

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076219.D
 Acq On : 12 Jan 2023 10:27
 Operator : JC\MD
 Sample : VN0112MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0112MBL01

Quant Time: Jan 13 01:54:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

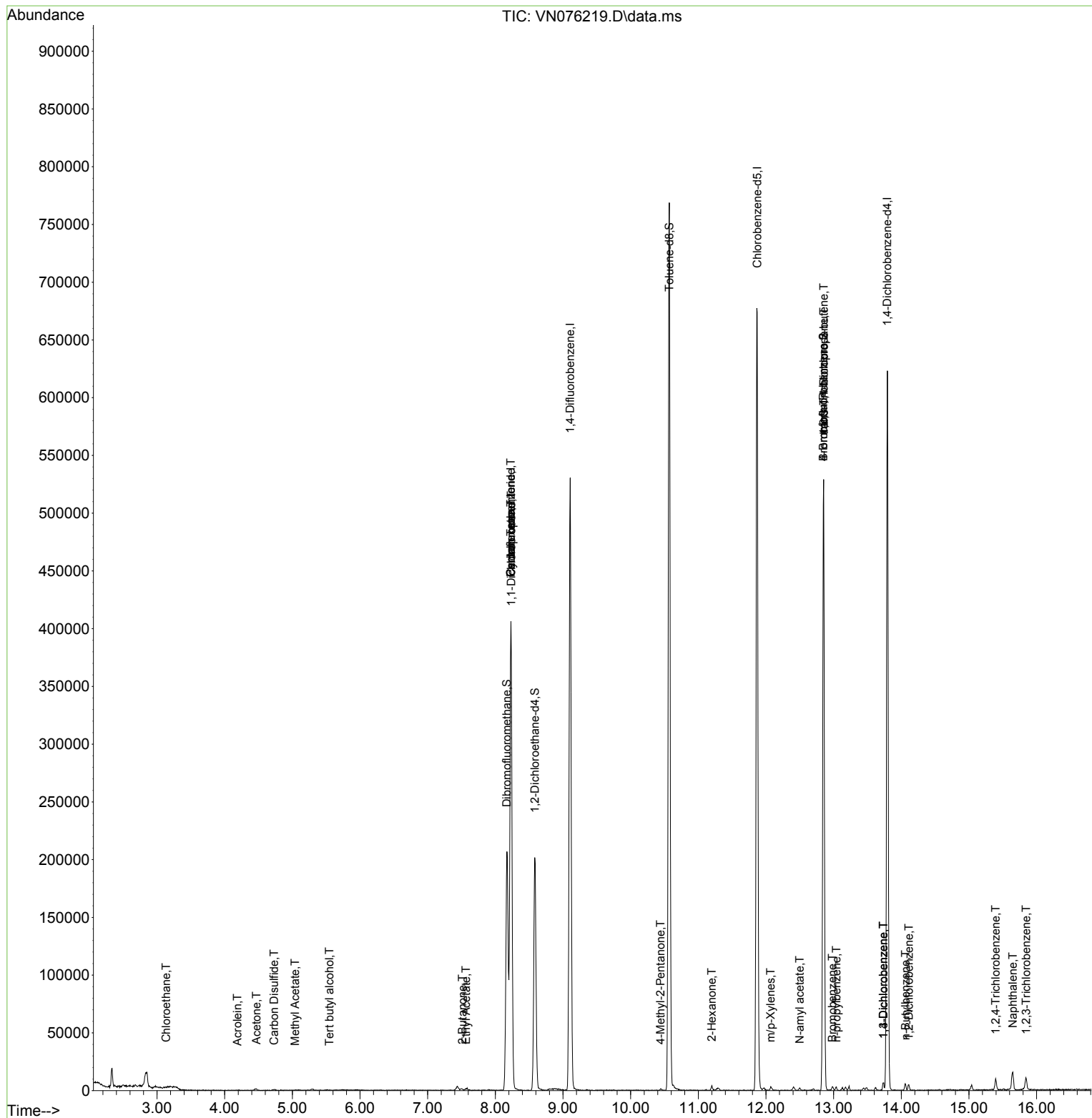
Internal Standards						
1) Pentafluorobenzene	8.230	168	310419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	493105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	422950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	165869	49.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.240%		
35) Dibromofluoromethane	8.171	113	148367	48.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.180%		
50) Toluene-d8	10.571	98	561768	49.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.400%		
62) 4-Bromofluorobenzene	12.847	95	177906	47.045	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.080%		
Target Compounds					Qvalue	
6) Chloroethane	3.136	64	507	0.209	ug/l #	44
11) Tert butyl alcohol	5.547	59	121	0.253	ug/l #	72
13) Acrolein	4.189	56	205	0.350	ug/l #	16
16) Acetone	4.471	43	2541	2.183	ug/l #	81
17) Carbon Disulfide	4.730	76	1376	0.207	ug/l #	76
18) Methyl Acetate	5.042	43	710	0.206	ug/l #	45
20) Methylene Chloride	5.283	84	978	Below Cal	#	63
25) 2-Butanone	7.512	43	2054	1.260	ug/l #	72
31) Cyclohexane	8.230	56	6452	1.334	ug/l #	20
36) 1,1-Dichloropropene	8.235	75	22684	5.592	ug/l #	50
37) Ethyl Acetate	7.565	43	1183	0.363	ug/l #	74
38) Carbon Tetrachloride	8.230	117	30727	6.768	ug/l #	16
51) 4-Methyl-2-Pentanone	10.441	43	940	0.289	ug/l #	75
59) 2-Hexanone	11.200	43	2434	1.027	ug/l	97
68) m/p-Xylenes	12.071	106	1391	0.240	ug/l	84
71) Bromoform	12.847	173	954	0.408	ug/l #	1
74) N-amyl acetate	12.500	43	1060	0.284	ug/l #	74
76) 1,2,3-Trichloropropane	12.853	75	88304	24.901	ug/l #	1
77) Bromobenzene	12.982	156	1041	0.324	ug/l	63
78) n-propylbenzene	13.041	91	2862	0.204	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.853	75	88304	89.631	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	2641	0.444	ug/l	96
88) 1,4-Dichlorobenzene	13.735	146	2641	0.435	ug/l	96
89) n-Butylbenzene	14.065	91	3767	0.432	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	2499	0.427	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	3792	1.308	ug/l	94
95) Naphthalene	15.647	128	18031	3.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	5366	1.981	ug/l	95

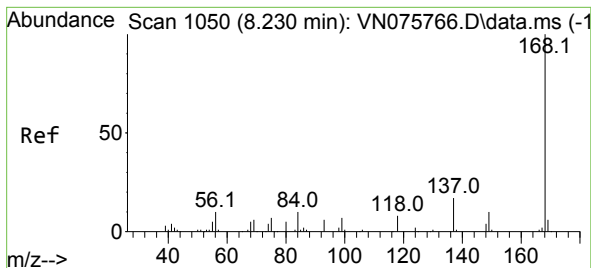
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0112MBL01
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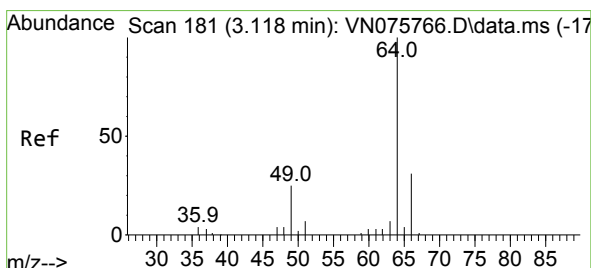
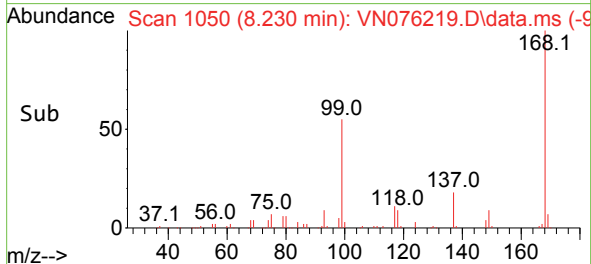
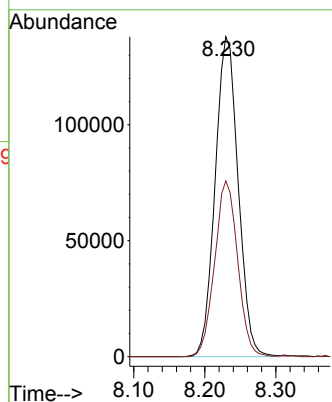
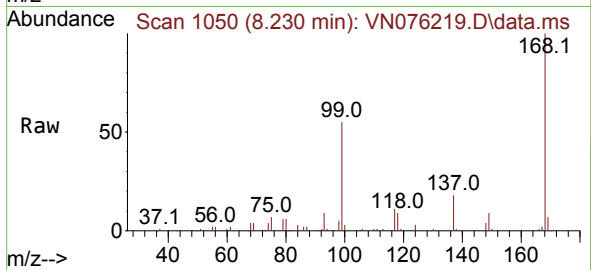




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

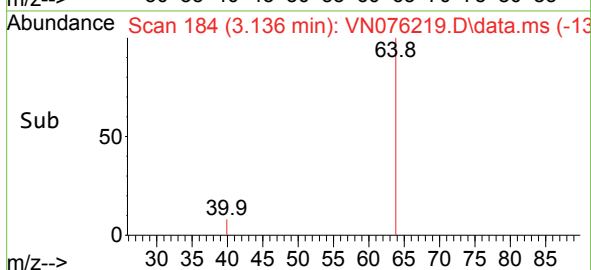
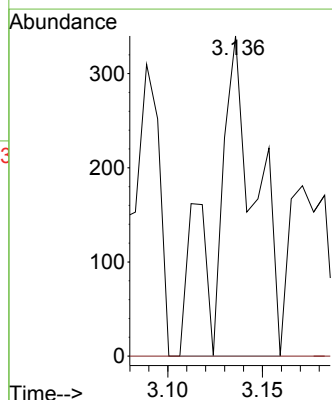
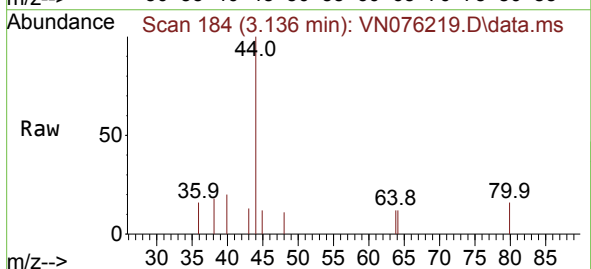
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

