

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012624\
 Data File : VN080773.D
 Acq On : 26 Jan 2024 16:36
 Operator : JC\MD
 Sample : P1240-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

Quant Time: Jan 29 02:33:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

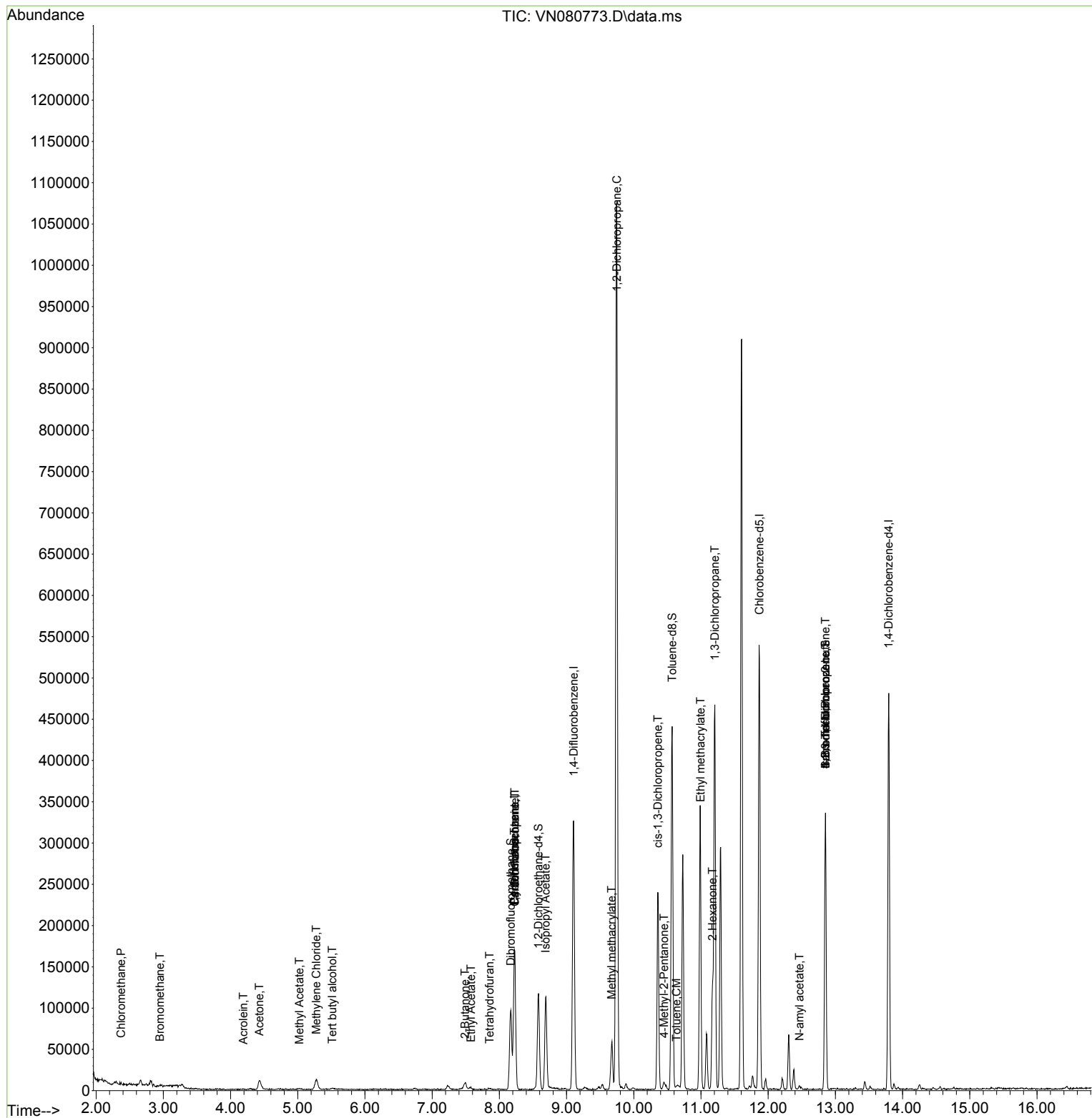
Internal Standards						
1) Pentafluorobenzene	8.224	168	111573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	257180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	275411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	87012	44.409	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.820%		
35) Dibromofluoromethane	8.171	113	66939	45.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.620%		
50) Toluene-d8	10.571	98	283858	50.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.900%		
62) 4-Bromofluorobenzene	12.853	95	115414	54.016	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.040%		
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	1905	0.275	ug/l #	43
5) Bromomethane	2.948	94	289	0.462	ug/l #	4
6) Chloroethane	3.112	64	60	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	2400	7.243	ug/l #	72
13) Acrolein	4.189	56	161	0.582	ug/l #	16
16) Acetone	4.430	43	22537	35.036	ug/l	90
18) Methyl Acetate	5.024	43	2507	1.309	ug/l #	53
20) Methylene Chloride	5.277	84	8709	4.638	ug/l #	75
25) 2-Butanone	7.488	43	15295	13.154	ug/l #	74
29) Tetrahydrofuran	7.853	42	1258	1.605	ug/l #	35
31) Cyclohexane	8.224	56	3548	1.172	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	12271	4.100	ug/l #	46
37) Ethyl Acetate	7.577	43	4027	1.387	ug/l #	78
38) Carbon Tetrachloride	8.230	117	12799	4.762	ug/l #	16
43) Isopropyl Acetate	8.688	43	133930	25.103	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1489	0.667	ug/l #	45
48) Methyl methacrylate	9.671	41	4130	1.635	ug/l #	31
51) 4-Methyl-2-Pentanone	10.453	43	7483	2.600	ug/l #	78
52) Toluene	10.635	92	1437	0.298	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	41743	11.320	ug/l #	65
56) Ethyl methacrylate	10.994	69	1114	0.335	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4634	1.368	ug/l #	42
59) 2-Hexanone	11.171	43	124113	58.411	ug/l #	19
71) Bromoform	12.853	173	400	0.272	ug/l #	1
74) N-amyl acetate	12.465	43	4040	0.634	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	65915	19.132	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65915	45.101	ug/l #	15

