
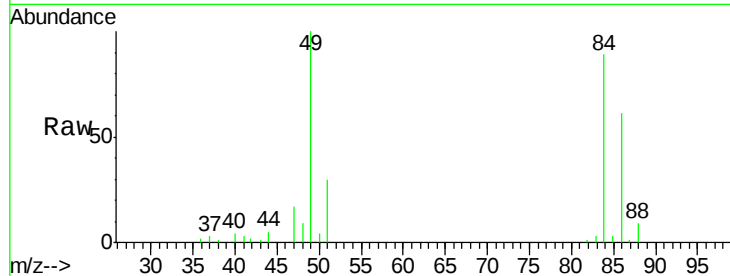




#20
Methvlene Chloride
Concen: 5.109 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

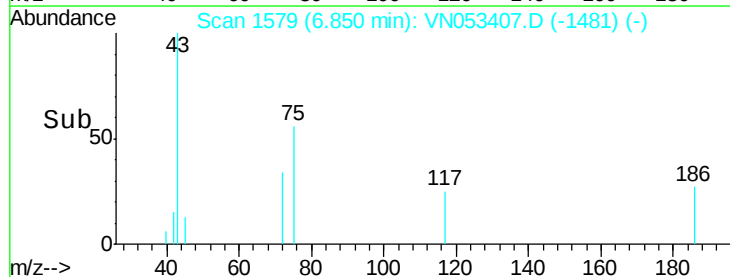
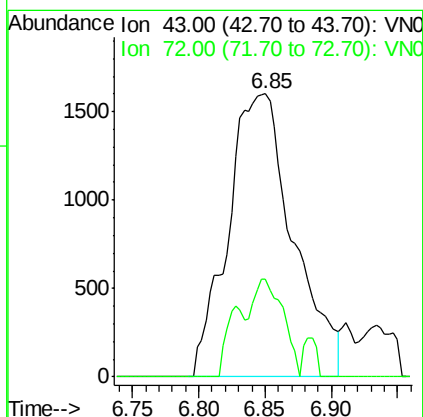
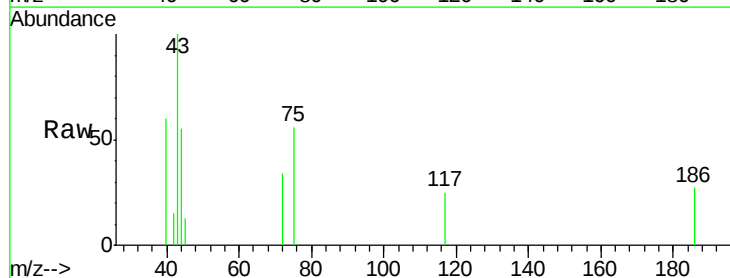
Instrument :
MSVOA_N
ClientSampled :
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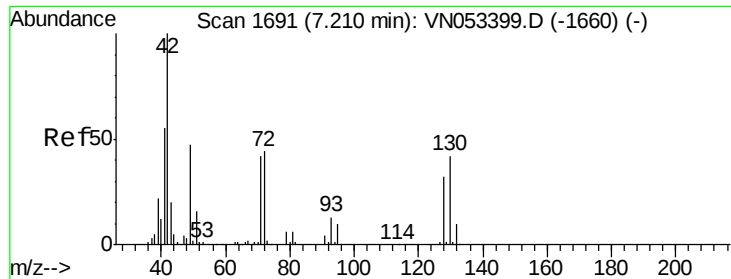
Tot Ion:	84	Resp:	55114
Ion	Ratio	Lower	Upper
84	100		
49	112.1	95.3	142.9
51	33.7	29.0	43.6
86	67.8	51.7	77.5



#25
2-Butanone
Concen: 1.505 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

Tgt Ion:	43	Resp:	5479
Ion	Ratio	Lower	Upper
43	100		
72	34.4	22.0	33.0#

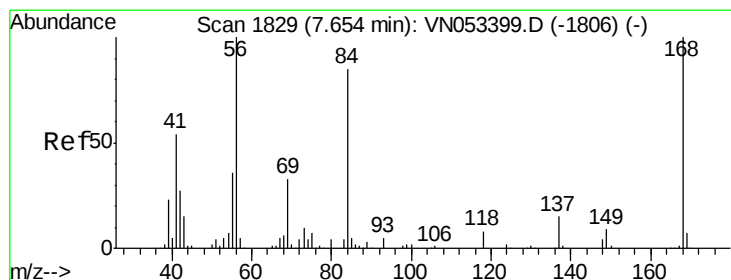
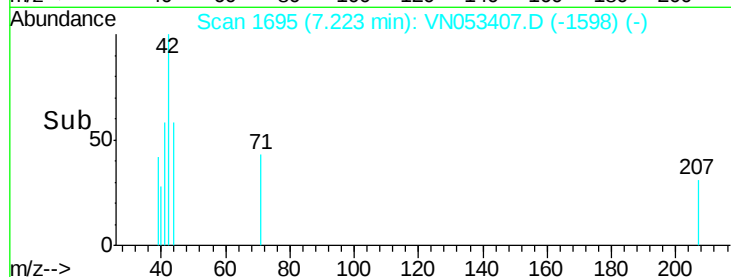
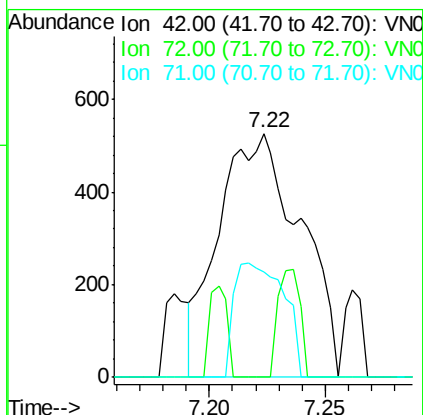
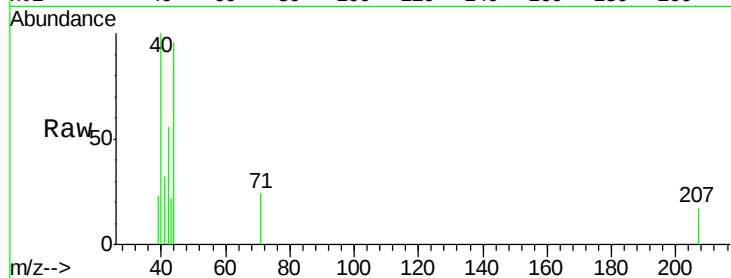




#29
Tetrahydrofuran
Concen: 0.546 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

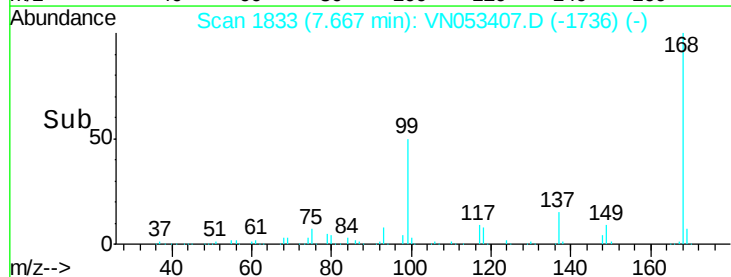
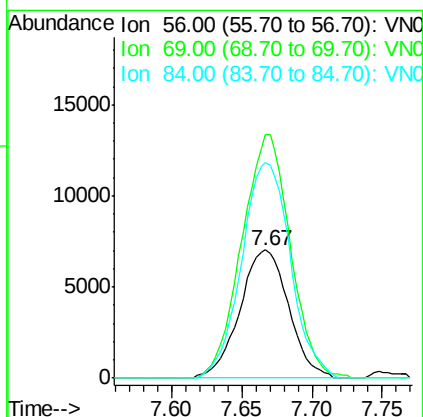
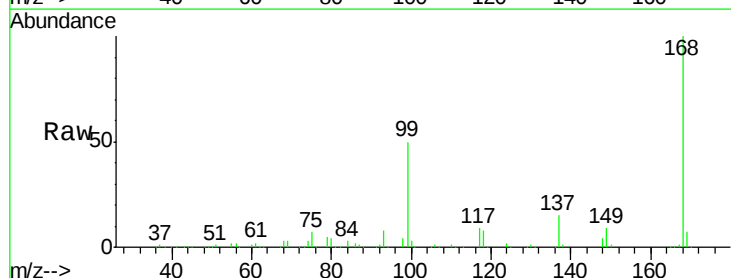
Instrument :
MSVOA_N
ClientSampled :
S-6

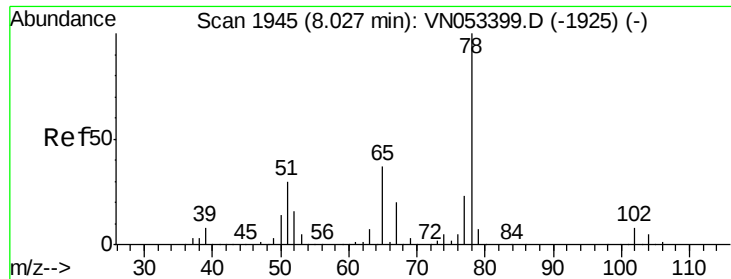
Tot Ion: 42 Resp: 1293
Ion Ratio Lower Upper
42 100
72 11.8 35.6 53.4#
71 28.2 33.8 50.8#



#31
Cyclohexane
Concen: 0.742 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

Tgt Ion: 56 Resp: 17024
Ion Ratio Lower Upper
56 100
69 190.1 26.7 40.1#
84 168.5 68.2 102.4#

