

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022423\
 Data File : VN076806.D
 Acq On : 24 Feb 2023 13:50
 Operator : JC\MD
 Sample : 01665-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-231

Quant Time: Feb 25 01:44:42 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)

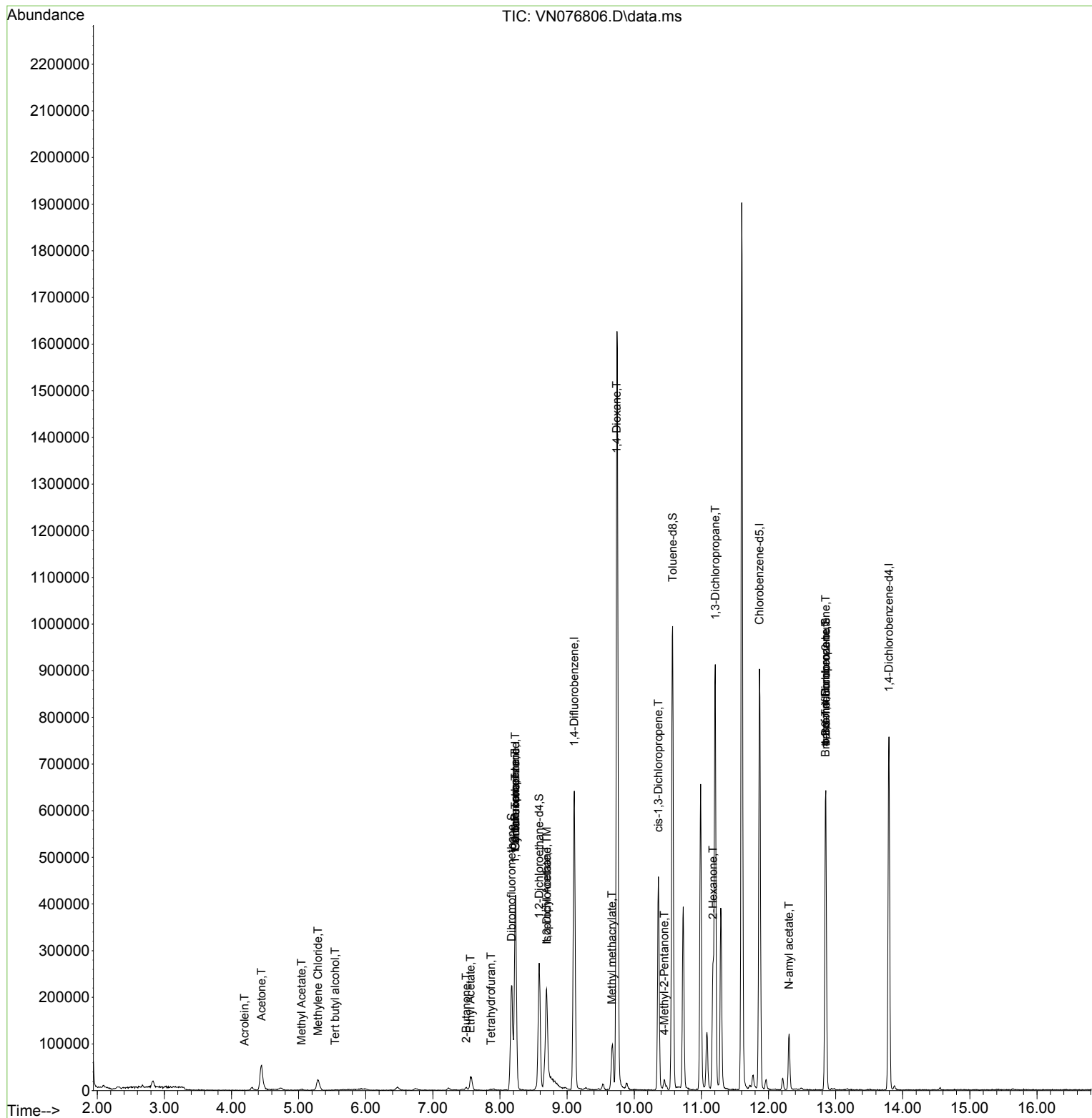
Internal Standards						
1) Pentafluorobenzene	8.231	168	294585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	525642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	501882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	191188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	209007	51.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.760%			
35) Dibromofluoromethane	8.172	113	159692	46.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.780%			
50) Toluene-d8	10.572	98	661177	51.431	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.854	95	205945	48.369	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.740%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.543	59	409	0.762	ug/l #	71
13) Acrolein	4.196	56	261	0.324	ug/l #	14
16) Acetone	4.448	43	101330	55.767	ug/l	93
18) Methyl Acetate	5.043	43	2547	0.429	ug/l #	75
20) Methylene Chloride	5.290	84	16216	4.258	ug/l #	81
25) 2-Butanone	7.495	43	8742	3.262	ug/l #	89
29) Tetrahydrofuran	7.866	42	978	0.558	ug/l #	49
31) Cyclohexane	8.231	56	8672	1.359	ug/l #	11
36) 1,1-Dichloropropene	8.225	75	26667	5.362	ug/l #	50
37) Ethyl Acetate	7.560	43	43709	8.353	ug/l #	90
38) Carbon Tetrachloride	8.231	117	29393	5.858	ug/l #	19
42) 1,2-Dichloroethane	8.695	62	1581	0.297	ug/l #	74
43) Isopropyl Acetate	8.695	43	292051	34.298	ug/l #	80
48) Methyl methacrylate	9.666	41	6725	1.664	ug/l #	47
49) 1,4-Dioxane	9.736	88	233	3.334	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	21434	3.956	ug/l #	76
54) cis-1,3-Dichloropropene	10.360	75	72176	12.510	ug/l #	68
57) 1,3-Dichloropropane	11.207	76	8659	1.344	ug/l #	42
59) 2-Hexanone	11.172	43	211033	54.023	ug/l #	27
71) Bromoform	12.848	173	1463	0.516	ug/l #	1
74) N-amyl acetate	12.307	43	44105	6.983	ug/l #	54
76) 1,2,3-Trichloropropane	12.854	75	118622	30.689	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	118622	89.384	ug/l #	4

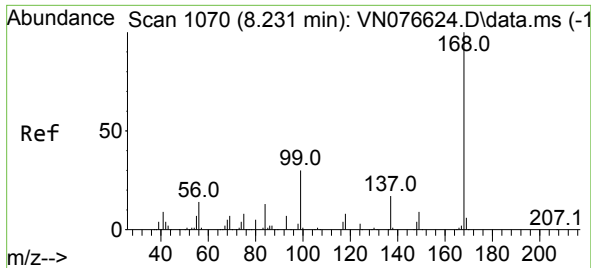
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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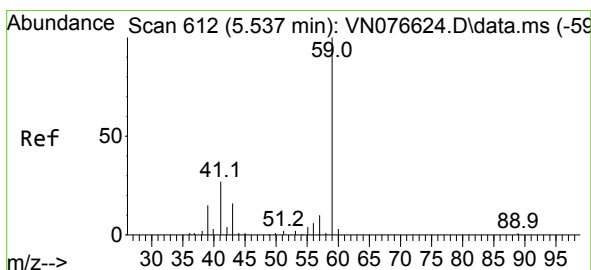
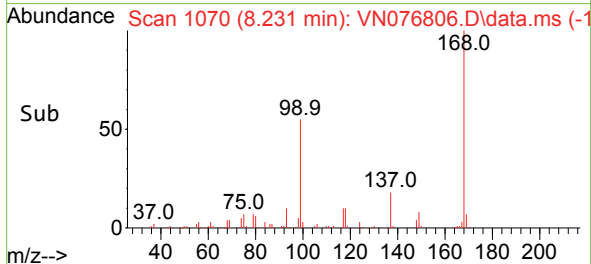
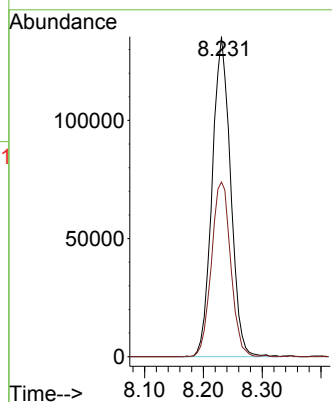
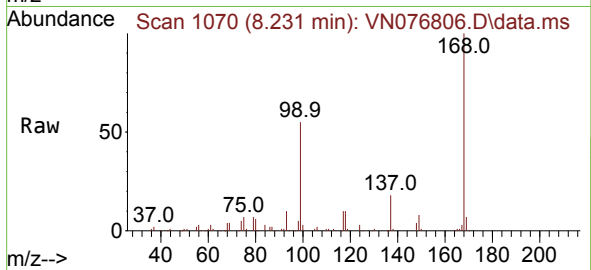




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

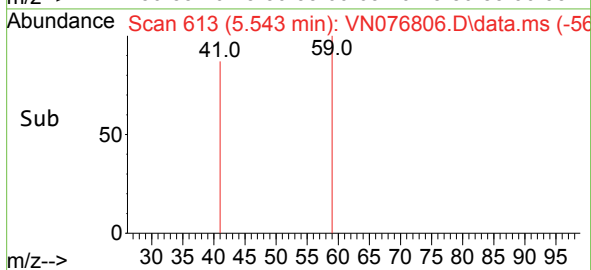
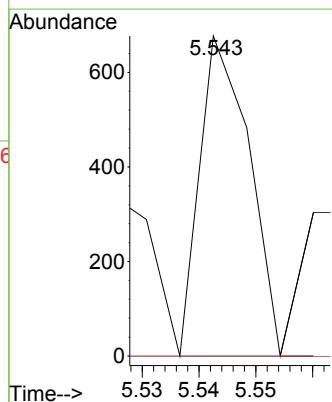
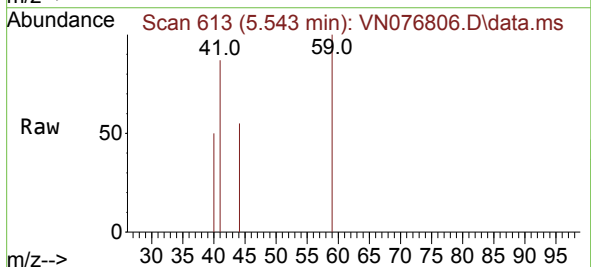
Instrument :
MSVOA_N
ClientSampleId :
VNJ-231