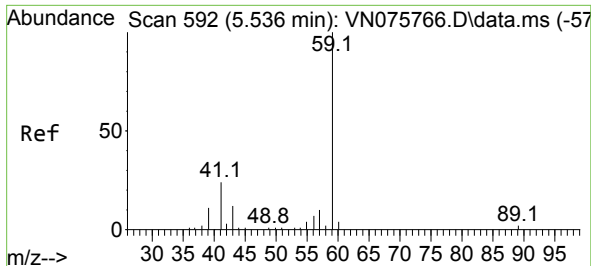
Tgt Ion:168 Resp: 310419
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4



#6
Chloroethane
Concen: 0.209 ug/l
RT: 3.136 min Scan# 184
Delta R.T. 0.018 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 64 Resp: 507
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

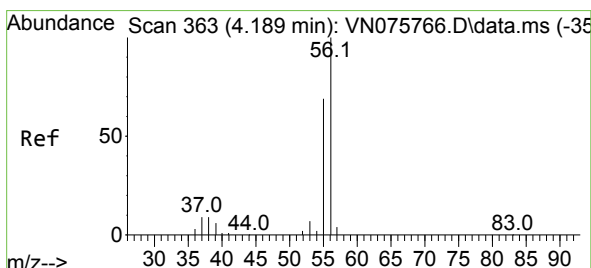
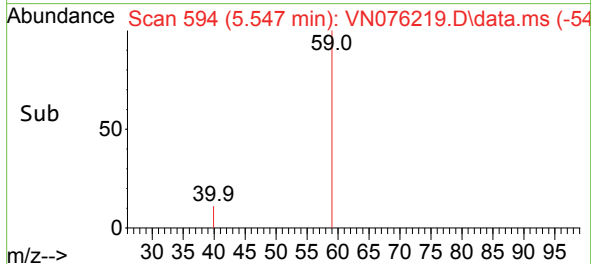
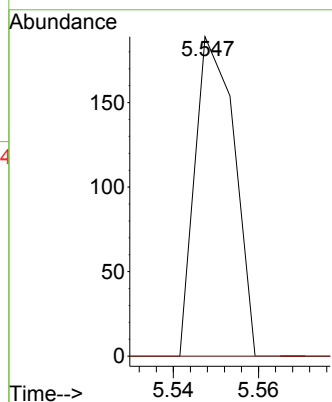
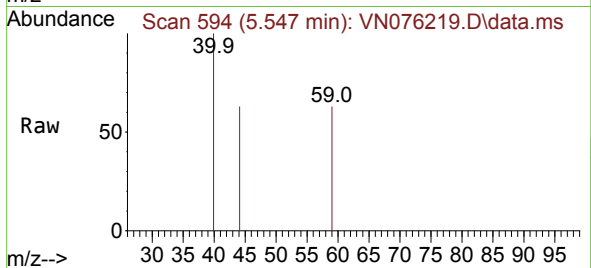




#11
Tert butyl alcohol
Concen: 0.253 ug/l
RT: 5.547 min Scan# 594
Delta R.T. 0.012 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

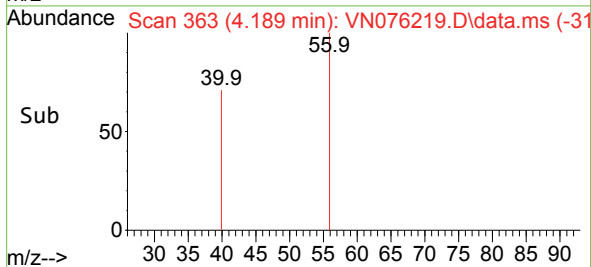
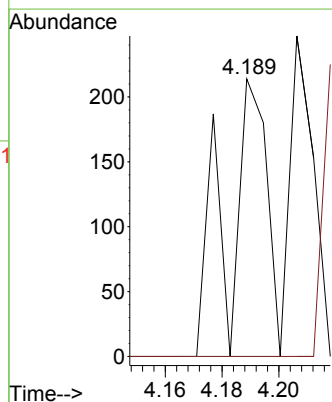
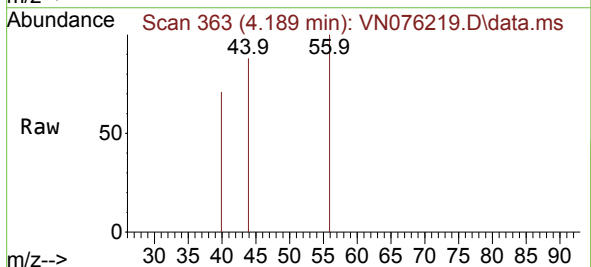
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

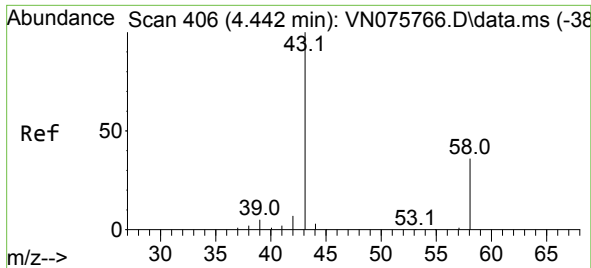
Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.350 ug/l
RT: 4.189 min Scan# 363
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 2.183 ug/l

RT: 4.471 min Scan# 411

Delta R.T. 0.029 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :

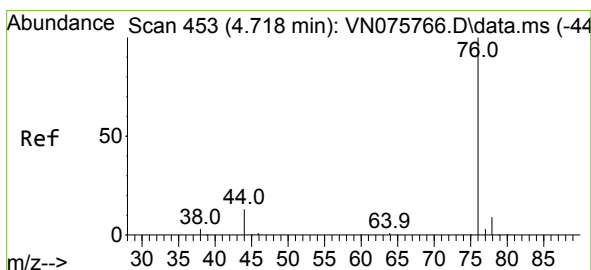
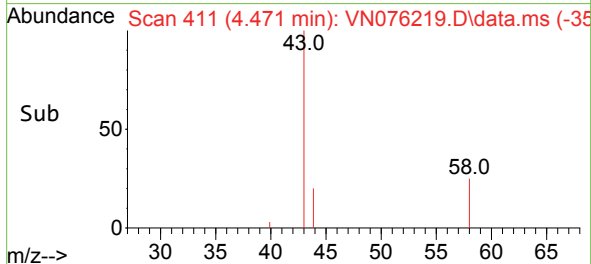
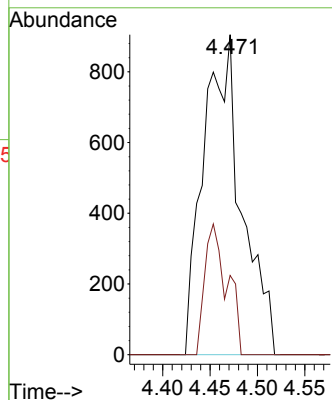
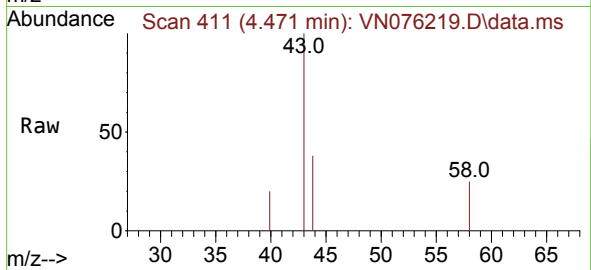
VN0112MBL01

Tgt Ion: 43 Resp: 2541

Ion Ratio Lower Upper

43 100

58 24.8 28.6 43.0#



#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 4.730 min Scan# 455

Delta R.T. 0.012 min

Lab File: VN076219.D

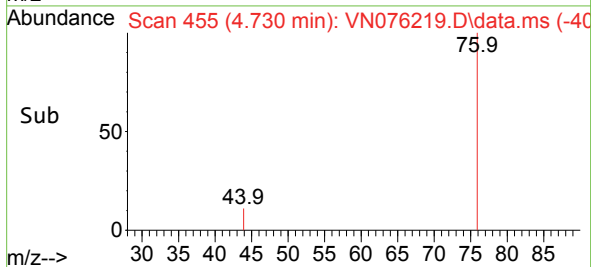
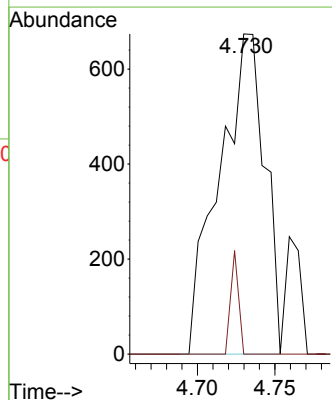
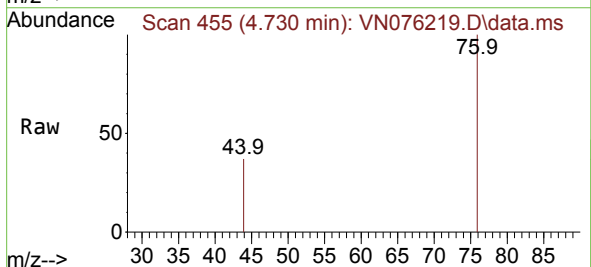
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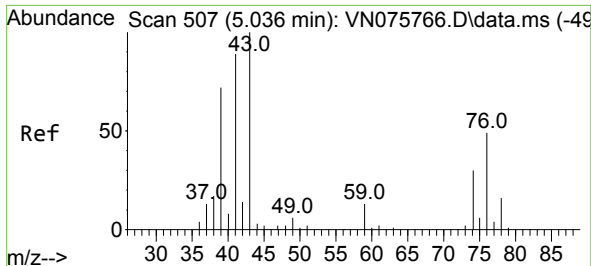
Tgt Ion: 76 Resp: 1376

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#

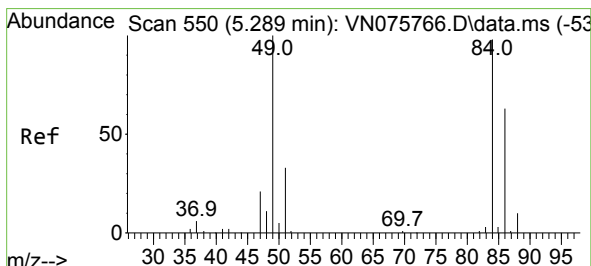
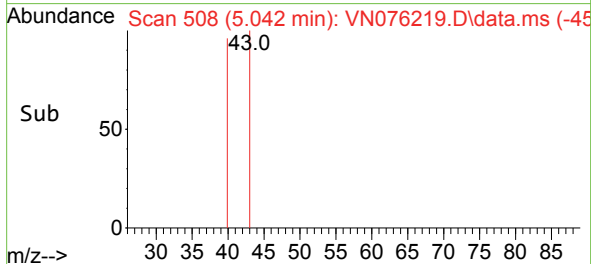
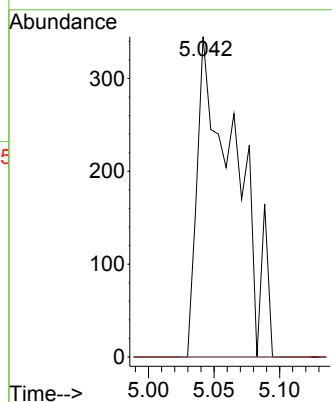
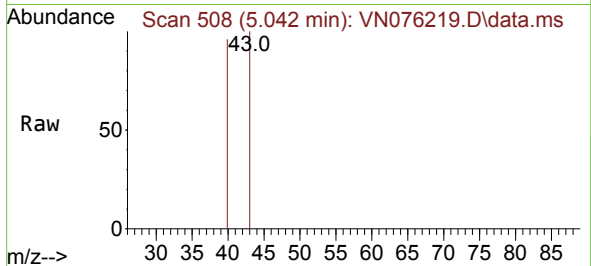