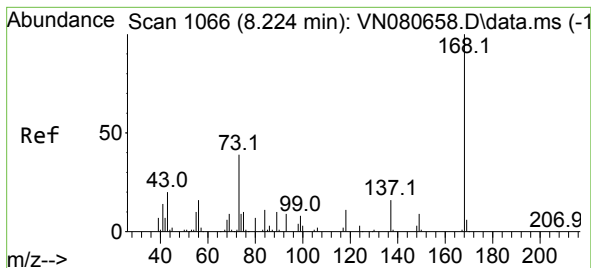
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

Instrument :

MSVOA_N

ClientSampleId :

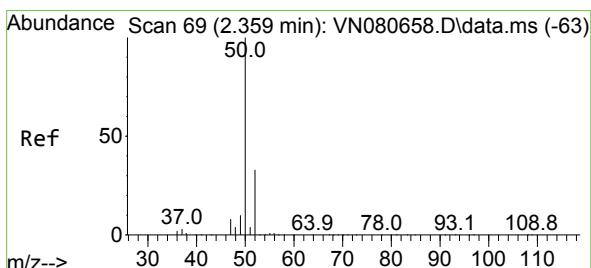
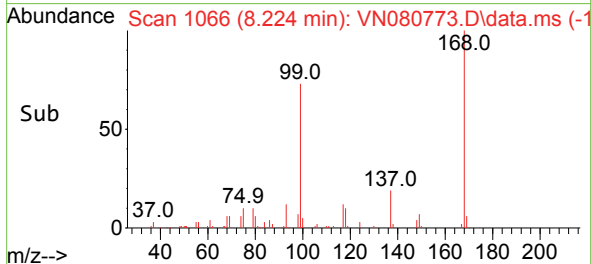
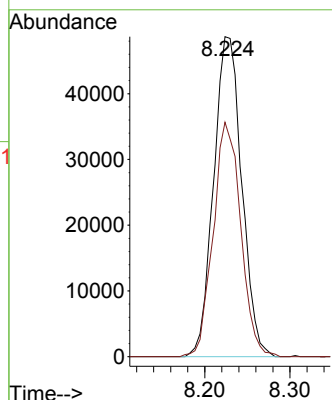
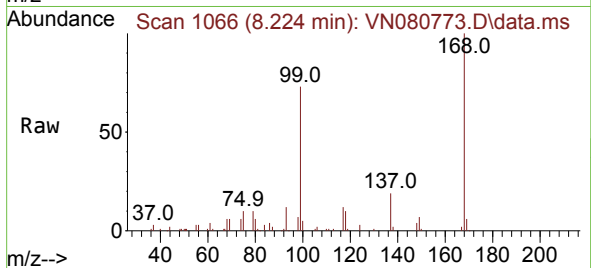
VNJ-232