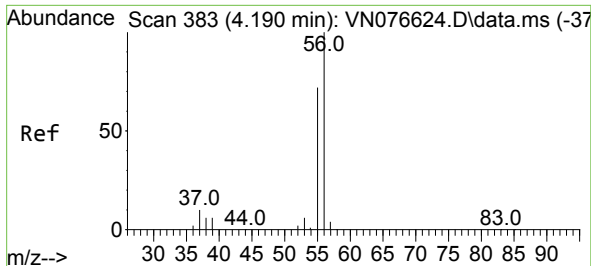
Tgt Ion:168 Resp: 294585
Ion Ratio Lower Upper
168 100
99 54.5 44.8 67.2



#11
Tert butyl alcohol
Concen: 0.762 ug/l
RT: 5.543 min Scan# 613
Delta R.T. 0.006 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.324 ug/l

RT: 4.196 min Scan# 383

Delta R.T. 0.006 min

Lab File: VN076806.D

Acq: 24 Feb 2023 13:50

Instrument :

MSVOA_N

ClientSampleId :

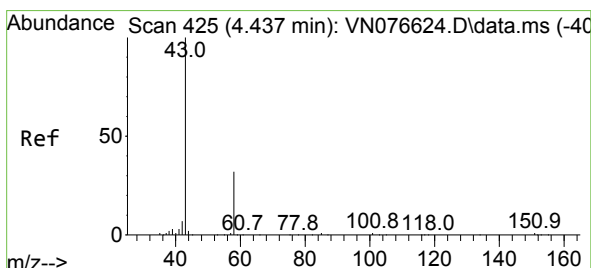
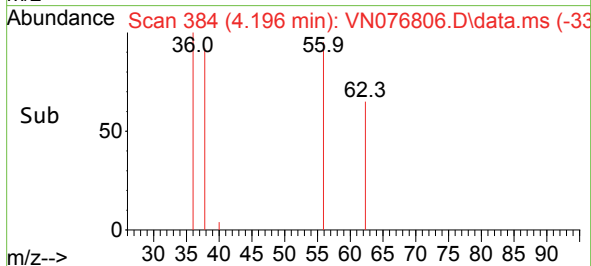
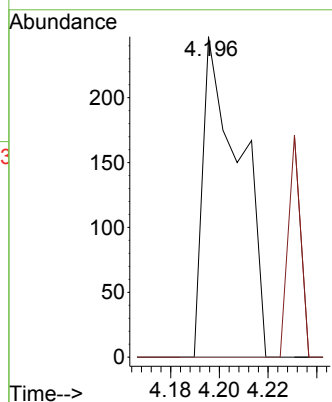
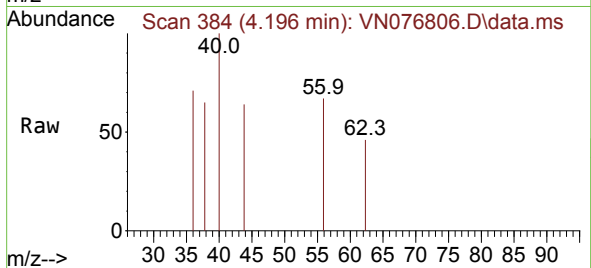
VNJ-231

Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#



#16

Acetone

Concen: 55.767 ug/l

RT: 4.448 min Scan# 427

Delta R.T. 0.011 min

Lab File: VN076806.D

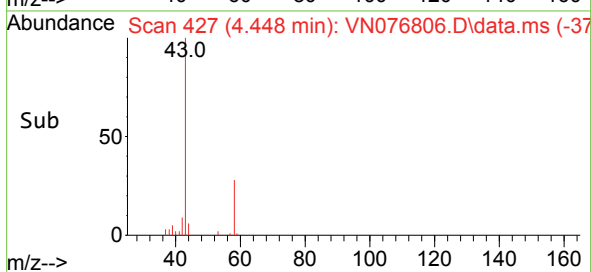
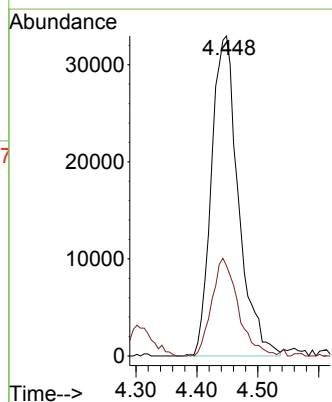
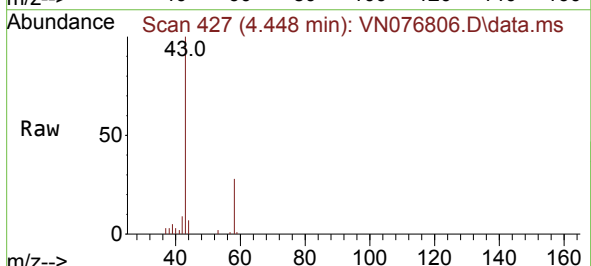
Acq: 24 Feb 2023 13:50

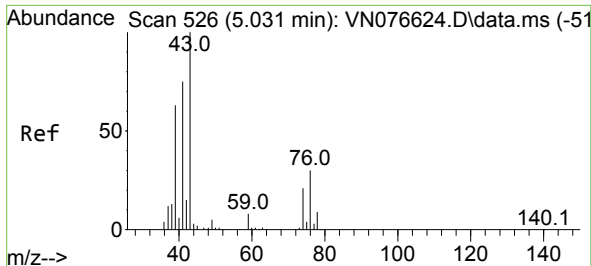
Tgt Ion: 43 Resp: 101330

Ion Ratio Lower Upper

43 100

58 28.2 25.9 38.9

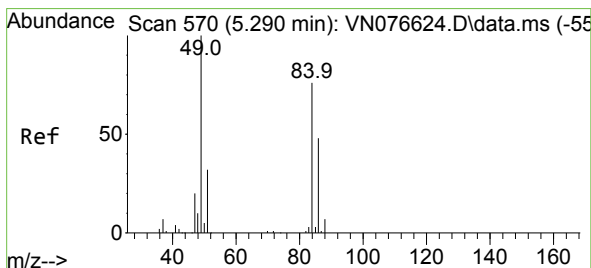
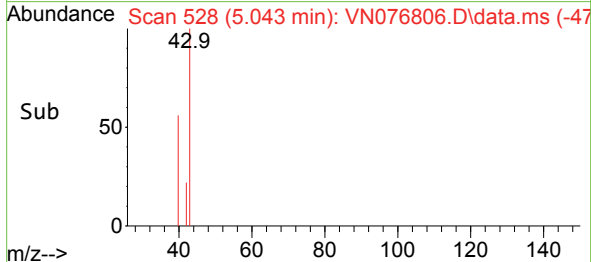
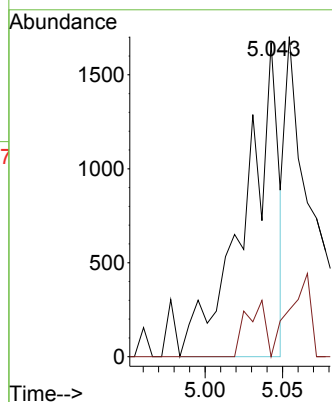
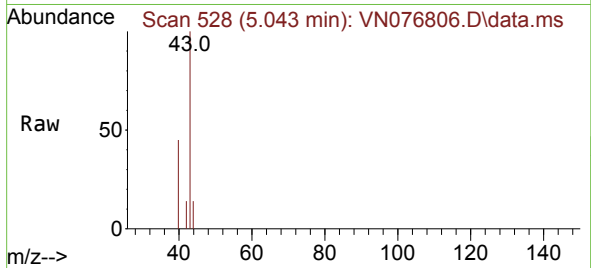




#18
Methyl Acetate
Concen: 0.429 ug/l
RT: 5.043 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

