

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012022\
 Data File : VN070719.D
 Acq On : 20 Jan 2022 14:47
 Operator : JC/MD
 Sample : PB142137TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142137TB

Quant Time: Jan 21 02:14:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

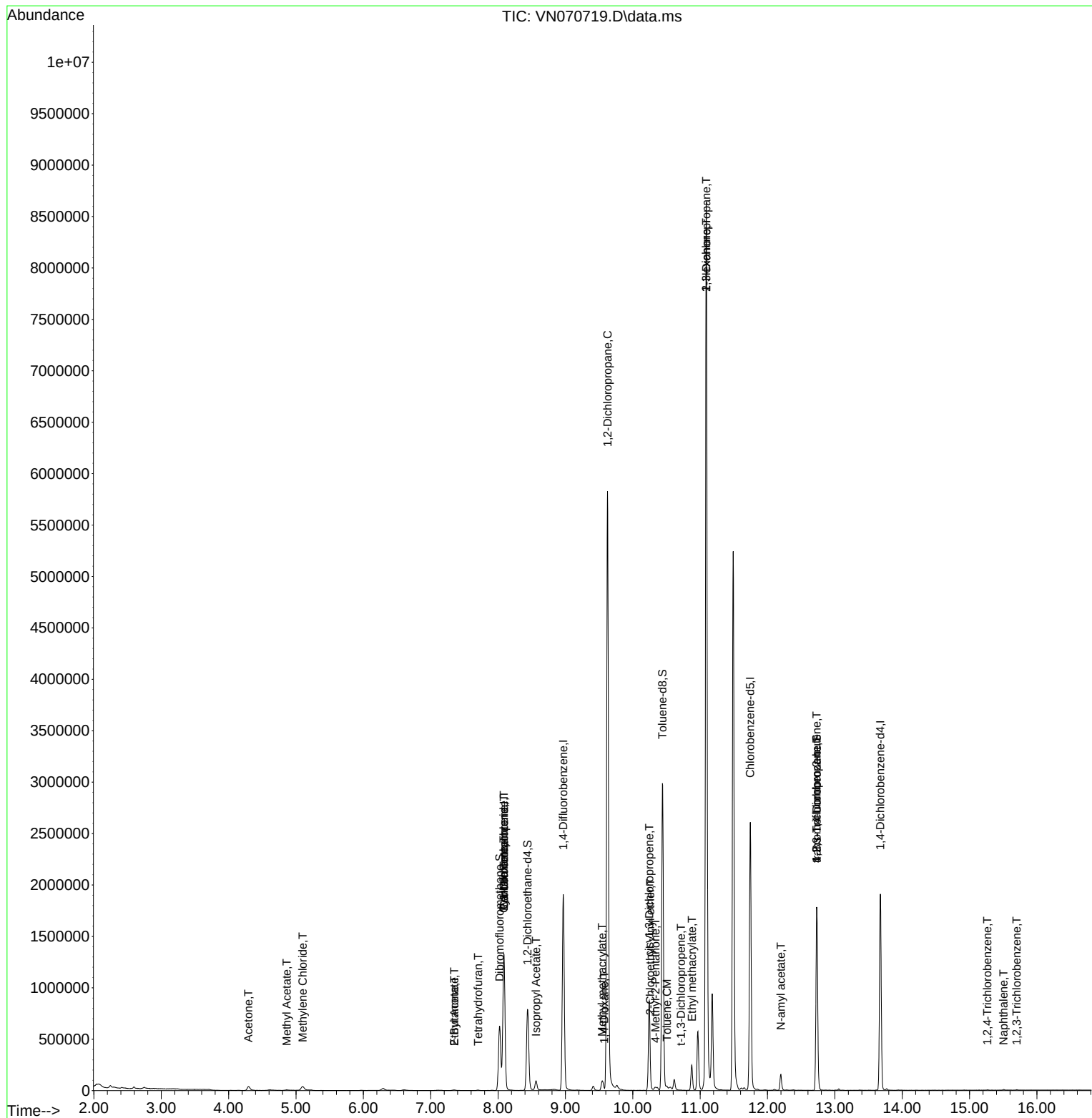
Internal Standards						
1) Pentafluorobenzene	8.088	168	1010298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1625774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1489147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	525275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	679089	46.901	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.800%		
35) Dibromofluoromethane	8.024	113	470191	46.624	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.240%		
50) Toluene-d8	10.440	98	2054780	48.366	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.731	95	667370	44.083	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.160%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	73422	7.306	ug/l	96
18) Methyl Acetate	4.865	43	8844	0.447	ug/l #	61
20) Methylene Chloride	5.101	84	26077	1.970	ug/l	89
25) 2-Butanone	7.351	43	10930	0.864	ug/l	94
29) Tetrahydrofuran	7.705	42	2911	0.376	ug/l #	73
30) Chloroform	7.817	83	25	Below Cal	#	18
31) Cyclohexane	8.083	56	23749	0.931	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	81959	4.828	ug/l #	49
37) Ethyl Acetate	7.351	43	10930	0.485	ug/l #	68
38) Carbon Tetrachloride	8.086	117	100969	6.685	ug/l #	16
43) Isopropyl Acetate	8.563	43	108704	3.158	ug/l #	88
45) 1,2-Dichloropropane	9.625	63	6767	0.473	ug/l #	44
48) Methyl methacrylate	9.545	41	27703	1.689	ug/l #	8
49) 1,4-Dioxane	9.577	88	59	0.239	ug/l #	27
51) 4-Methyl-2-Pentanone	10.336	43	14658	0.667	ug/l #	81
52) Toluene	10.508	92	10333	0.328	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	135	2.410	ug/l #	11
54) cis-1,3-Dichloropropene	10.245	75	148789	7.293	ug/l #	62
56) Ethyl methacrylate	10.878	69	1178	2.350	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	90000	4.113	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.261	63	52	21.245	ug/l #	45
59) 2-Hexanone	11.089	43	1489127	93.313	ug/l #	49
74) N-amyl acetate	12.197	43	58402	2.874	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	350588	25.165	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	350588	74.970	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1294	3.549	ug/l	93
95) Naphthalene	15.504	128	6114	5.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	1438	3.361	ug/l	93

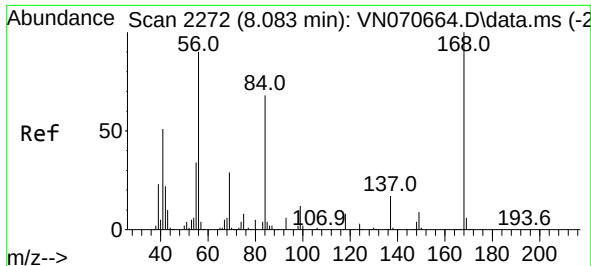
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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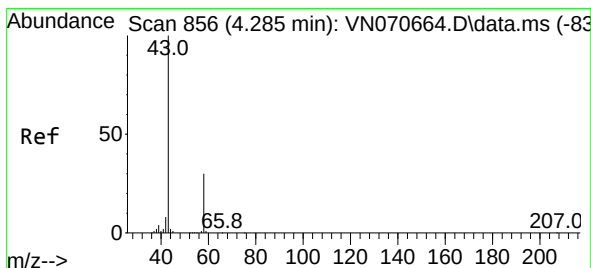
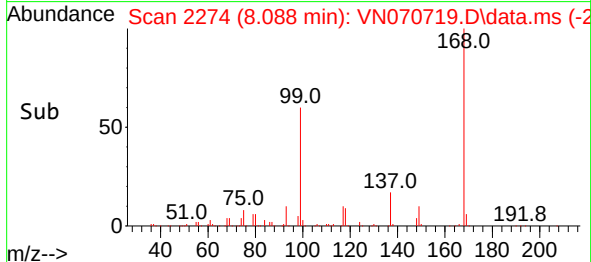
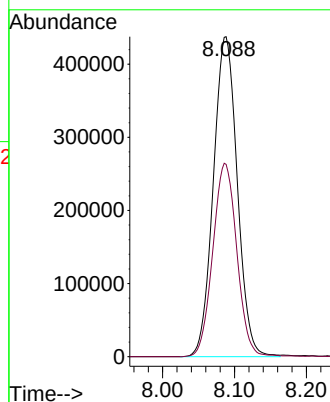
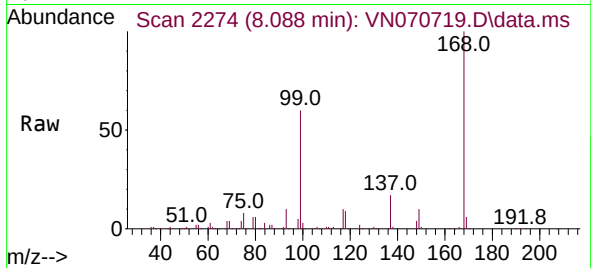




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

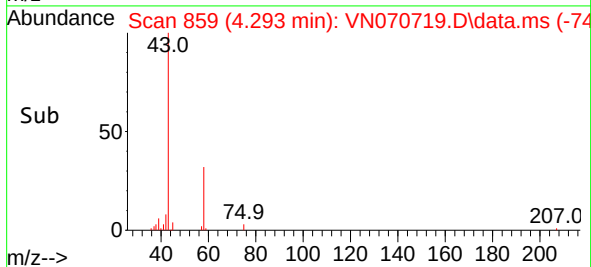
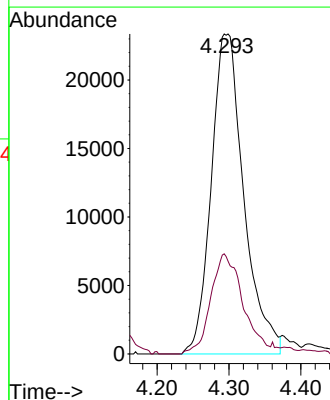
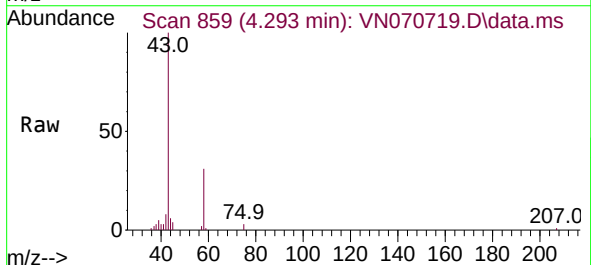
Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