Tgt Ion:168 Resp: 111573

Ion Ratio Lower Upper

168 100

99 73.3 53.0 79.6



#3

Chloromethane

Concen: 0.275 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080773.D

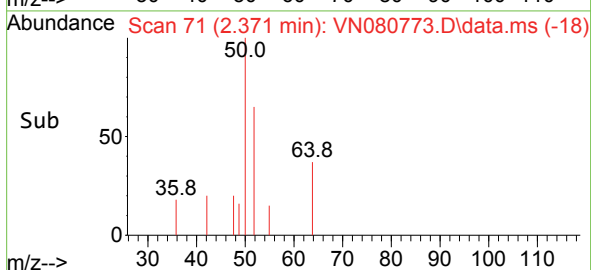
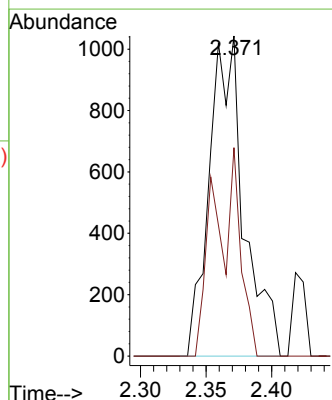
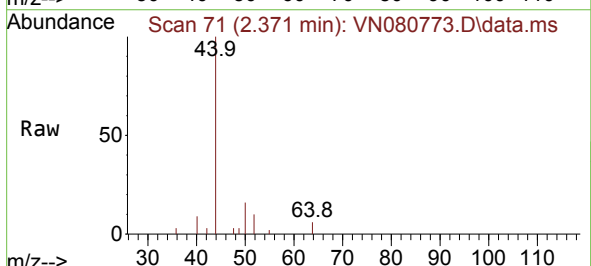
Acq: 26 Jan 2024 16:36

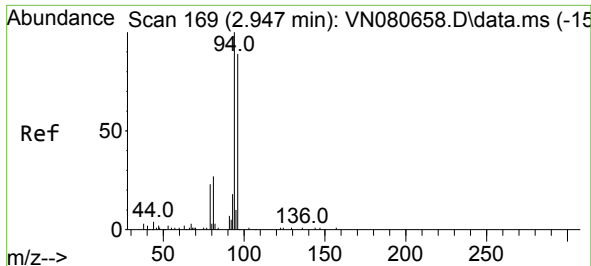
Tgt Ion: 50 Resp: 1905

Ion Ratio Lower Upper

50 100

52 65.1 26.5 39.7#

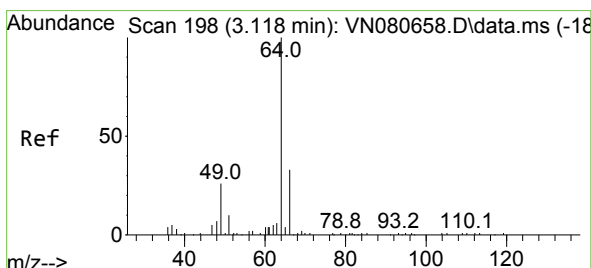
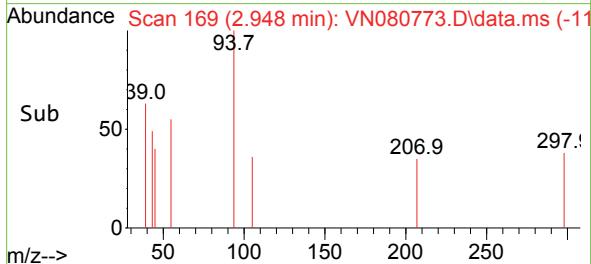
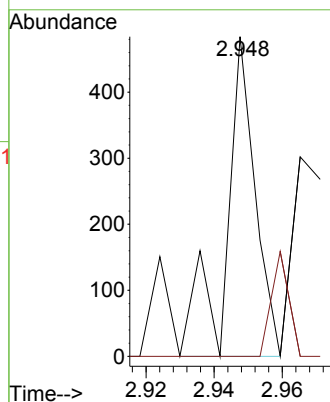
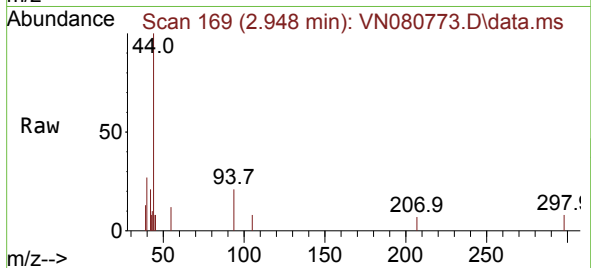




#5
Bromomethane
Concen: 0.462 ug/l
RT: 2.948 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

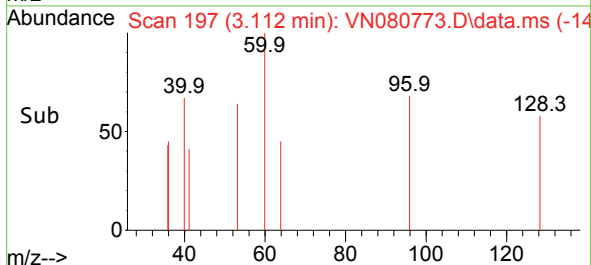
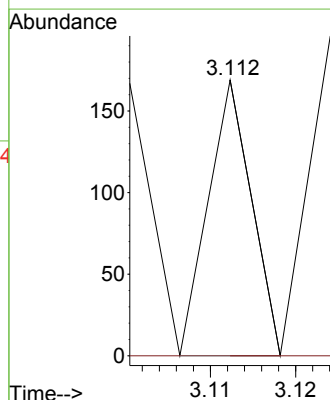
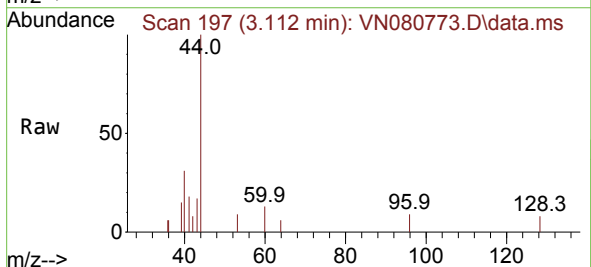
Instrument :
MSVOA_N
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VNJ-232

