

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022823\
 Data File : VN076837.D
 Acq On : 28 Feb 2023 18:57
 Operator : JC\MD
 Sample : 01724-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR53-VNJ201

Quant Time: Mar 01 01:32:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

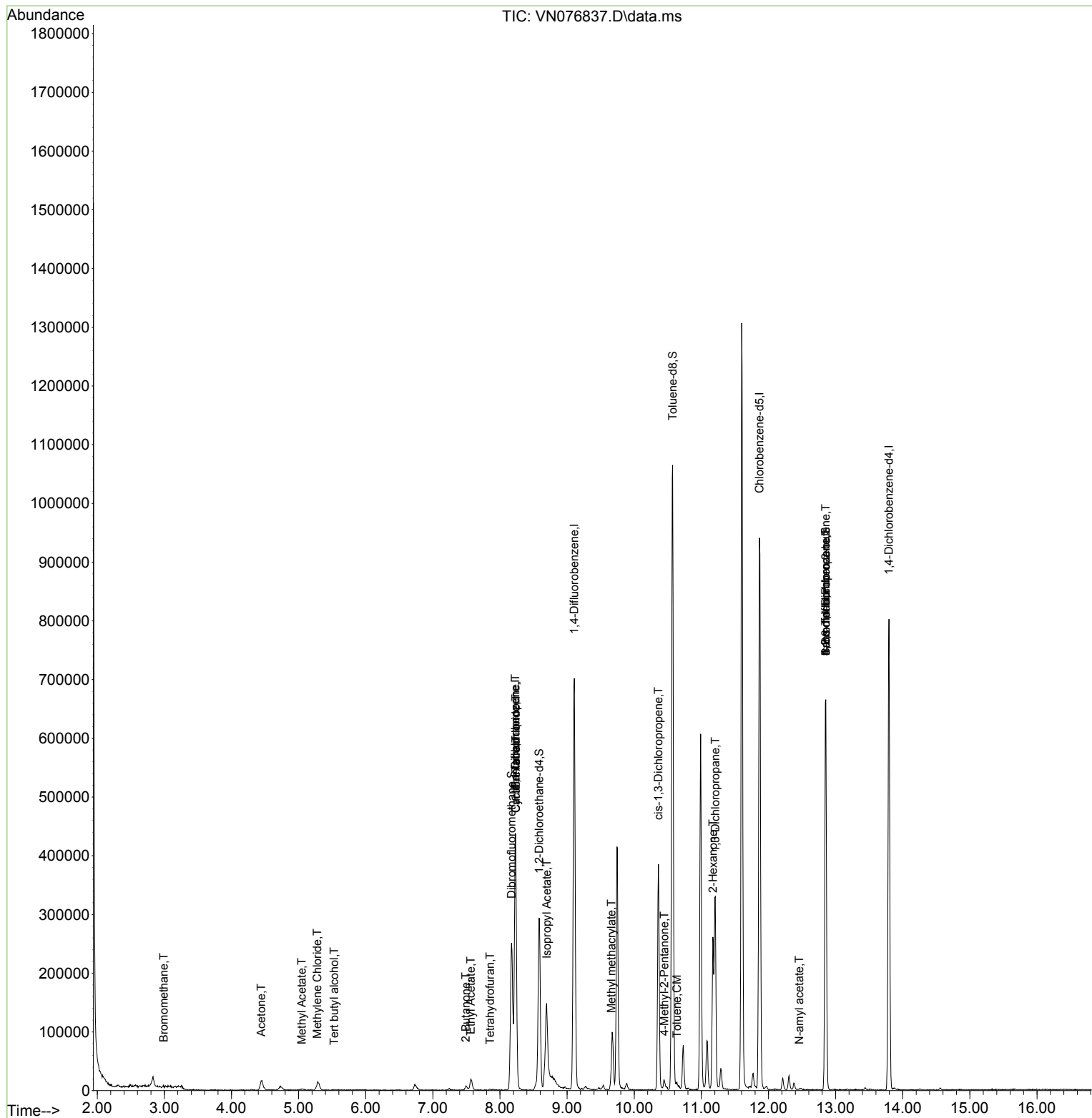
Internal Standards						
1) Pentafluorobenzene	8.230	168	307138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	577768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	531369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	196417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	230169	54.271	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.540%			
35) Dibromofluoromethane	8.172	113	172959	45.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.420%			
50) Toluene-d8	10.572	98	711363	50.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.854	95	214807	45.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.800%			
Target Compounds					Qvalue	
5) Bromomethane	2.990	94	528	0.208	ug/l #	6
11) Tert butyl alcohol	5.531	59	1378	2.462	ug/l	98
16) Acetone	4.442	43	32197	16.995	ug/l	92
18) Methyl Acetate	5.048	43	4745	0.767	ug/l #	88
20) Methylene Chloride	5.278	84	5523	1.391	ug/l #	87
25) 2-Butanone	7.489	43	10914	3.906	ug/l #	82
29) Tetrahydrofuran	7.854	42	1366	0.748	ug/l #	46
31) Cyclohexane	8.236	56	8526	1.282	ug/l #	36
36) 1,1-Dichloropropene	8.230	75	28870	5.281	ug/l #	49
37) Ethyl Acetate	7.566	43	30982	5.386	ug/l #	85
38) Carbon Tetrachloride	8.236	117	31900	5.784	ug/l #	17
43) Isopropyl Acetate	8.695	43	202137	21.597	ug/l #	79
48) Methyl methacrylate	9.660	41	6360	1.432	ug/l #	44
51) 4-Methyl-2-Pentanone	10.448	43	14765	2.479	ug/l	95
52) Toluene	10.636	92	3302	0.326	ug/l	90
54) cis-1,3-Dichloropropene	10.360	75	59228	9.339	ug/l #	70
57) 1,3-Dichloropropane	11.207	76	3599	0.508	ug/l #	42
59) 2-Hexanone	11.171	43	261052	60.798	ug/l #	27
71) Bromoform	12.854	173	3206	1.069	ug/l #	1
74) N-amyl acetate	12.460	43	2254	0.347	ug/l #	46
76) 1,2,3-Trichloropropane	12.854	75	121165	30.513	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	121165	88.870	ug/l #	4

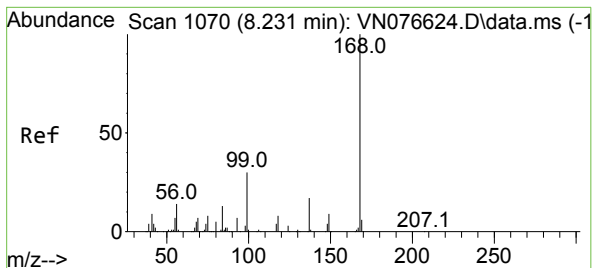
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076837.D

Acq: 28 Feb 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

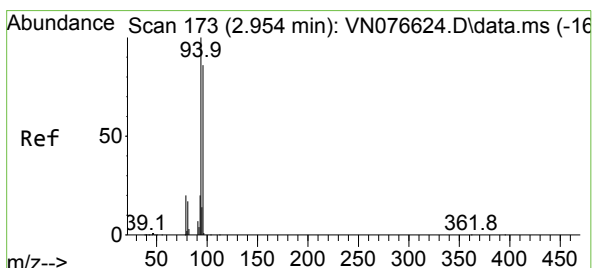
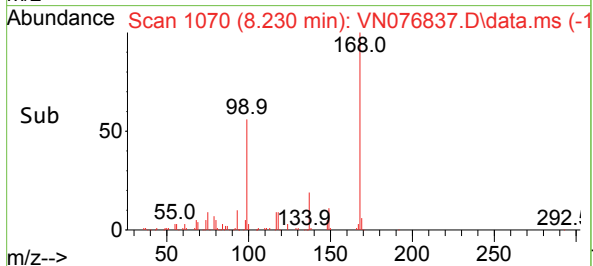
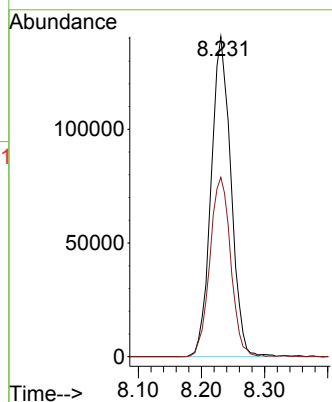
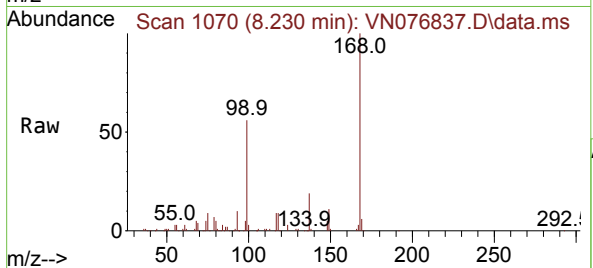
RBR53-VNJ201