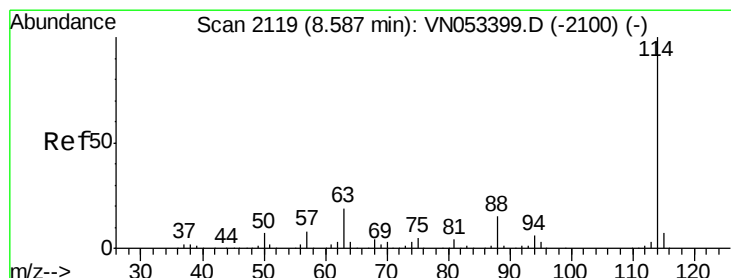
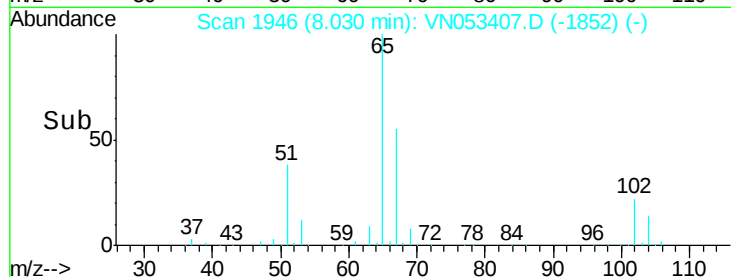
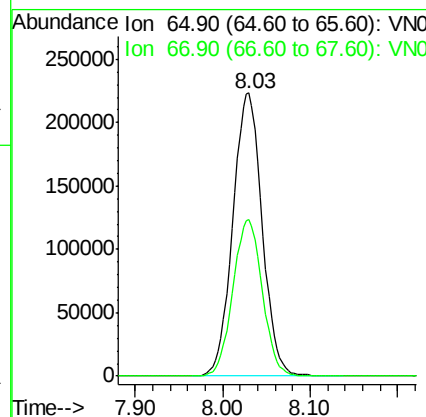
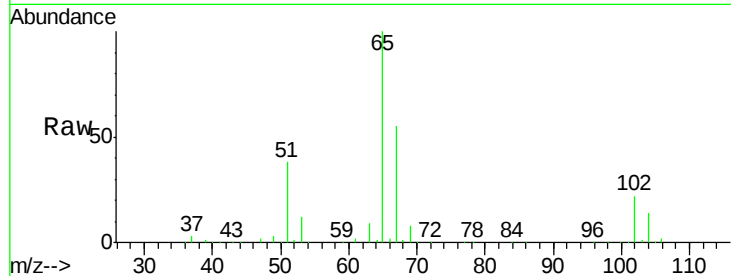




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053407.D
 Acq: 15 Jan 2019 14:54

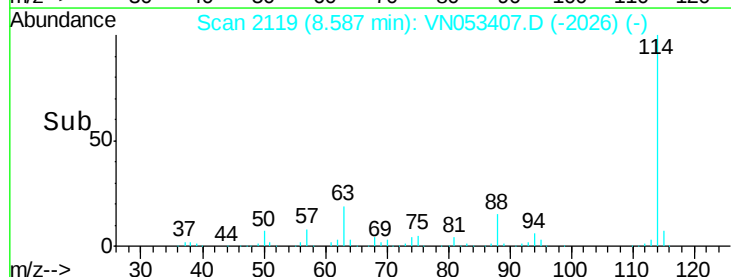
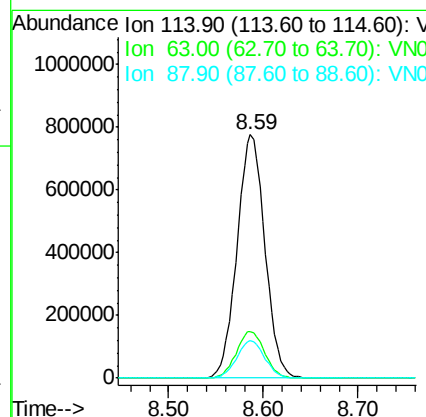
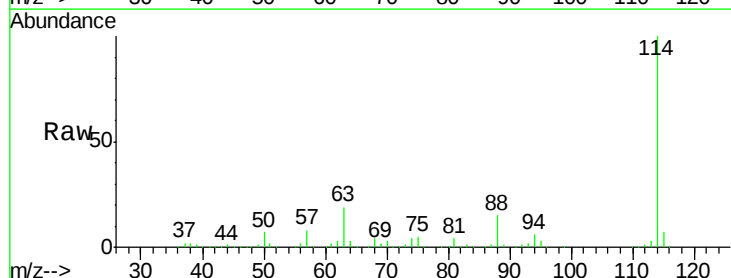
Instrument :
 MSVOA_N
 ClientSampled :
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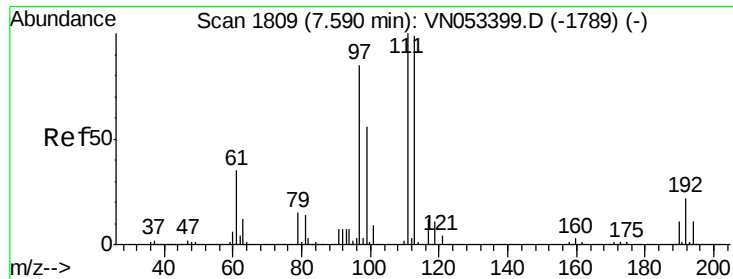
Tot Ion: 65 Resp: 519301
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053407.D
 Acq: 15 Jan 2019 14:54

Tgt Ion: 114 Resp: 1584168
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.4 0.0 30.8

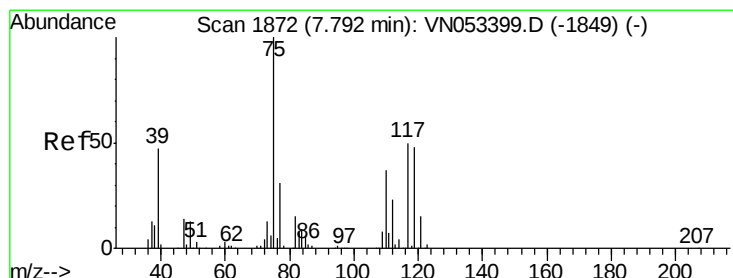
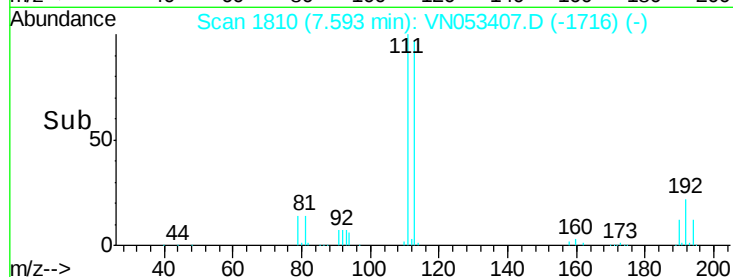
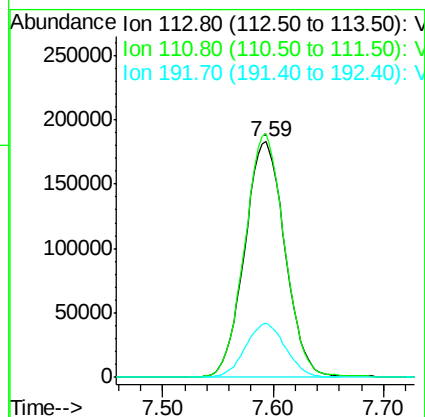
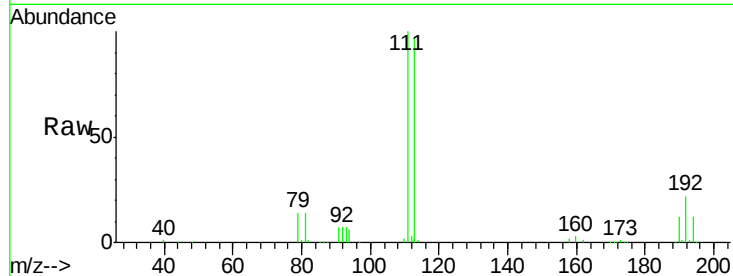




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053407.D
 Acq: 15 Jan 2019 14:54

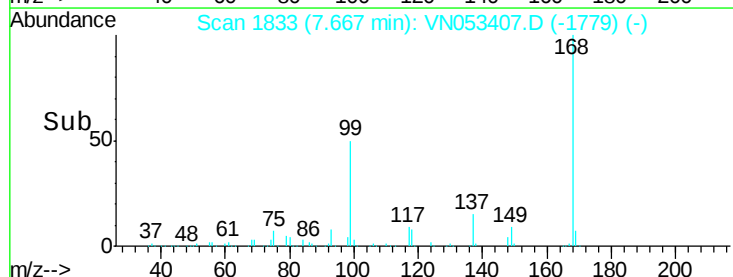
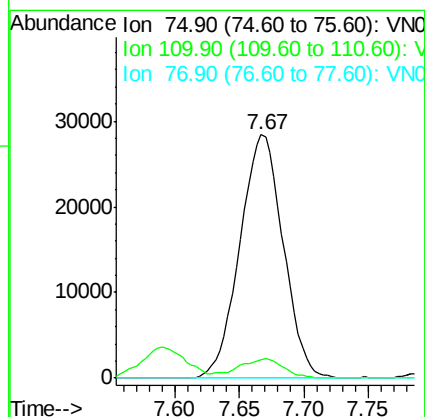
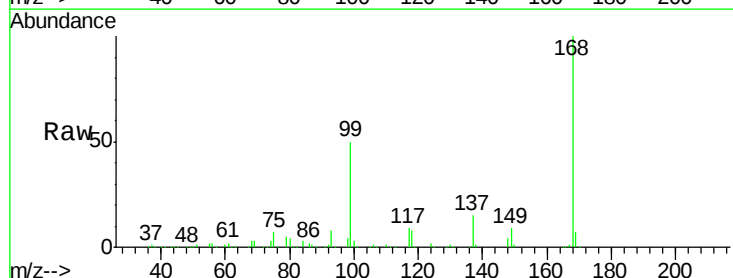
Instrument :
 MSVOA_N
 ClientSampled :
 S-6

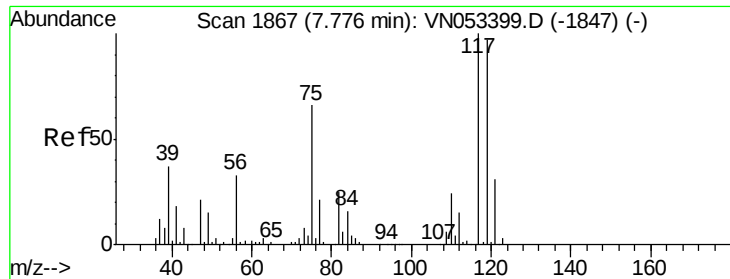
Tot Ion:113 Resp: 463130
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.2
 192 22.8 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.608 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053407.D
 Acq: 15 Jan 2019 14:54

Tgt Ion: 75 Resp: 66479
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.4 55.0#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.375 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