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

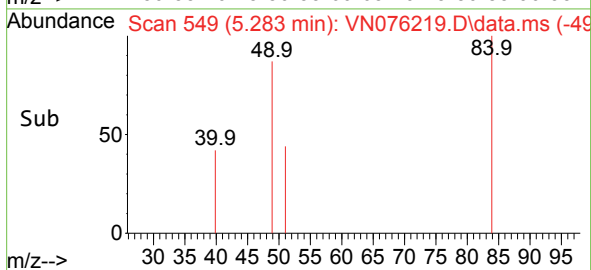
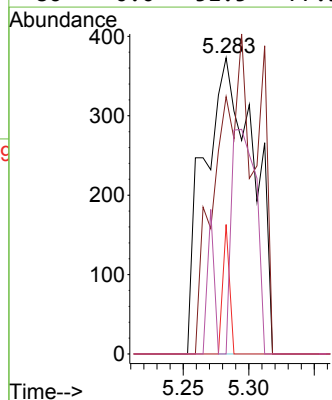
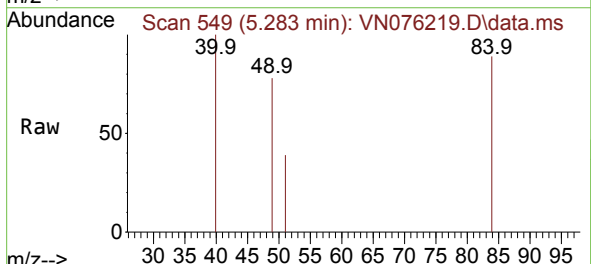
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

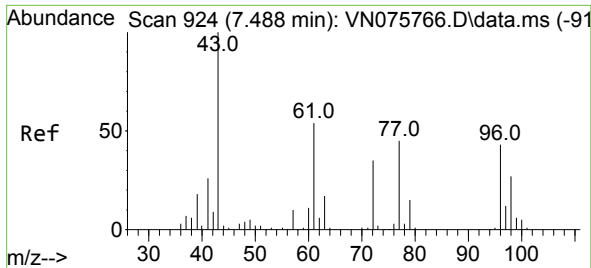
Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
74 0.0 23.6 35.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 84 Resp: 978
Ion Ratio Lower Upper
84 100
49 86.9 81.8 122.6
51 43.7 26.7 40.1#
86 0.0 51.5 77.3#

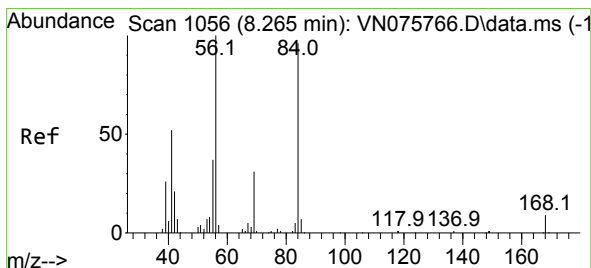
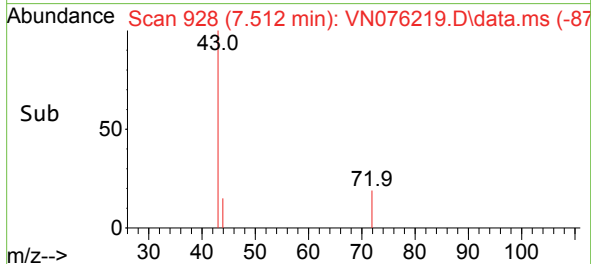
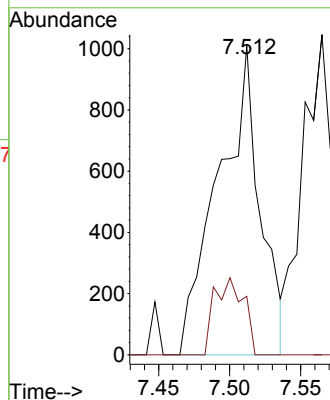
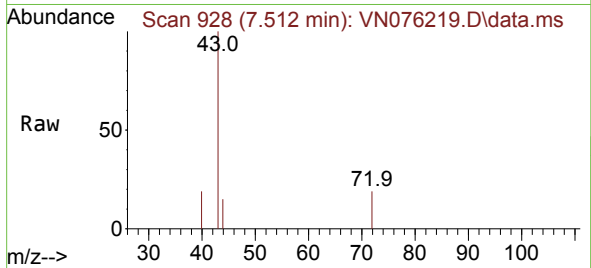




#25
2-Butanone
Concen: 1.260 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

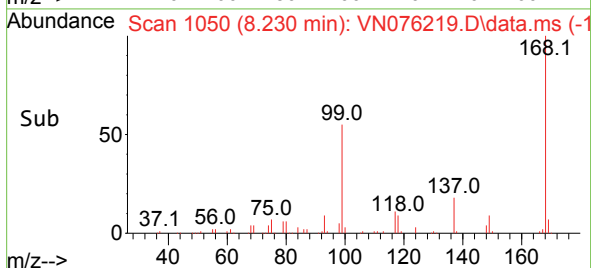
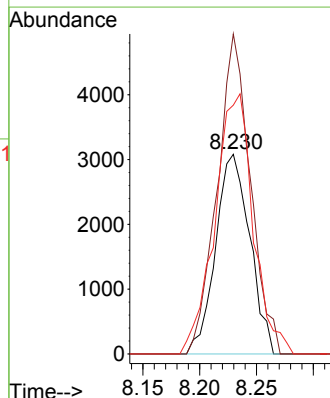
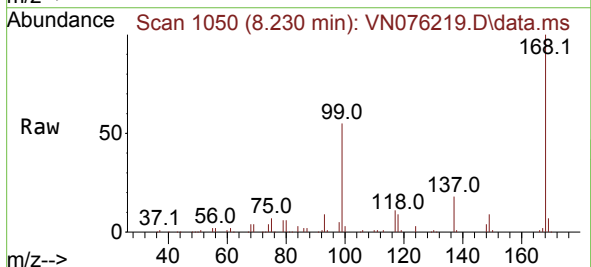
Instrument :
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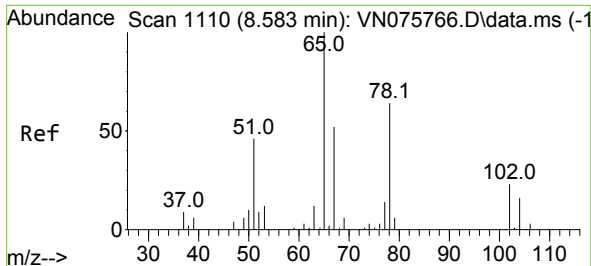
Tgt Ion: 43 Resp: 2054
Ion Ratio Lower Upper
43 100
72 18.9 28.0 42.0#



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 56 Resp: 6452
Ion Ratio Lower Upper
56 100
69 160.3 24.7 37.1#
84 124.6 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.116 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :

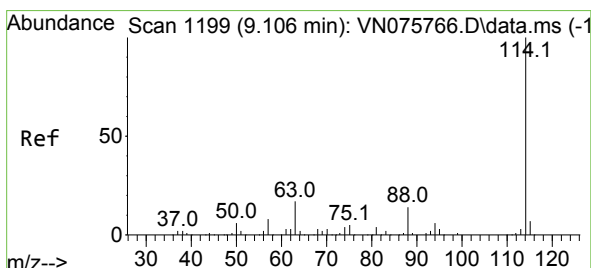
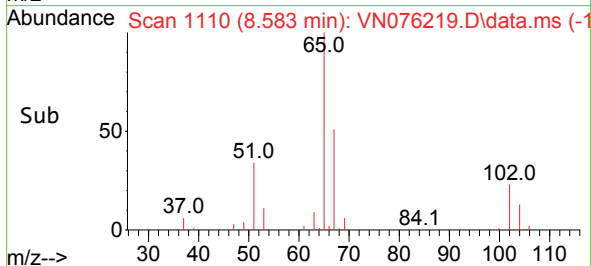
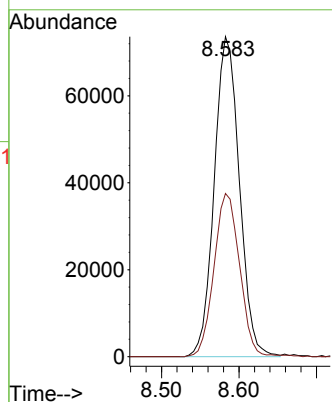
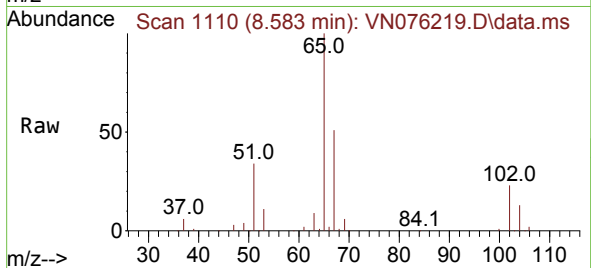
VN0112MBL01