Tgt Ion:168 Resp: 307138

Ion Ratio Lower Upper

168 100

99 56.0 44.8 67.2



#5

Bromomethane

Concen: 0.208 ug/l

RT: 2.990 min Scan# 179

Delta R.T. 0.036 min

Lab File: VN076837.D

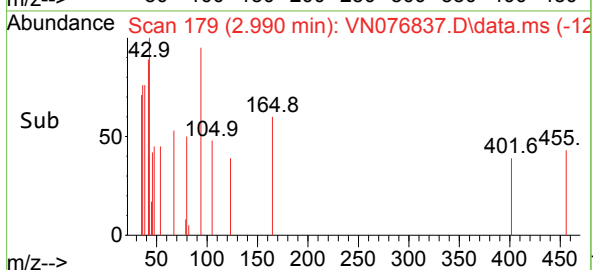
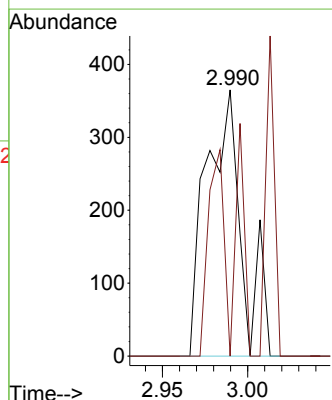
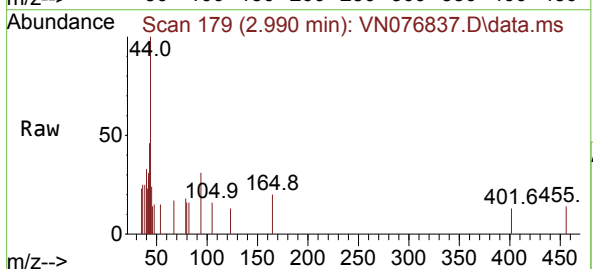
Acq: 28 Feb 2023 18:57

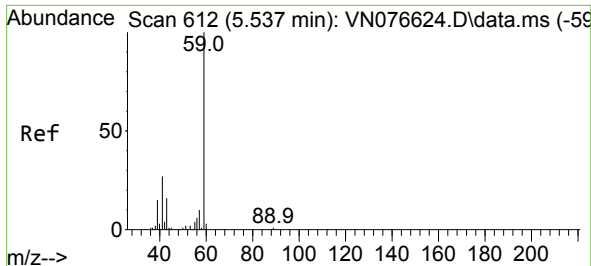
Tgt Ion: 94 Resp: 528

Ion Ratio Lower Upper

94 100

96 0.0 69.0 103.4#

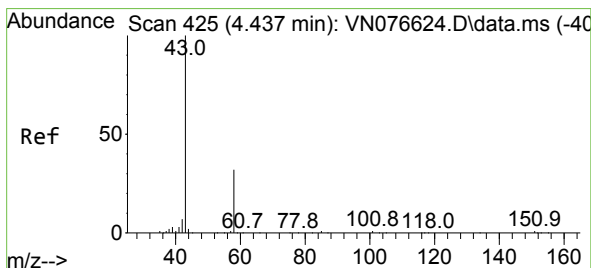
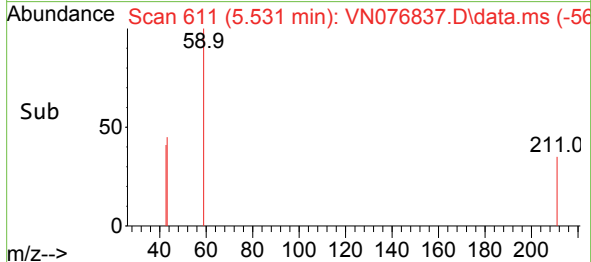
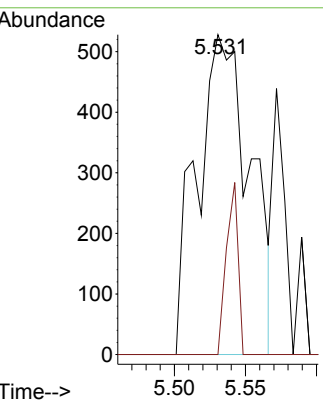
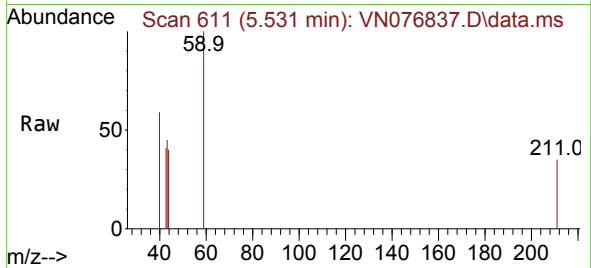




#11
Tert butyl alcohol
Concen: 2.462 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

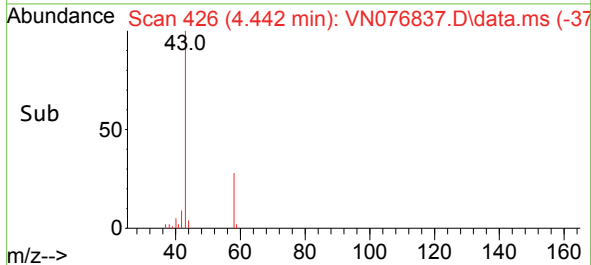
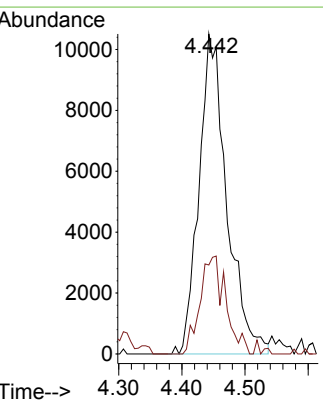
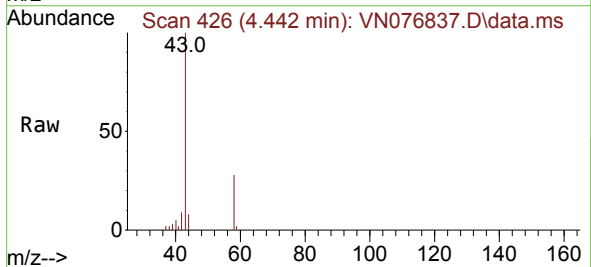
Instrument :
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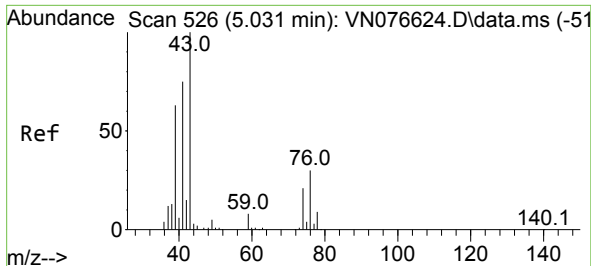
Tgt Ion: 59 Resp: 1378
Ion Ratio Lower Upper
59 100
57 11.8 8.7 13.1



#16
Acetone
Concen: 16.995 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion: 43 Resp: 32197
Ion Ratio Lower Upper
43 100
58 27.8 25.9 38.9

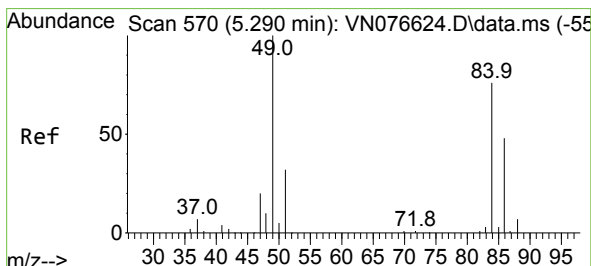
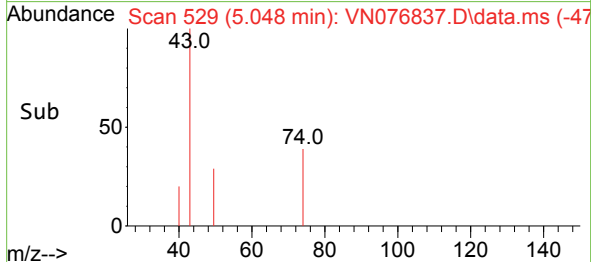
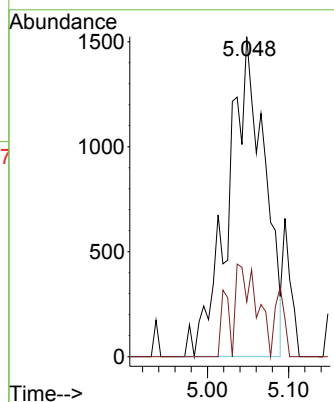
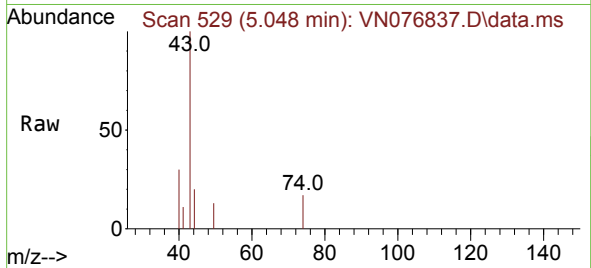




#18
Methyl Acetate
Concen: 0.767 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