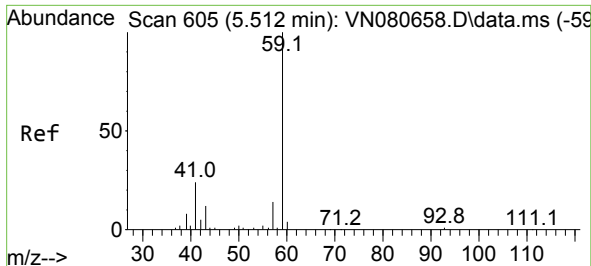
Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

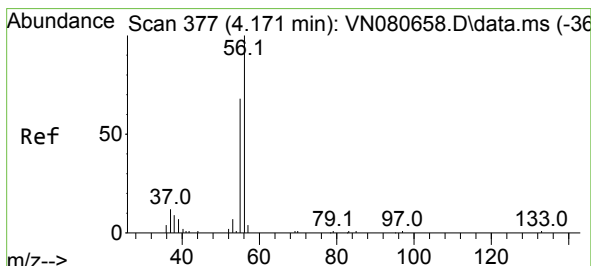
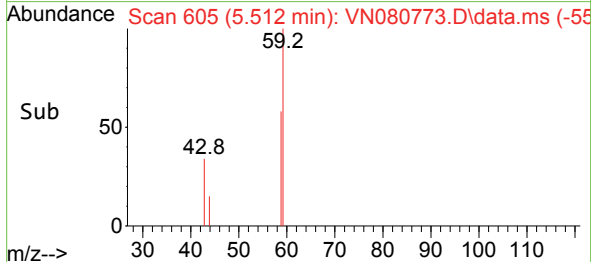
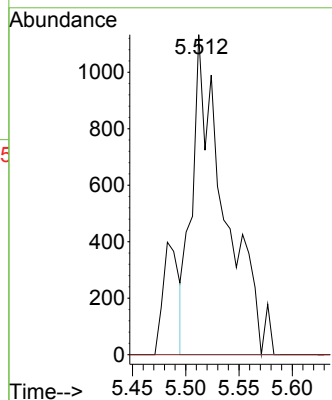
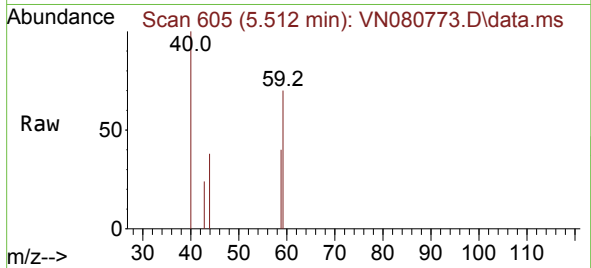




#11
Tert butyl alcohol
Concen: 7.243 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

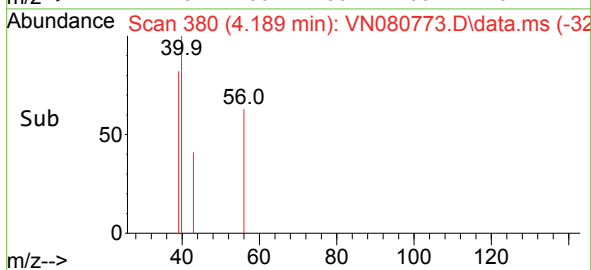
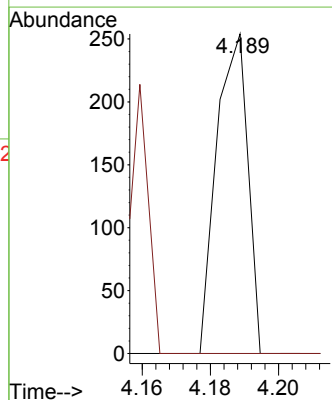
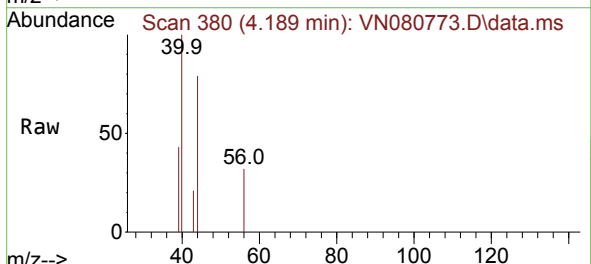
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