Tgt Ion: 65 Resp: 165869

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

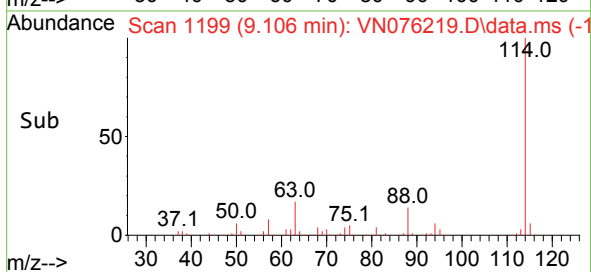
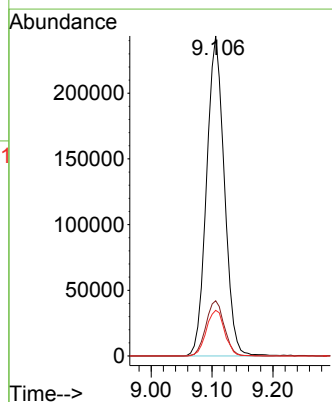
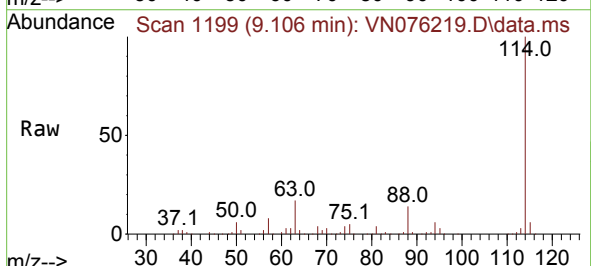
Tgt Ion: 114 Resp: 493105

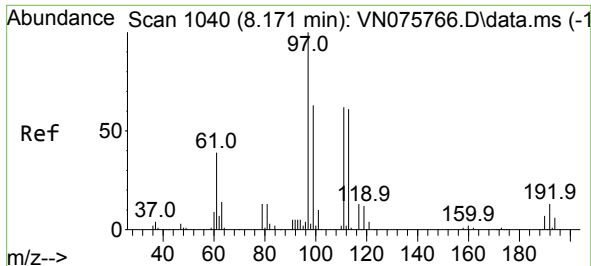
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.2 0.0 28.8

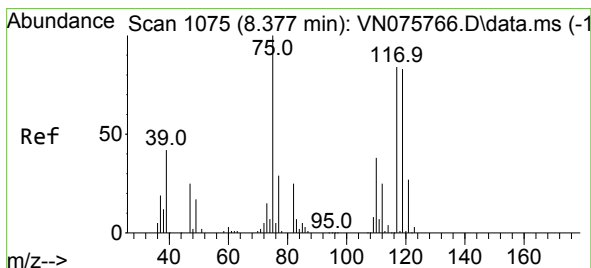
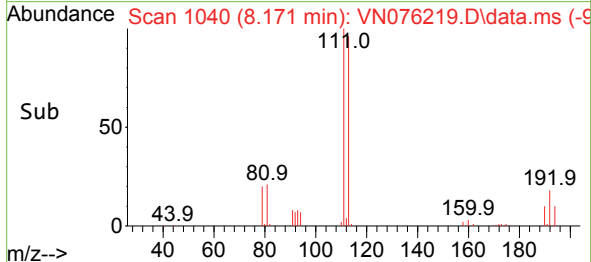
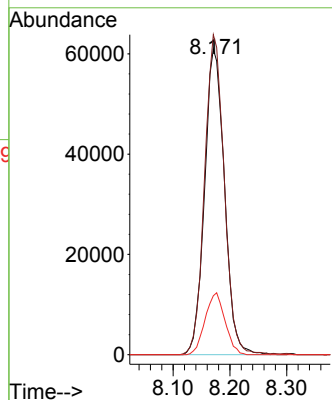
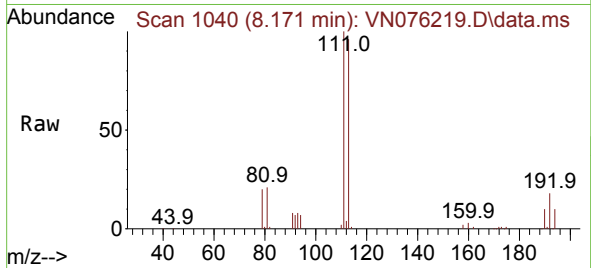




#35
Dibromofluoromethane
Concen: 48.586 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

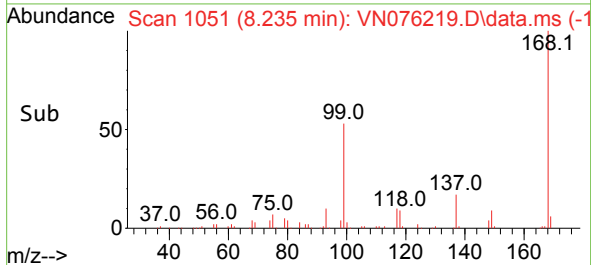
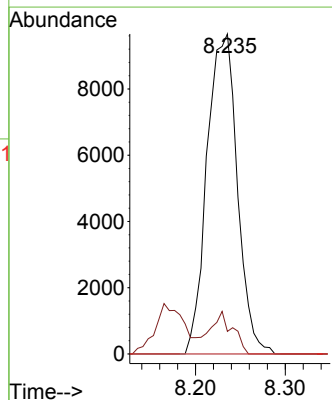
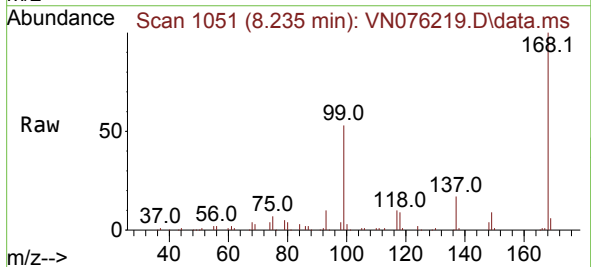
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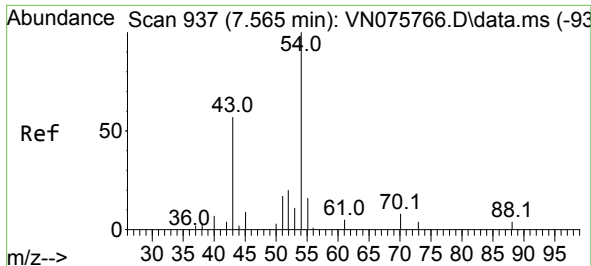
Tgt Ion:113 Resp: 148367
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 20.2 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.592 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 75 Resp: 22684
Ion Ratio Lower Upper
75 100
110 10.2 18.8 56.4#
77 0.0 24.1 36.1#

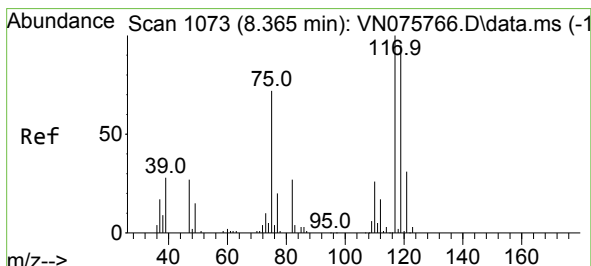
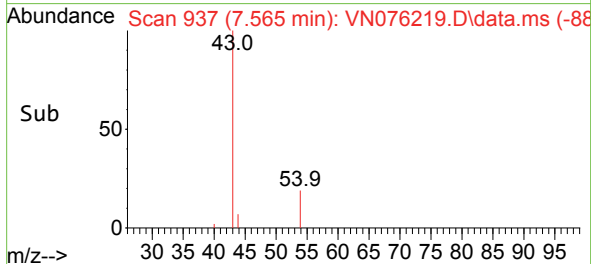
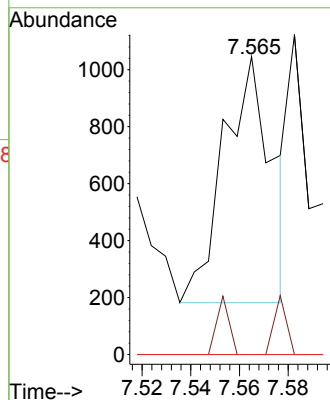
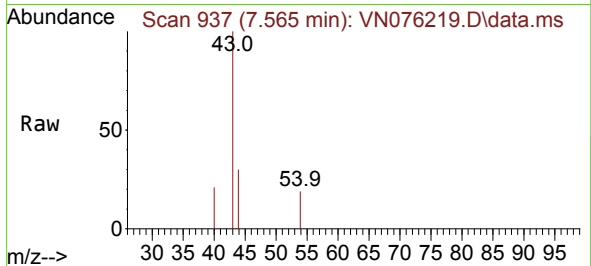




#37
Ethyl Acetate
Concen: 0.363 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

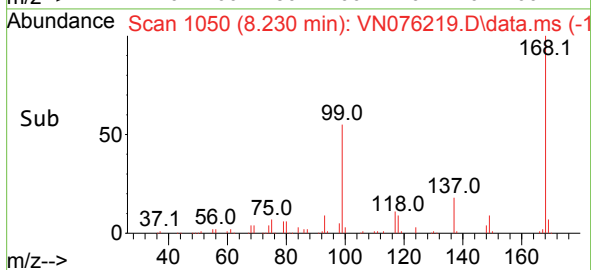
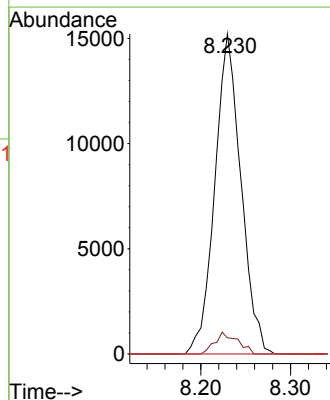
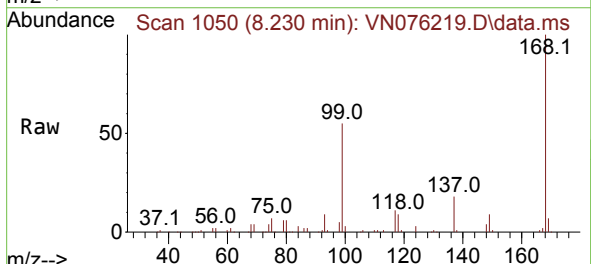
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

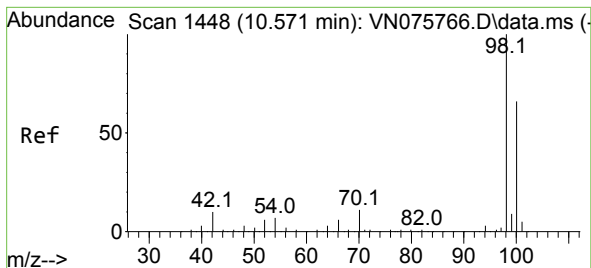
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
61 6.2 13.0 19.4#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.768 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 117 Resp: 30727
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.5 36.7#