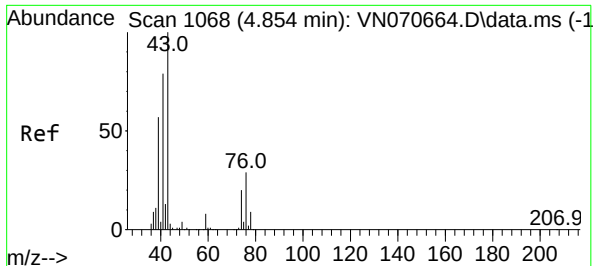
Tgt Ion:168 Resp: 1010298
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#16
Acetone
Concen: 7.306 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 43 Resp: 73422
Ion Ratio Lower Upper
43 100
58 31.3 23.1 34.7





#18

Methyl Acetate

Concen: 0.447 ug/l

RT: 4.865 min Scan# 1160

Delta R.T. 0.011 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

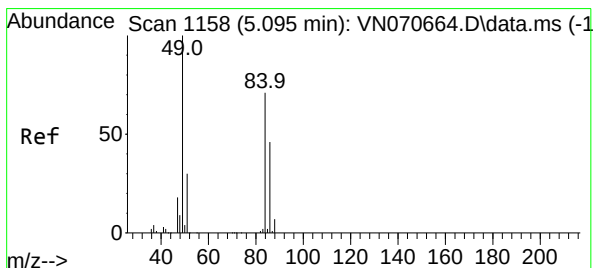
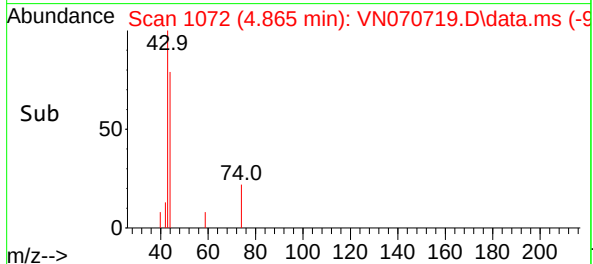
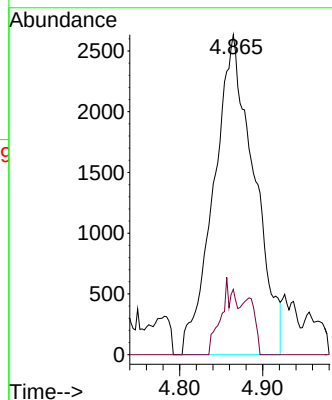
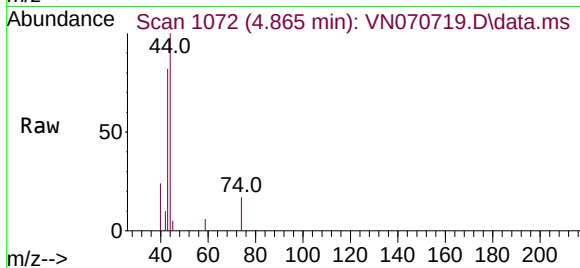
PB142137TB

Tgt Ion: 43 Resp: 8844

Ion Ratio Lower Upper

43 100

74 5.1 19.4 29.2#



#20

Methylene Chloride

Concen: 1.970 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

Tgt Ion: 84 Resp: 26077

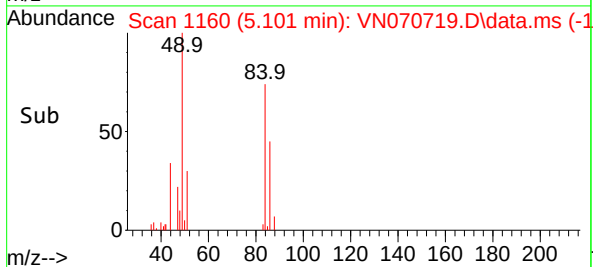
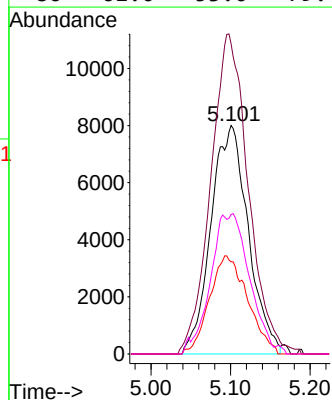
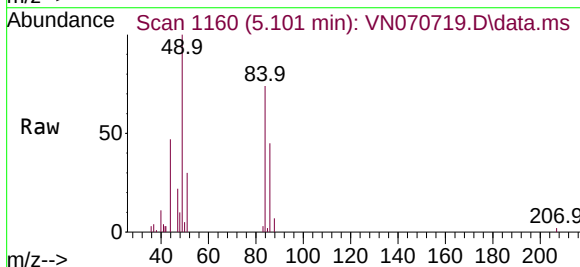
Ion Ratio Lower Upper

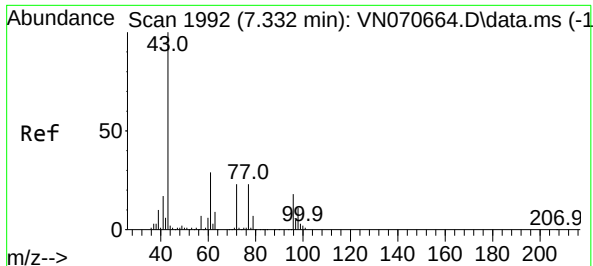
84 100

49 133.7 93.5 140.3

51 40.3 29.4 44.2

86 61.0 53.0 79.4





#25

2-Butanone

Concen: 0.864 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.019 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

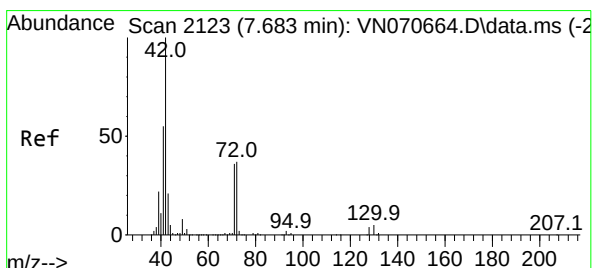
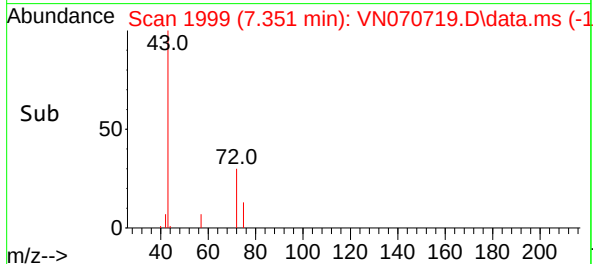
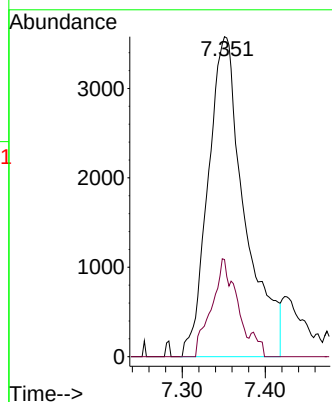
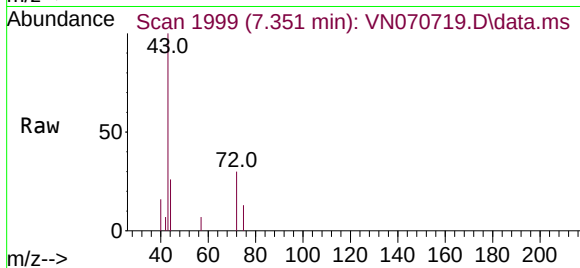
PB142137TB

Tgt Ion: 43 Resp: 10930

Ion Ratio Lower Upper

43 100

72 30.4 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.376 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.022 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

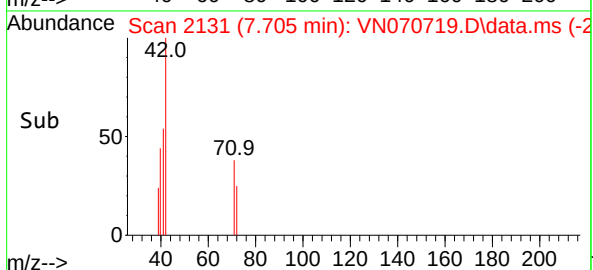
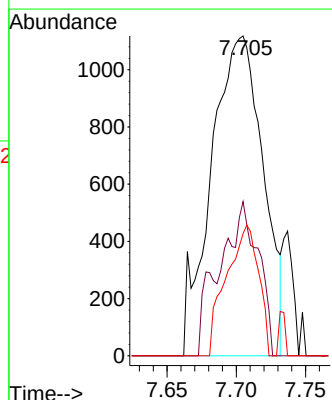
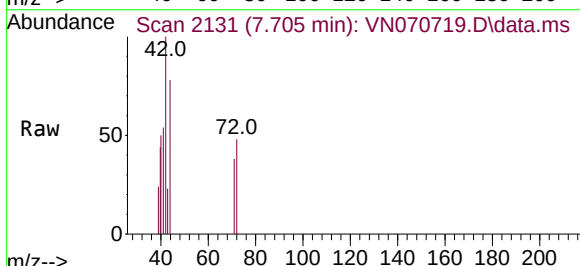
Tgt Ion: 42 Resp: 2911

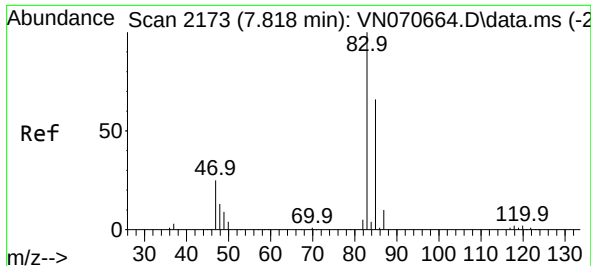
Ion Ratio Lower Upper

42 100

72 28.9 36.3 54.5#

71 25.4 34.7 52.1#

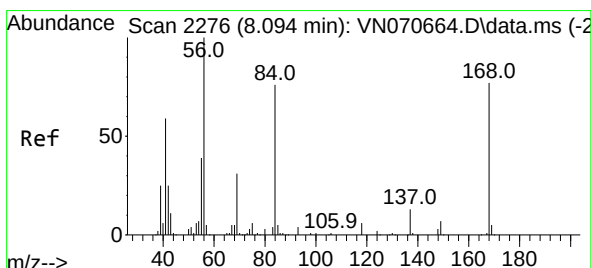
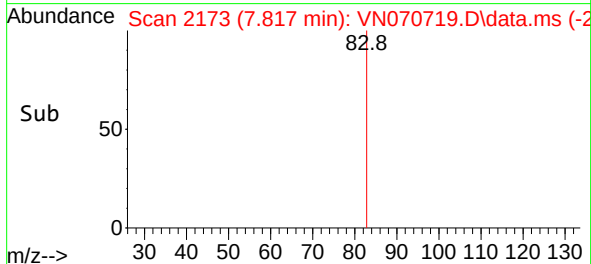
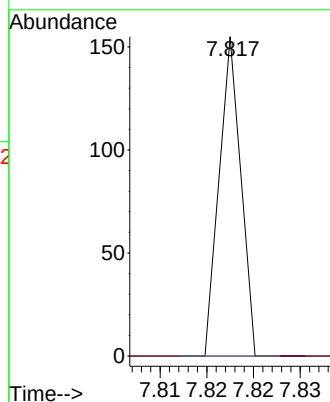
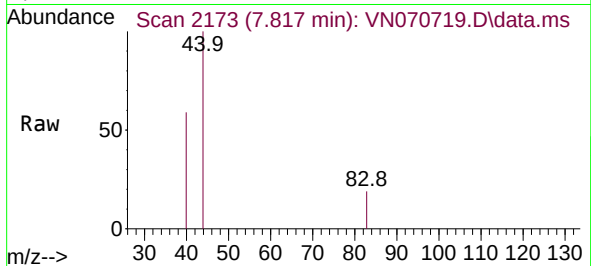