S-6

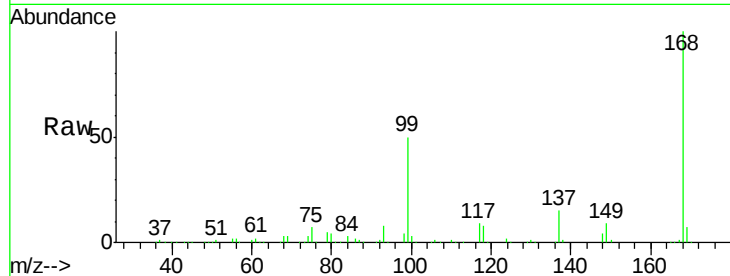
Tot Ion:117 Resp: 87081

Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

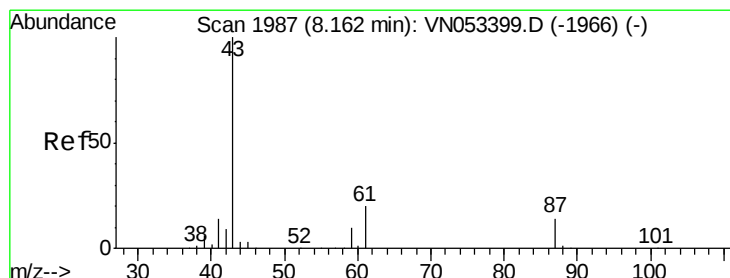
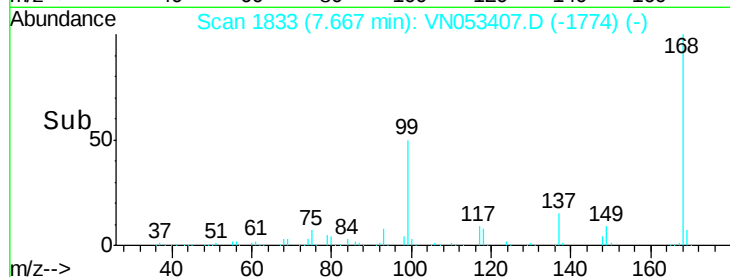
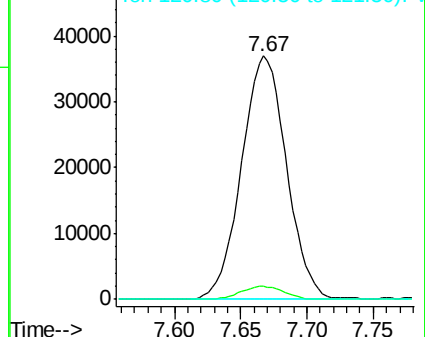
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 2.762 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

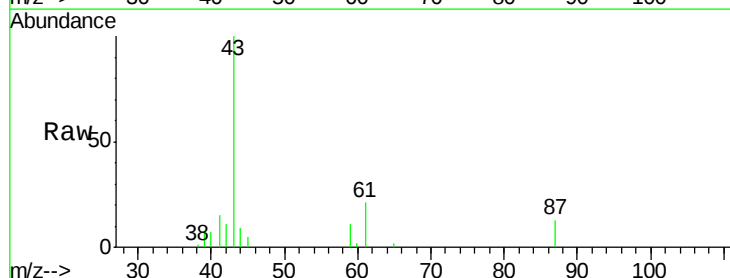
Tgt Ion: 43 Resp: 43051

Ion Ratio Lower Upper

43 100

61 16.3 23.3 34.9#

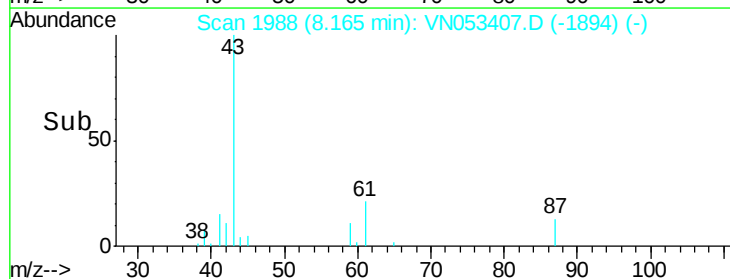
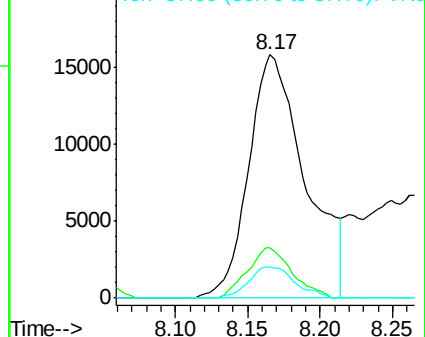
87 10.4 10.8 16.2#

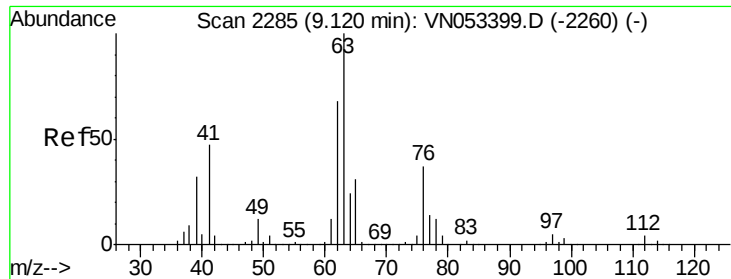


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

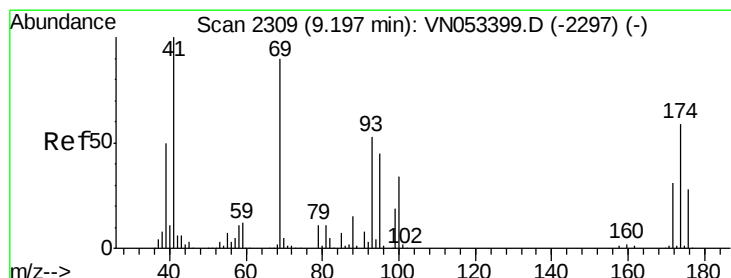
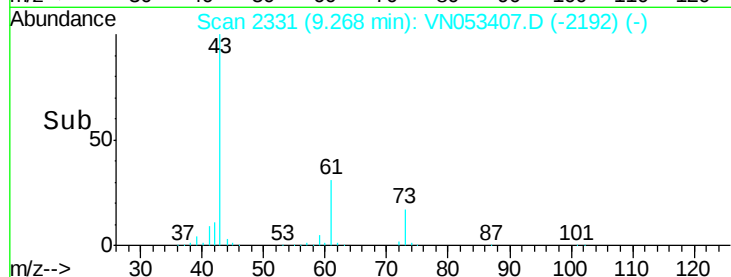
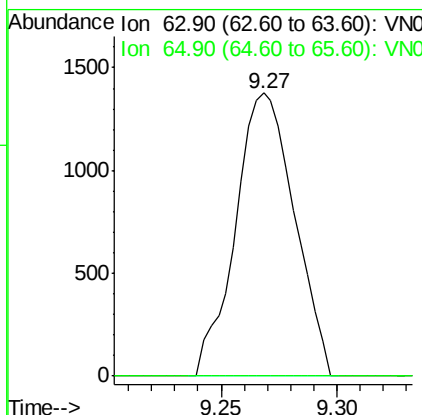
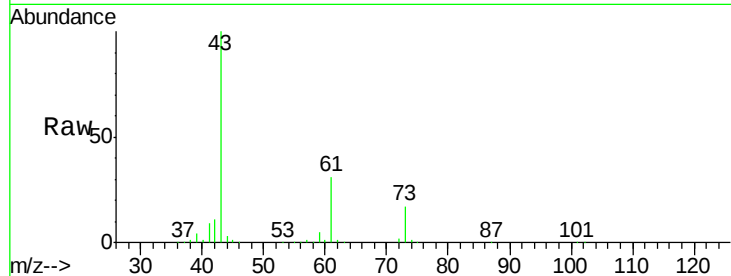




#45
 1,2-Dichloropropane
 Concen: 0.210 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053407.D
 Acq: 15 Jan 2019 14:54

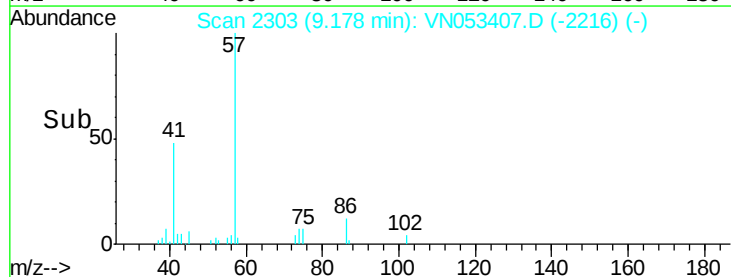
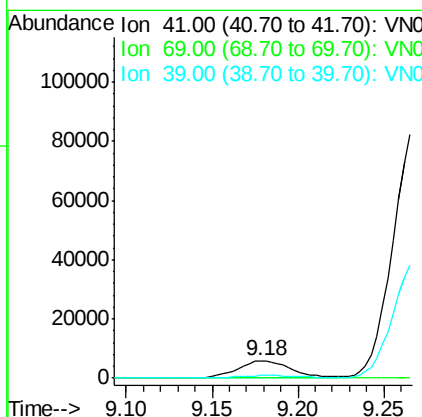
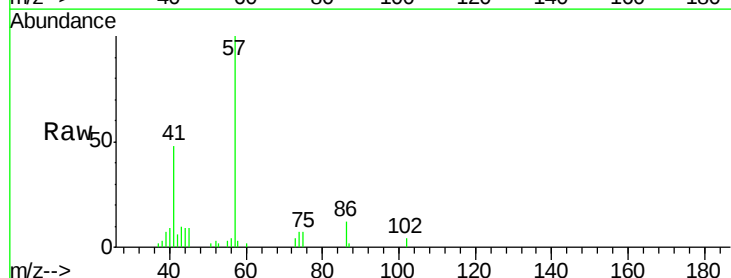
Instrument :
 MSVOA_N
 ClientSampled :
 S-6

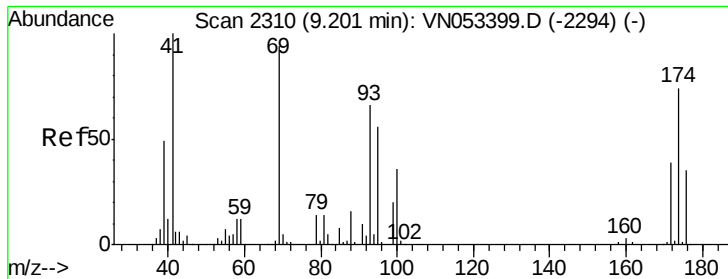
Tot Ion: 63 Resp: 2437
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.658 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053407.D
 Acq: 15 Jan 2019 14:54