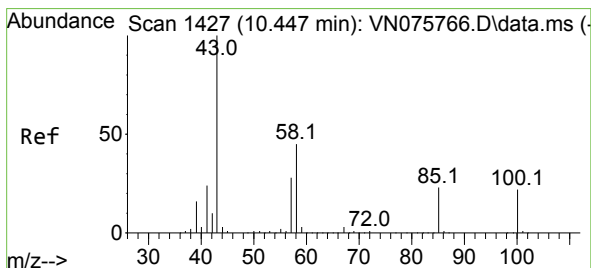
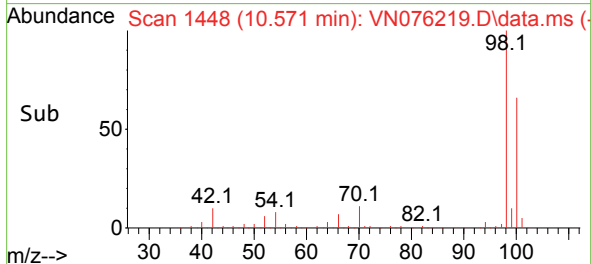
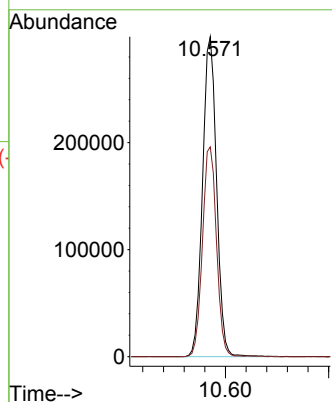
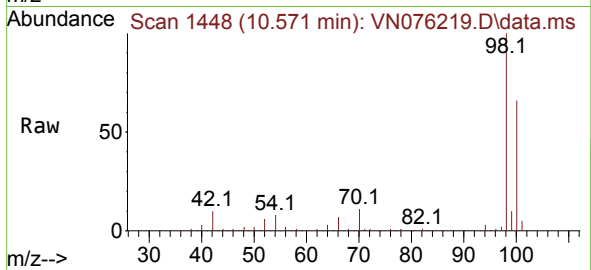




#50
Toluene-d8
Concen: 49.202 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

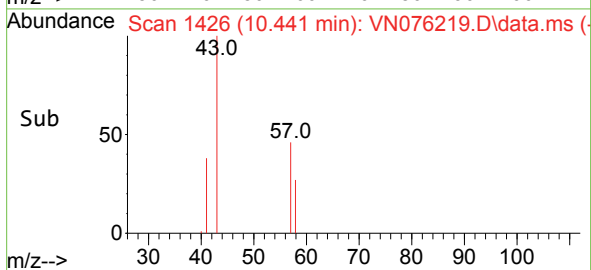
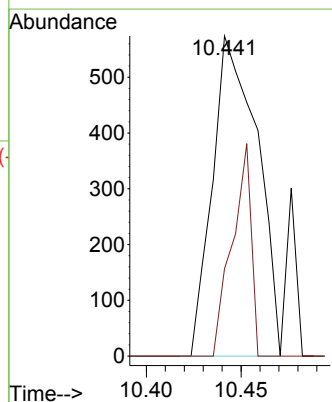
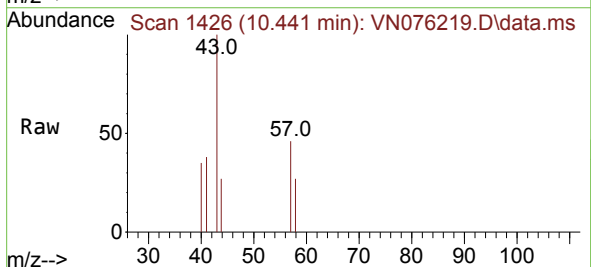
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

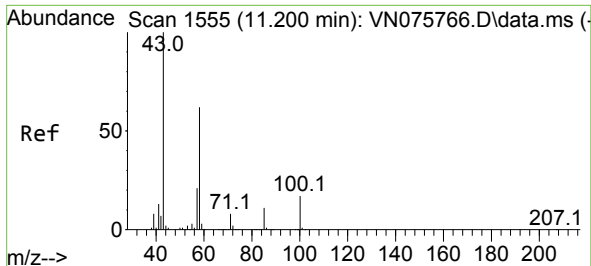
Tgt Ion: 98 Resp: 561768
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.289 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 28.4 35.5 53.3#

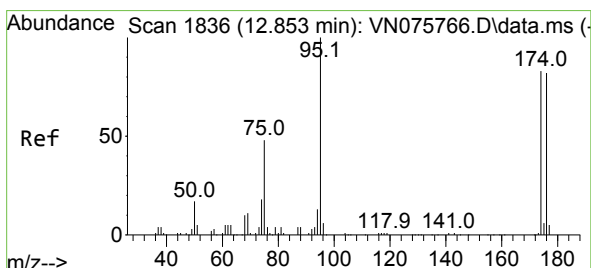
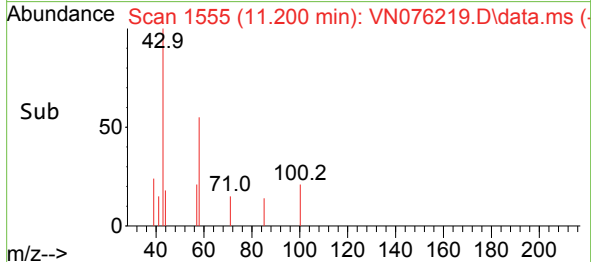
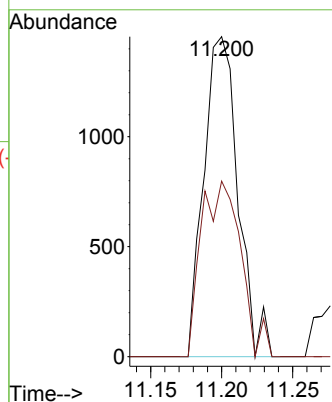
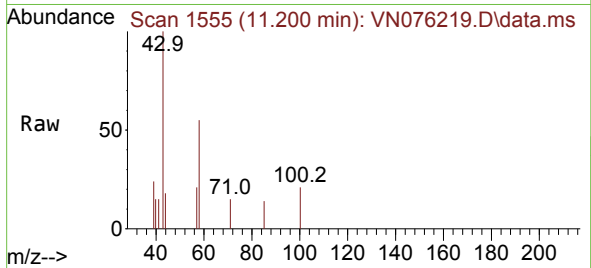




#59
2-Hexanone
Concen: 1.027 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

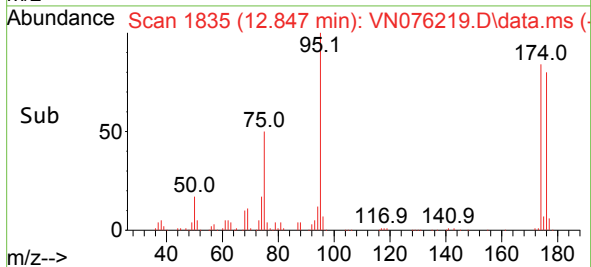
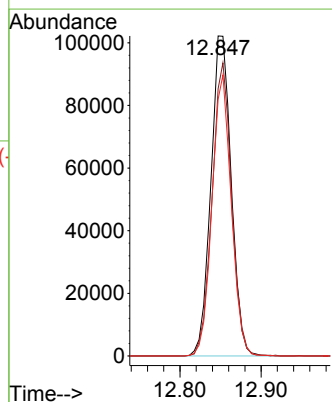
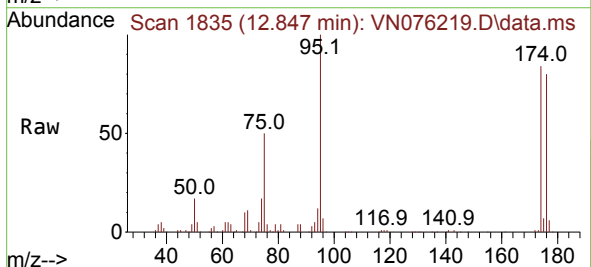
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

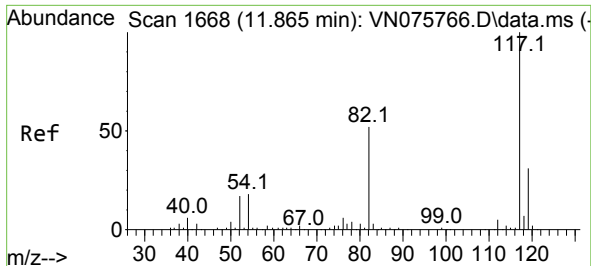
Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
58 63.2 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 47.045 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 95 Resp: 177906
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 83.0 0.0 169.2

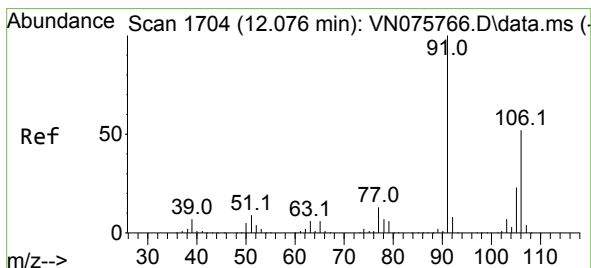
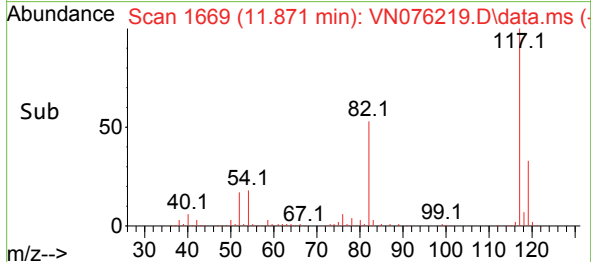
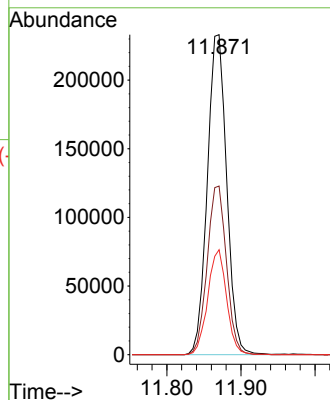
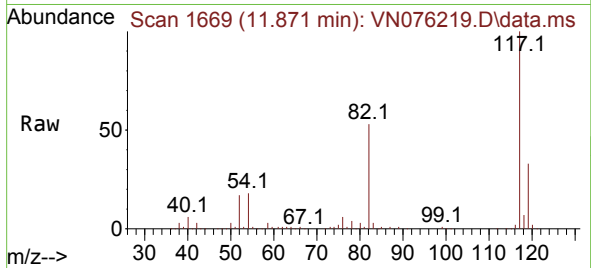