#30
Chloroform
Concen: Below Cal
RT: 7.817 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

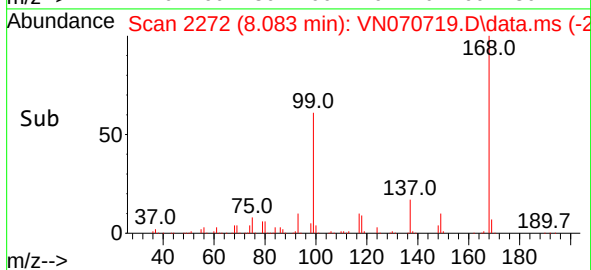
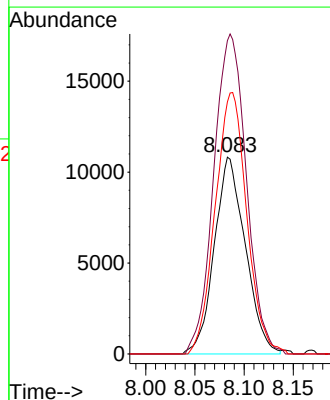
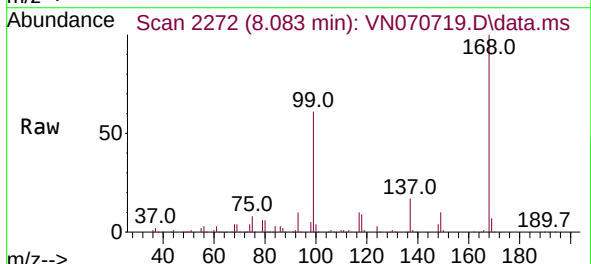
Instrument :
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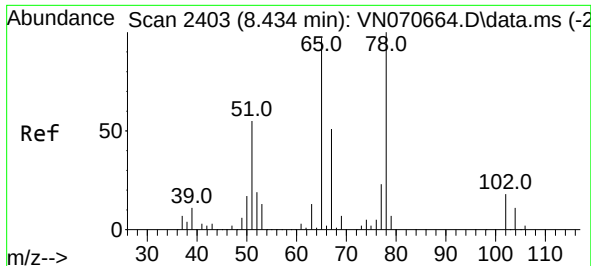
Tgt Ion: 83 Resp: 25
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.931 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 56 Resp: 23749
Ion Ratio Lower Upper
56 100
69 159.2 27.1 40.7#
84 128.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.901 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

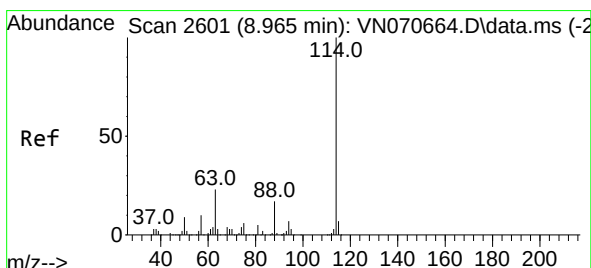
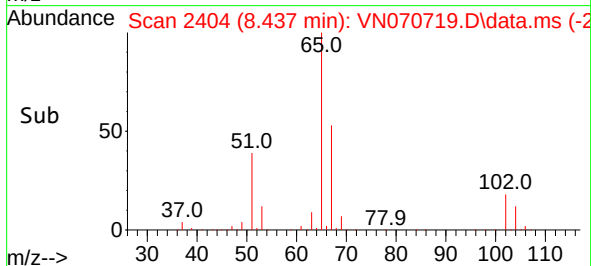
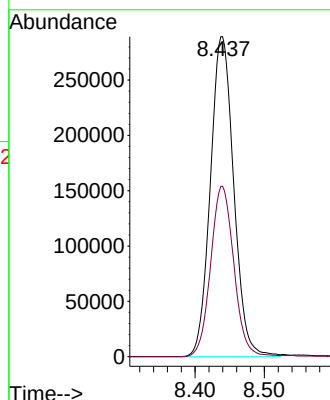
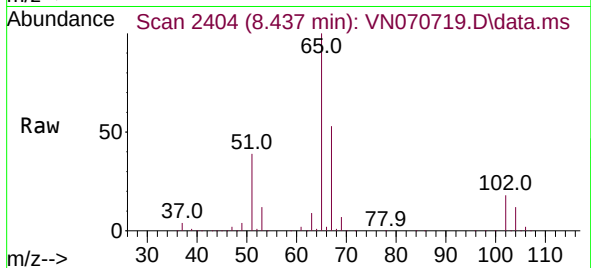
PB142137TB

Tgt Ion: 65 Resp: 679089

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

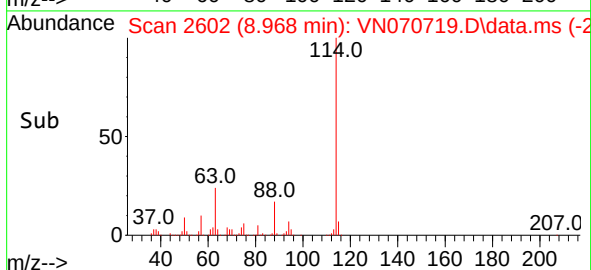
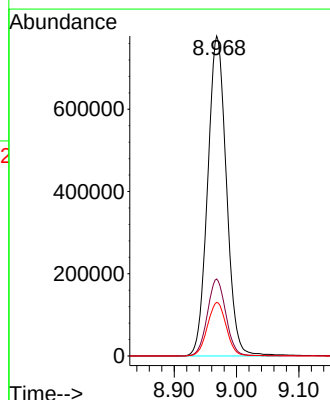
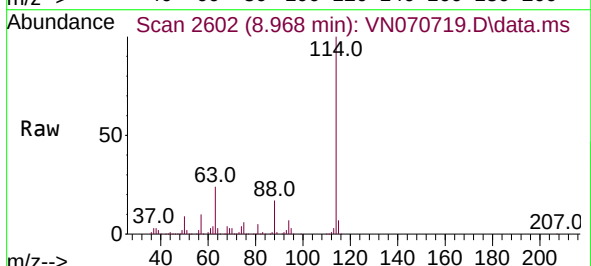
Tgt Ion: 114 Resp: 1625774

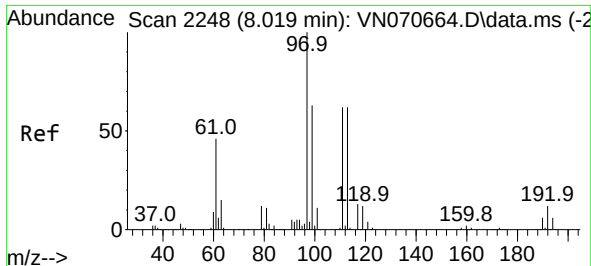
Ion Ratio Lower Upper

114 100

63 24.1 0.0 37.8

88 16.8 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.624 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

PB142137TB

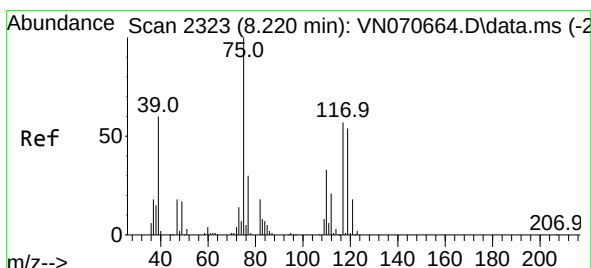
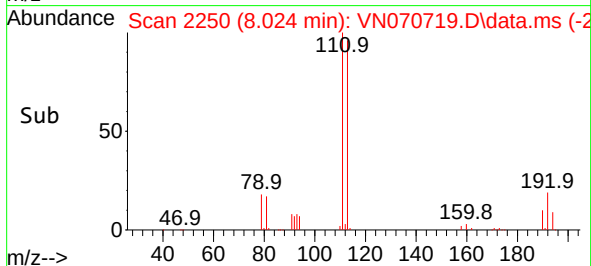
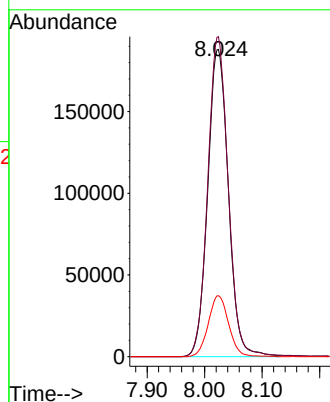
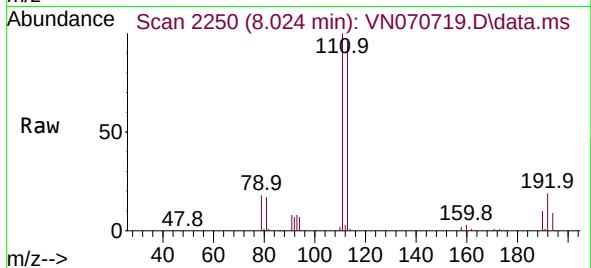
Tgt Ion:113 Resp: 470191

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.828 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