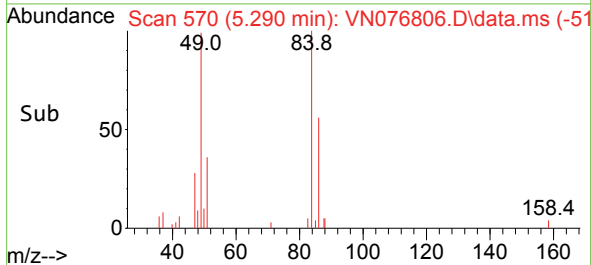
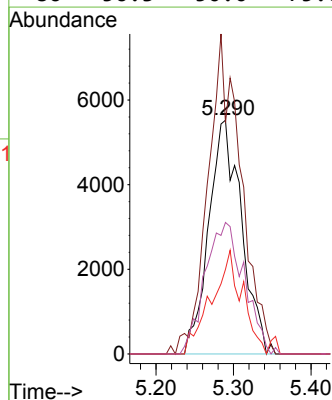
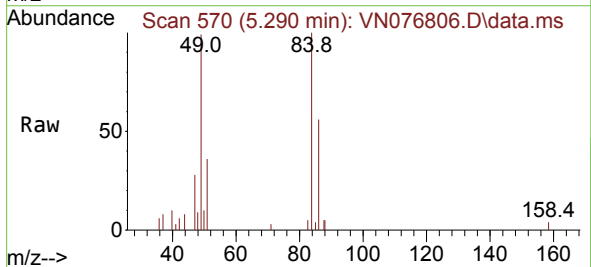
Instrument :
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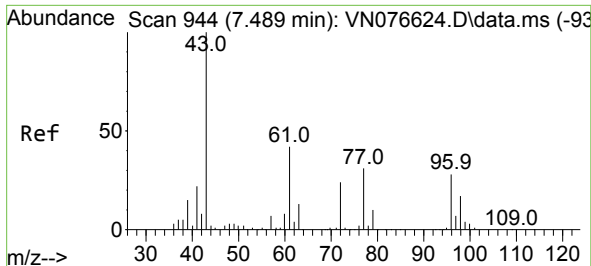
Tgt Ion: 43 Resp: 2547
Ion Ratio Lower Upper
43 100
74 10.1 17.7 26.5#



#20
Methylene Chloride
Concen: 4.258 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 84 Resp: 16216
Ion Ratio Lower Upper
84 100
49 98.8 104.9 157.3#
51 36.2 33.8 50.8
86 56.3 50.0 75.0

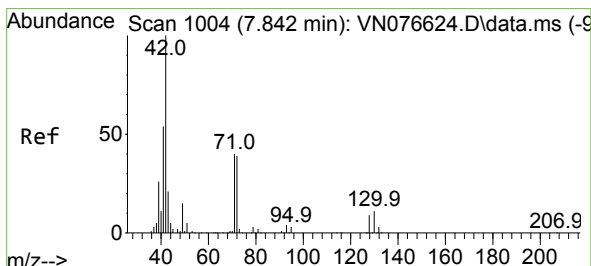
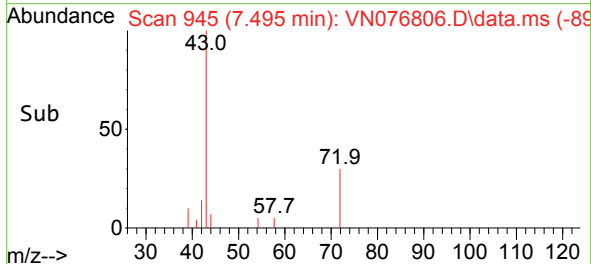
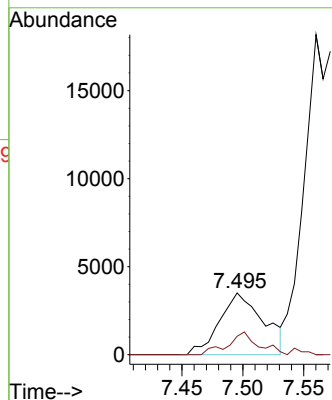
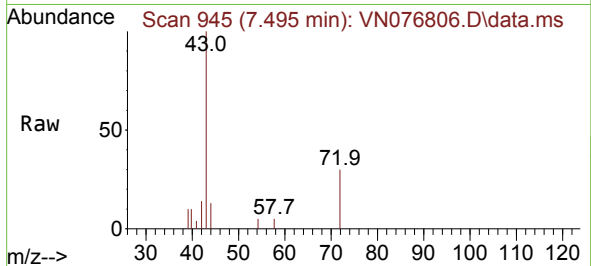




#25
2-Butanone
Concen: 3.262 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

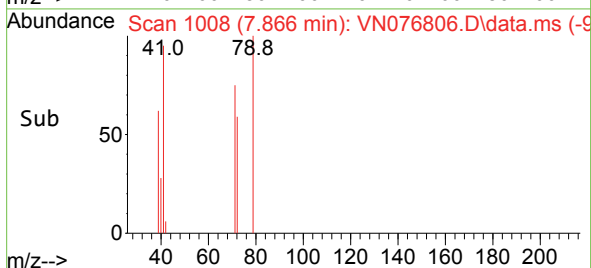
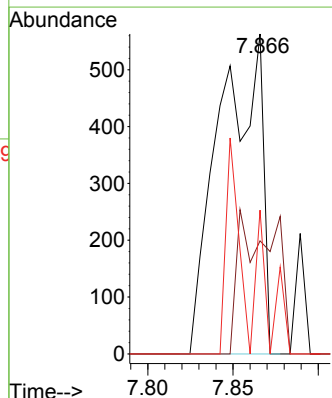
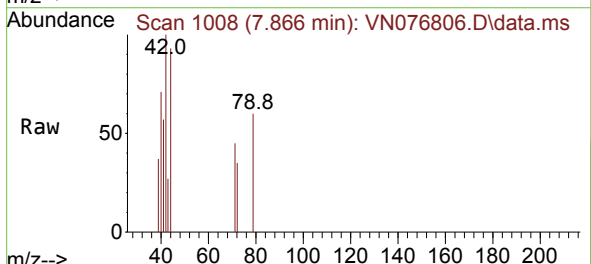
Instrument :
MSVOA_N
ClientSampleId :
VNJ-231

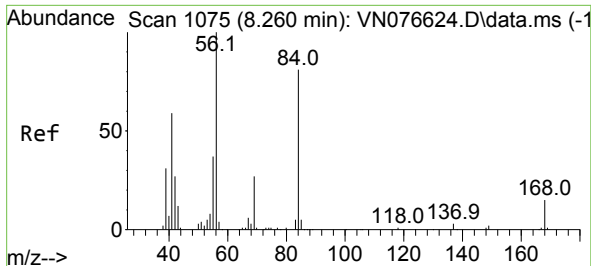
Tgt Ion: 43 Resp: 8742
Ion Ratio Lower Upper
43 100
72 29.9 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.558 ug/l
RT: 7.866 min Scan# 1008
Delta R.T. 0.024 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

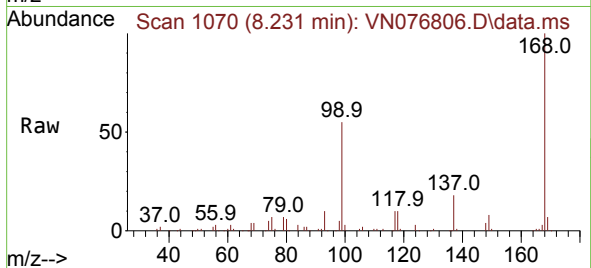
Tgt Ion: 42 Resp: 978
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 14.6 29.8 44.8#



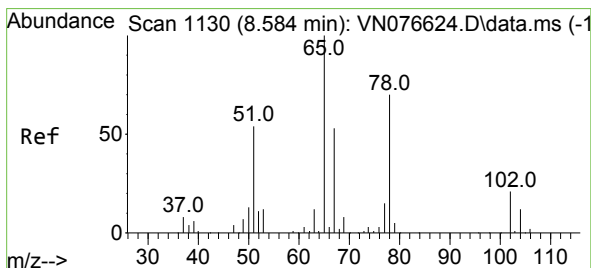
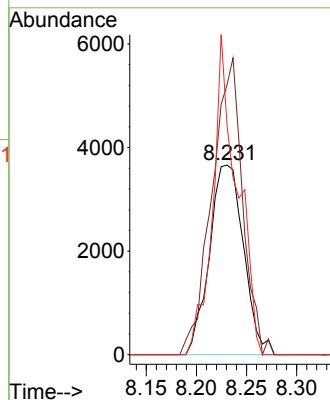
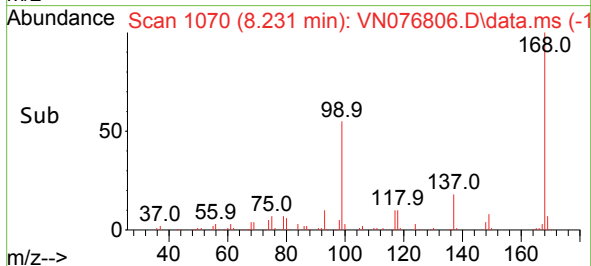


#31
Cyclohexane
Concen: 1.359 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

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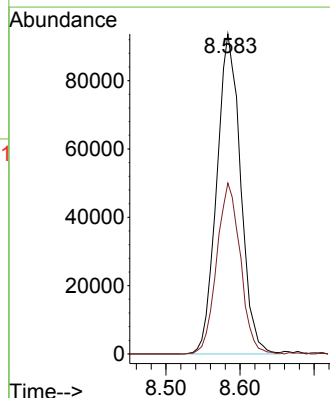
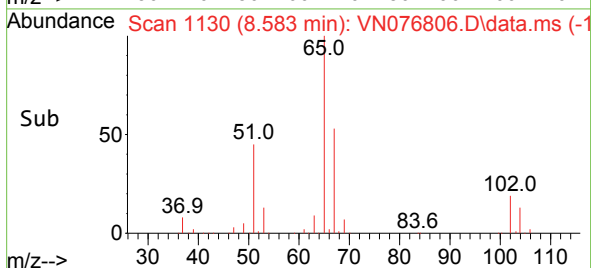
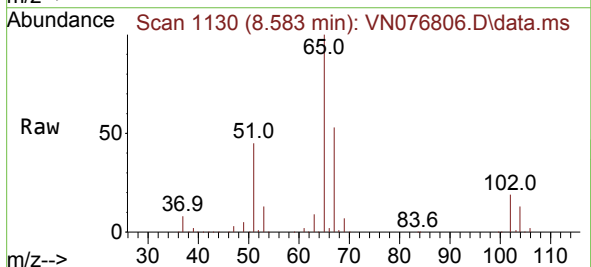