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

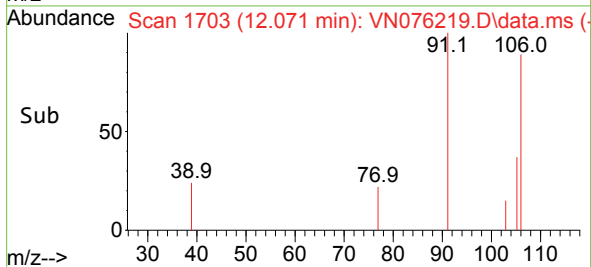
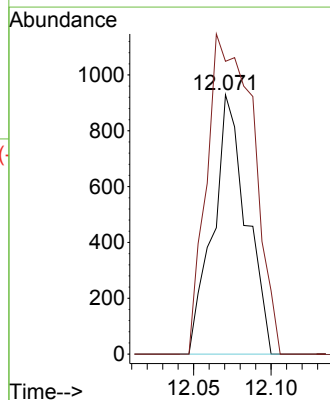
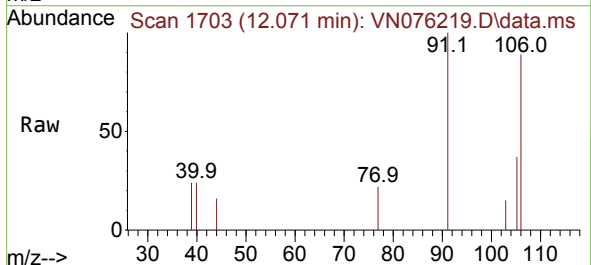
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

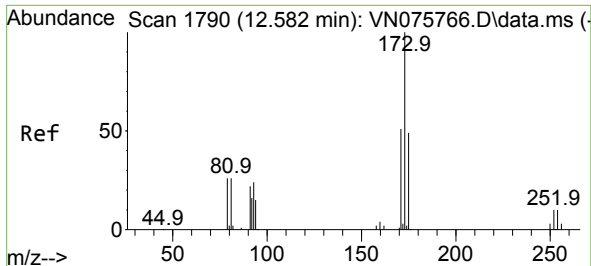
Tgt Ion:117 Resp: 422950
Ion Ratio Lower Upper
117 100
82 52.7 41.3 61.9
119 32.8 24.6 37.0



#68
m/p-Xylenes
Concen: 0.240 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion:106 Resp: 1391
Ion Ratio Lower Upper
106 100
91 172.0 156.6 235.0

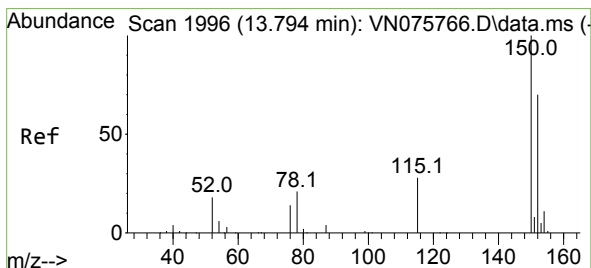
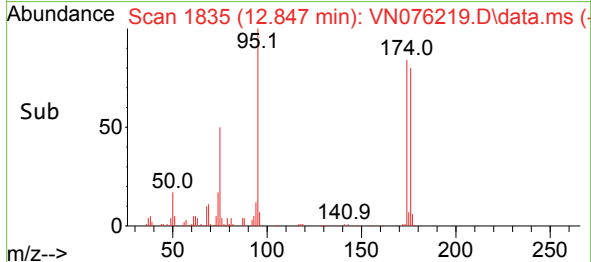
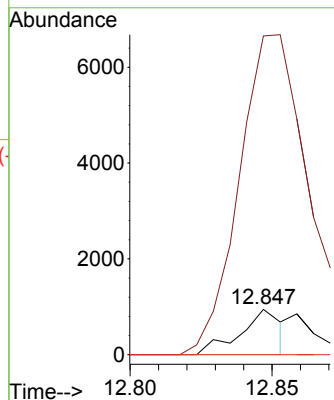
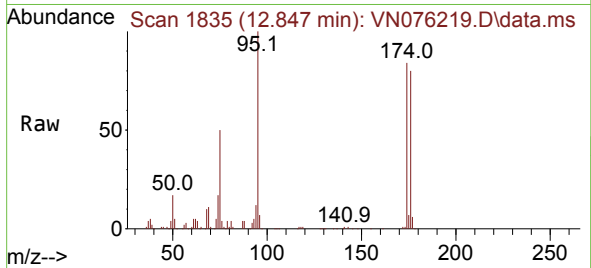




#71
Bromoform
Concen: 0.408 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

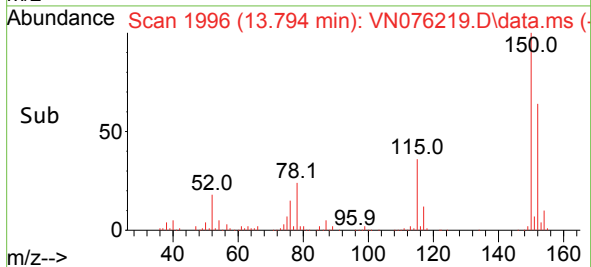
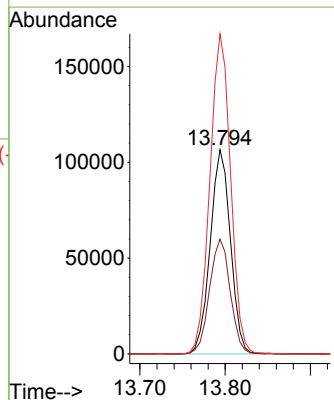
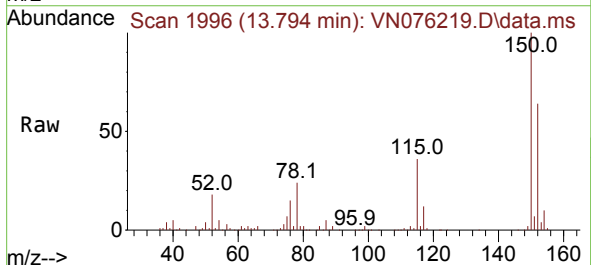
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

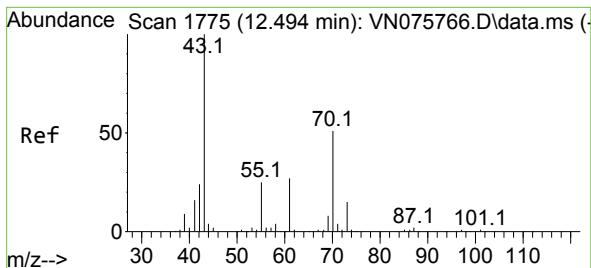
Tgt Ion:173 Resp: 954
Ion Ratio Lower Upper
173 100
175 981.1 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion:152 Resp: 175925
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.4
150 160.2 0.0 347.0





#74

N-amy1 acetate

Concen: 0.284 ug/l

RT: 12.500 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0112MBL01

Tgt Ion: 43 Resp: 1060

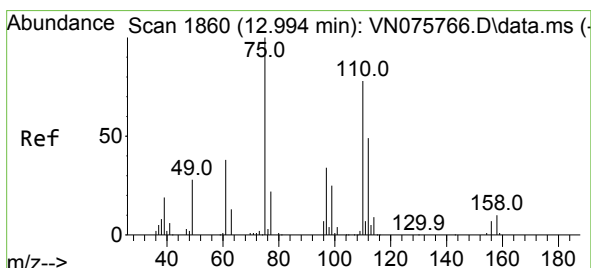
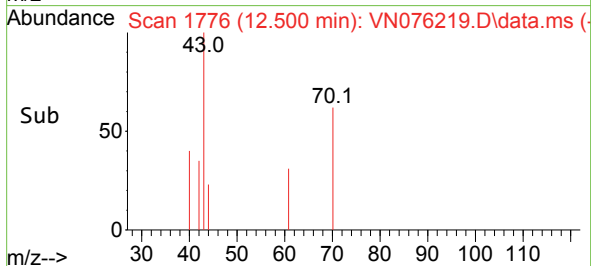
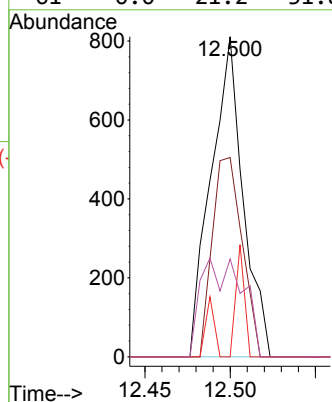
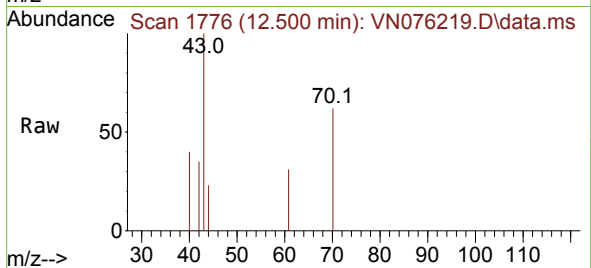
Ion Ratio Lower Upper

43 100

70 57.9 41.4 62.0

55 9.4 21.3 31.9#

61 0.0 21.2 31.8#



#76

1,2,3-Trichloropropane

Concen: 24.901 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076219.D

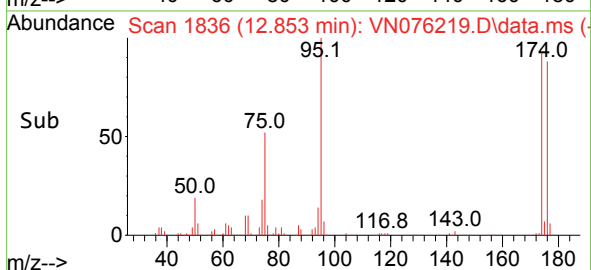
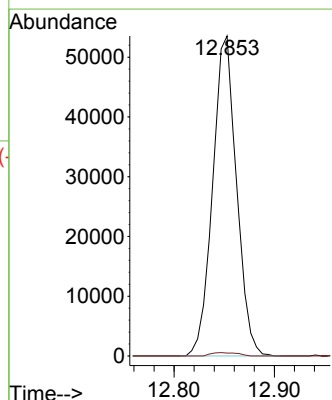
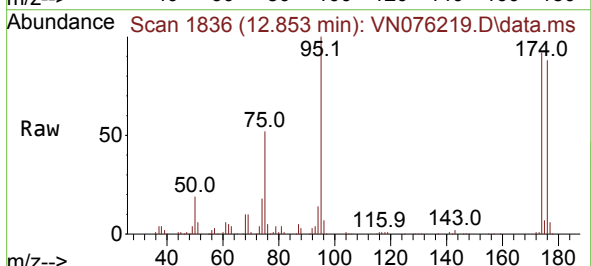
Acq: 12 Jan 2023 10:27