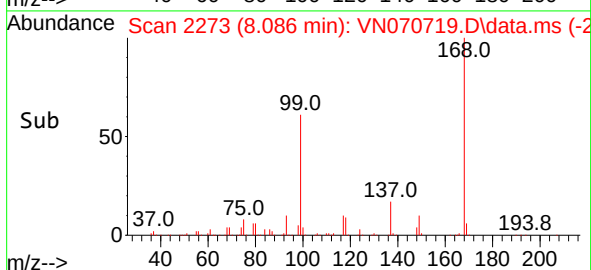
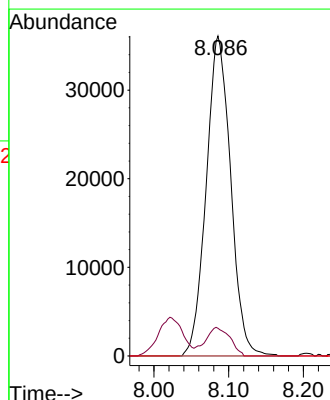
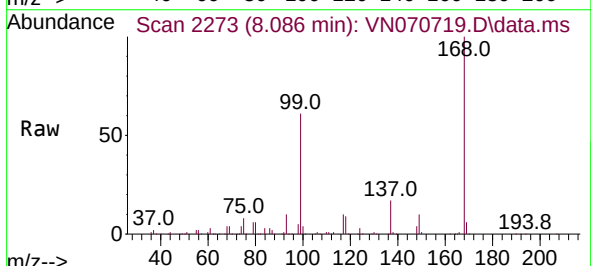
Tgt Ion: 75 Resp: 81959

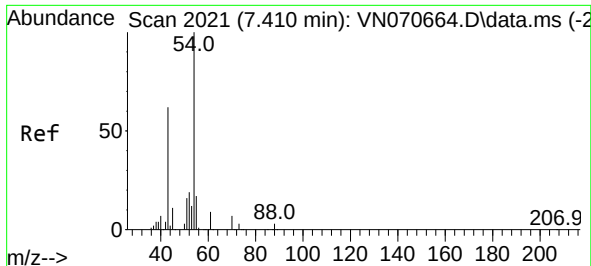
Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.485 ug/l

RT: 7.351 min Scan# 19

Delta R.T. -0.059 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

PB142137TB

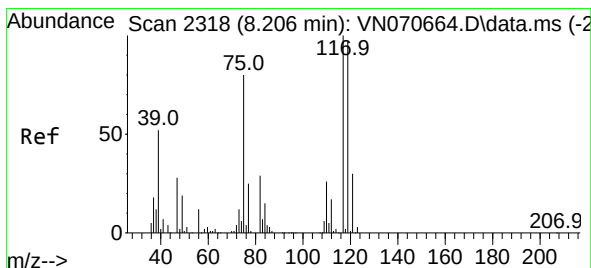
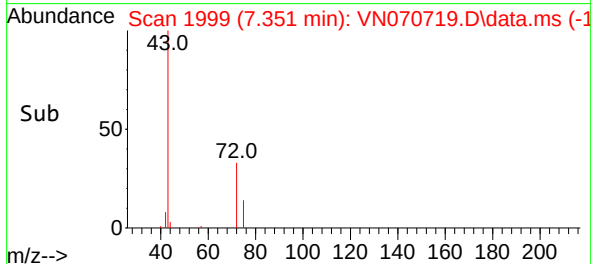
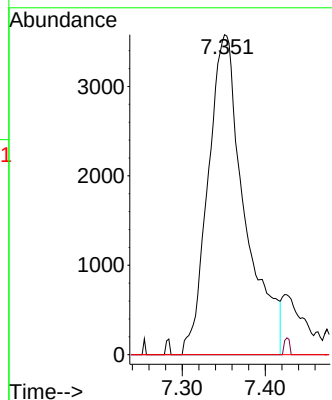
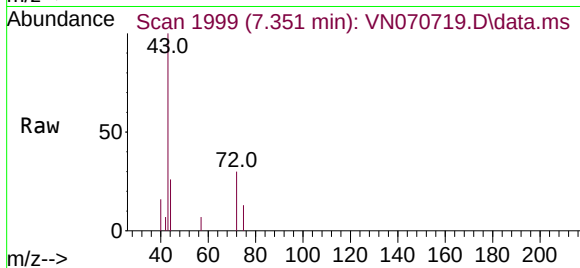
Tgt Ion: 43 Resp: 10930

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.685 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070719.D

Acq: 20 Jan 2022 14:47

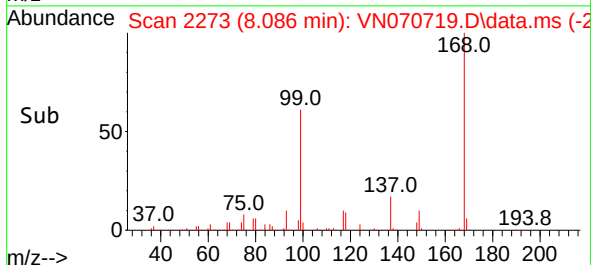
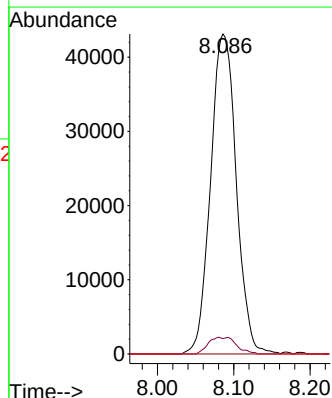
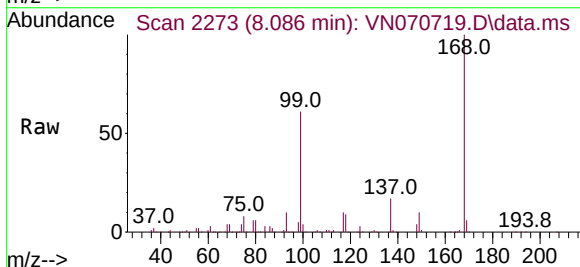
Tgt Ion: 117 Resp: 100969

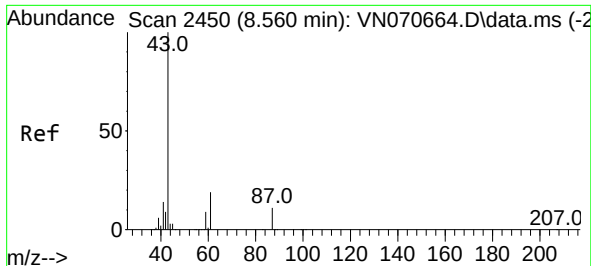
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.2 36.2#

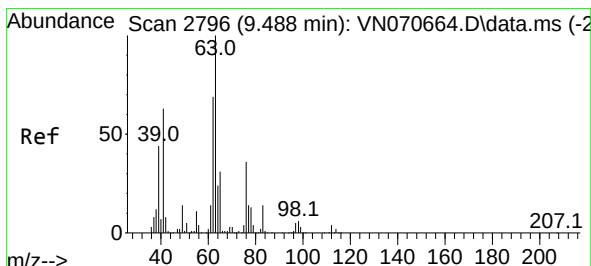
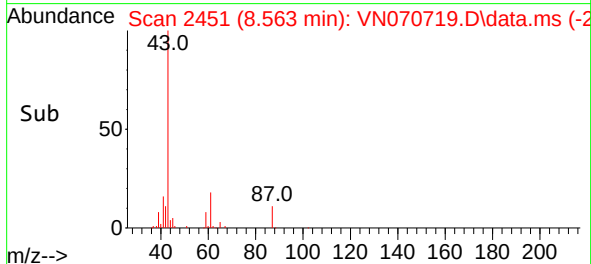
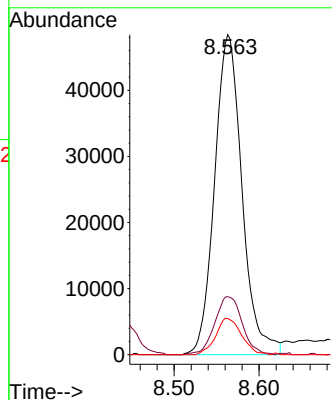
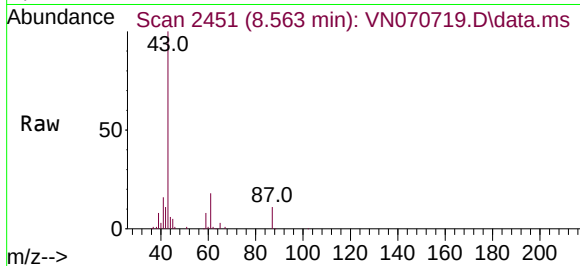




#43
Isopropyl Acetate
Concen: 3.158 ug/l
RT: 8.563 min Scan# 2450
Delta R.T. 0.003 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

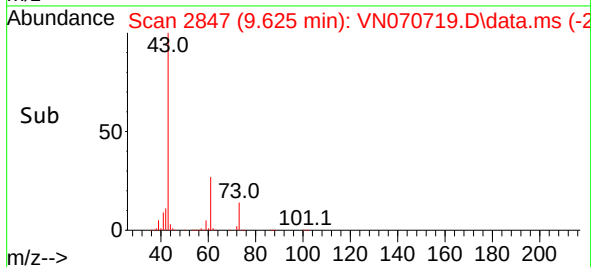
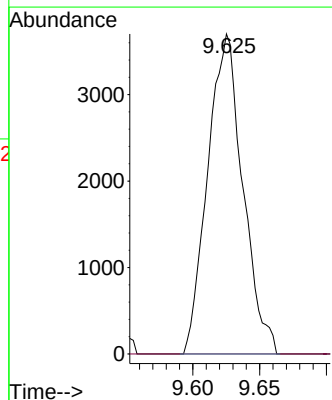
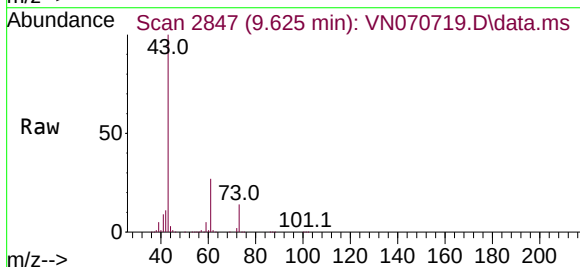
Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

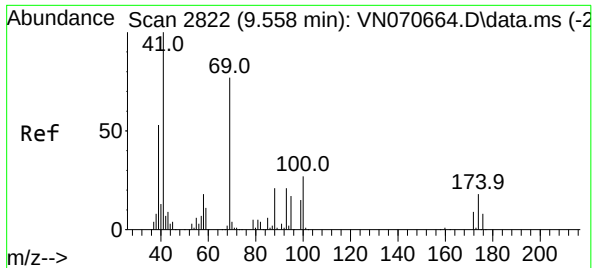
Tgt Ion: 43 Resp: 108704
Ion Ratio Lower Upper
43 100
61 18.2 20.4 30.6#
87 10.7 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.473 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.137 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 63 Resp: 6767
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