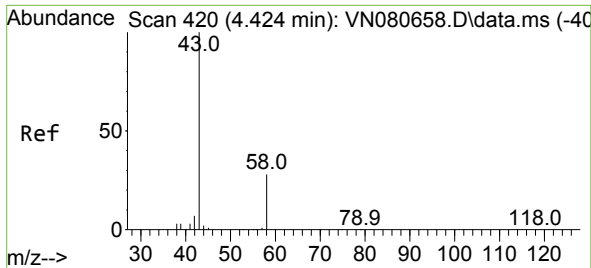
Tgt Ion: 59 Resp: 2400
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.582 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 35.036 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

Instrument :

MSVOA_N

ClientSampleId :

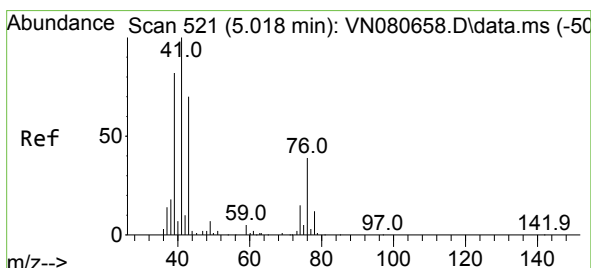
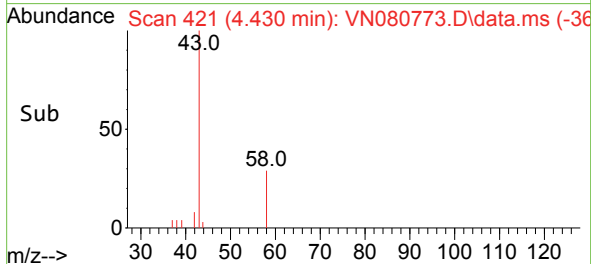
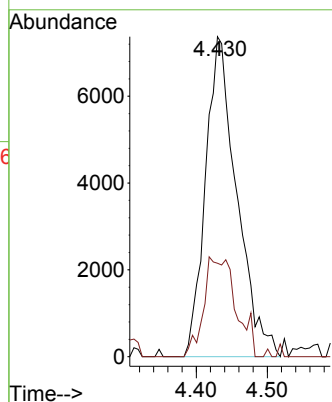
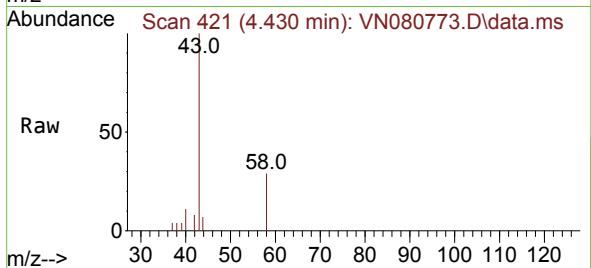
VNJ-232

Tgt Ion: 43 Resp: 22537

Ion Ratio Lower Upper

43 100

58 29.2 28.0 42.0



#18

Methyl Acetate

Concen: 1.309 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN080773.D

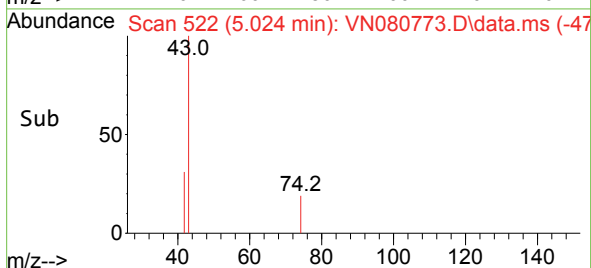
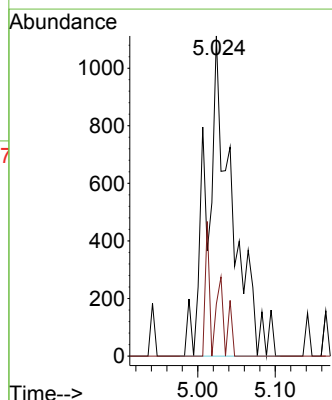
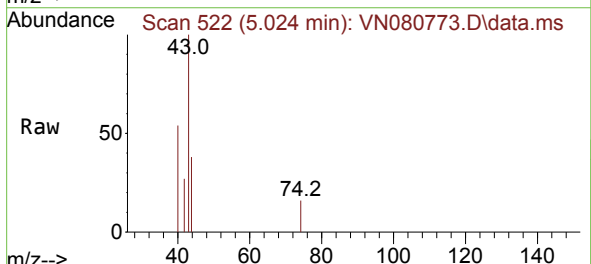
Acq: 26 Jan 2024 16:36