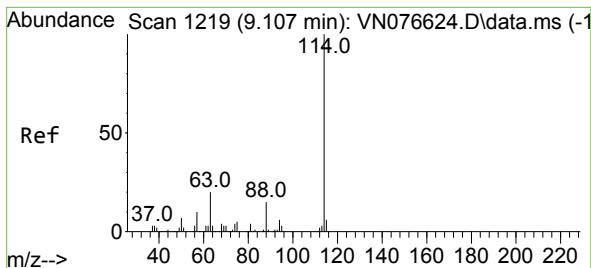
Tgt Ion: 56 Resp: 8672
Ion Ratio Lower Upper
56 100
69 142.4 21.6 32.4#
84 120.7 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 51.381 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 65 Resp: 209007
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076806.D

Acq: 24 Feb 2023 13:50

Instrument :

MSVOA_N

ClientSampleId :

VNJ-231

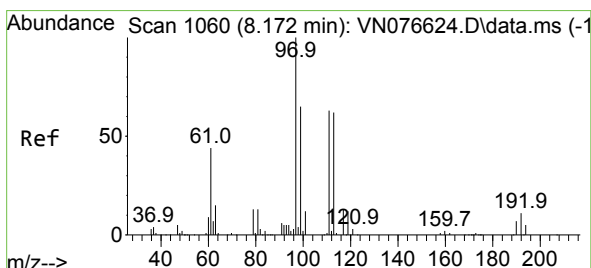
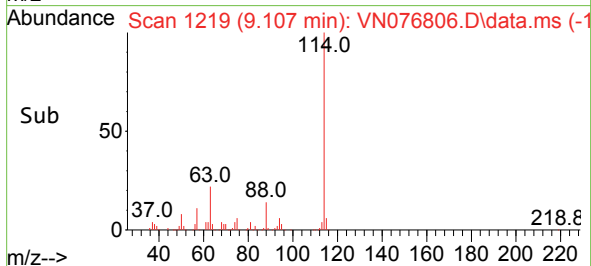
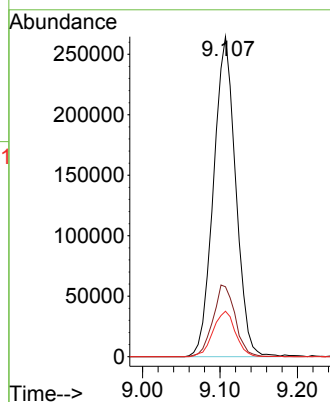
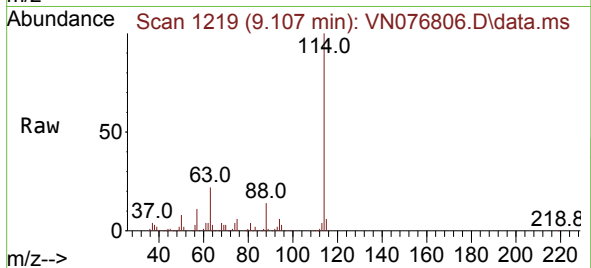
Tgt Ion:114 Resp: 525642

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 14.2 0.0 29.6



#35

Dibromofluoromethane

Concen: 46.391 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076806.D

Acq: 24 Feb 2023 13:50

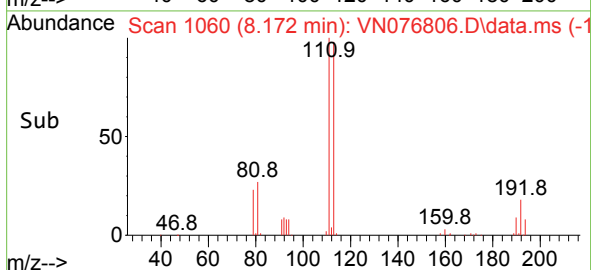
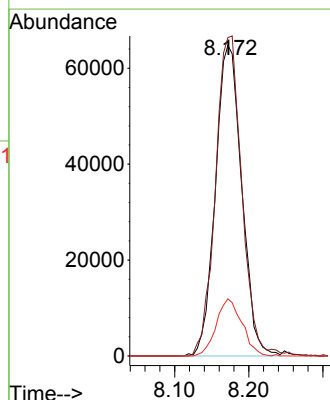
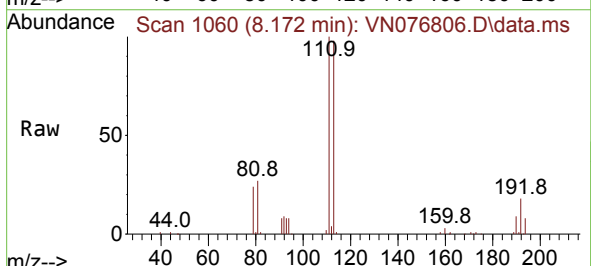
Tgt Ion:113 Resp: 159692

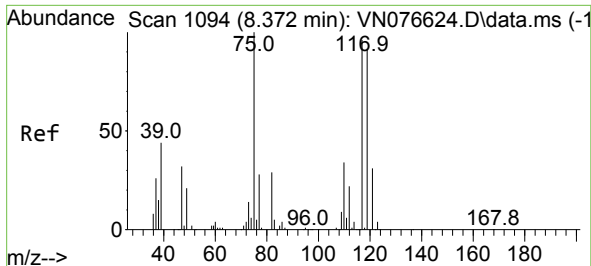
Ion Ratio Lower Upper

113 100

111 103.2 83.1 124.7

192 18.0 15.6 23.4

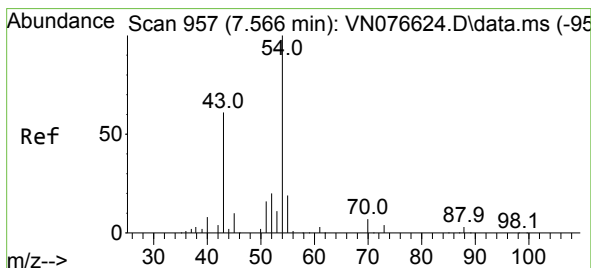
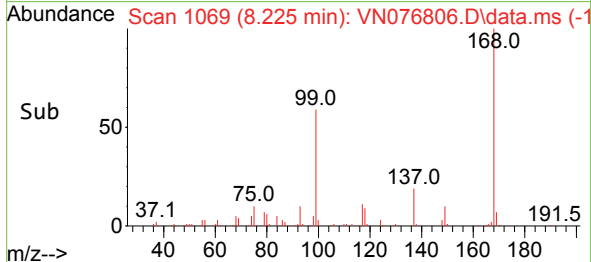
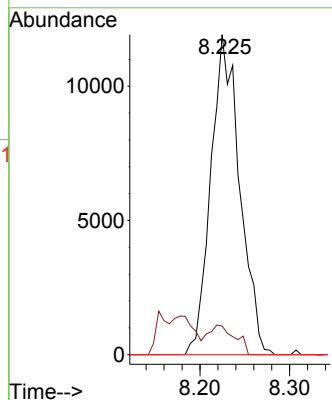
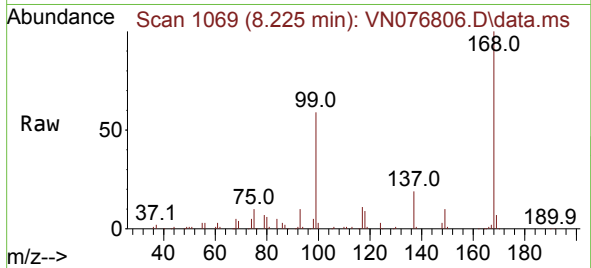




#36
1,1-Dichloropropene
Concen: 5.362 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

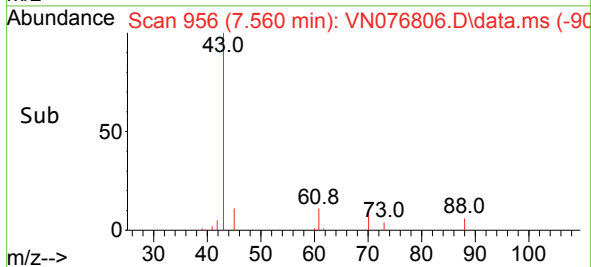
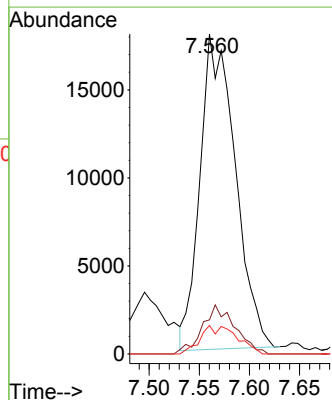
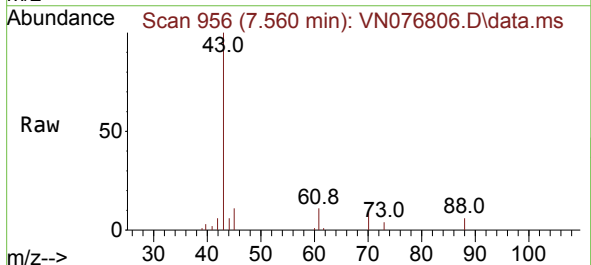
Instrument :
MSVOA_N
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VNJ-231