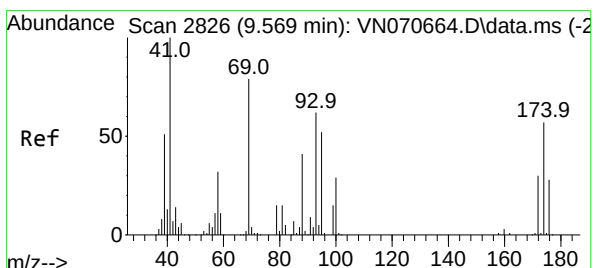
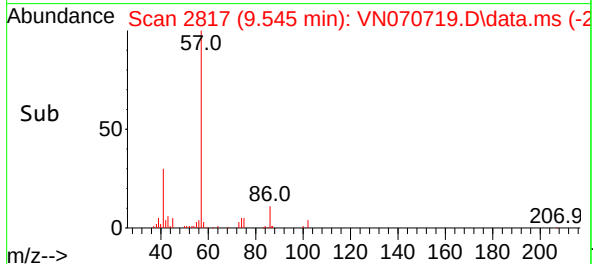
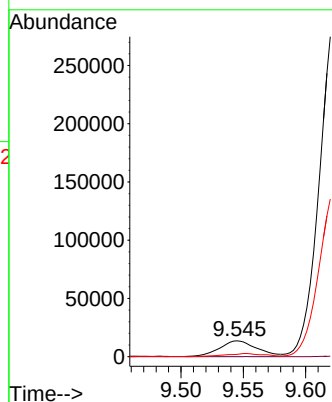
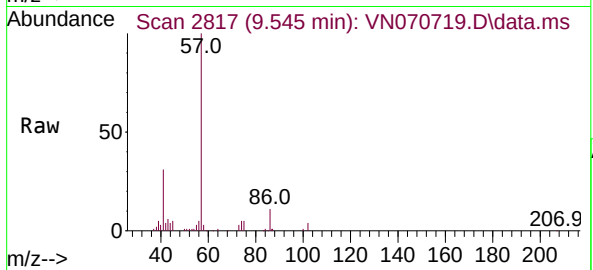




#48
Methyl methacrylate
Concen: 1.689 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.013 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

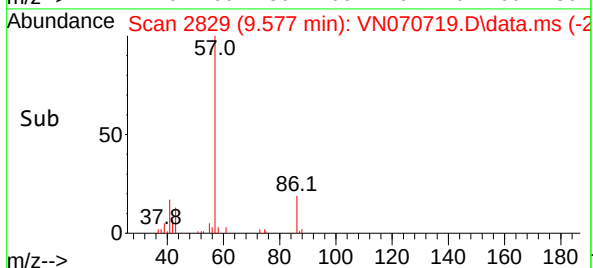
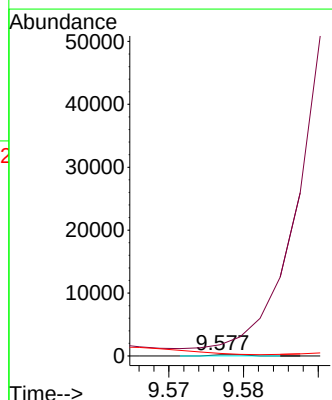
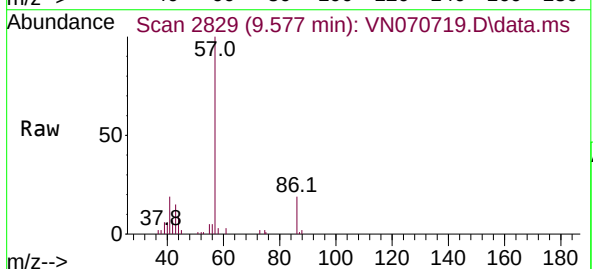
Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

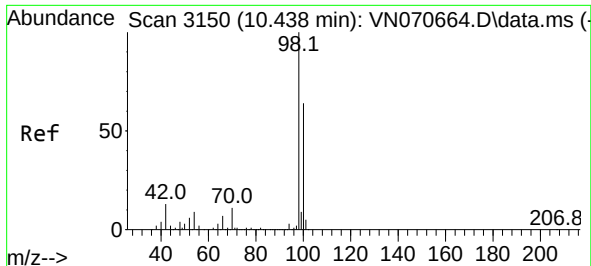
Tgt Ion: 41 Resp: 27703
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.239 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.008 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

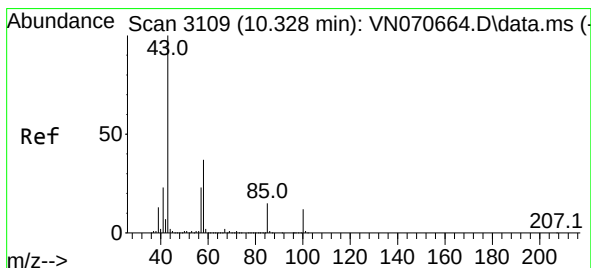
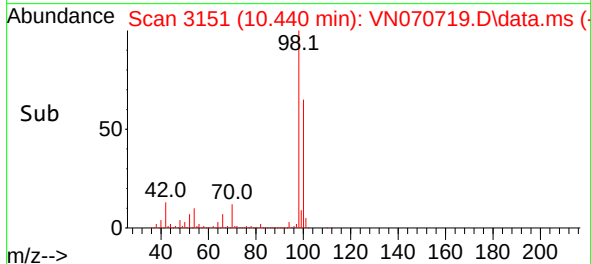
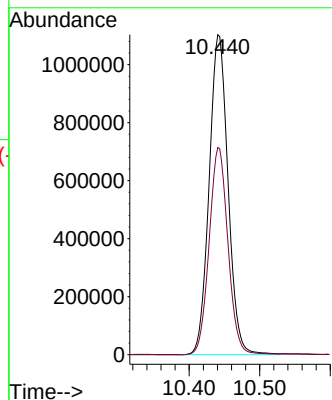
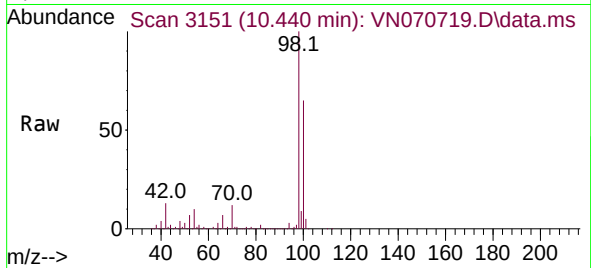




#50
Toluene-d8
Concen: 48.366 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

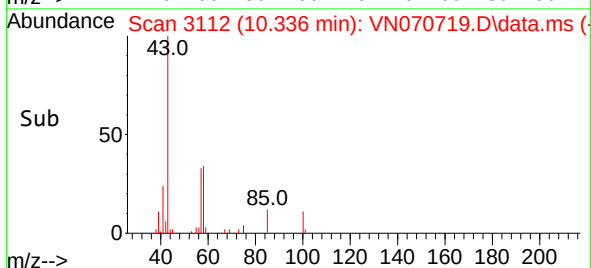
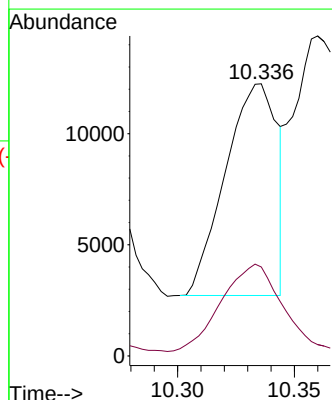
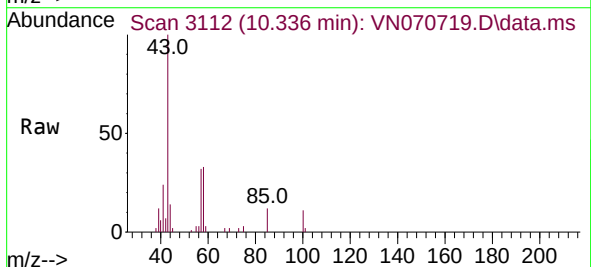
Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

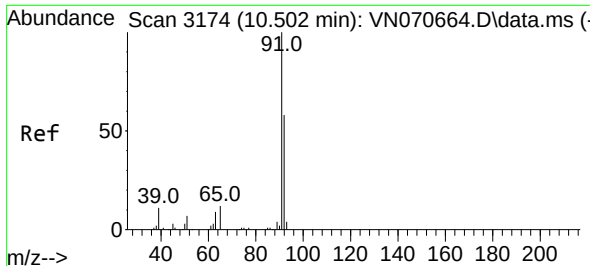
Tgt Ion: 98 Resp: 2054780
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.667 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.008 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 43 Resp: 14658
Ion Ratio Lower Upper
43 100
58 49.4 30.4 45.6#

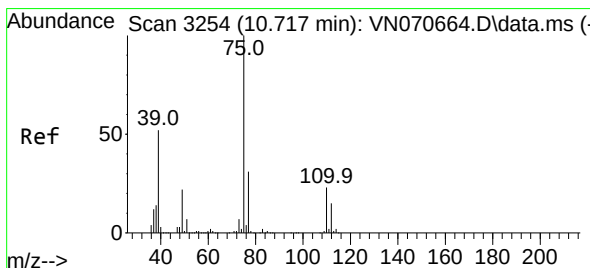
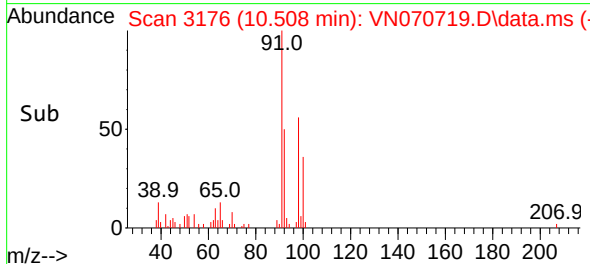
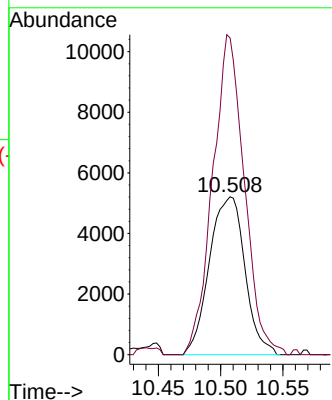
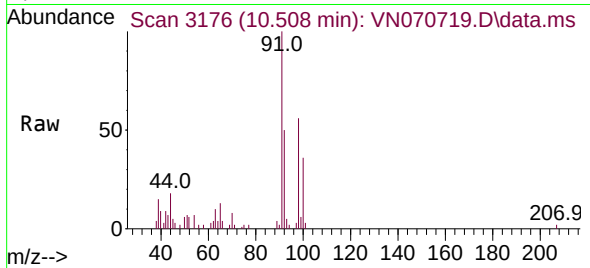




#52
Toluene
Concen: 0.328 ug/l
RT: 10.508 min Scan# 3174
Delta R.T. 0.005 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