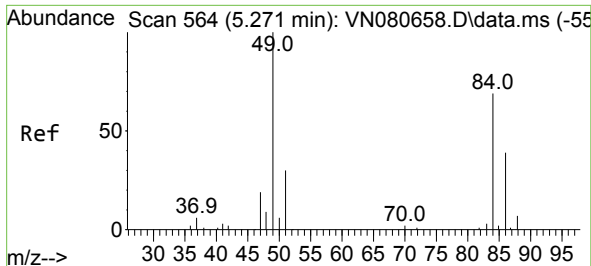
Tgt Ion: 43 Resp: 2507

Ion Ratio Lower Upper

43 100

74 6.6 26.2 39.4#

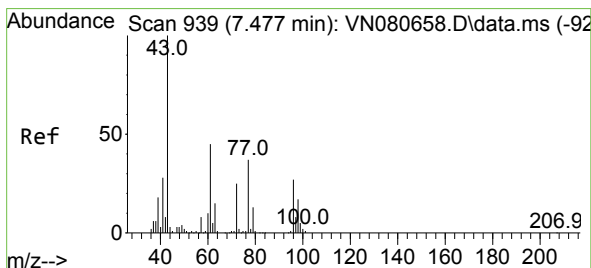
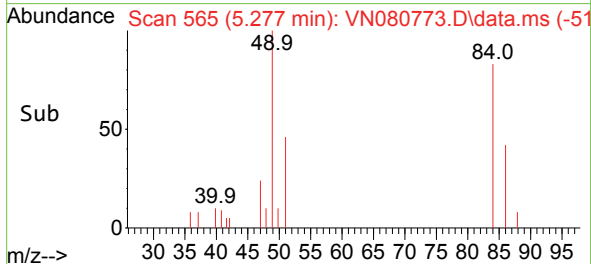
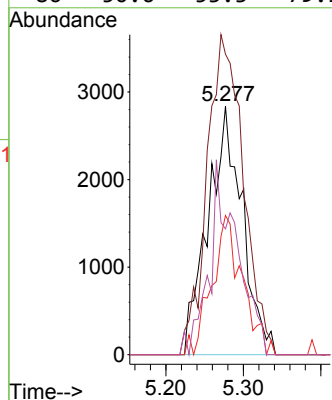
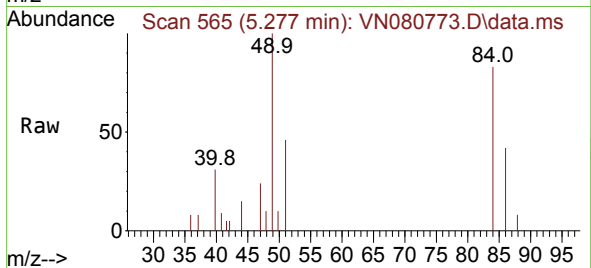




#20
Methylene Chloride
Concen: 4.638 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

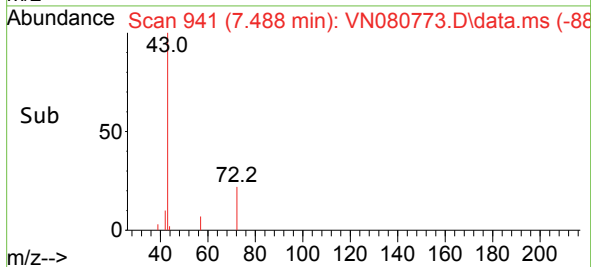
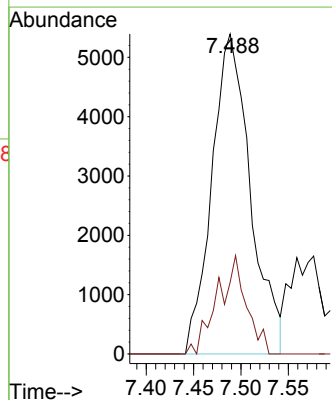
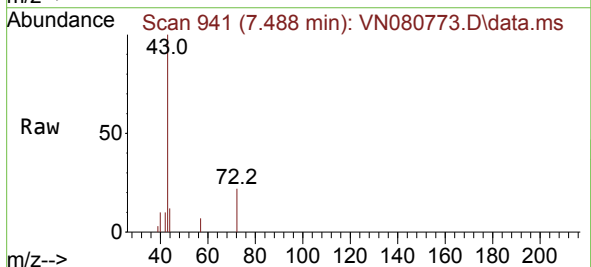
Instrument :
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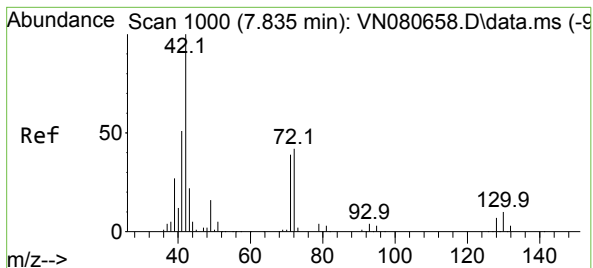
Tgt Ion: 84	Resp: 8709
Ion Ratio	Lower Upper
84 100	
49 120.9	79.7 119.5#
51 56.0	25.2 37.8#
86 50.6	53.3 79.9#