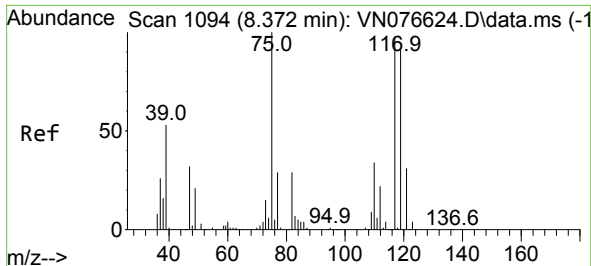
Tgt Ion: 75 Resp: 26667
Ion Ratio Lower Upper
75 100
110 8.6 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.353 ug/l
RT: 7.560 min Scan# 956
Delta R.T. -0.006 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

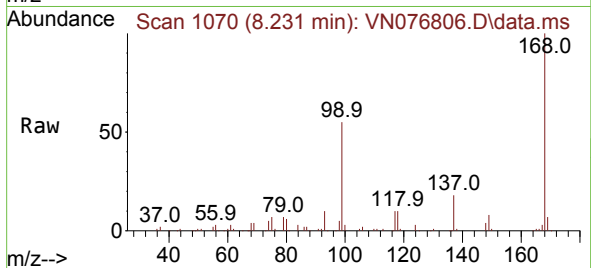
Tgt Ion: 43 Resp: 43709
Ion Ratio Lower Upper
43 100
61 14.5 9.9 14.9
70 4.2 7.8 11.6#



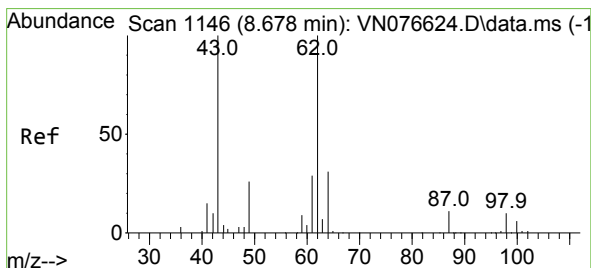
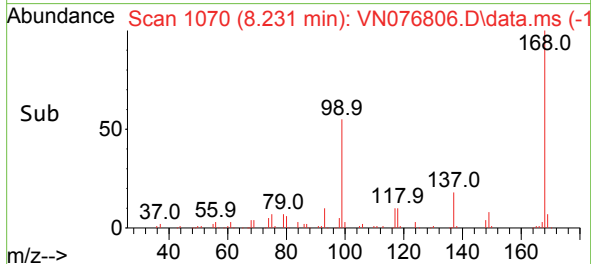
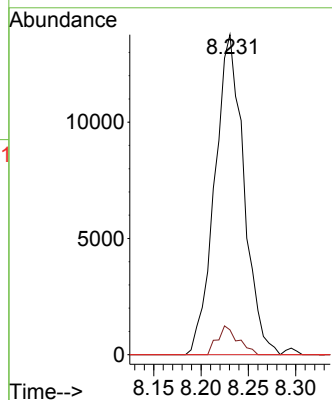


#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Instrument :
MSVOA_N
ClientSampleId :
VNJ-231

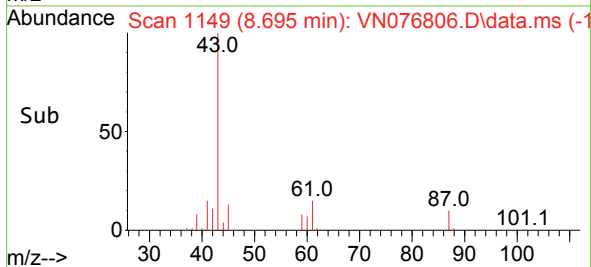
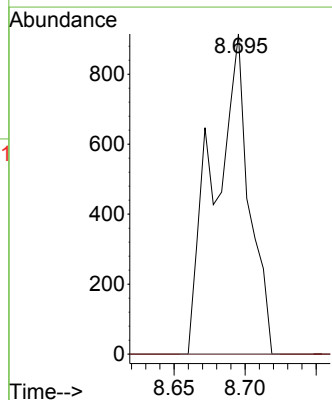
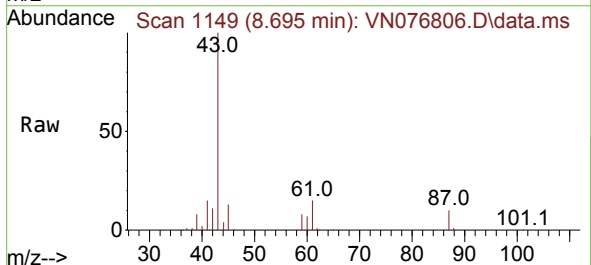


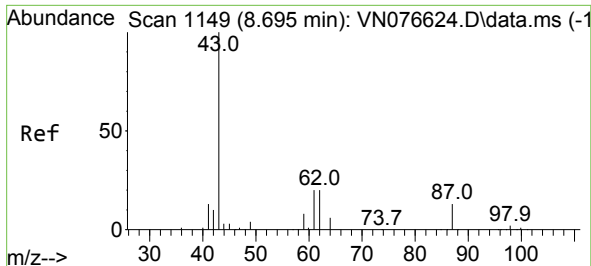
Tgt Ion:117 Resp: 29393
Ion Ratio Lower Upper
117 100
119 7.8 75.4 113.0#
121 0.0 26.0 39.0#



#42
1,2-Dichloroethane
Concen: 0.297 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.017 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 62 Resp: 1581
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2

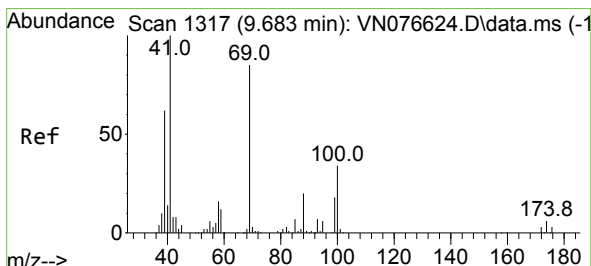
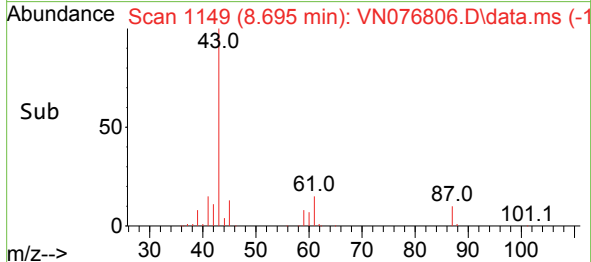
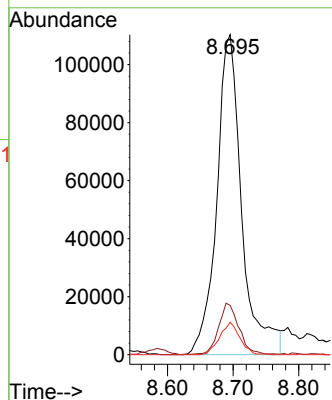
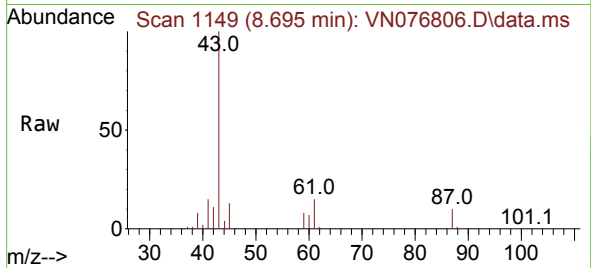




#43
Isopropyl Acetate
Concen: 34.298 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

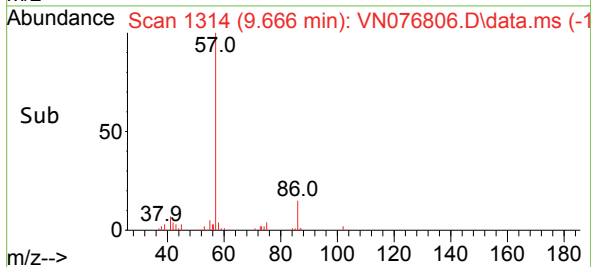
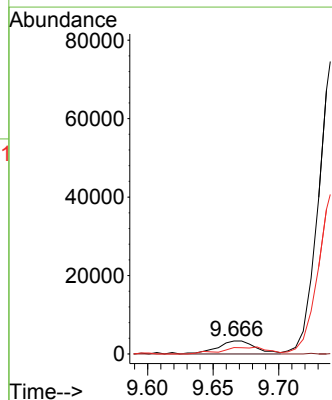
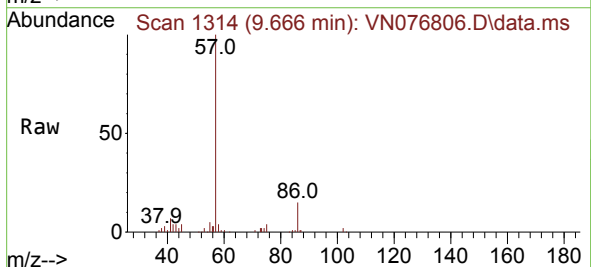
Instrument :
MSVOA_N
ClientSampleId :
VNJ-231

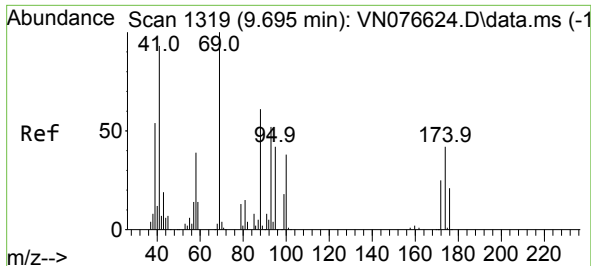
Tgt Ion: 43 Resp: 292051
Ion Ratio Lower Upper
43 100
61 12.8 20.0 30.0#
87 8.1 9.9 14.9#