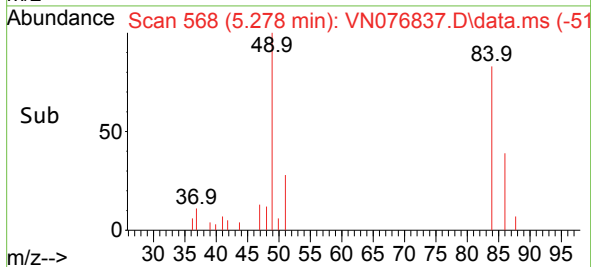
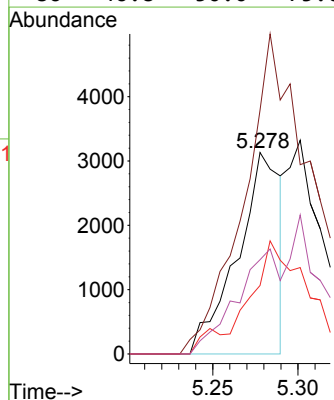
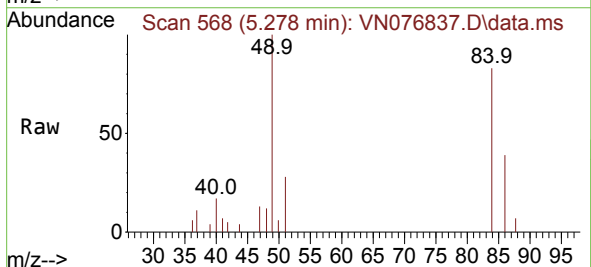
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MSVOA_N
ClientSampleId :
RBR53-VNJ201

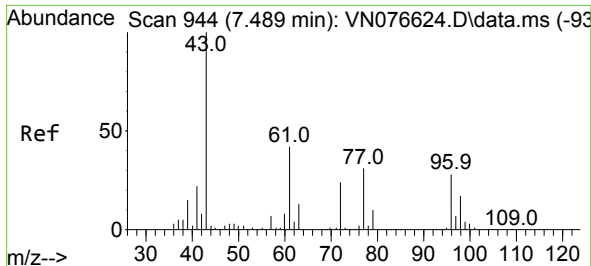
Tgt Ion: 43 Resp: 4745
Ion Ratio Lower Upper
43 100
74 16.3 17.7 26.5#



#20
Methylene Chloride
Concen: 1.391 ug/l
RT: 5.278 min Scan# 568
Delta R.T. -0.012 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion: 84 Resp: 5523
Ion Ratio Lower Upper
84 100
49 121.0 104.9 157.3
51 34.0 33.8 50.8
86 46.8 50.0 75.0#

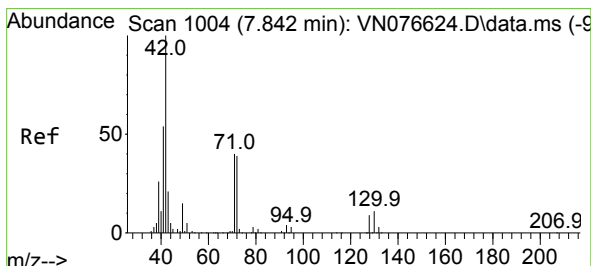
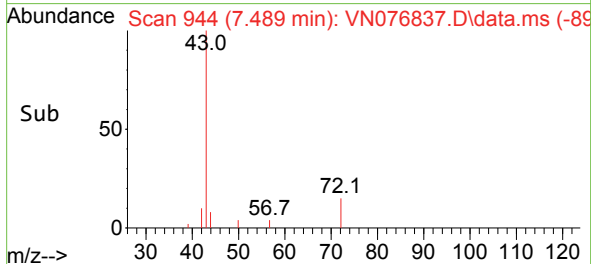
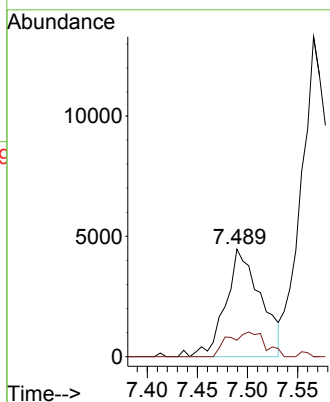
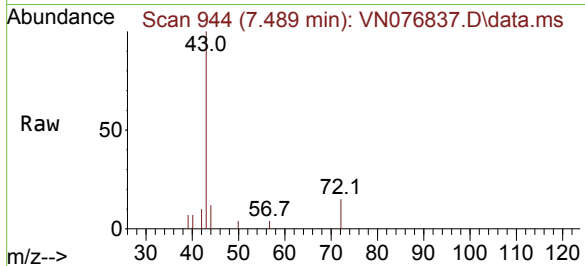




#25
2-Butanone
Concen: 3.906 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

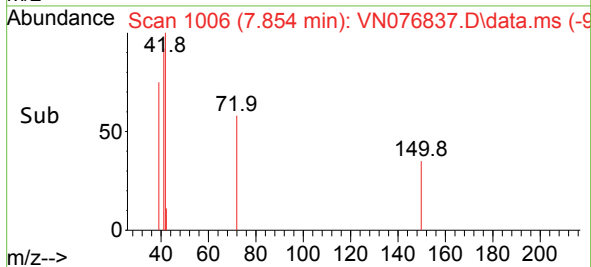
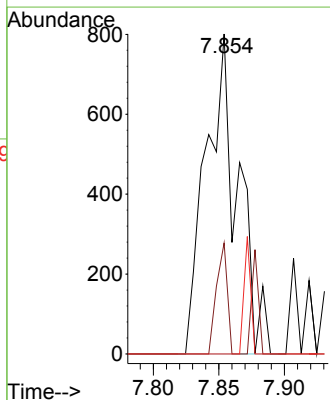
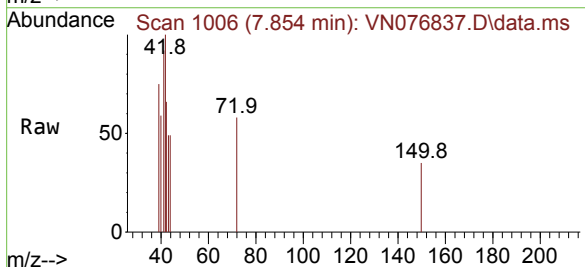
Instrument :
MSVOA_N
ClientSampleId :
RBR53-VNJ201

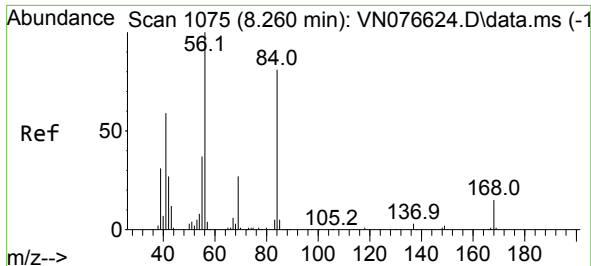
Tgt Ion: 43 Resp: 10914
Ion Ratio Lower Upper
43 100
72 15.4 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.748 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

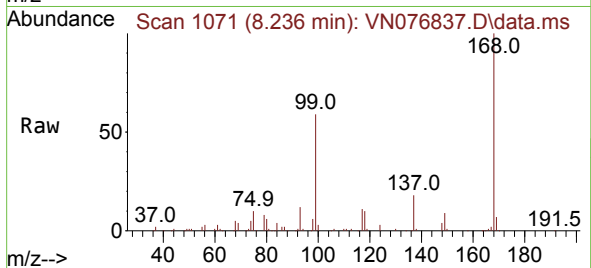
Tgt Ion: 42 Resp: 1366
Ion Ratio Lower Upper
42 100
72 11.6 31.5 47.3#
71 0.0 29.8 44.8#



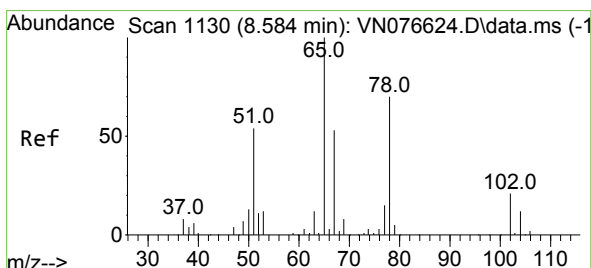
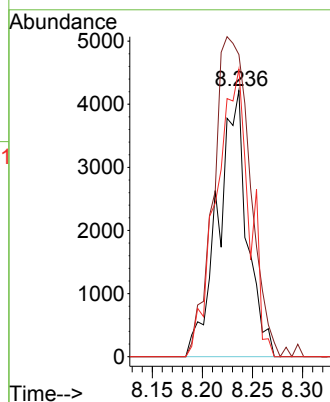
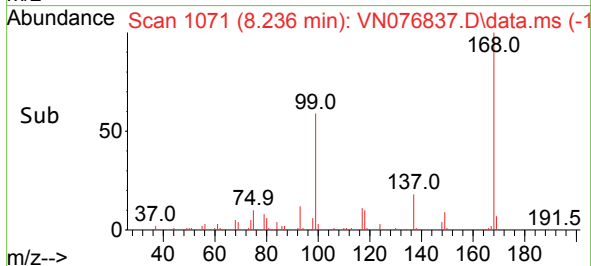


#31
Cyclohexane
Concen: 1.282 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Instrument :
MSVOA_N
ClientSampleId :
RBR53-VNJ201