#25
2-Butanone
Concen: 13.154 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 43	Resp:	15295	
Ion Ratio	Lower	Upper	
43	100		
72	22.4	30.2	45.2#





#29

Tetrahydrofuran

Concen: 1.605 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

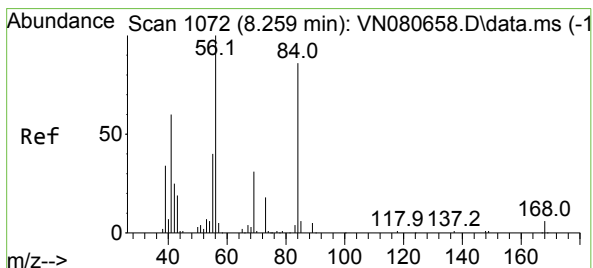
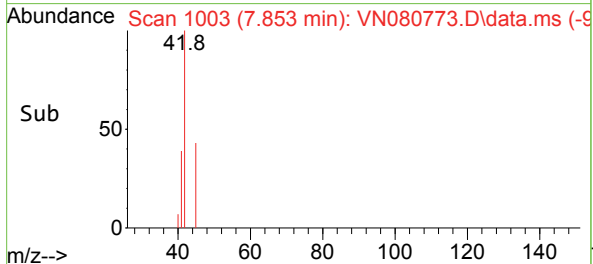
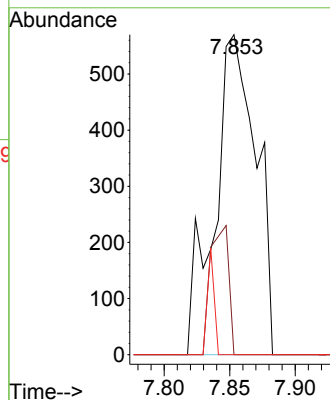
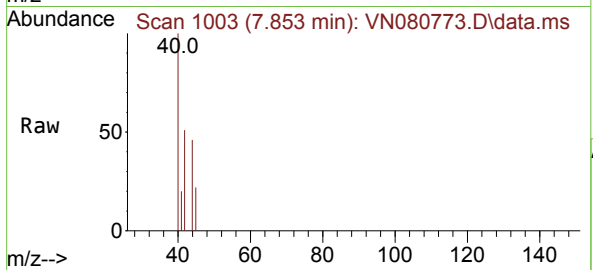
Tgt Ion: 42 Resp: 1258

Ion Ratio Lower Upper

42 100

72 17.7 49.8 74.6#

71 5.3 47.4 71.2#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

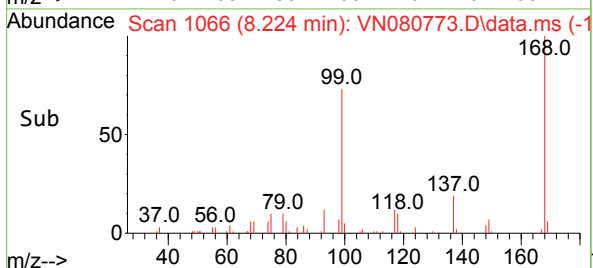
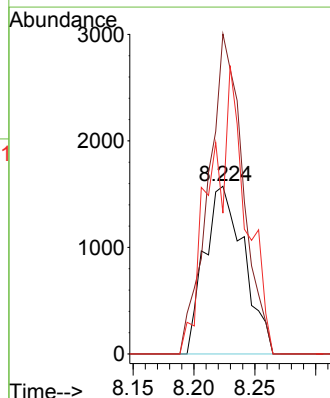
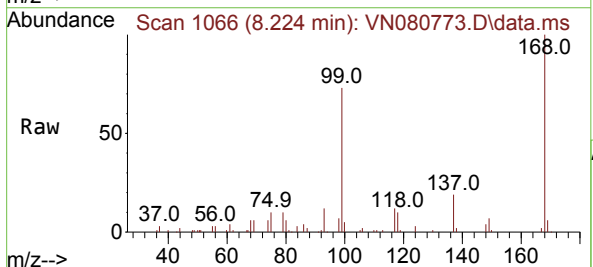
Tgt Ion: 56 Resp: 3548

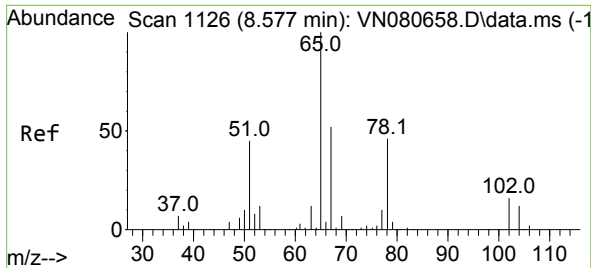
Ion Ratio Lower Upper

56 100

69 190.9 26.8 40.2#

84 84.0 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 44.409 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080773.D