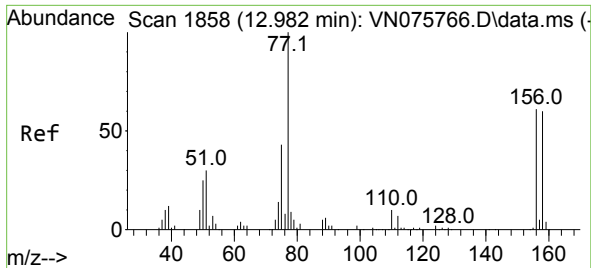
Tgt Ion: 75 Resp: 88304

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#

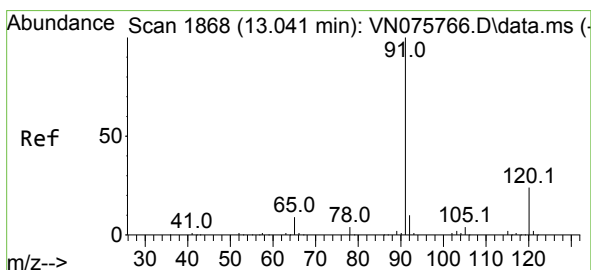
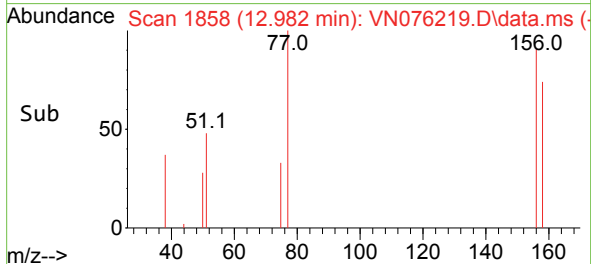
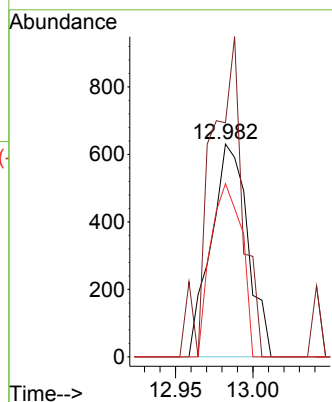
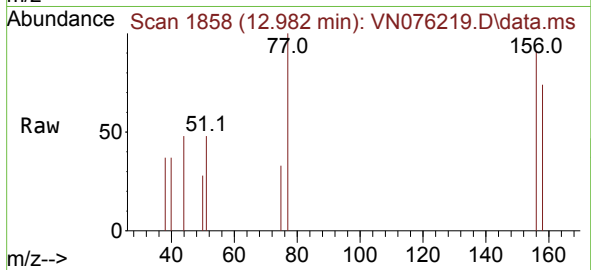




#77
Bromobenzene
Concen: 0.324 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

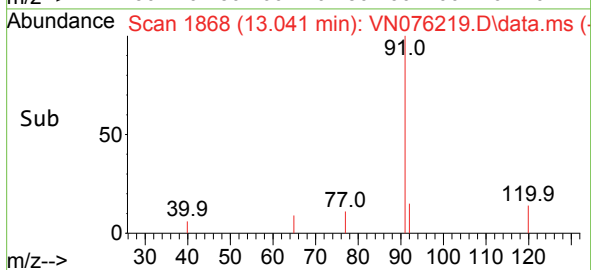
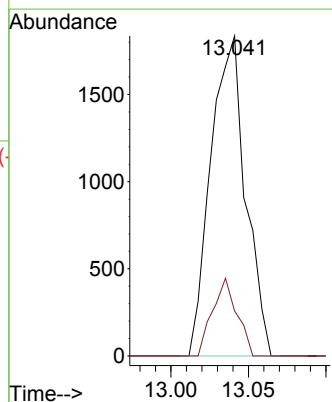
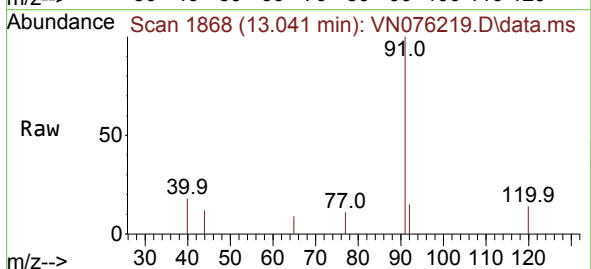
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

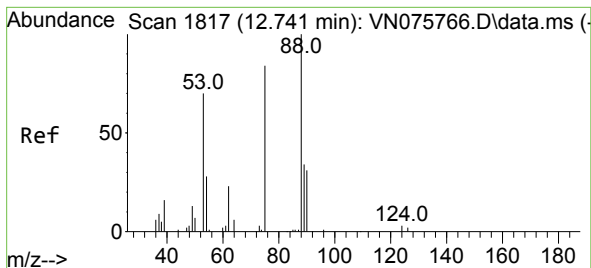
Tgt Ion:156 Resp: 1041
Ion Ratio Lower Upper
156 100
77 128.8 93.8 281.3
158 68.8 48.9 146.6



#78
n-propylbenzene
Concen: 0.204 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 91 Resp: 2862
Ion Ratio Lower Upper
91 100
120 17.0 12.0 36.1

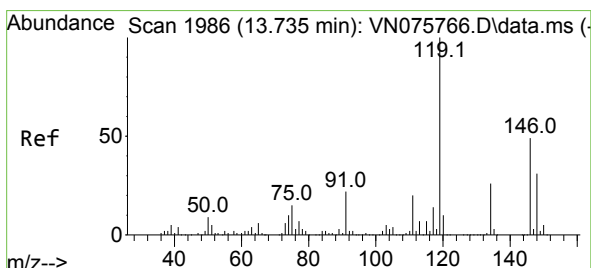
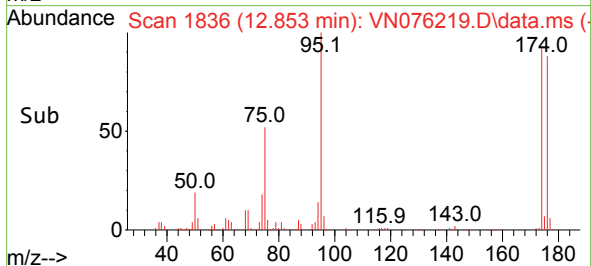
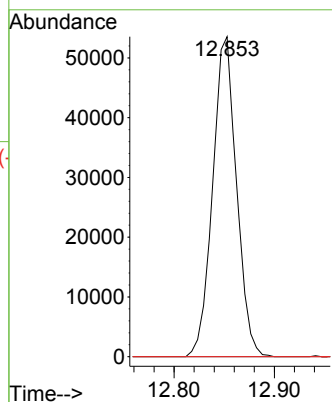
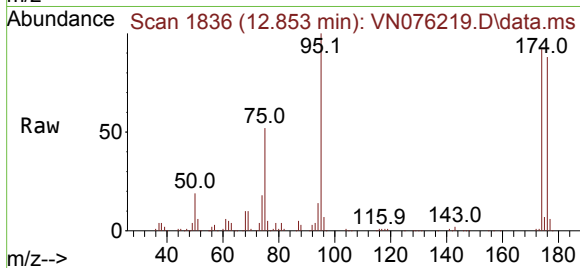




#81
trans-1,4-Dichloro-2-butene
Concen: 89.631 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

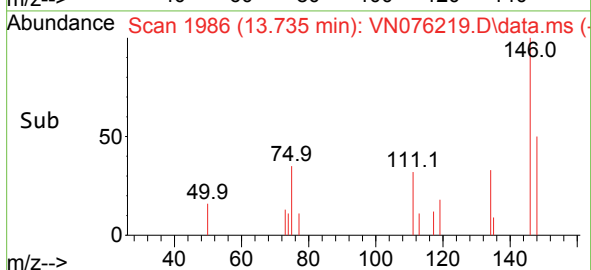
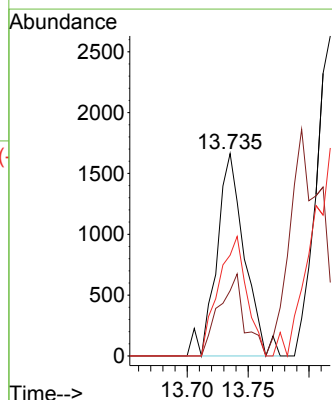
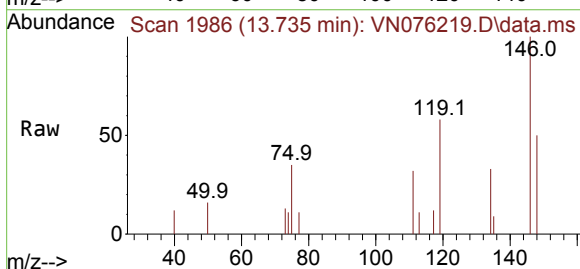
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

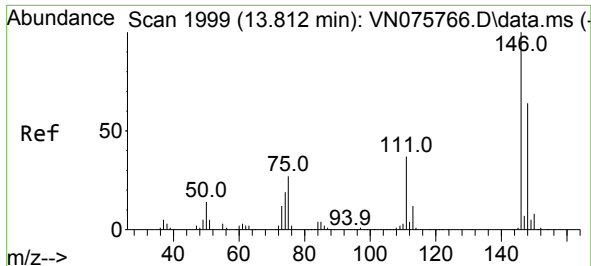
Tgt Ion: 75 Resp: 88304
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.444 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion:146 Resp: 2641
Ion Ratio Lower Upper
146 100
111 36.9 19.7 59.0
148 59.8 31.4 94.2

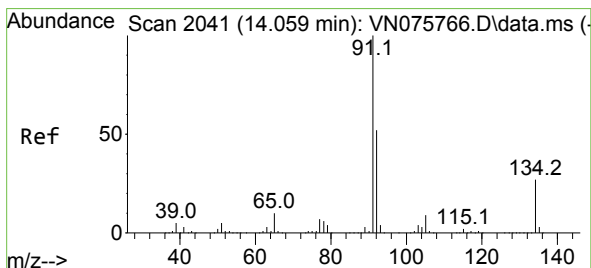
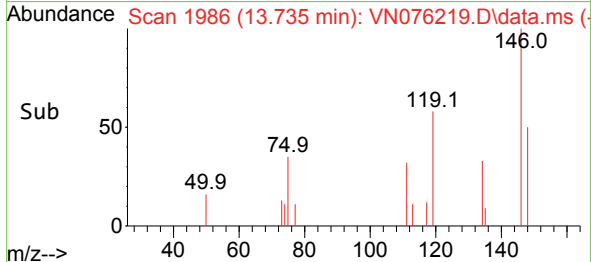
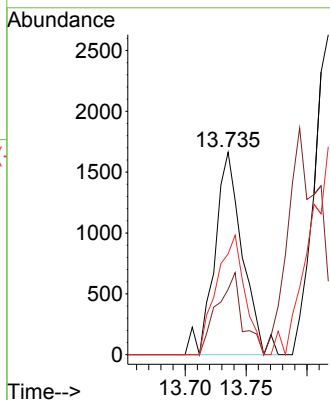
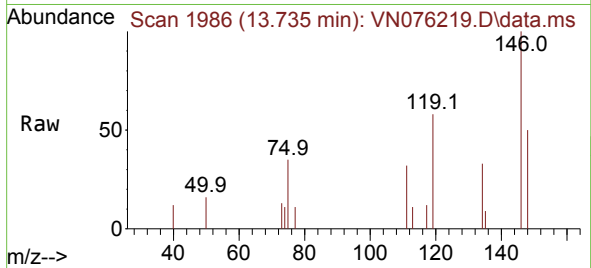