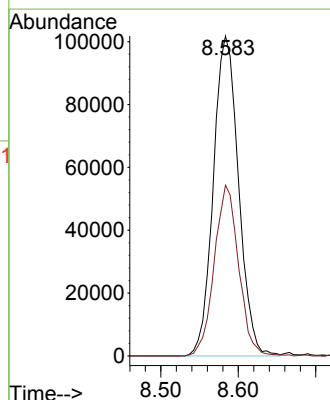
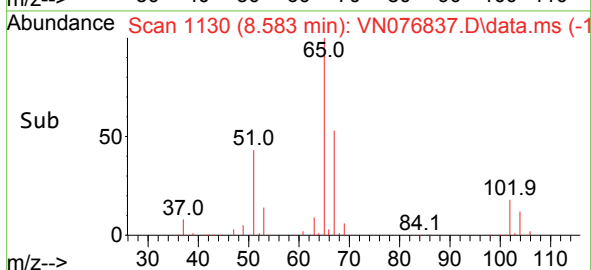
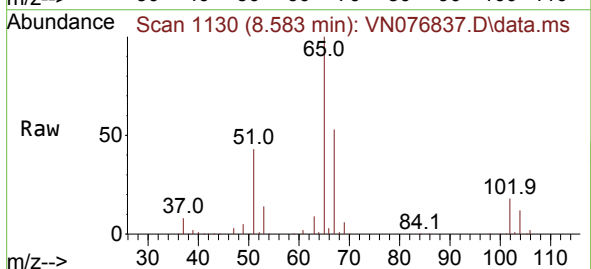


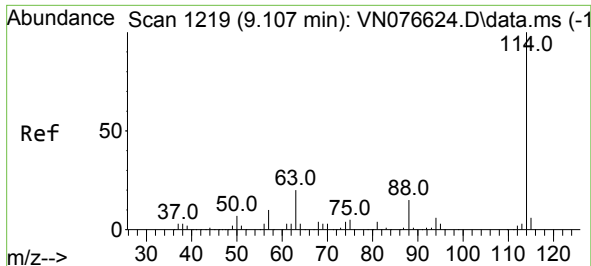
Tgt Ion: 56 Resp: 8526
Ion Ratio Lower Upper
56 100
69 113.4 21.6 32.4#
84 108.0 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 54.271 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion: 65 Resp: 230169
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.6

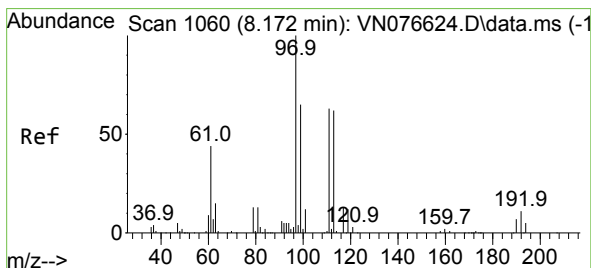
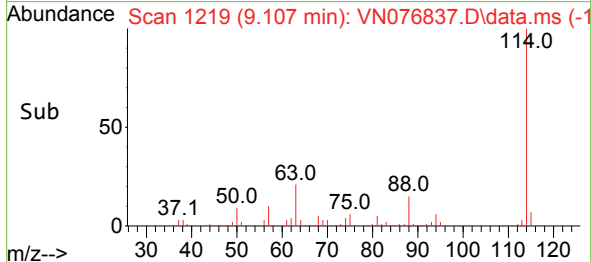
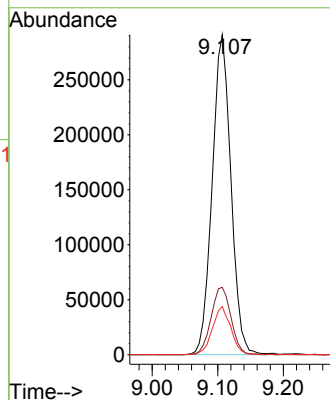
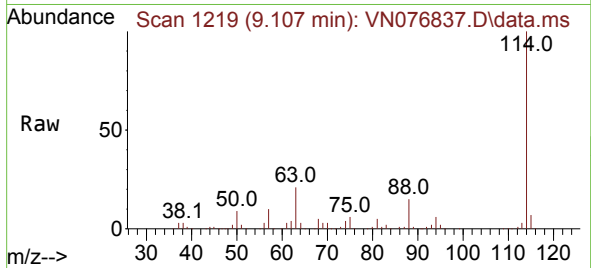




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

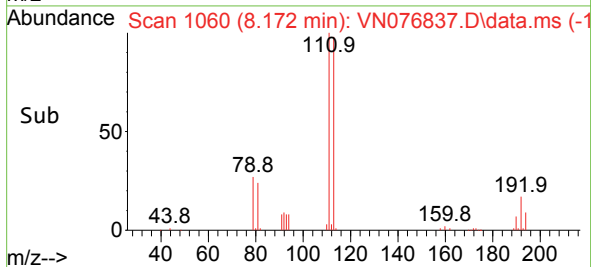
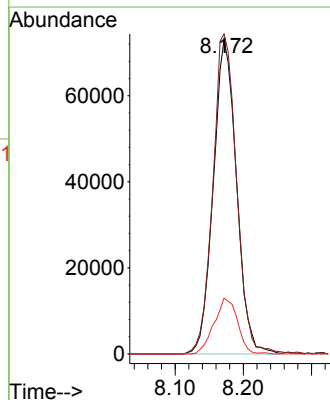
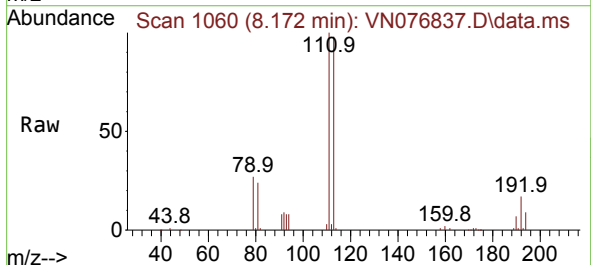
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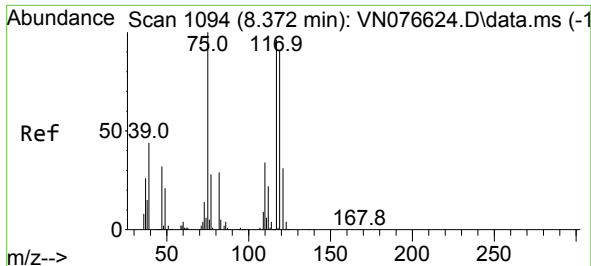
Tgt Ion:114 Resp: 577768
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 15.0 0.0 29.6



#35
Dibromofluoromethane
Concen: 45.712 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion:113 Resp: 172959
Ion Ratio Lower Upper
113 100
111 104.0 83.1 124.7
192 18.0 15.6 23.4

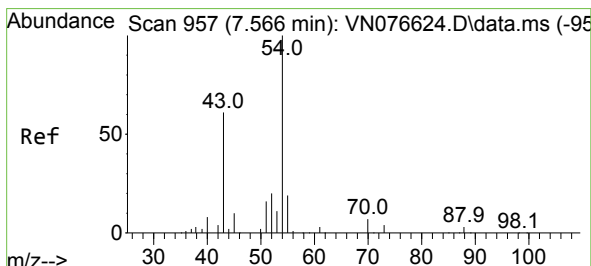
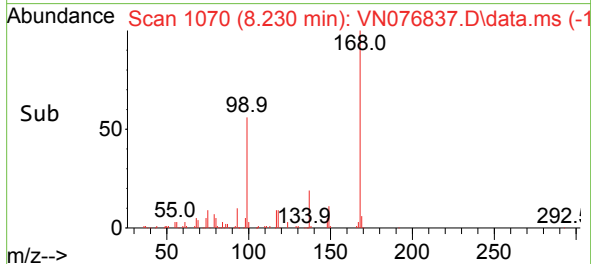
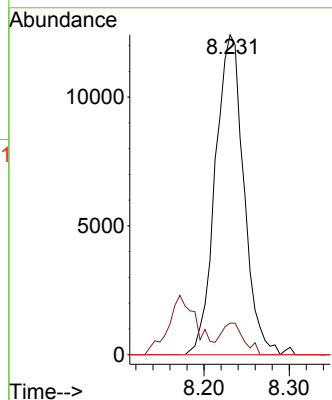
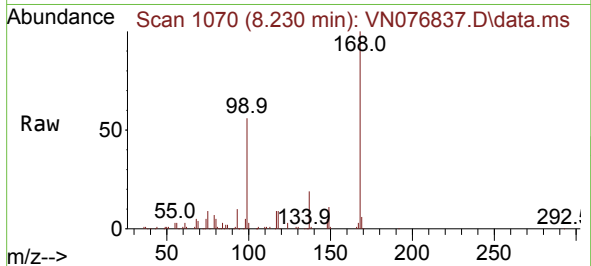




#36
1,1-Dichloropropene
Concen: 5.281 ug/l
RT: 8.230 min Scan# 1094
Delta R.T. -0.142 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