Tgt Ion: 41 Resp: 12779
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.5 110.3#
 39 0.0 41.6 62.4#

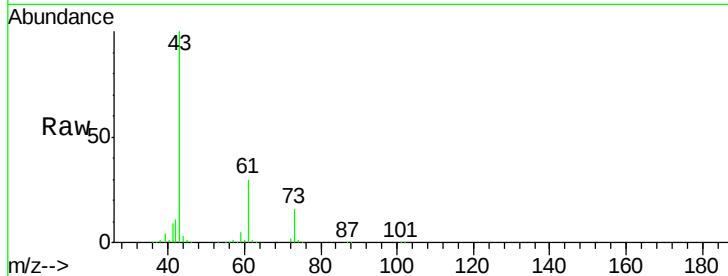




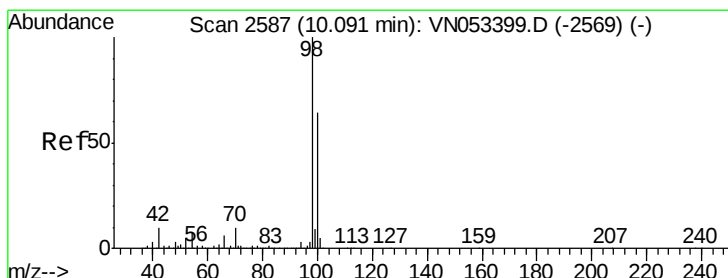
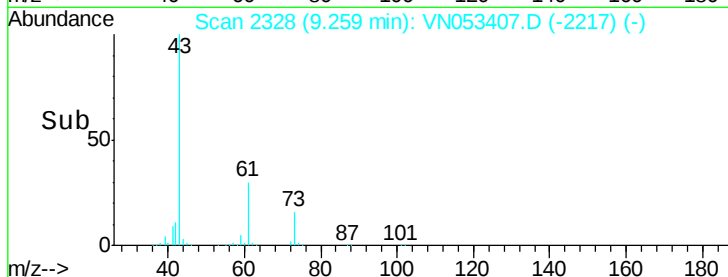
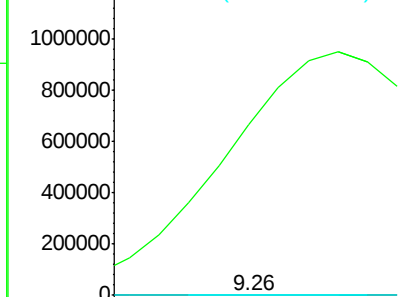
#49
1,4-Dioxane
Concen: 0.917 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
S-6

Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.4#
58 0.0 55.5 83.3#

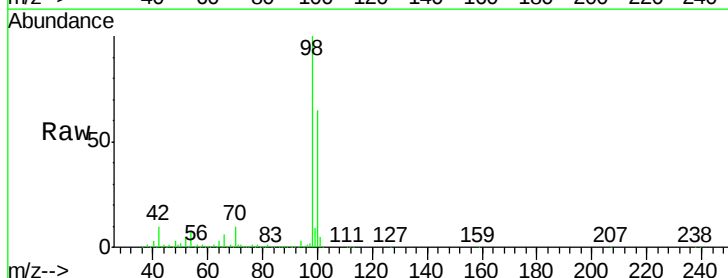


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

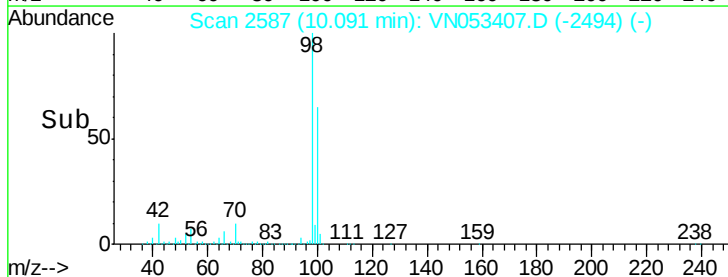
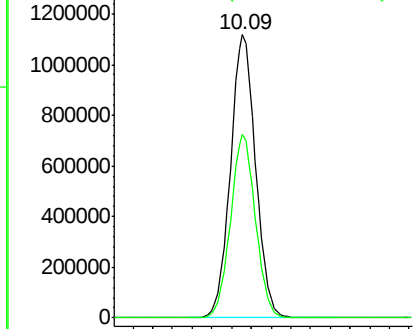


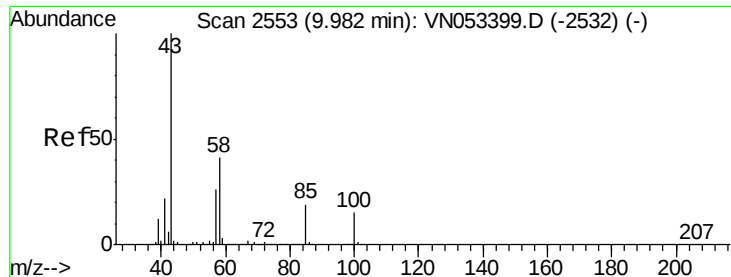
#50
Toluene-d8
Concen: 0.917 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

Tgt Ion: 98 Resp: 1981978
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.649 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

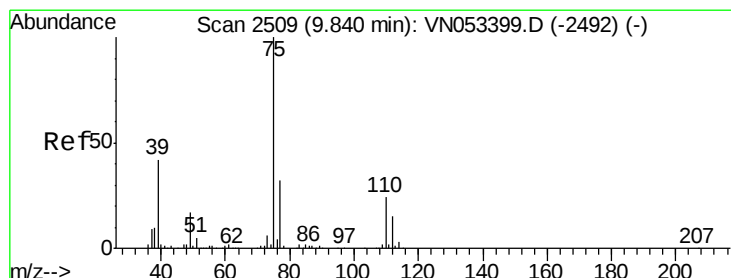
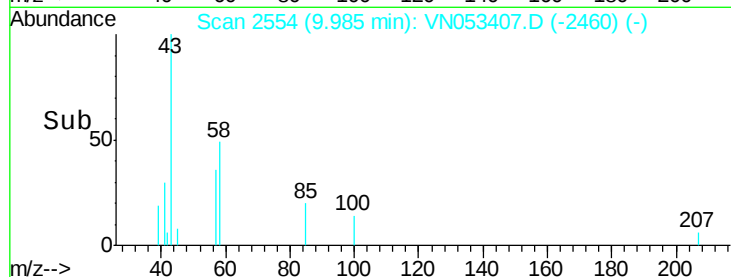
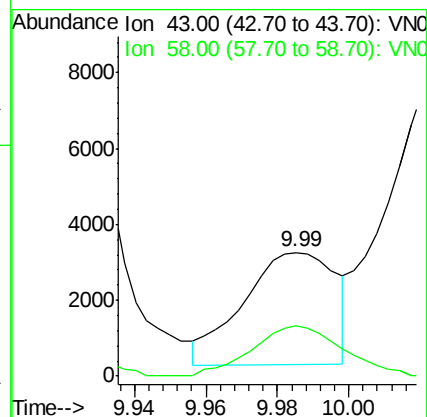
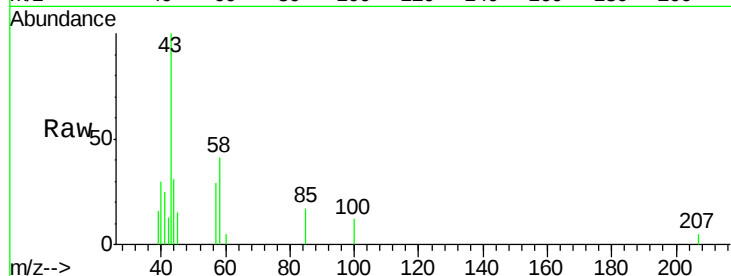
S-6

Tot Ion: 43 Resp: 5290

Ion Ratio Lower Upper

43 100

58 44.2 32.7 49.1



#54

cis-1,3-Dichloropropene

Concen: 5.192 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

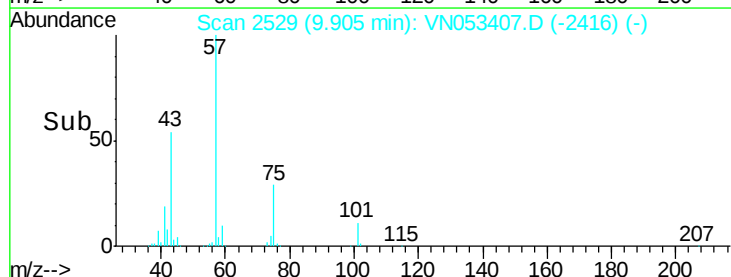
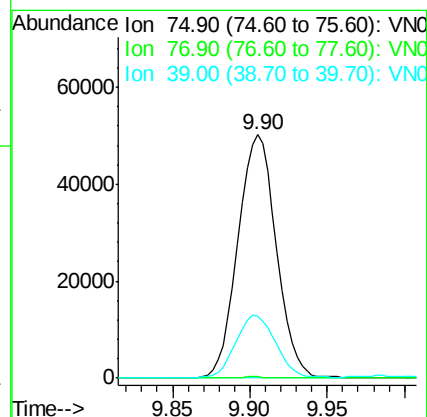
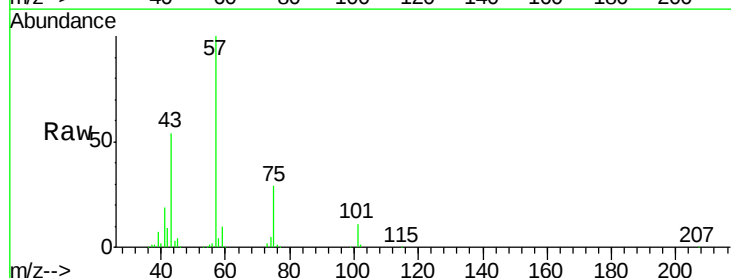
Tgt Ion: 75 Resp: 86551

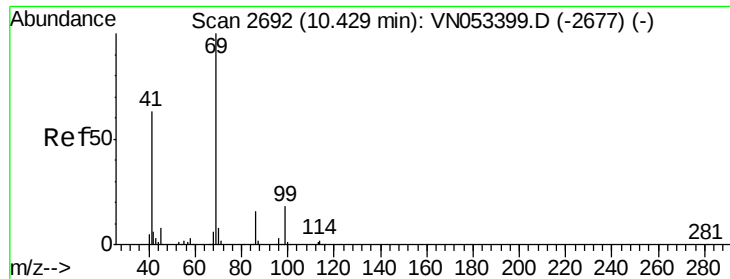
Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 25.2 33.1 49.7#