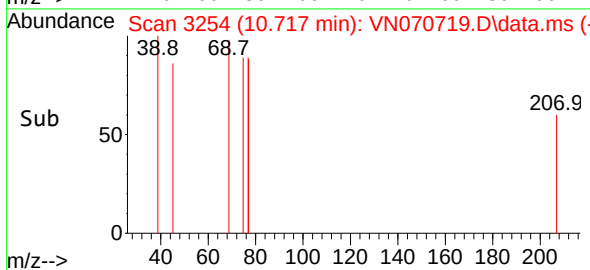
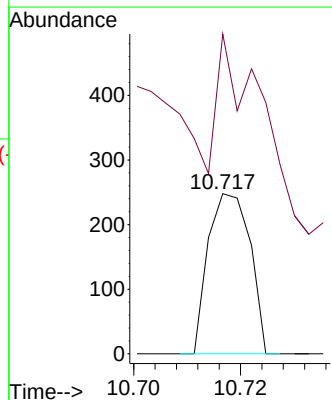
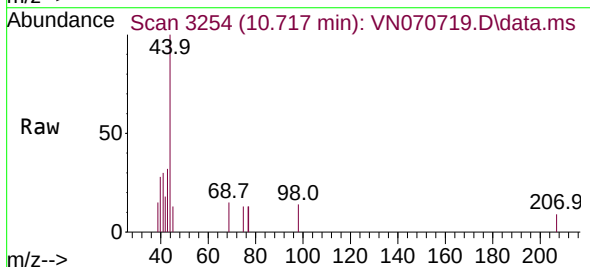
Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

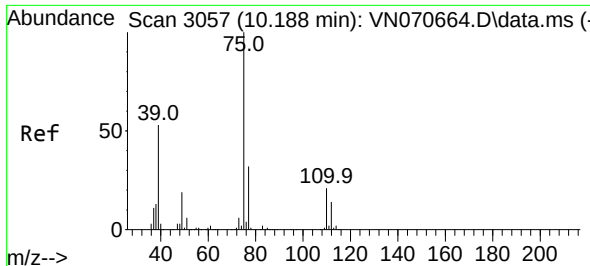
Tgt Ion: 92 Resp: 10333
Ion Ratio Lower Upper
92 100
91 180.7 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 2.410 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.000 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 75 Resp: 135
Ion Ratio Lower Upper
75 100
77 81.9 25.6 38.4#

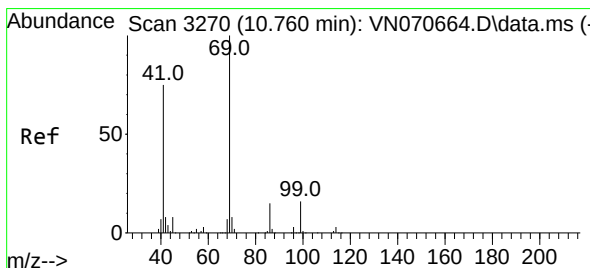
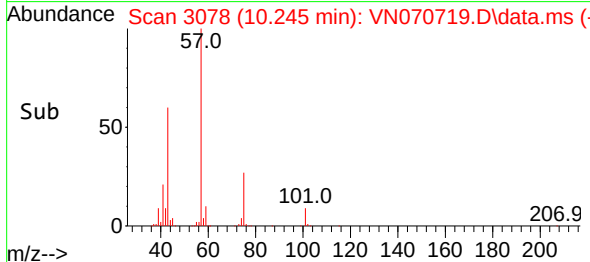
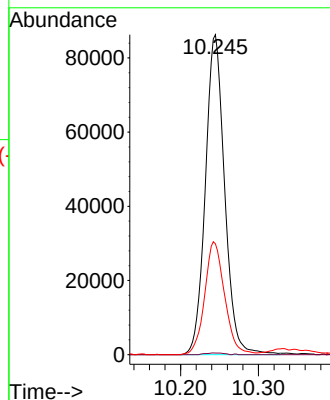
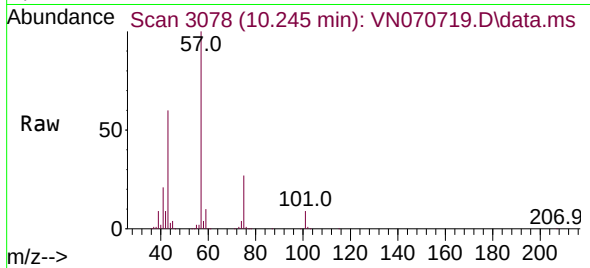




#54
cis-1,3-Dichloropropene
Concen: 7.293 ug/l
RT: 10.245 min Scan# 3057
Delta R.T. 0.057 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

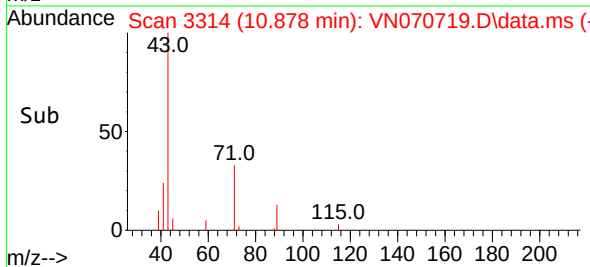
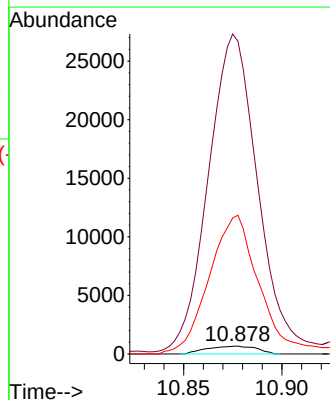
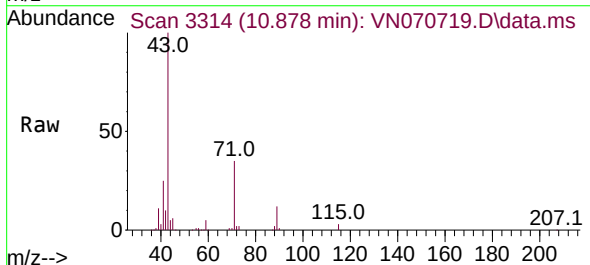
Instrument :
MSVOA_N
ClientSampleId :
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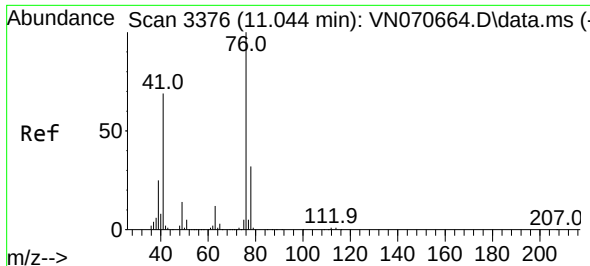
Tgt Ion: 75 Resp: 148789
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 34.7 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.350 ug/l
RT: 10.878 min Scan# 3314
Delta R.T. 0.118 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 69 Resp: 1178
Ion Ratio Lower Upper
69 100
41 4009.8 51.4 77.0#
39 1788.7 34.6 52.0#

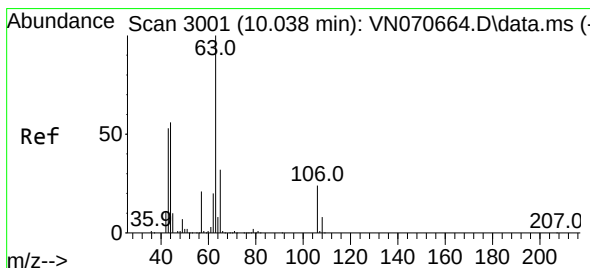
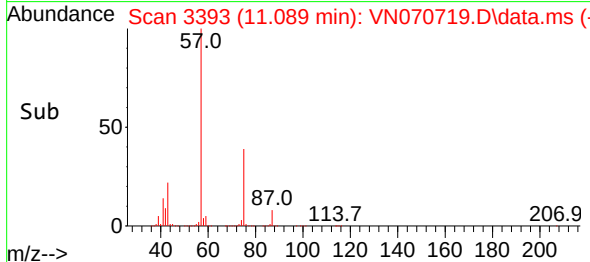
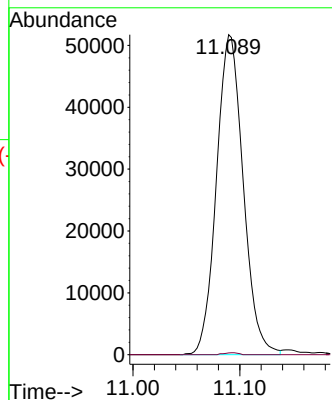
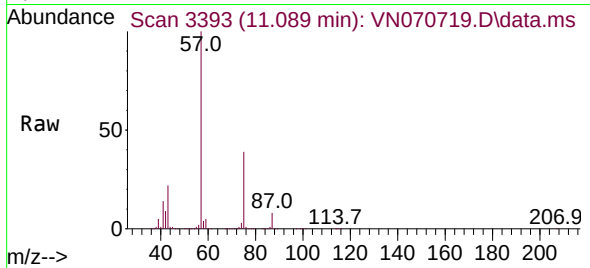




#57
1,3-Dichloropropane
Concen: 4.113 ug/l
RT: 11.089 min Scan# 311
Delta R.T. 0.045 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

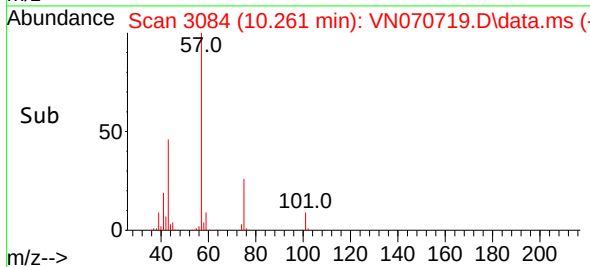
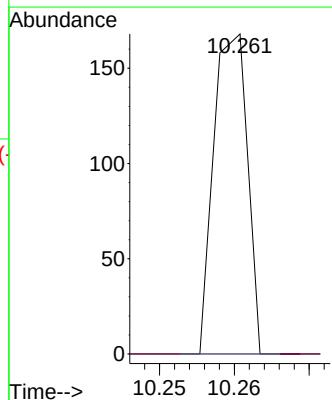
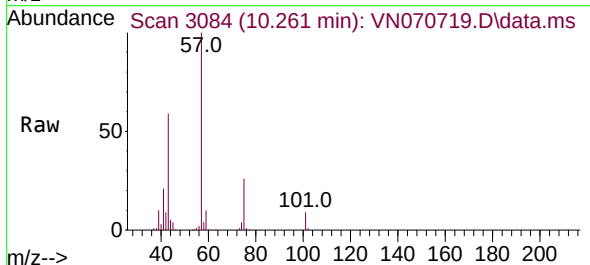
Instrument :
MSVOA_N
ClientSampleId :
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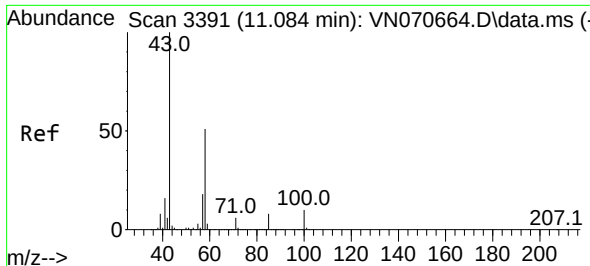
Tgt Ion: 76 Resp: 90000
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#58
2-Chloroethyl Vinyl ether
Concen: 21.245 ug/l
RT: 10.261 min Scan# 3084
Delta R.T. 0.223 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