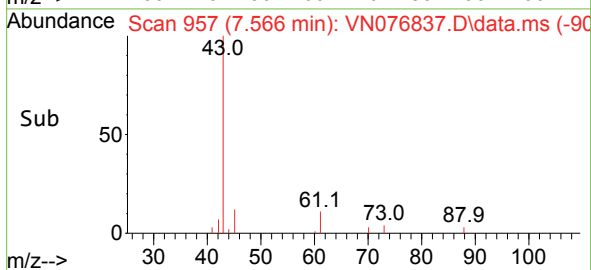
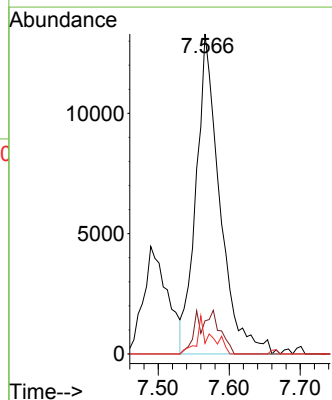
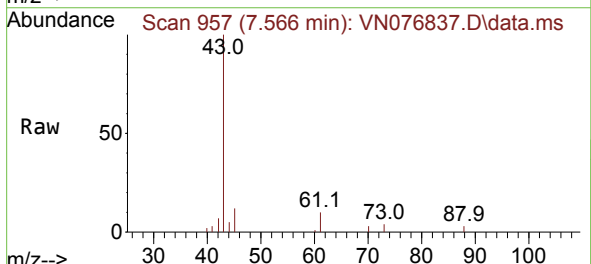
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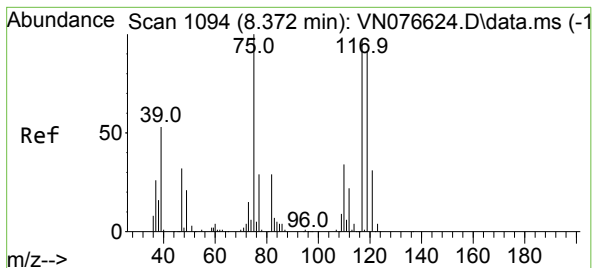
Tgt Ion: 75 Resp: 28870
Ion Ratio Lower Upper
75 100
110 7.8 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 5.386 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion: 43 Resp: 30982
Ion Ratio Lower Upper
43 100
61 4.2 9.9 14.9#
70 6.9 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 5.784 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.136 min

Lab File: VN076837.D

Acq: 28 Feb 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

RBR53-VNJ201

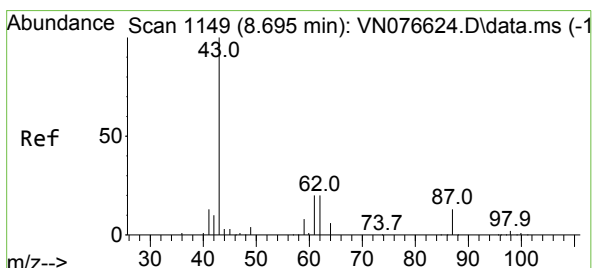
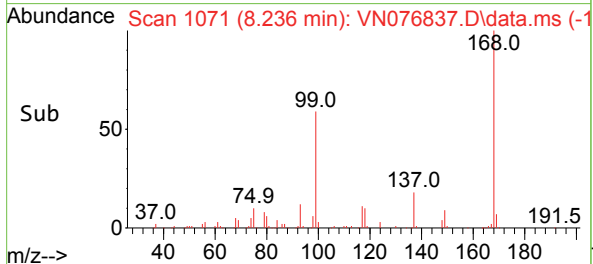
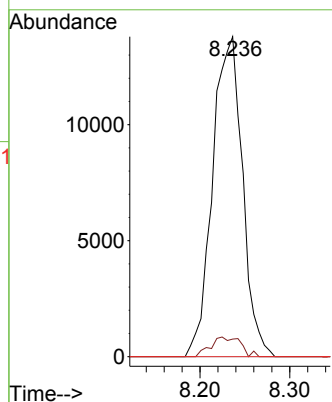
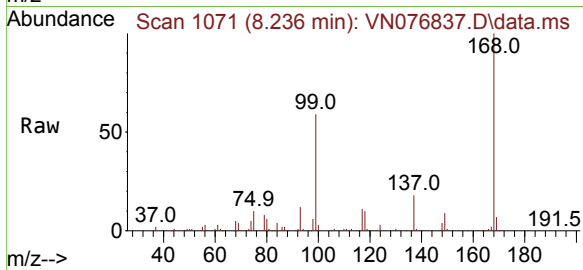
Tgt Ion:117 Resp: 31900

Ion Ratio Lower Upper

117 100

119 5.5 75.4 113.0#

121 0.0 26.0 39.0#



#43

Isopropyl Acetate

Concen: 21.597 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076837.D

Acq: 28 Feb 2023 18:57

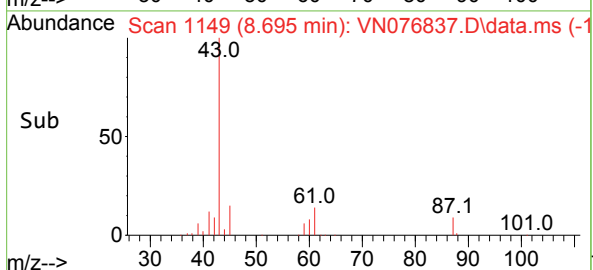
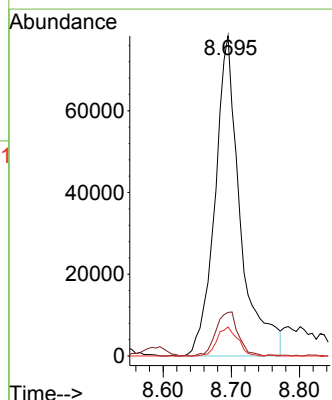
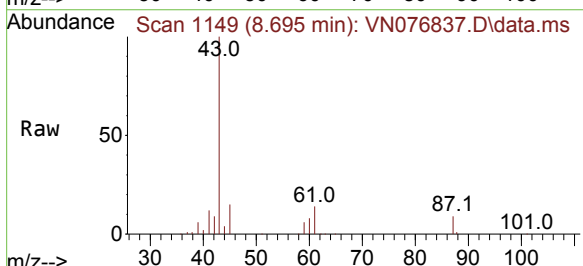
Tgt Ion: 43 Resp: 202137

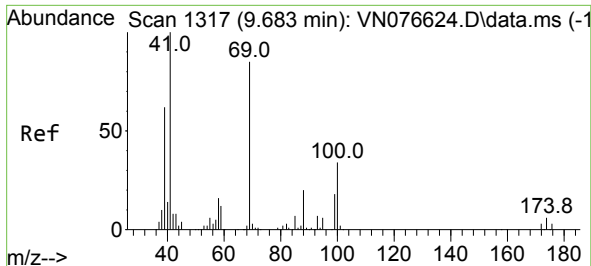
Ion Ratio Lower Upper

43 100

61 12.1 20.0 30.0#

87 7.4 9.9 14.9#

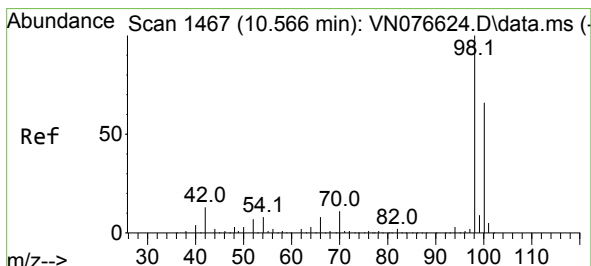
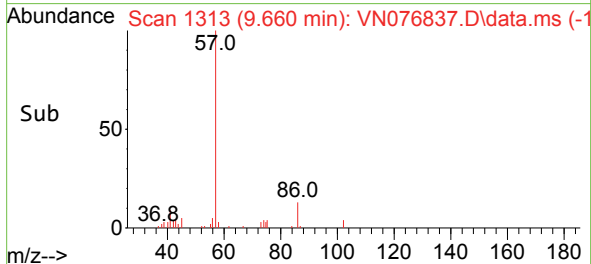
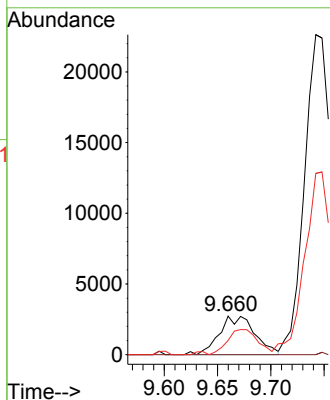
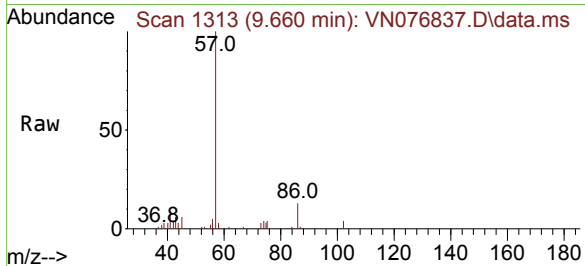




#48
Methyl methacrylate
Concen: 1.432 ug/l
RT: 9.660 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