#56

Ethyl methacrylate

Concen: 2.141 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

S-6

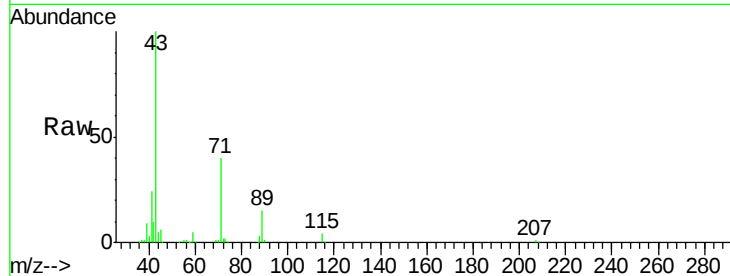
Tot Ion: 69 Resp: 1163

Ion Ratio Lower Upper

69 100

41 4401.5 49.2 73.8#

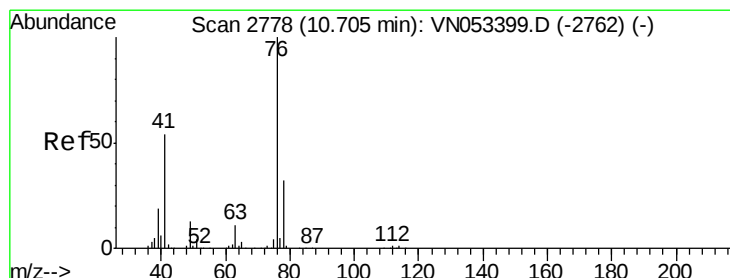
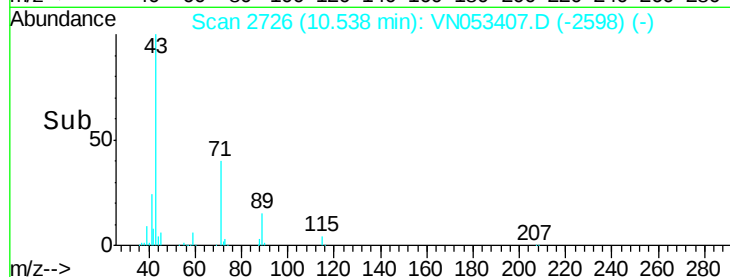
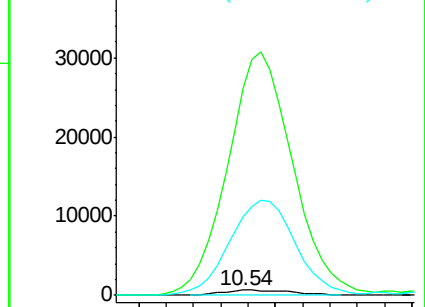
39 1738.0 23.4 35.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.705 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053407.D

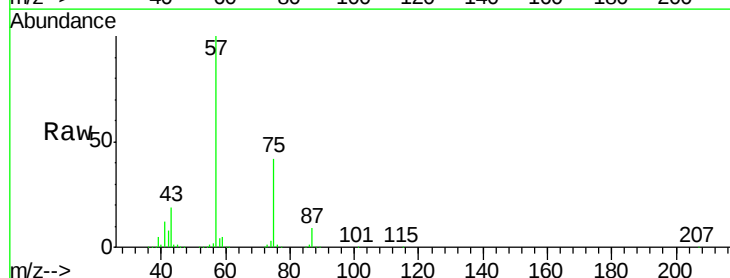
Acq: 15 Jan 2019 14:54

Tgt Ion: 76 Resp: 11440

Ion Ratio Lower Upper

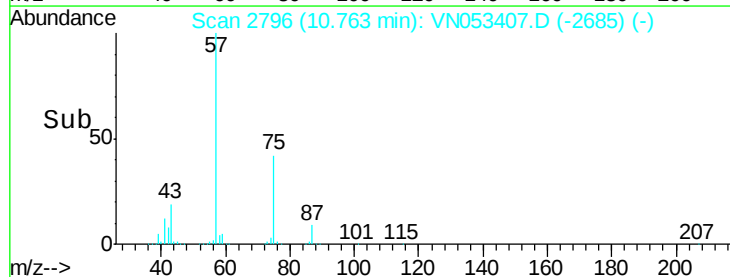
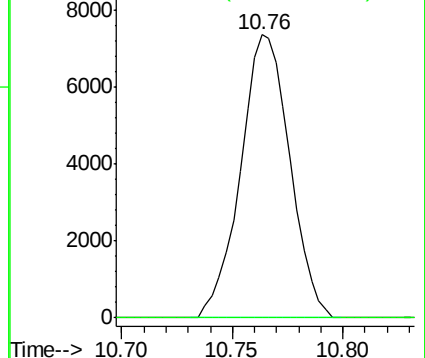
76 100

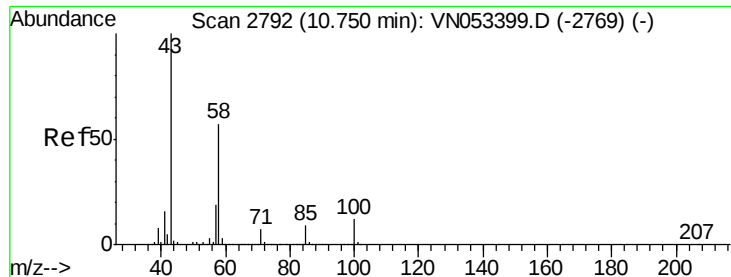
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

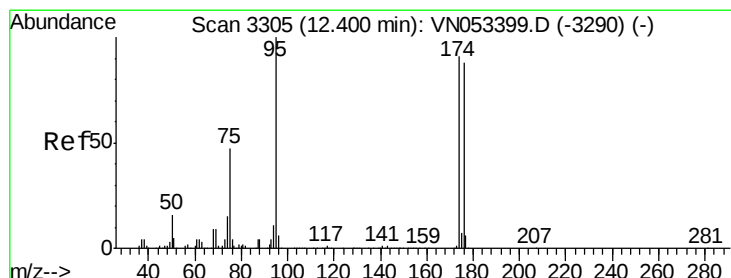
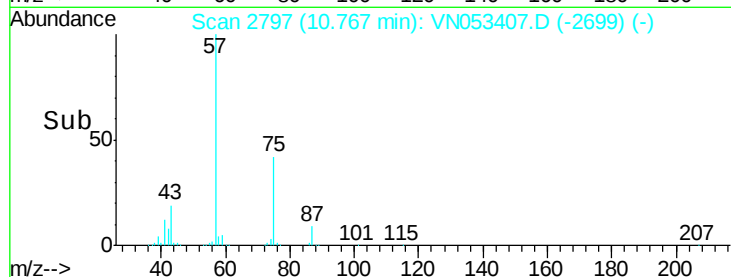
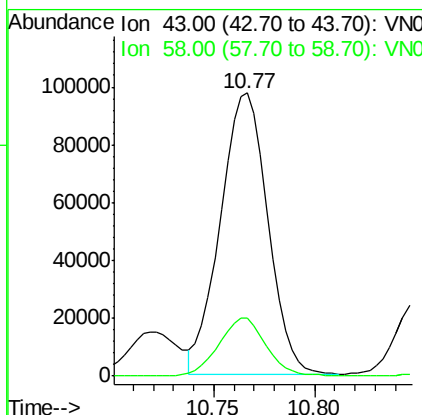
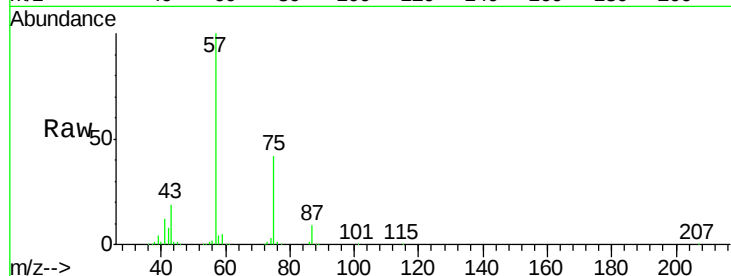




#59
2-Hexanone
Concen: 28.122 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

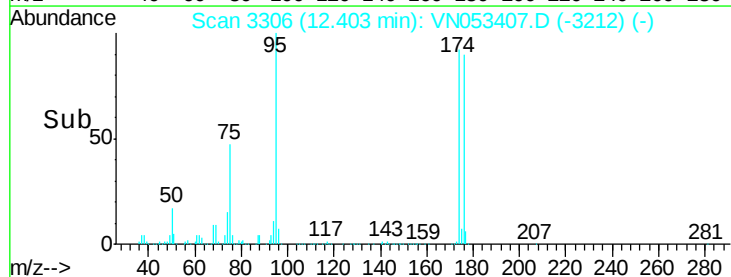
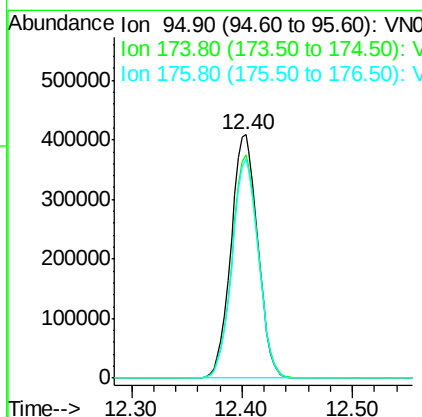
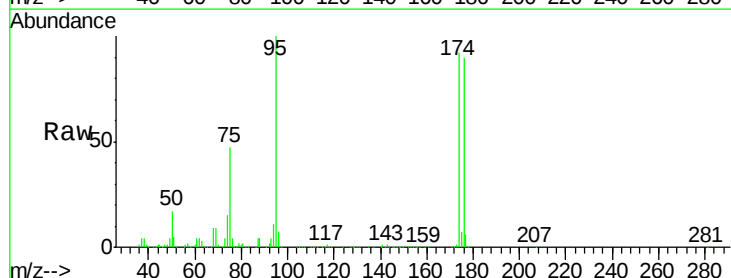
Instrument :
MSVOA_N
ClientSampled :
S-6