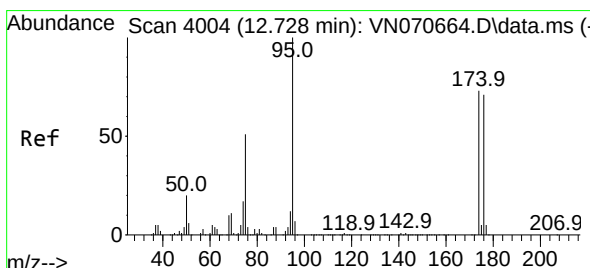
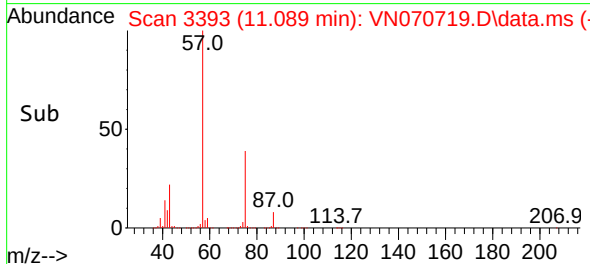
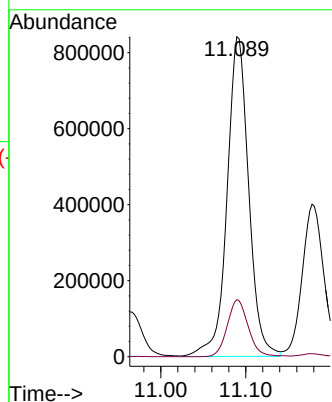
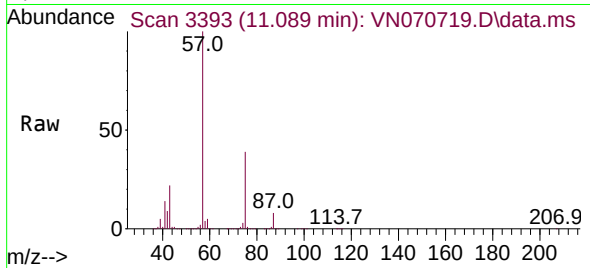




#59
2-Hexanone
Concen: 93.313 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

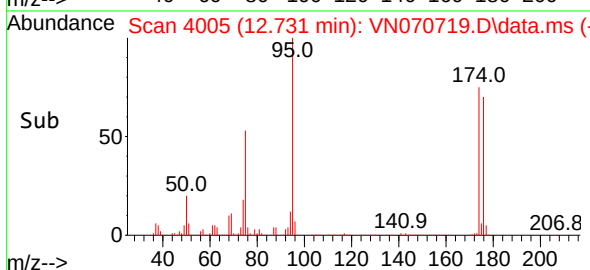
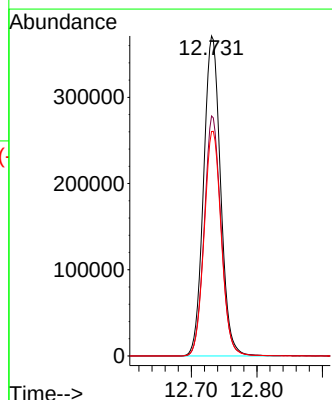
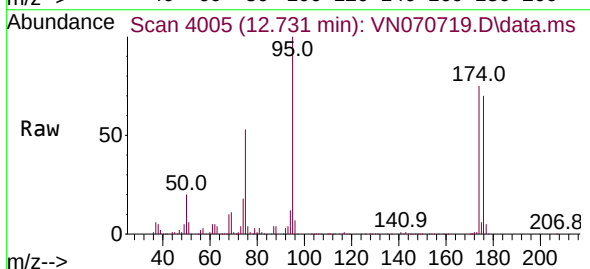
Instrument :
MSVOA_N
ClientSampleId :
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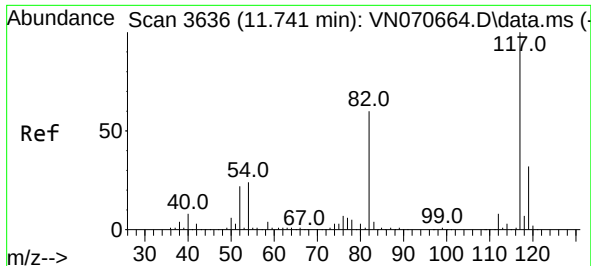
Tgt Ion: 43 Resp: 1489127
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 44.083 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 95 Resp: 667370
Ion Ratio Lower Upper
95 100
174 74.1 0.0 187.2
176 71.0 0.0 181.4

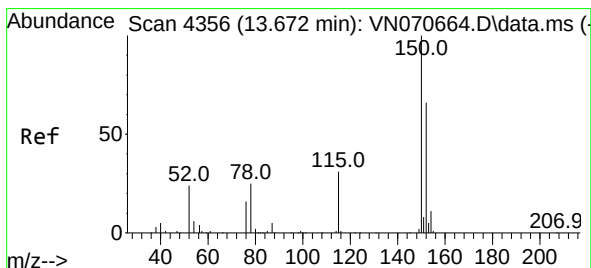
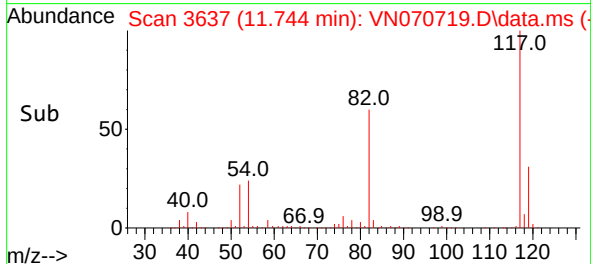
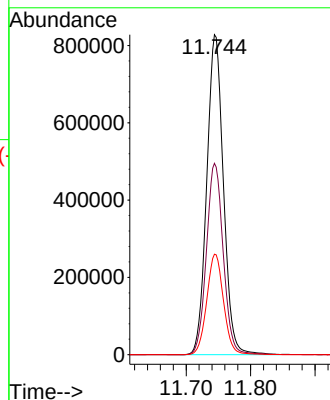
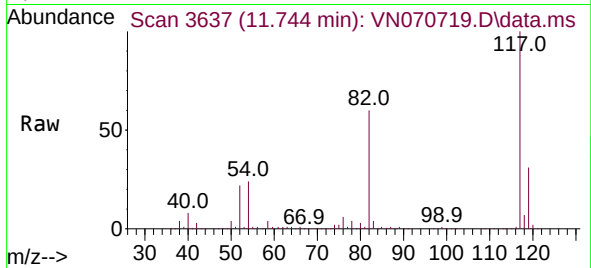




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

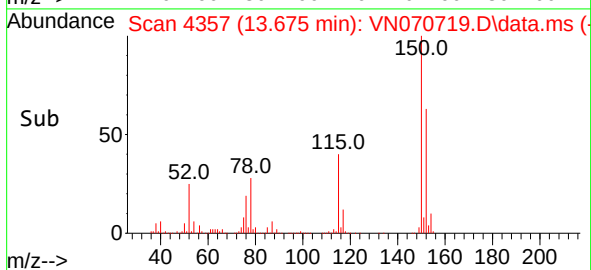
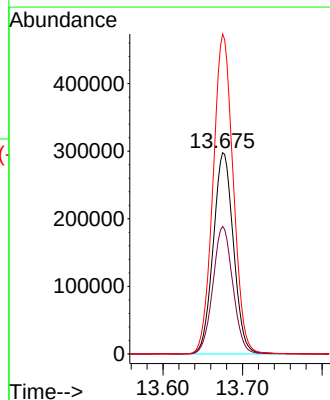
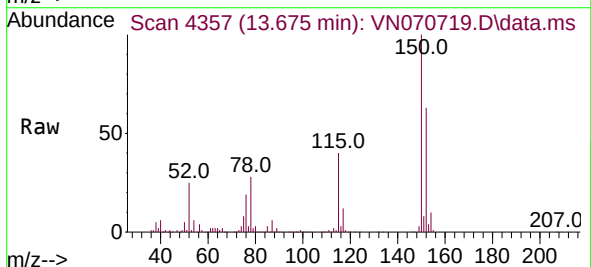
Instrument :
MSVOA_N
ClientSampleId :
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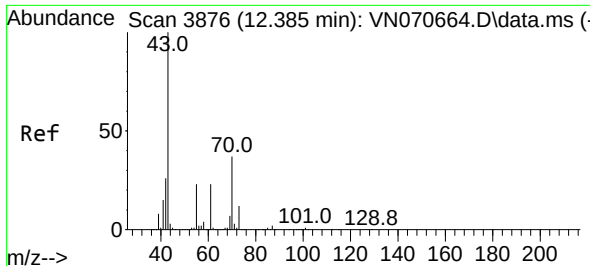
Tgt Ion:117 Resp: 1489147
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion:152 Resp: 525275
Ion Ratio Lower Upper
152 100
115 62.8 27.5 82.5
150 158.8 0.0 344.4