#88
1,4-Dichlorobenzene
Concen: 0.435 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.076 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

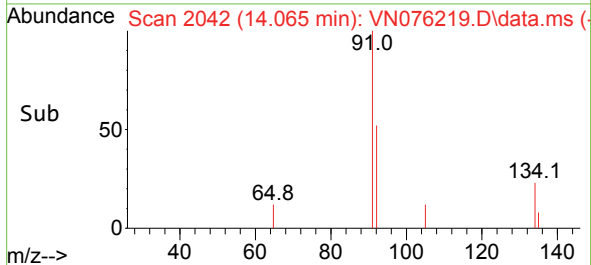
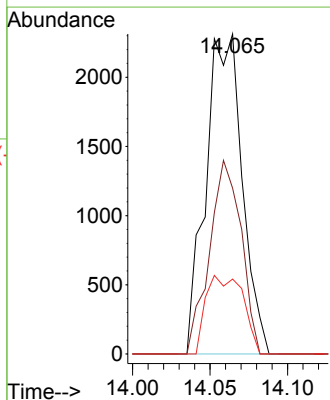
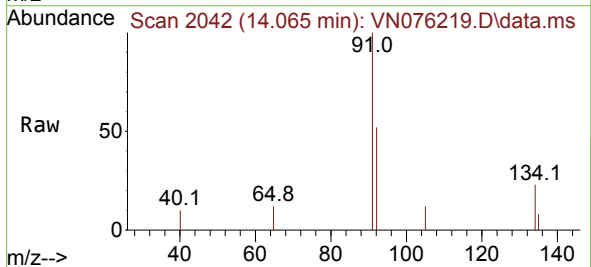
Instrument :
MSVOA_N
ClientSampleId :
VN0112MBL01

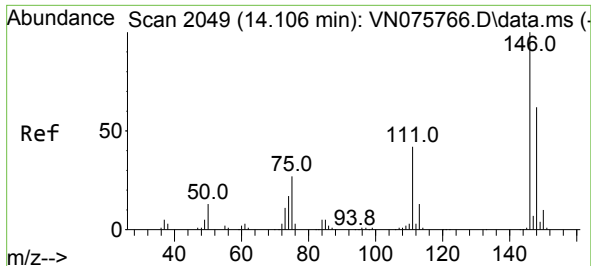
Tgt Ion:146 Resp: 2641
Ion Ratio Lower Upper
146 100
111 36.9 19.1 57.1
148 59.8 32.0 96.2



#89
n-Butylbenzene
Concen: 0.432 ug/l
RT: 14.065 min Scan# 2042
Delta R.T. 0.006 min
Lab File: VN076219.D
Acq: 12 Jan 2023 10:27

Tgt Ion: 91 Resp: 3767
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.2
134 25.1 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.427 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0112MBL01

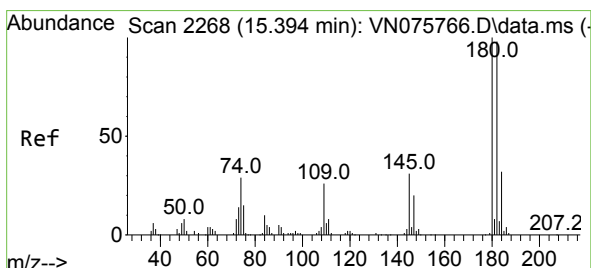
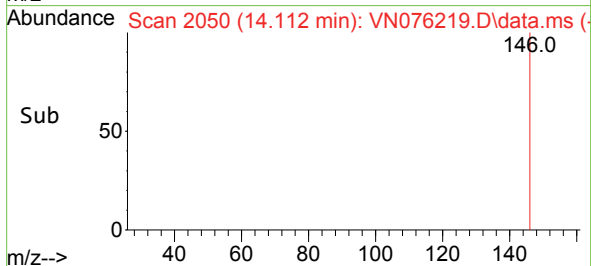
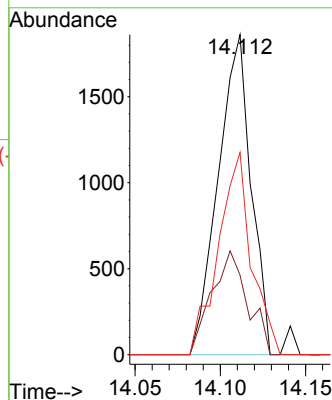
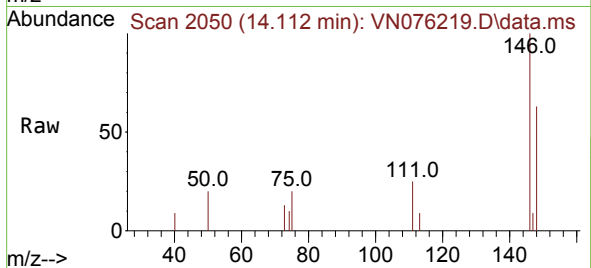
Tgt Ion:146 Resp: 2499

Ion Ratio Lower Upper

146 100

111 35.3 20.3 61.0

148 63.5 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 1.308 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. 0.000 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

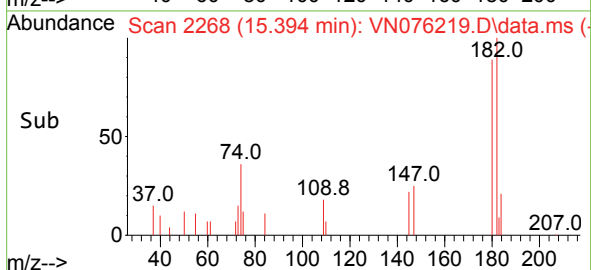
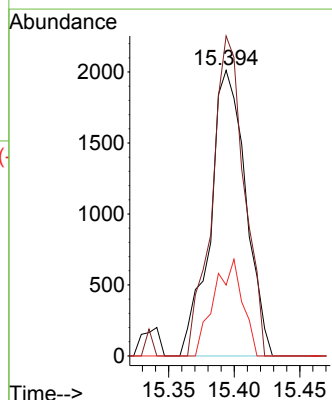
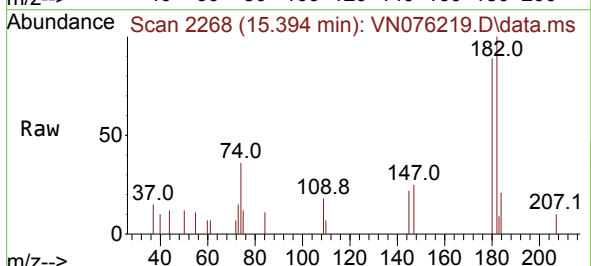
Tgt Ion:180 Resp: 3792

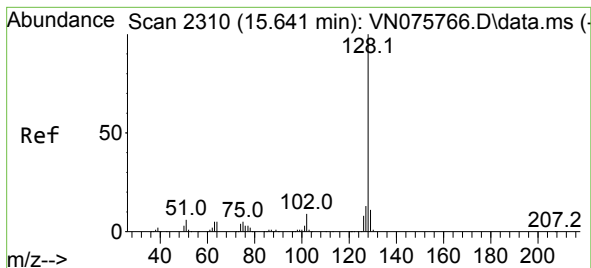
Ion Ratio Lower Upper

180 100

182 101.4 47.5 142.5

145 27.3 15.3 45.8





#95

Naphthalene

Concen: 3.979 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0112MBL01

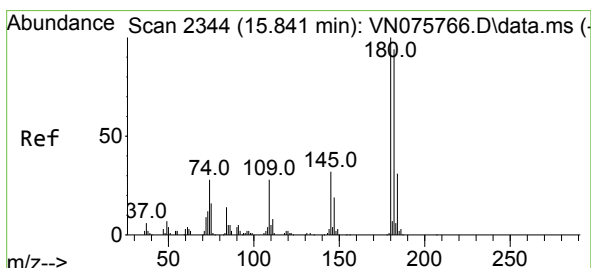
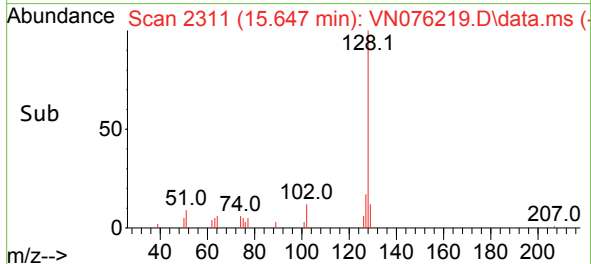
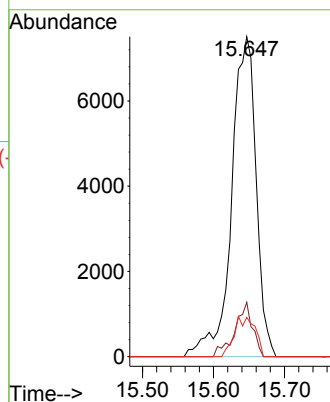
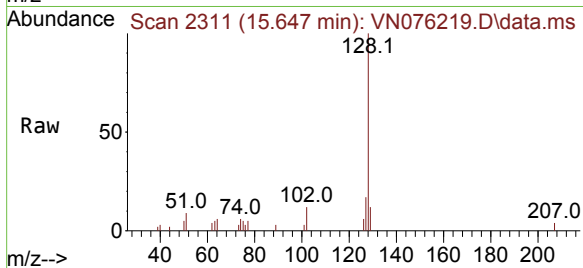
Tgt Ion:128 Resp: 18031

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

129 10.7 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.981 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076219.D

Acq: 12 Jan 2023 10:27

Tgt Ion:180 Resp: 5366

Ion Ratio Lower Upper

180 100

182 90.8 47.0 141.0

145 26.5 16.0 47.9