#48
Methyl methacrylate
Concen: 1.664 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.017 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 41 Resp: 6725
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 60.9 49.3 73.9





#49

1,4-Dioxane

Concen: 3.334 ug/l

RT: 9.736 min Scan# 1319

Delta R.T. 0.041 min

Lab File: VN076806.D

Acq: 24 Feb 2023 13:50

Instrument :

MSVOA_N

ClientSampleId :

VNJ-231

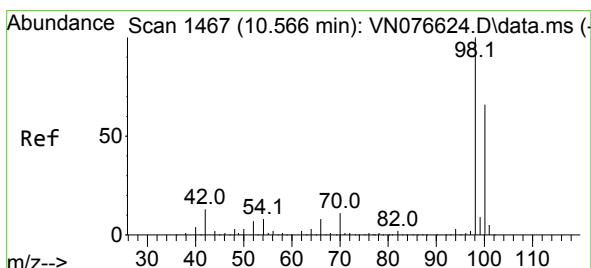
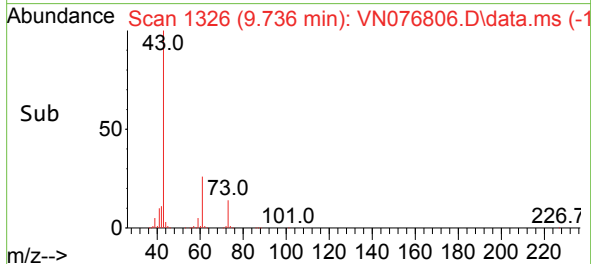
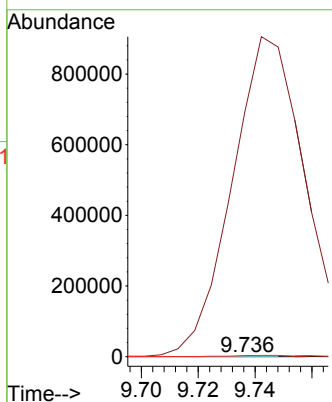
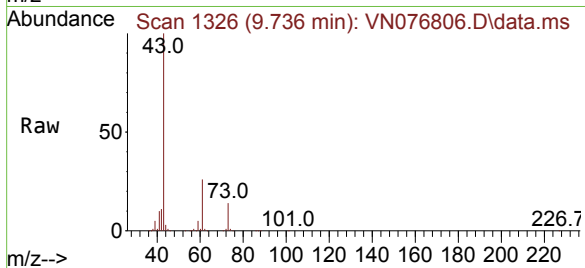
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 705208.6 22.6 33.8#

58 3111.2 57.6 86.4#



#50

Toluene-d8

Concen: 51.431 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076806.D

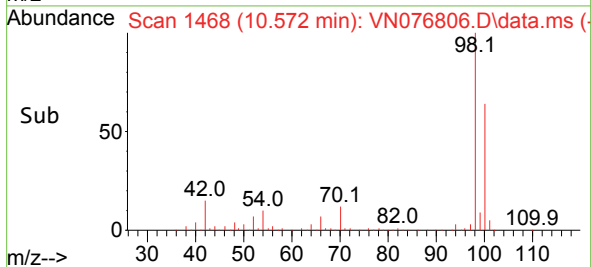
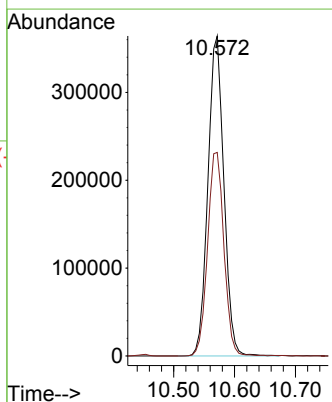
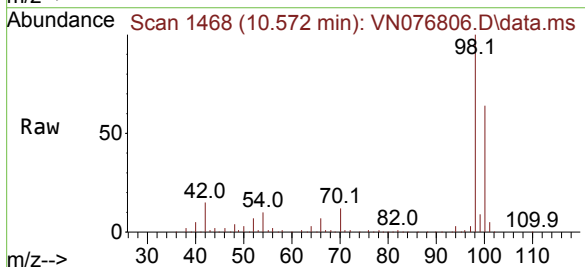
Acq: 24 Feb 2023 13:50

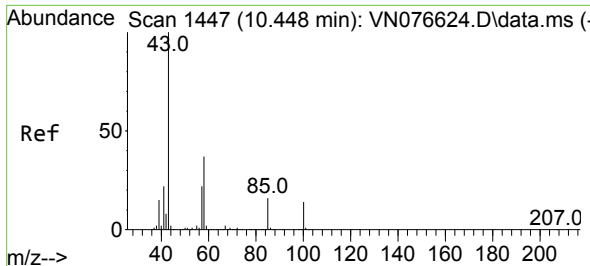
Tgt Ion: 98 Resp: 661177

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3

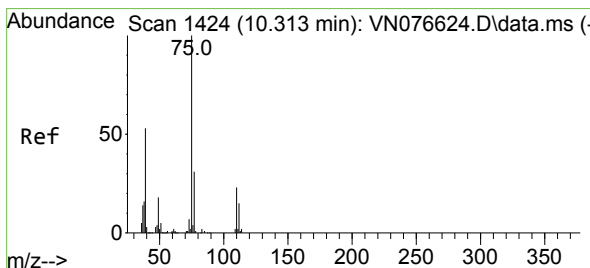
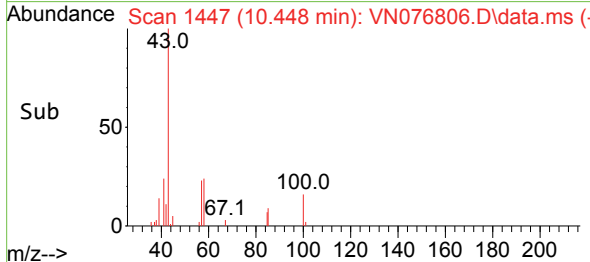
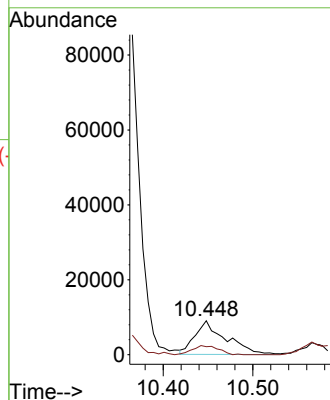
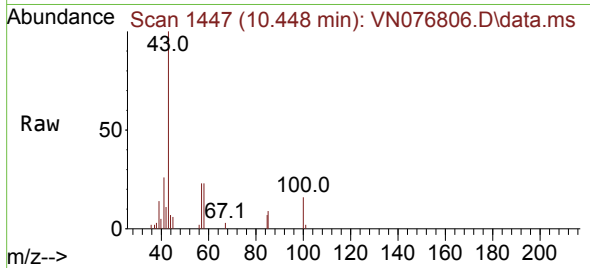




#51
4-Methyl-2-Pentanone
Concen: 3.956 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

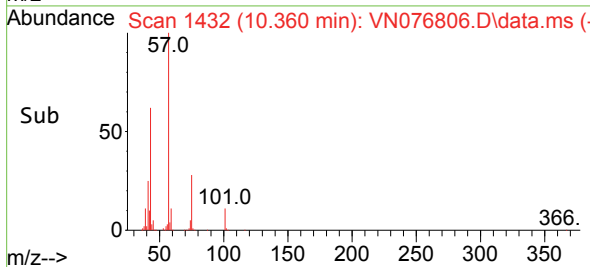
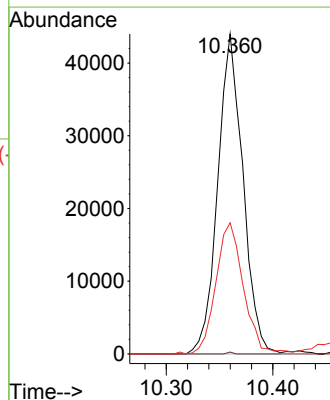
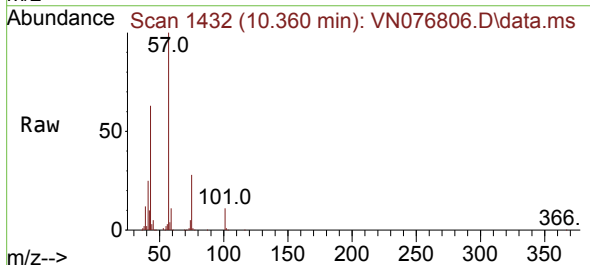
Instrument :
MSVOA_N
ClientSampleId :
VNJ-231

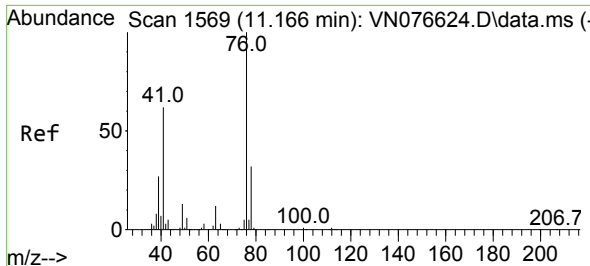
Tgt Ion: 43 Resp: 21434
Ion Ratio Lower Upper
43 100
58 22.9 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 12.510 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 75 Resp: 72176
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 39.9 42.3 63.5#