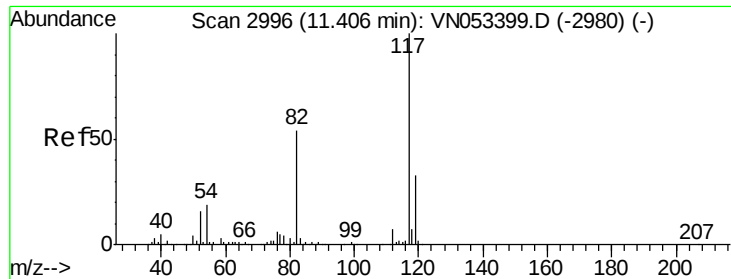
Tot Ion: 43 Resp: 160845
Ion Ratio Lower Upper
43 100
58 20.7 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

Tgt Ion: 95 Resp: 685857
Ion Ratio Lower Upper
95 100
174 91.2 0.0 180.4
176 88.4 0.0 175.6

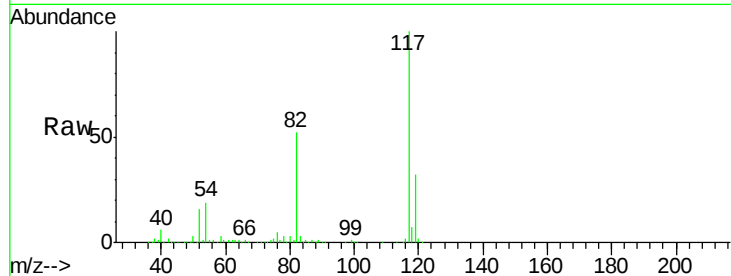




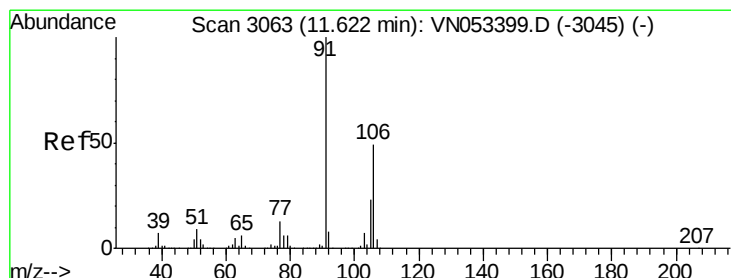
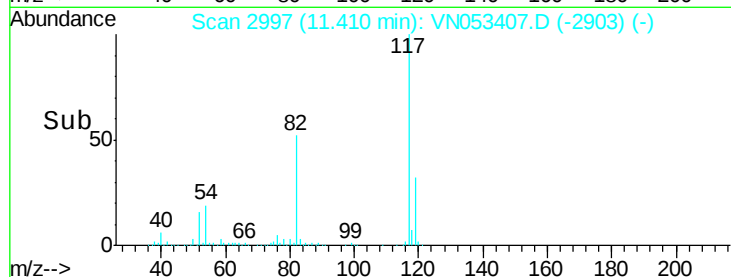
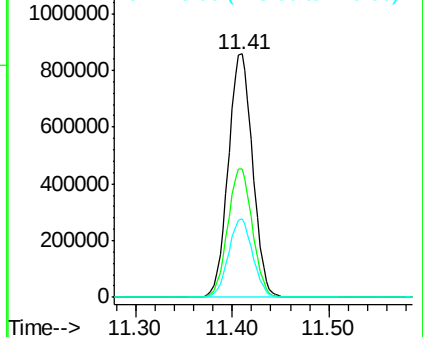
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

Instrument :
MSVOA_N
ClientSampled :
S-6

Tot Ion:117 Resp: 1497353
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 32.1 25.6 38.4

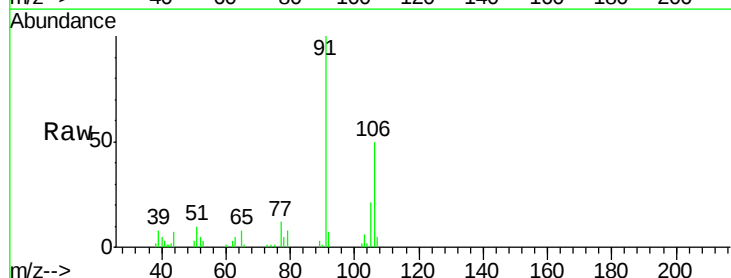


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

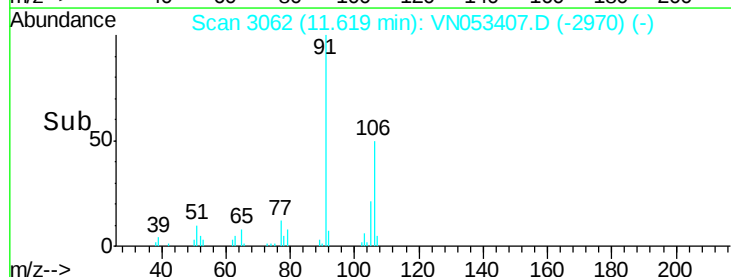
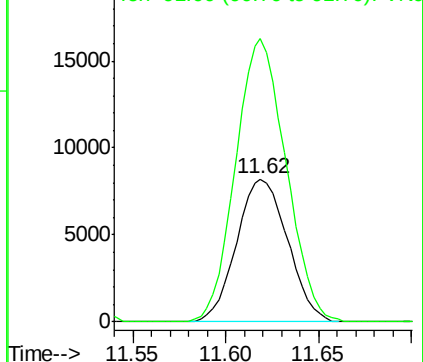


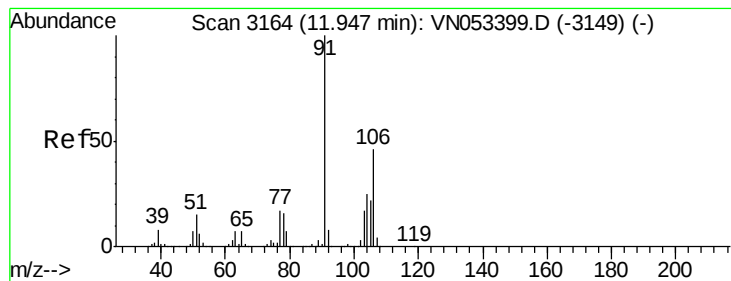
#68
m/p-Xylenes
Concen: 0.769 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053407.D
Acq: 15 Jan 2019 14:54

Tgt Ion:106 Resp: 15675
Ion Ratio Lower Upper
106 100
91 195.7 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#69

o-Xylene

Concen: 0.328 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

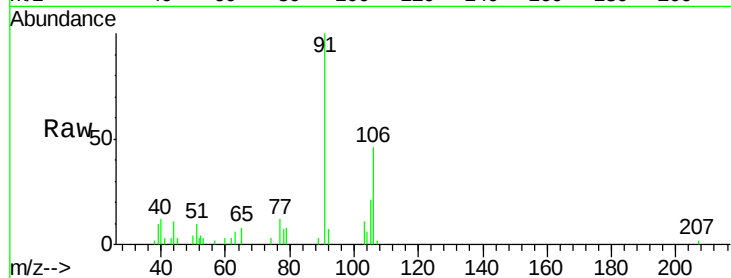
S-6

Tot Ion:106 Resp: 6507

Ion Ratio Lower Upper

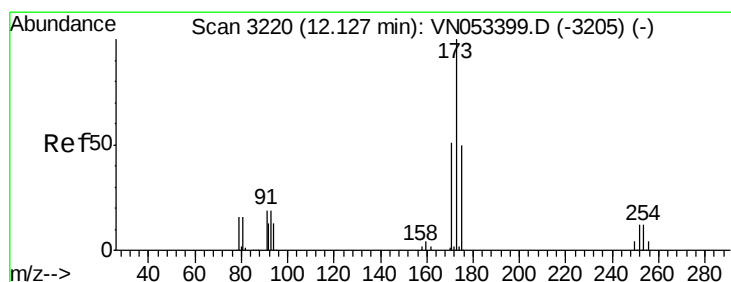
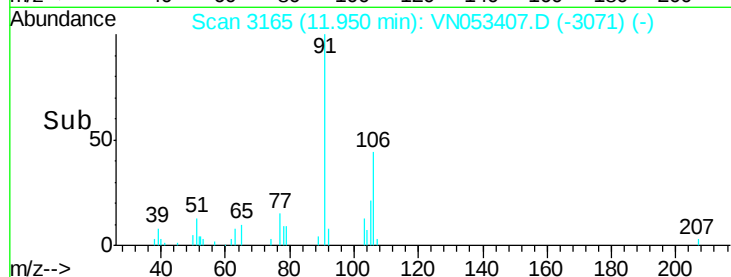
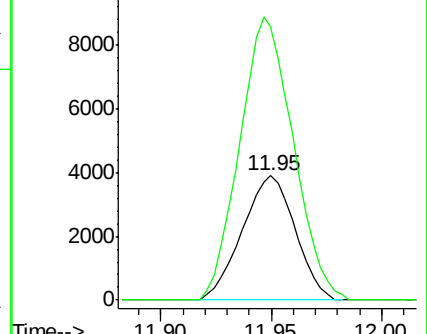
106 100

91 229.9 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.533 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

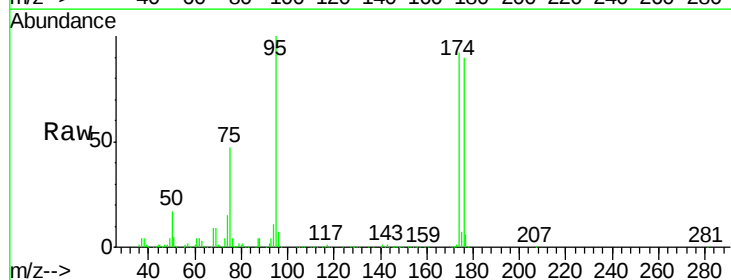
Tgt Ion:173 Resp: 4046

Ion Ratio Lower Upper

173 100

175 967.8 24.3 72.8#

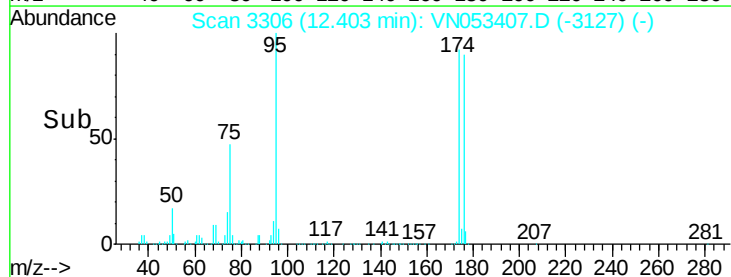
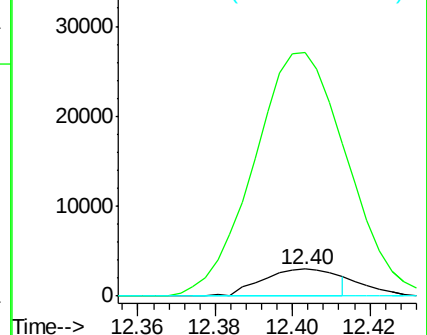
254 0.0 0.2 0.2#