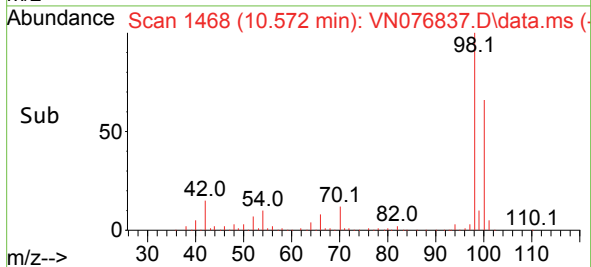
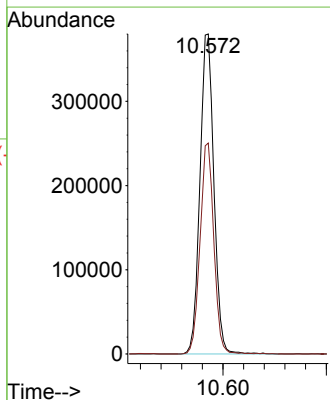
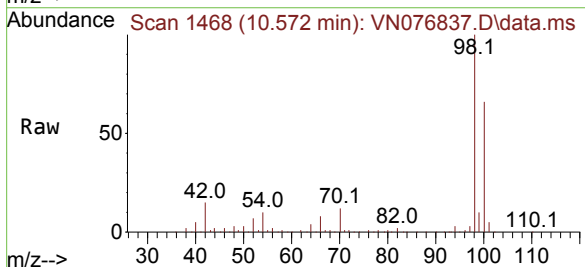
Instrument :
MSVOA_N
ClientSampleId :
RBR53-VNJ201

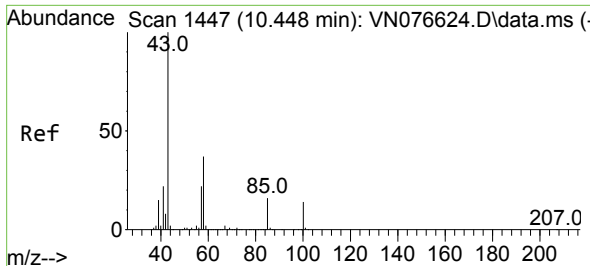
Tgt Ion: 41 Resp: 6360
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 55.2 49.3 73.9



#50
Toluene-d8
Concen: 50.343 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion: 98 Resp: 711363
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 2.479 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VN076837.D

Acq: 28 Feb 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

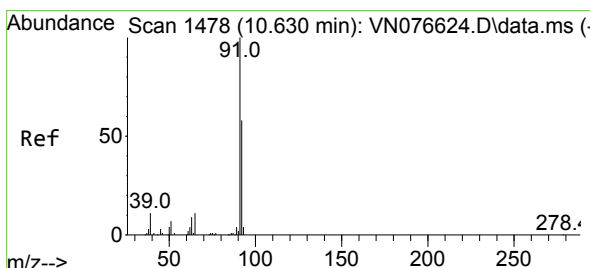
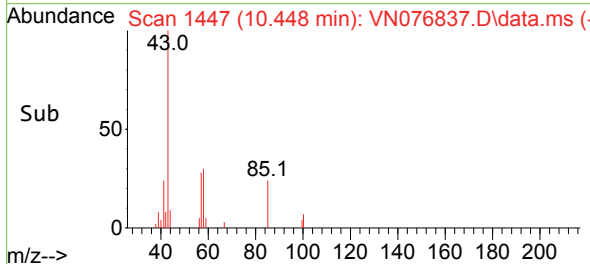
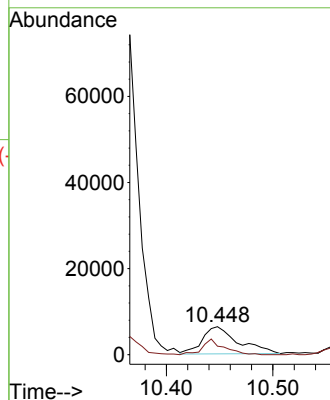
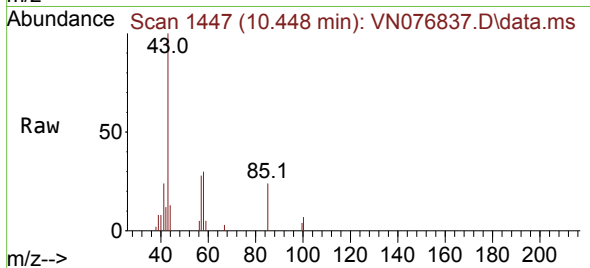
RBR53-VNJ201

Tgt Ion: 43 Resp: 14765

Ion Ratio Lower Upper

43 100

58 34.0 29.5 44.3



#52

Toluene

Concen: 0.326 ug/l

RT: 10.636 min Scan# 1479

Delta R.T. 0.006 min

Lab File: VN076837.D

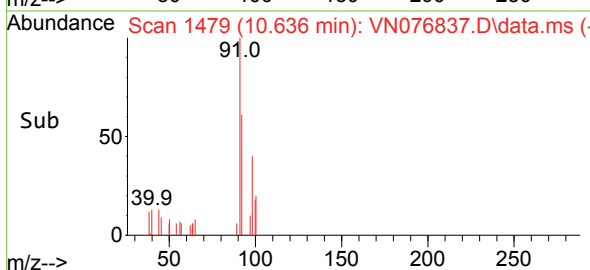
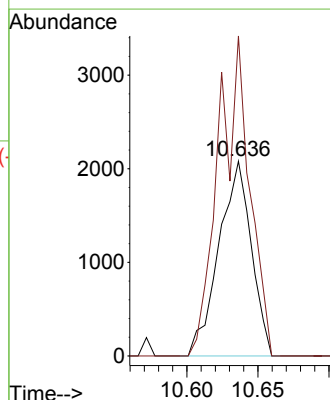
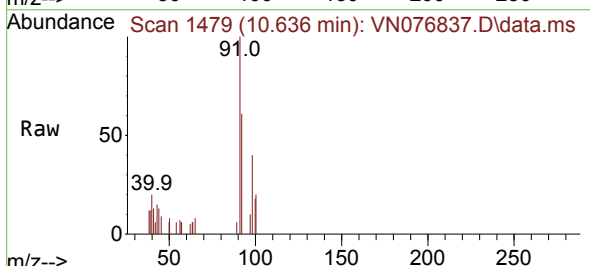
Acq: 28 Feb 2023 18:57

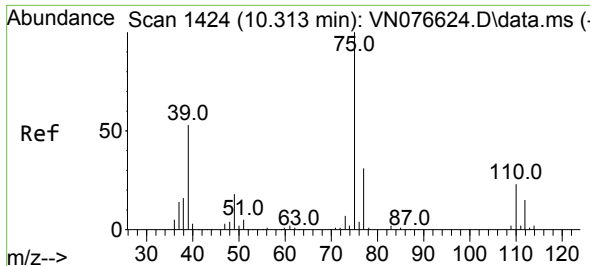
Tgt Ion: 92 Resp: 3302

Ion Ratio Lower Upper

92 100

91 158.1 138.0 207.0

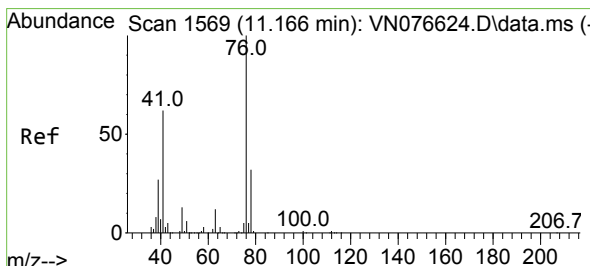
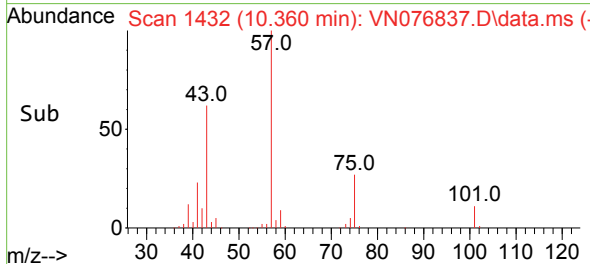
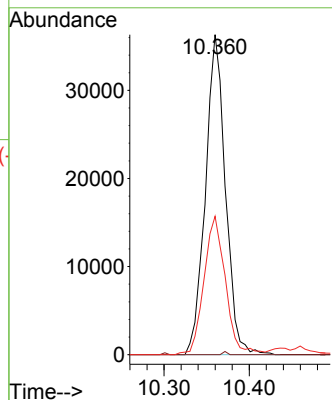
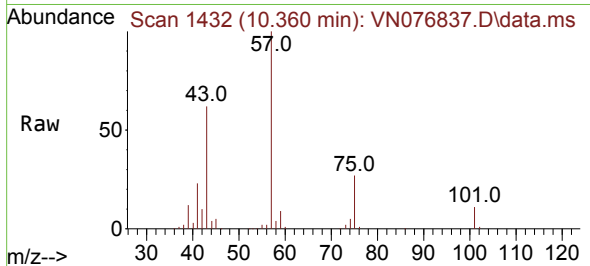




#54
 cis-1,3-Dichloropropene
 Concen: 9.339 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN076837.D
 Acq: 28 Feb 2023 18:57