#57

1,3-Dichloropropane

Concen: 1.344 ug/l

RT: 11.207 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN076806.D

Acq: 24 Feb 2023 13:50

Instrument :

MSVOA_N

ClientSampleId :

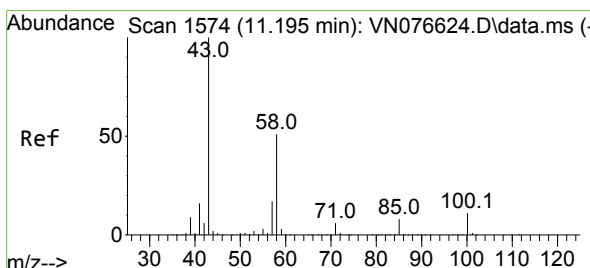
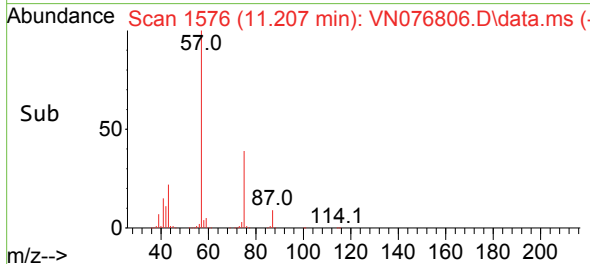
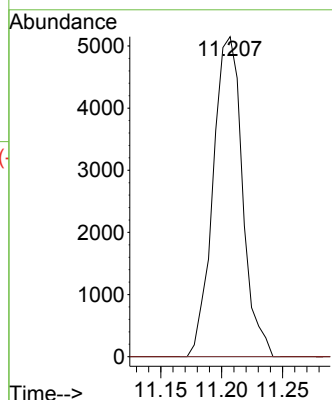
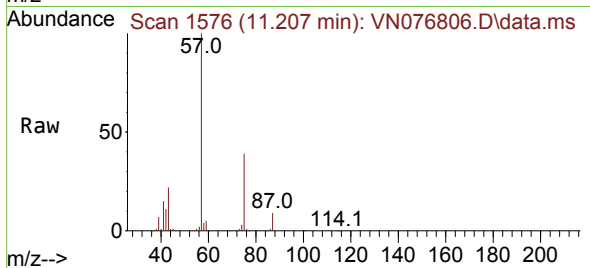
VNJ-231

Tgt Ion: 76 Resp: 8659

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 54.023 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN076806.D

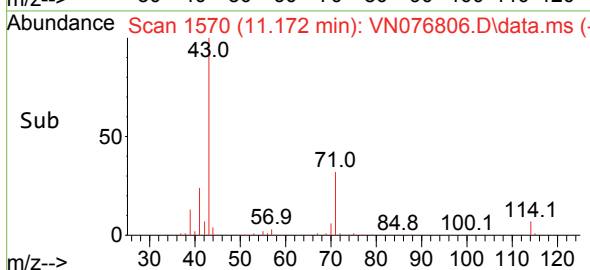
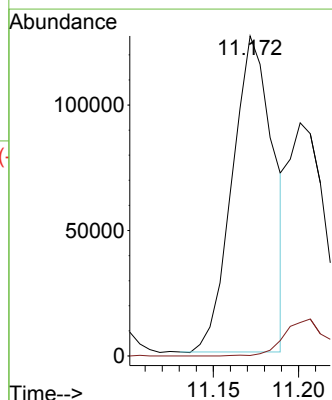
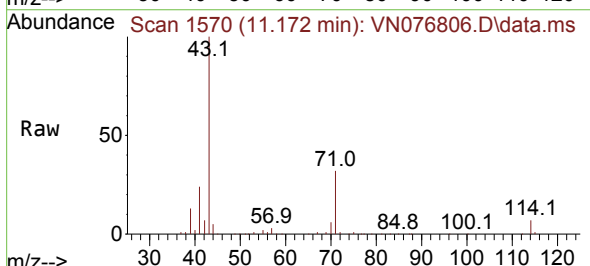
Acq: 24 Feb 2023 13:50

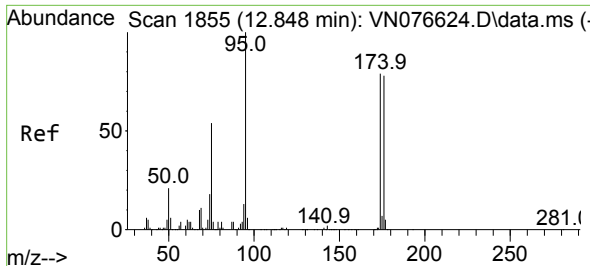
Tgt Ion: 43 Resp: 211033

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.0#

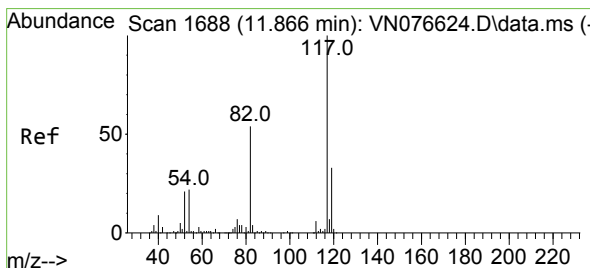
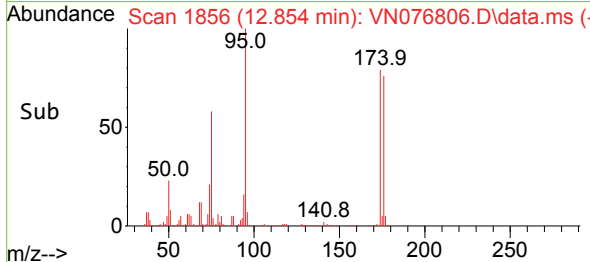
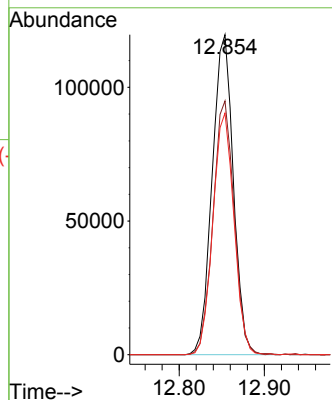
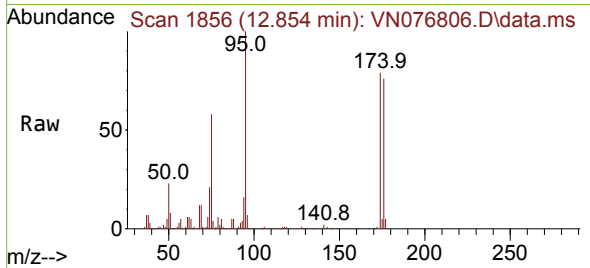




#62
4-Bromofluorobenzene
Concen: 48.369 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

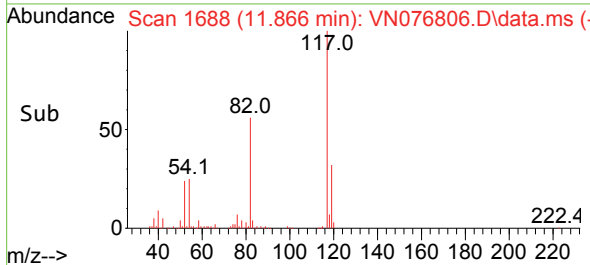
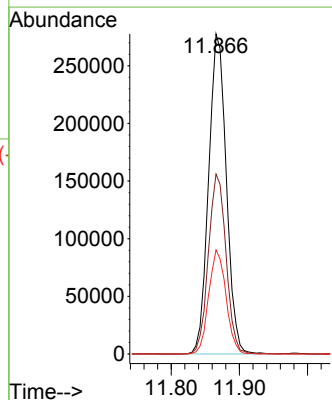
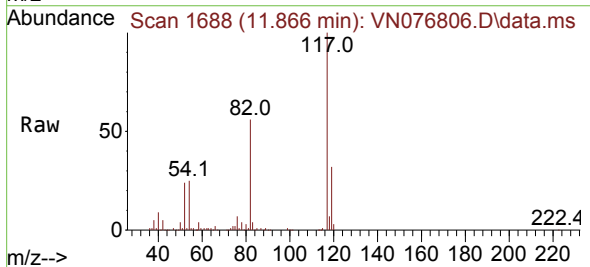
Instrument :
MSVOA_N
ClientSampleId :
VNJ-231

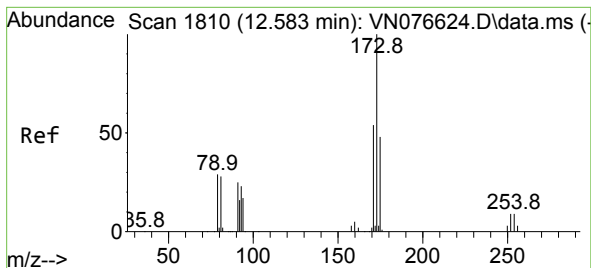
Tgt Ion: 95 Resp: 205945
Ion Ratio Lower Upper
95 100
174 79.3 0.0 169.2
176 75.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 117 Resp: 501882
Ion Ratio Lower Upper
117 100
82 56.2 43.4 65.2
119 32.5 26.1 39.1





#71

Bromoform

Concen: 0.516 ug/l

RT: 12.848 min Scan# 1810

Delta R.T. 0.265 min

Lab File: VN076806.D

Acq: 24 Feb 2023 13:50

Instrument :

MSVOA_N

ClientSampleId :