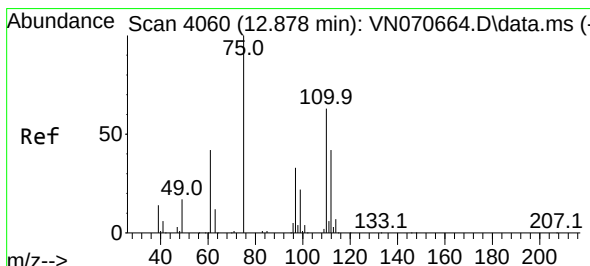
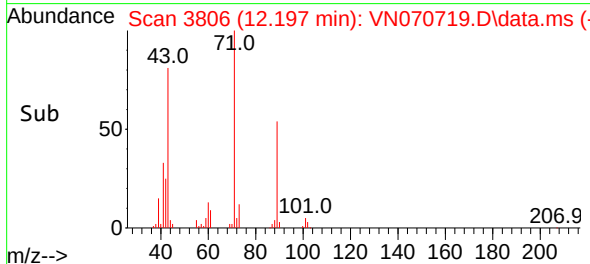
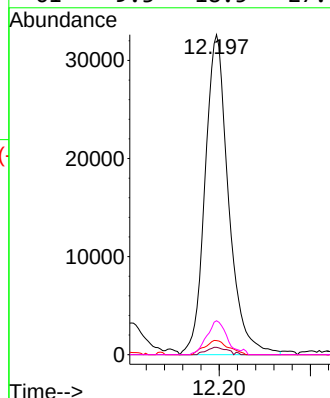
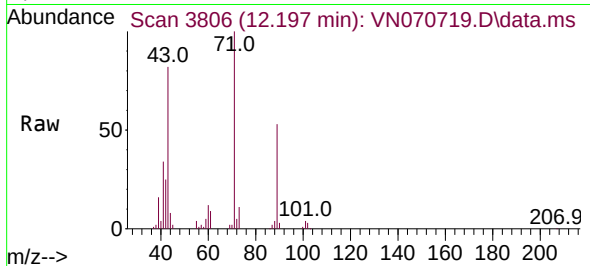




#74
N-amy1 acetate
Concen: 2.874 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.188 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

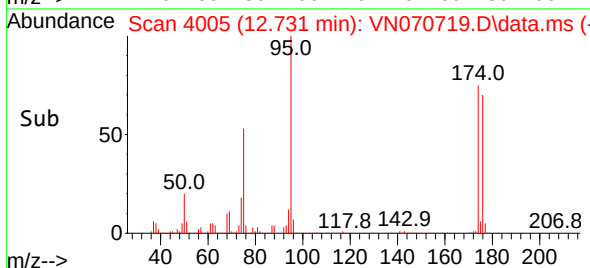
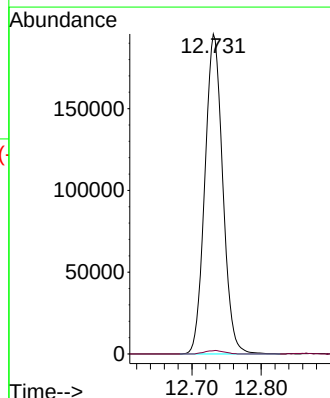
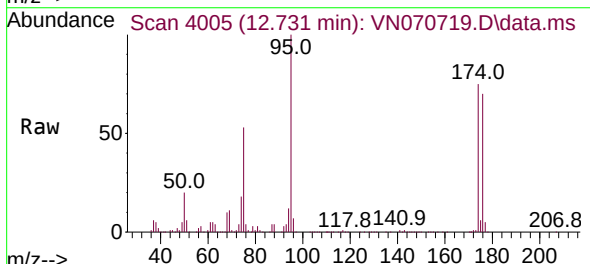
Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

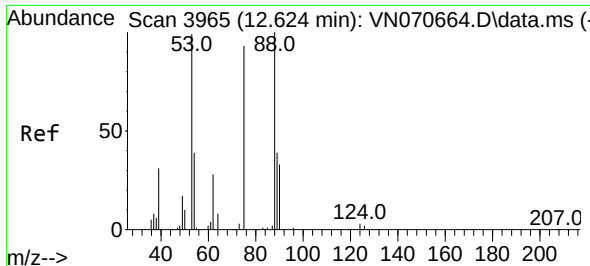
Tgt Ion: 43	Resp: 58402
Ion Ratio	Lower Upper
43 100	
70 2.1	33.4 50.0#
55 4.5	19.3 28.9#
61 9.3	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 25.165 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 75	Resp: 350588
Ion Ratio	Lower Upper
75 100	
77 1.2	82.6 247.8#

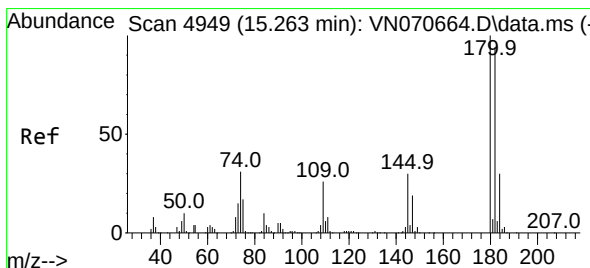
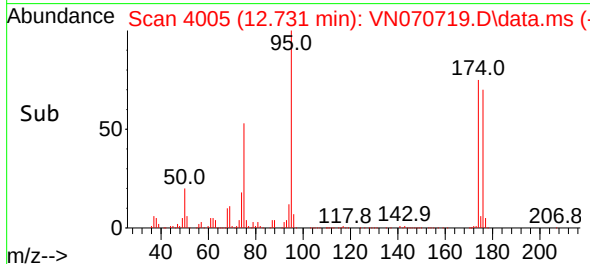
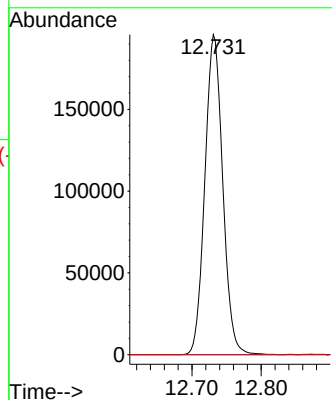
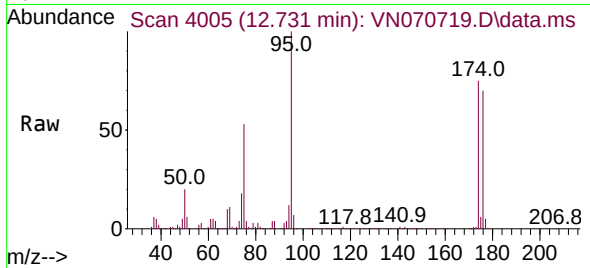




#81
trans-1,4-Dichloro-2-butene
Concen: 74.970 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

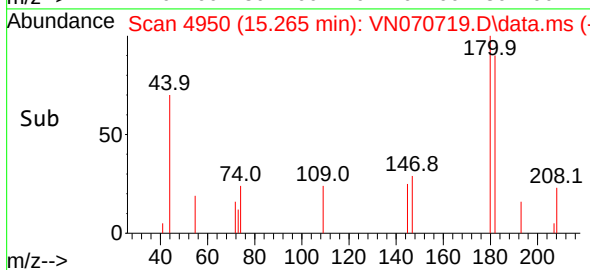
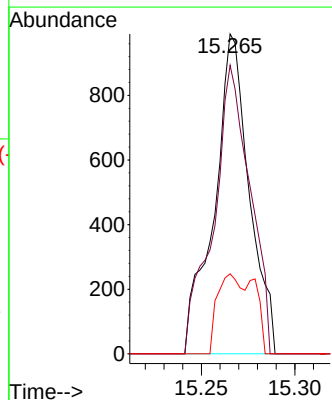
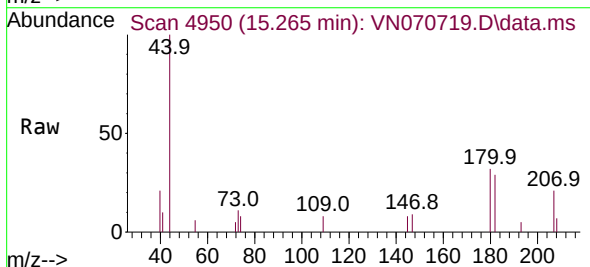
Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

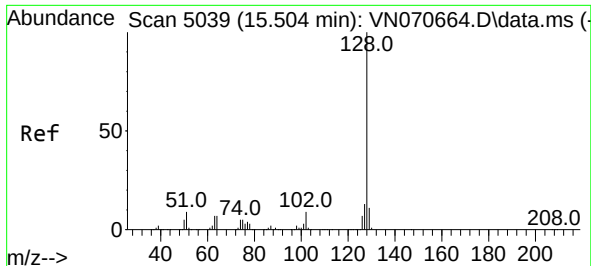
Tgt Ion: 75 Resp: 350588
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.549 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion: 180 Resp: 1294
Ion Ratio Lower Upper
180 100
182 94.0 48.3 144.9
145 18.4 14.5 43.5

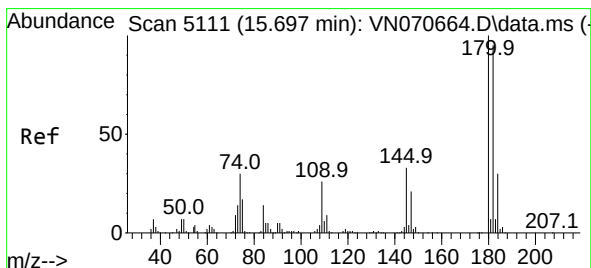
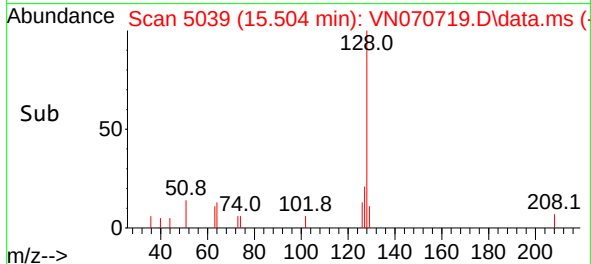
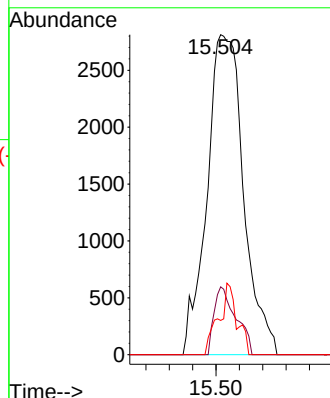
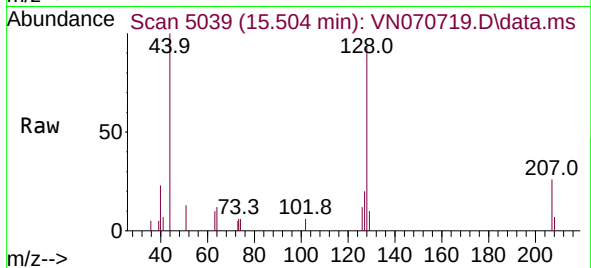




#95
Naphthalene
Concen: 5.151 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Instrument :
MSVOA_N
ClientSampleId :
PB142137TB

Tgt Ion:	128	Resp:	6114
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	11.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.361 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.003 min
Lab File: VN070719.D
Acq: 20 Jan 2022 14:47

Tgt Ion:	180	Resp:	1438
Ion Ratio	Lower	Upper	
180	100		
182	102.9	47.4	142.2
145	29.0	15.0	45.1