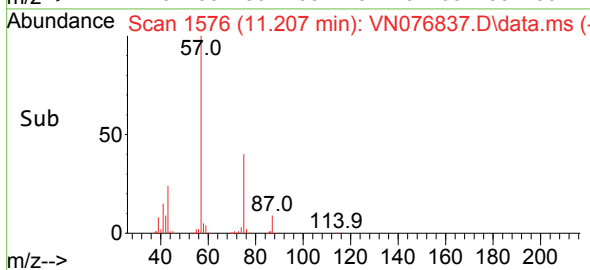
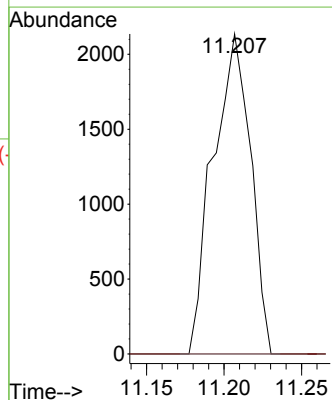
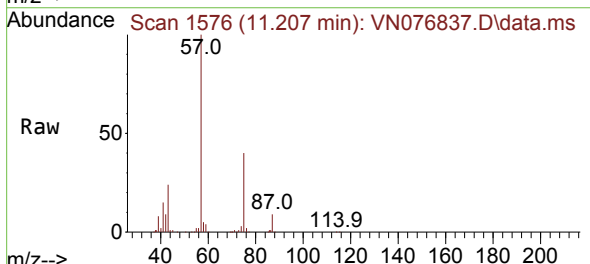
Instrument :
 MSVOA_N
 ClientSampleId :
 RBR53-VNJ201

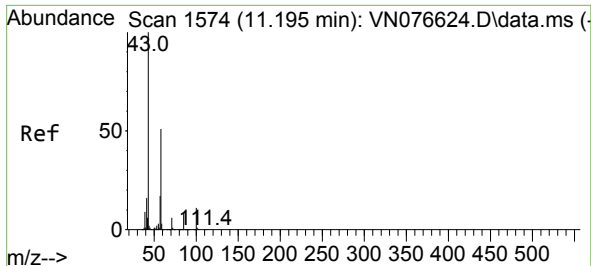
Tgt Ion: 75 Resp: 59228
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 42.6 42.3 63.5



#57
 1,3-Dichloropropane
 Concen: 0.508 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN076837.D
 Acq: 28 Feb 2023 18:57

Tgt Ion: 76 Resp: 3599
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

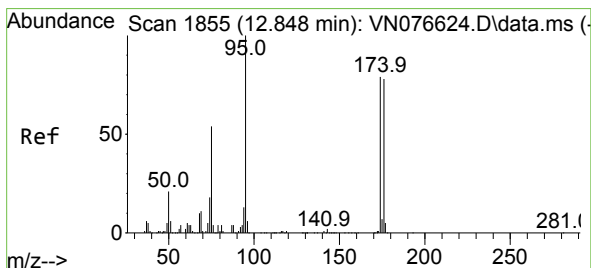
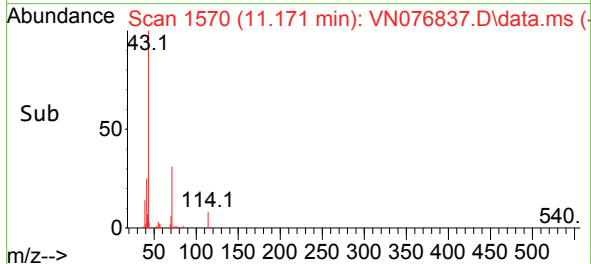
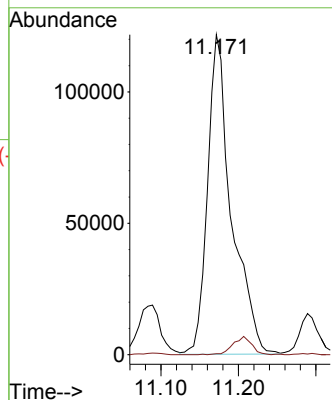
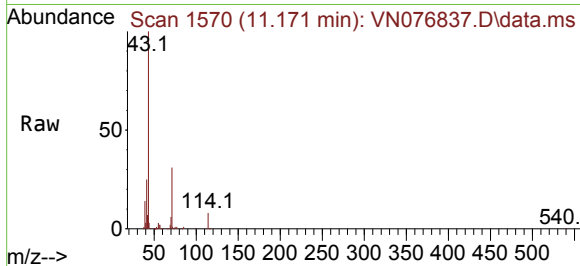




#59
2-Hexanone
Concen: 60.798 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

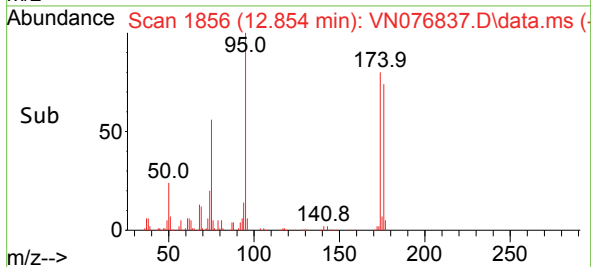
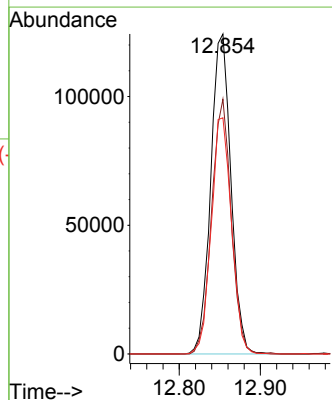
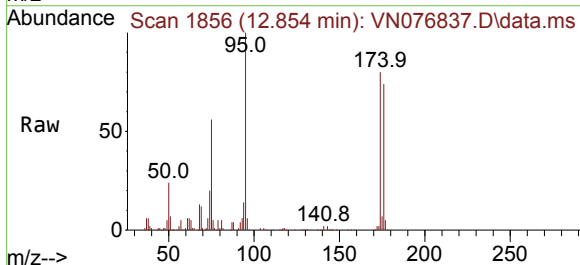
Instrument :
MSVOA_N
ClientSampleId :
RBR53-VNJ201

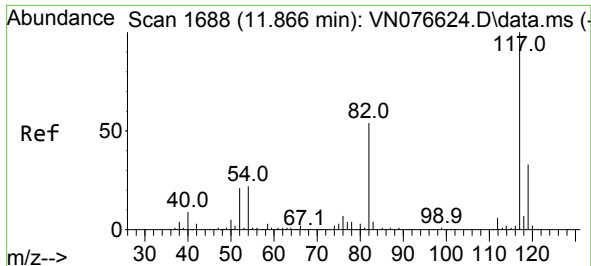
Tgt Ion: 43 Resp: 261052
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#



#62
4-Bromofluorobenzene
Concen: 45.899 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion: 95 Resp: 214807
Ion Ratio Lower Upper
95 100
174 77.2 0.0 169.2
176 74.1 0.0 163.4

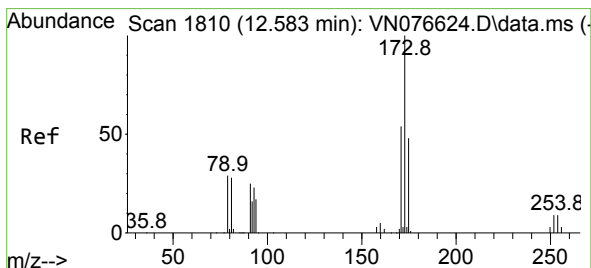
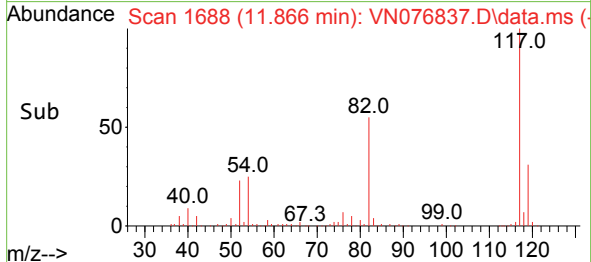
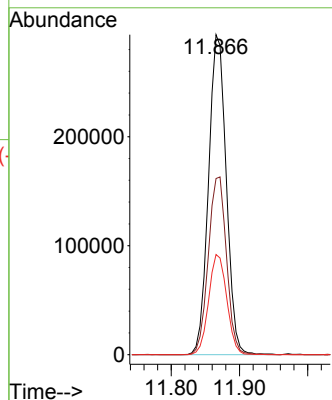
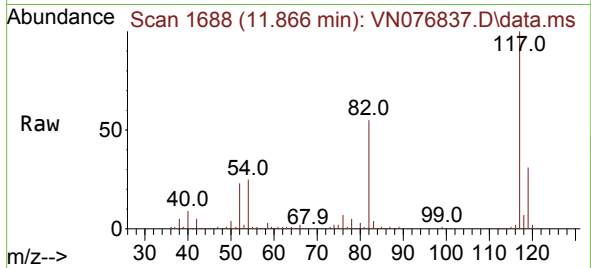