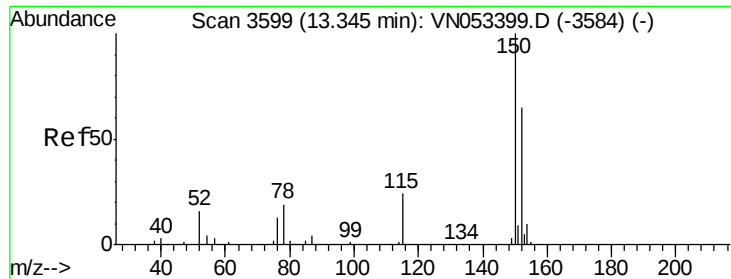


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

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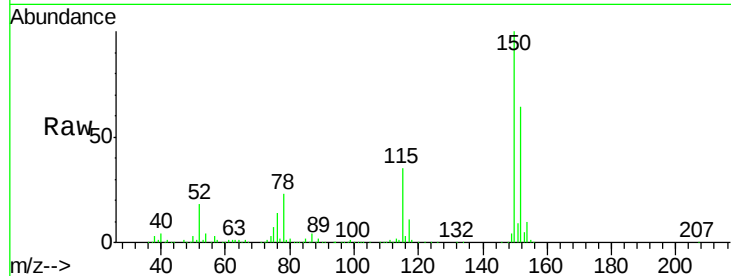
Tot Ion:152 Resp: 646021

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

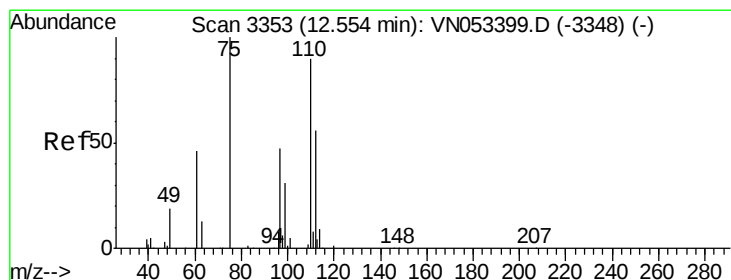
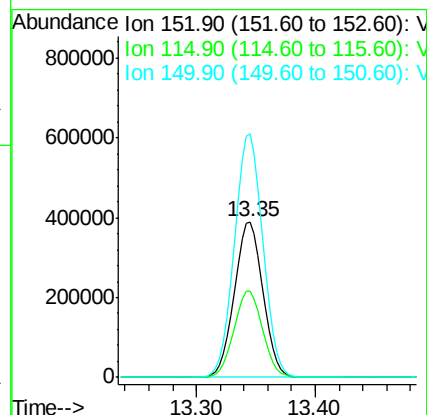
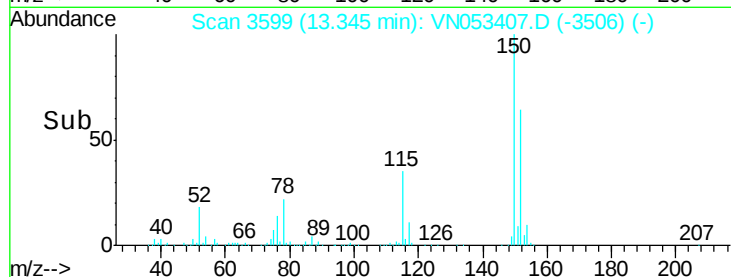
150 156.4 0.0 346.6



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: 39.160 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053407.D

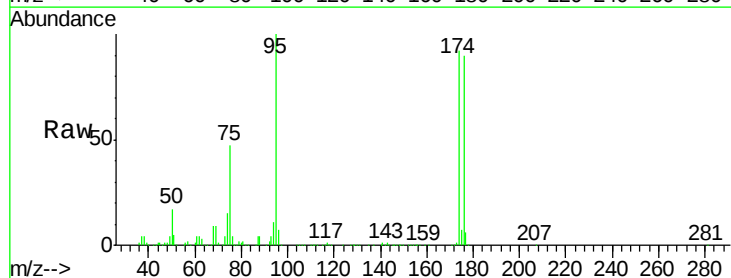
Acq: 15 Jan 2019 14:54

Tgt Ion: 75 Resp: 318518

Ion Ratio Lower Upper

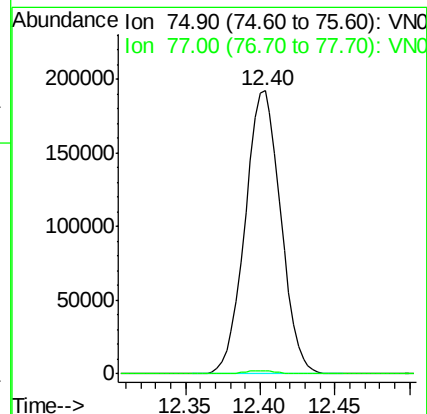
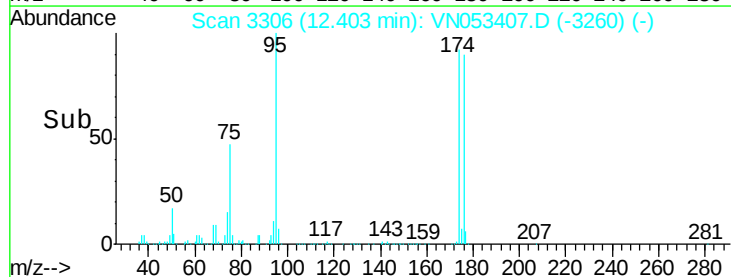
75 100

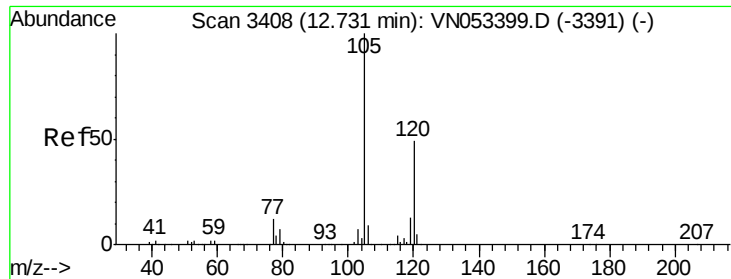
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.287 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

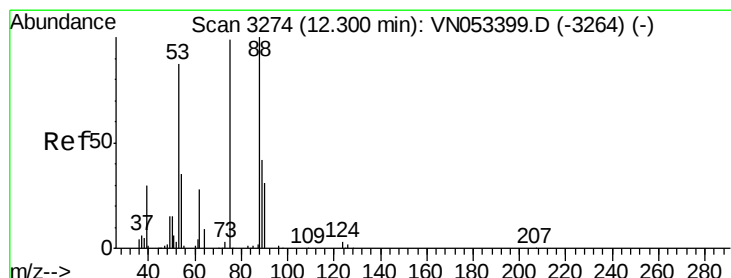
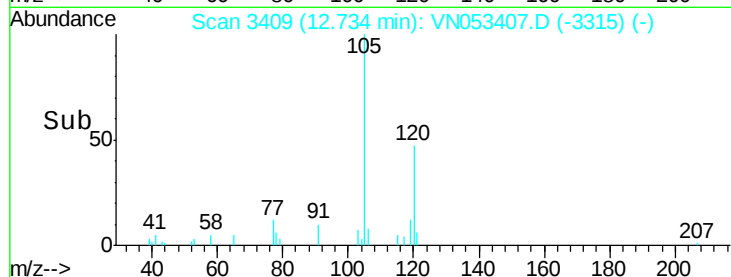
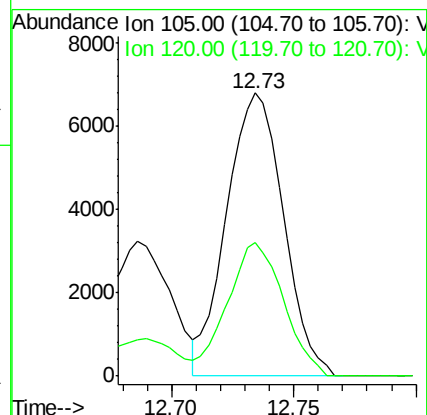
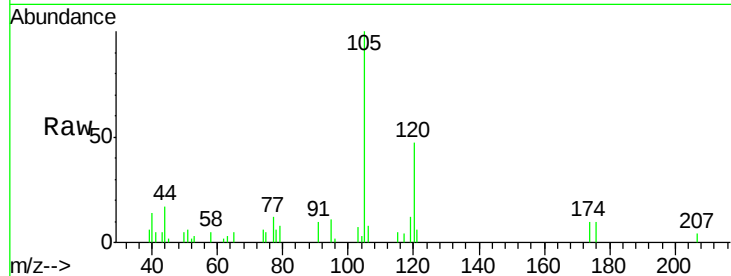
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Tot Ion:105 Resp: 11036

Ion Ratio Lower Upper

105 100

120 46.4 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 92.422 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

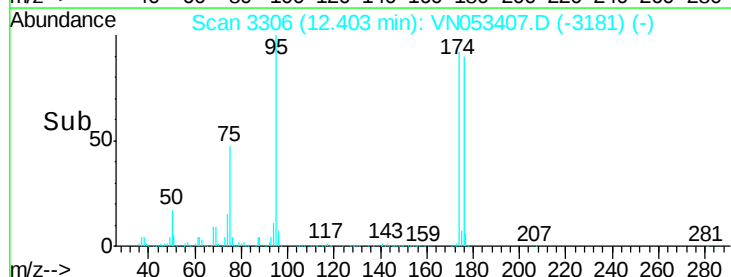
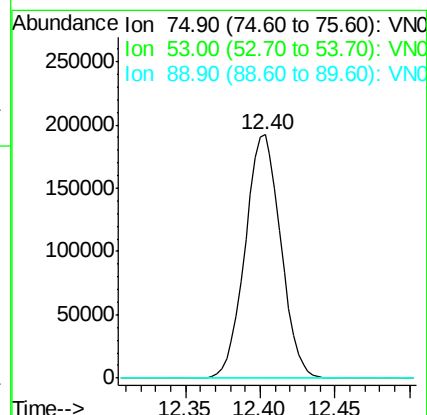
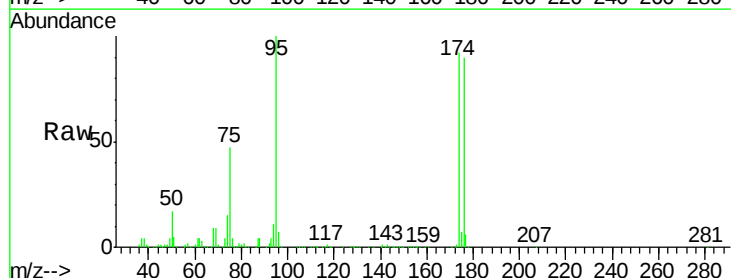
Tgt Ion: 75 Resp: 318518