VNJ-231

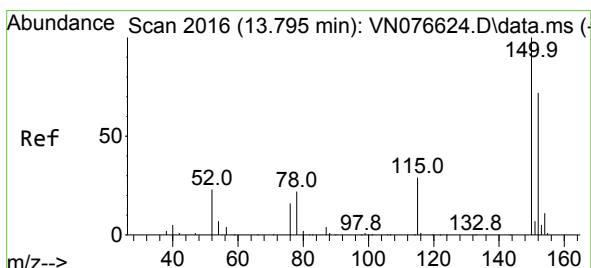
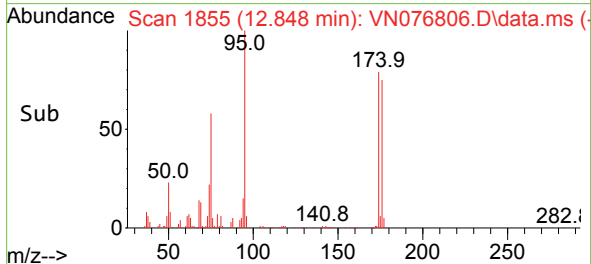
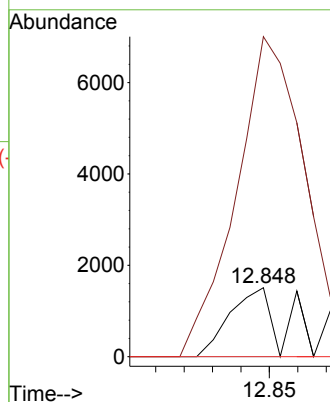
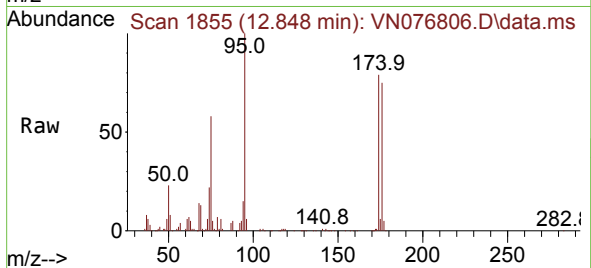
Tgt Ion:173 Resp: 1463

Ion Ratio Lower Upper

173 100

175 690.8 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# 2016

Delta R.T. -0.000 min

Lab File: VN076806.D

Acq: 24 Feb 2023 13:50

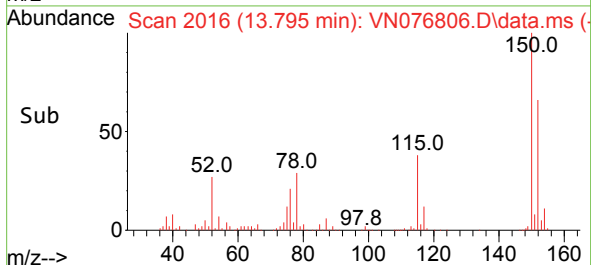
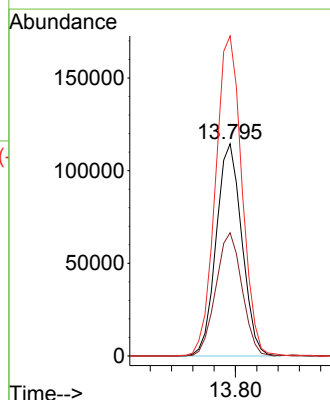
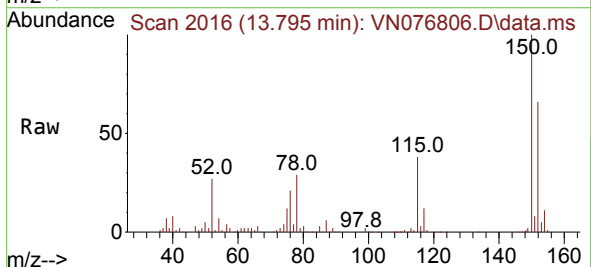
Tgt Ion:152 Resp: 191188

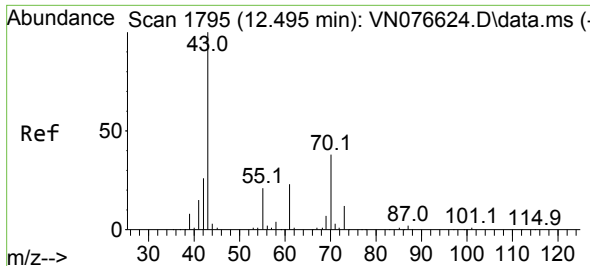
Ion Ratio Lower Upper

152 100

115 59.4 29.3 87.9

150 155.3 0.0 349.8

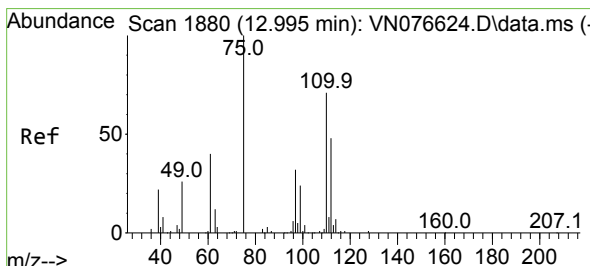
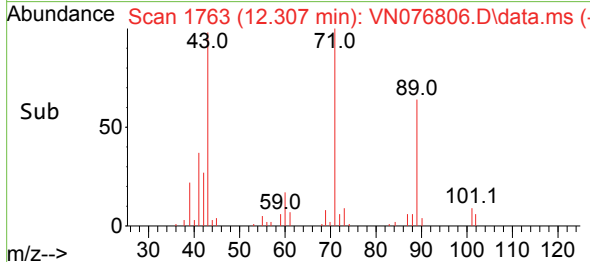
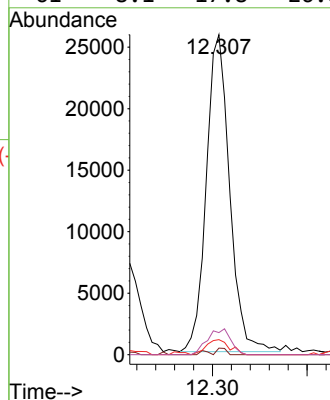
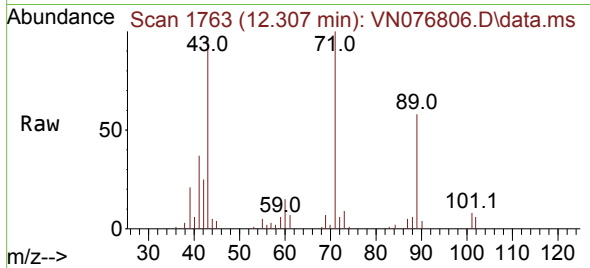




#74
N-amy1 acetate
Concen: 6.983 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

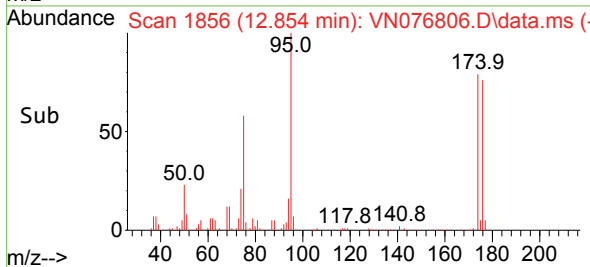
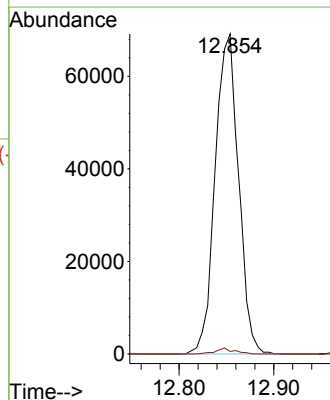
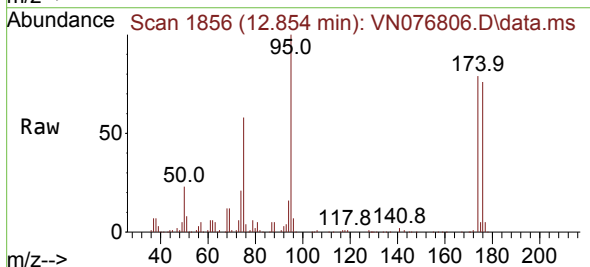
Instrument :
MSVOA_N
ClientSampleId :
VNJ-231

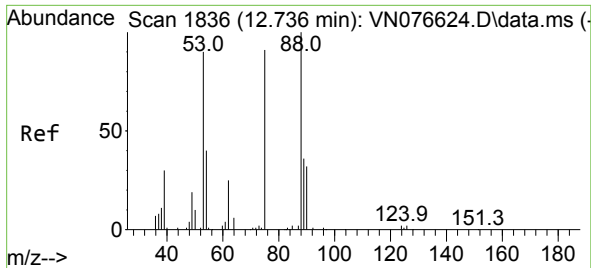
Tgt Ion: 43 Resp: 44105
Ion Ratio Lower Upper
43 100
70 1.3 30.5 45.7#
55 4.8 17.8 26.8#
61 8.1 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 30.689 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076806.D
Acq: 24 Feb 2023 13:50

Tgt Ion: 75 Resp: 118622
Ion Ratio Lower Upper
75 100
77 1.4 93.1 279.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.384 ug/l
 RT: 12.854 min Scan# 118622
 Delta R.T. 0.118 min
 Lab File: VN076806.D
 Acq: 24 Feb 2023 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-231

Tgt Ion: 75 Resp: 118622
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.1 138.1#
 89 0.0 37.5 56.3#