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

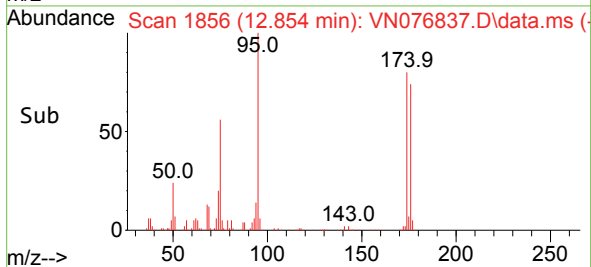
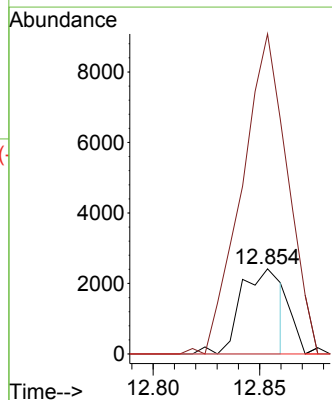
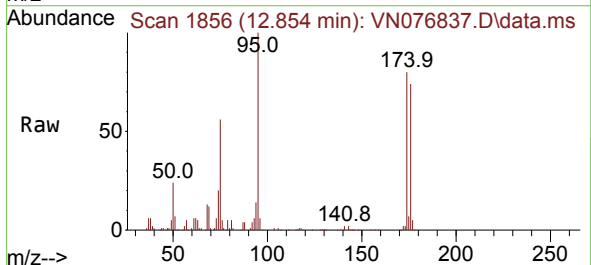
Instrument :
MSVOA_N
ClientSampleId :
RBR53-VNJ201

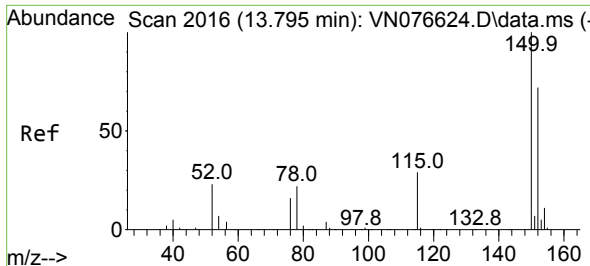
Tgt Ion:117 Resp: 531369
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.2
119 31.3 26.1 39.1



#71
Bromoform
Concen: 1.069 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion:173 Resp: 3206
Ion Ratio Lower Upper
173 100
175 359.4 24.9 74.7#
254 0.0 0.1 0.1#

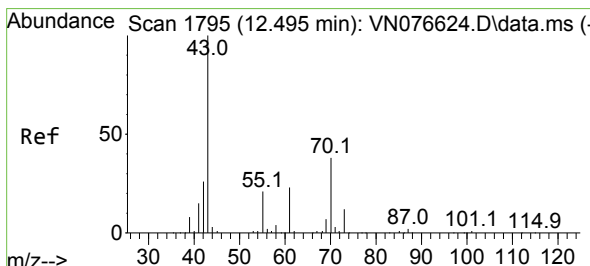
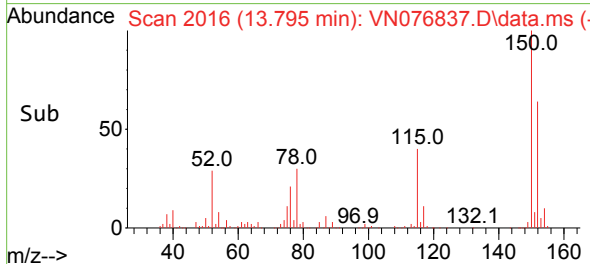
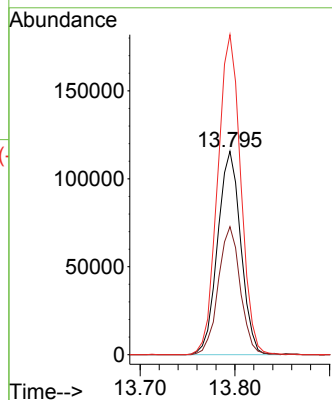
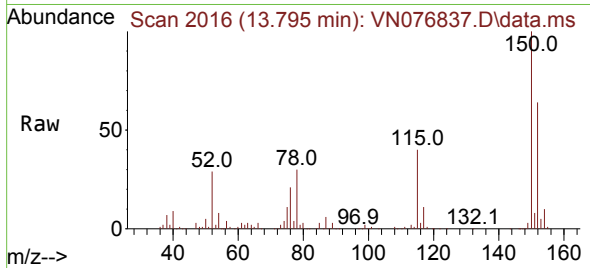




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

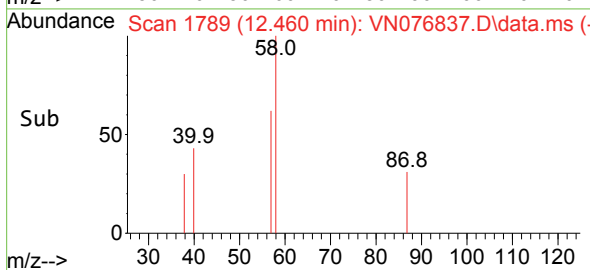
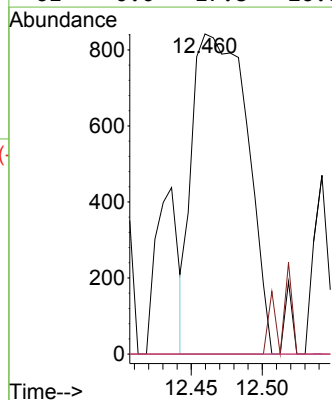
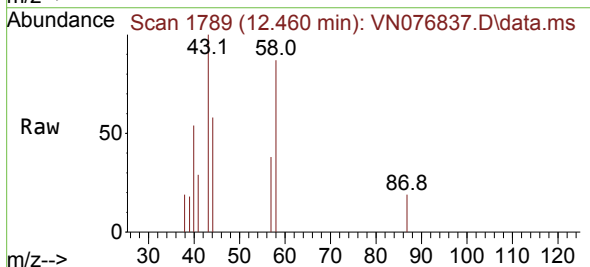
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MSVOA_N
ClientSampleId :
RBR53-VNJ201

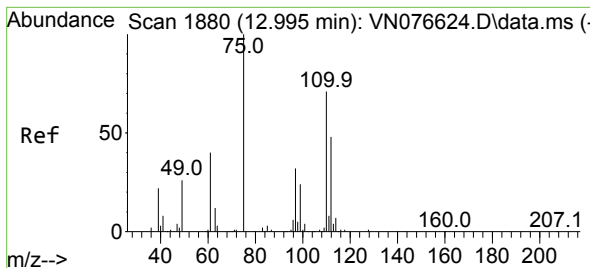
Tgt Ion:152 Resp: 196417
Ion Ratio Lower Upper
152 100
115 60.0 29.3 87.9
150 157.1 0.0 349.8



#74
N-ethyl acetate
Concen: 0.347 ug/l
RT: 12.460 min Scan# 1789
Delta R.T. -0.035 min
Lab File: VN076837.D
Acq: 28 Feb 2023 18:57

Tgt Ion: 43 Resp: 2254
Ion Ratio Lower Upper
43 100
70 0.0 30.5 45.7#
55 0.0 17.8 26.8#
61 0.0 17.8 26.8#





#76

1,2,3-Trichloropropane

Concen: 30.513 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076837.D

Acq: 28 Feb 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

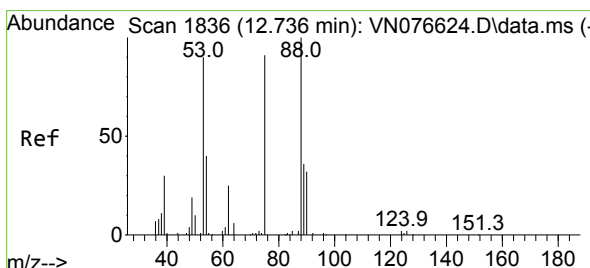
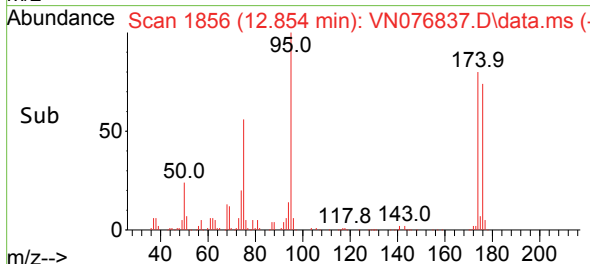
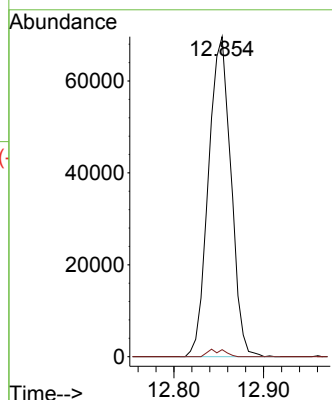
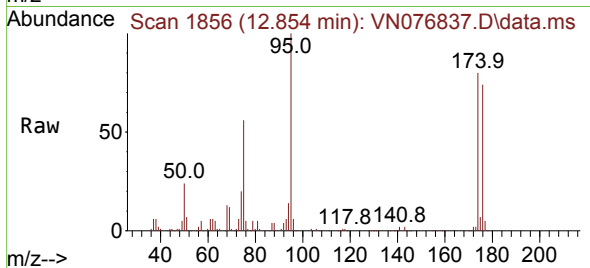
RBR53-VNJ201

Tgt Ion: 75 Resp: 121165

Ion Ratio Lower Upper

75 100

77 1.7 93.1 279.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.870 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN076837.D

Acq: 28 Feb 2023 18:57

Tgt Ion: 75 Resp: 121165

Ion Ratio Lower Upper

75 100

53 0.1 92.1 138.1#

89 0.0 37.5 56.3#