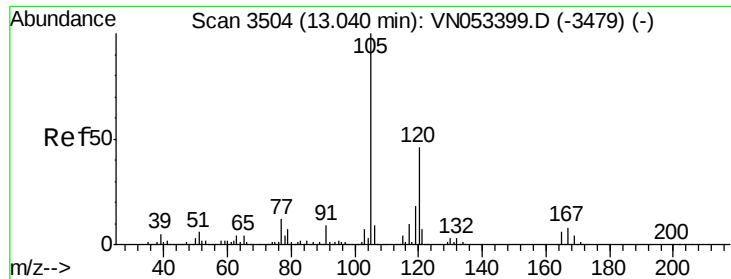
Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.871 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

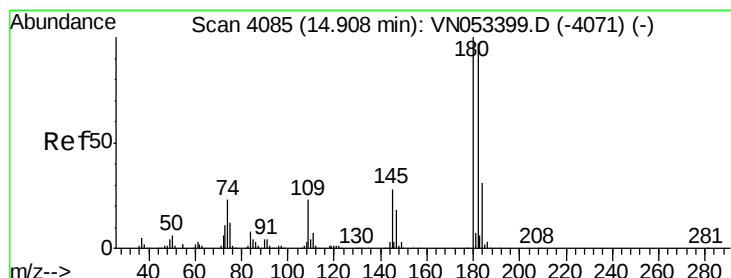
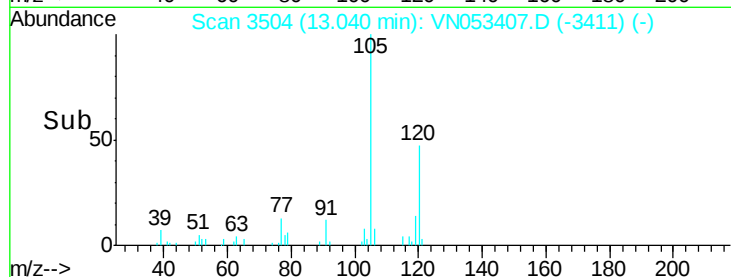
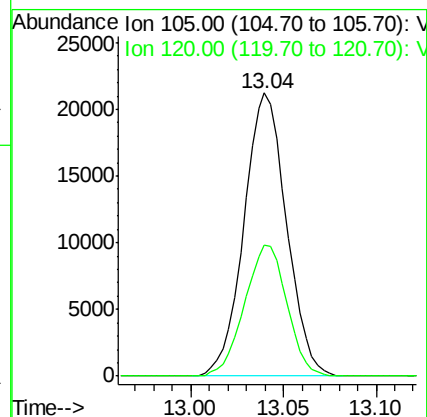
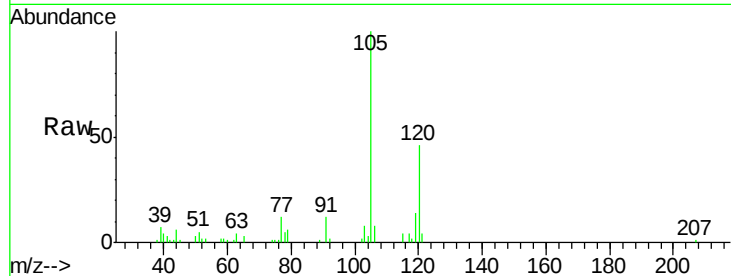
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Tot Ion:105 Resp: 33803

Ion Ratio Lower Upper

105 100

120 45.8 23.0 69.0



#93

1,2,4-Trichlorobenzene

Concen: 2.970 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

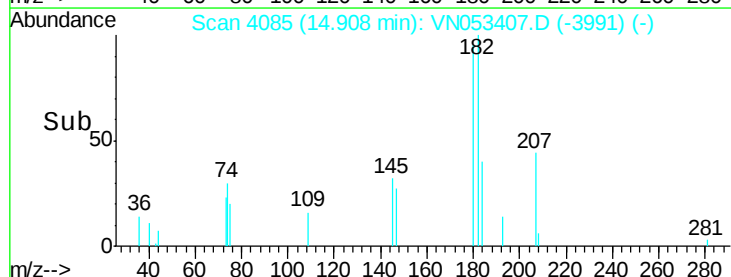
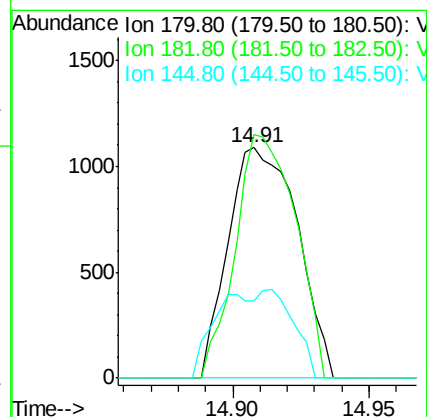
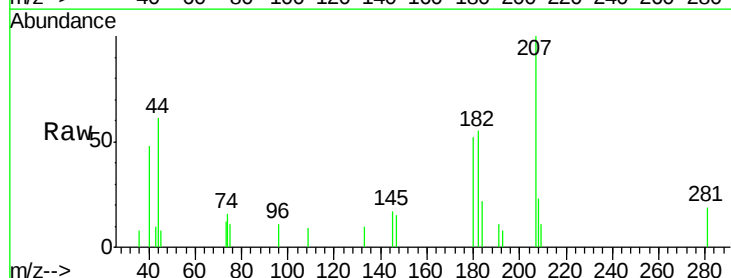
Tgt Ion:180 Resp: 1922

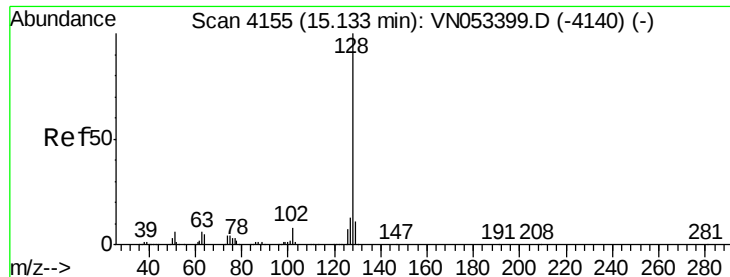
Ion Ratio Lower Upper

180 100

182 91.9 47.8 143.4

145 18.9 14.4 43.0





#95

Naphthalene

Concen: 4.727 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

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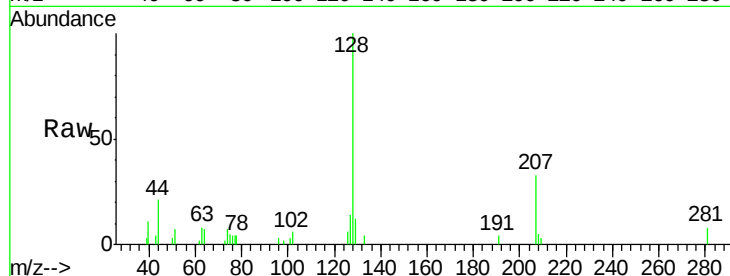
Tot Ion:128 Resp: 13366

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

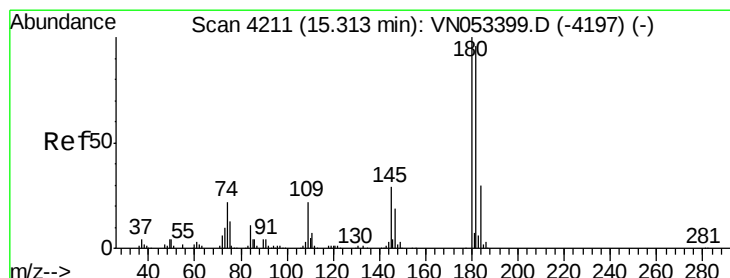
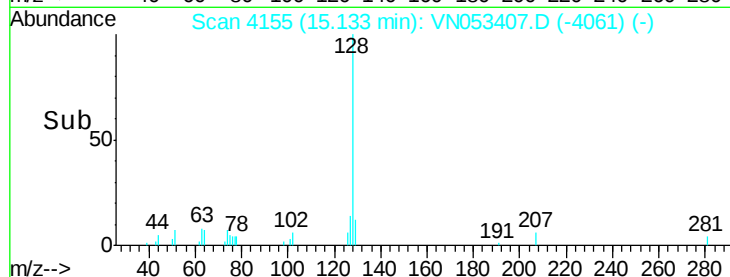
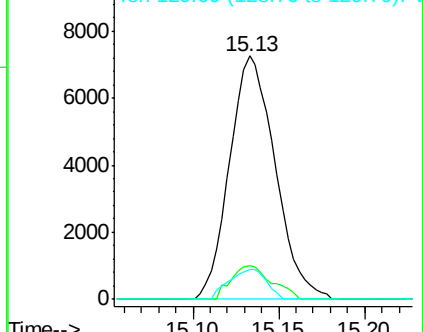
129 10.0 8.7 13.1



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: 4.185 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053407.D

Acq: 15 Jan 2019 14:54

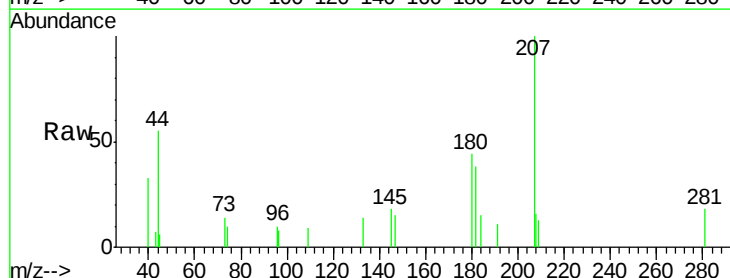
Tgt Ion:180 Resp: 1986

Ion Ratio Lower Upper

180 100

182 90.8 48.4 145.0

145 47.8 14.9 44.5#



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