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ClientSampleId :

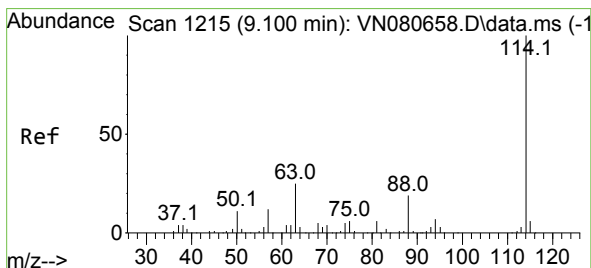
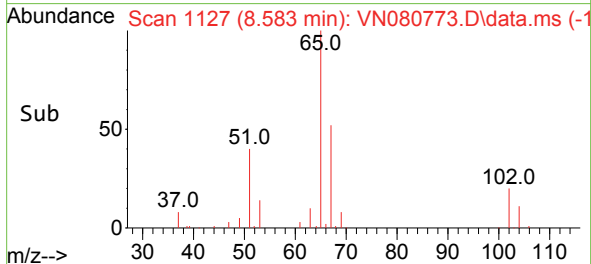
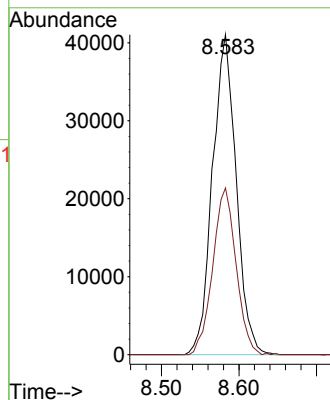
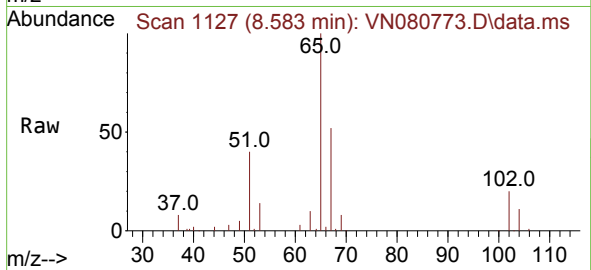
VNJ-232

Tgt Ion: 65 Resp: 87012

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

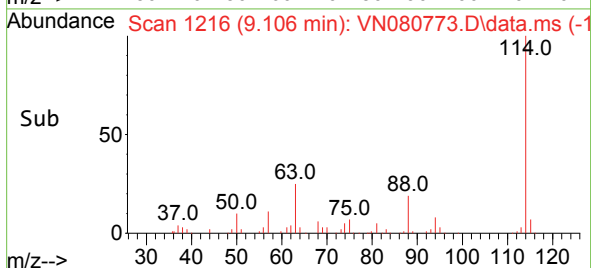
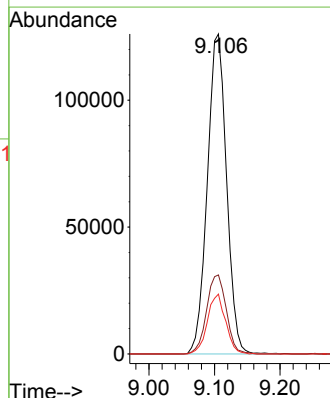
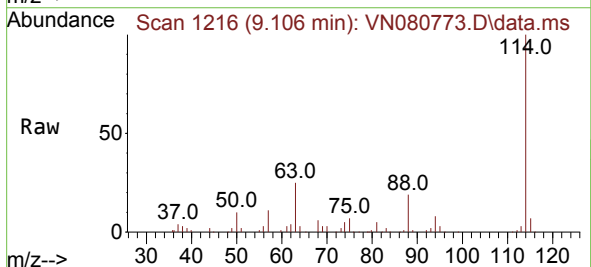
Tgt Ion: 114 Resp: 257180

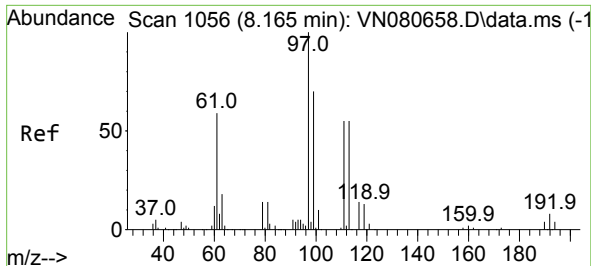
Ion Ratio Lower Upper

114 100

63 24.7 0.0 36.4

88 18.7 0.0 30.6

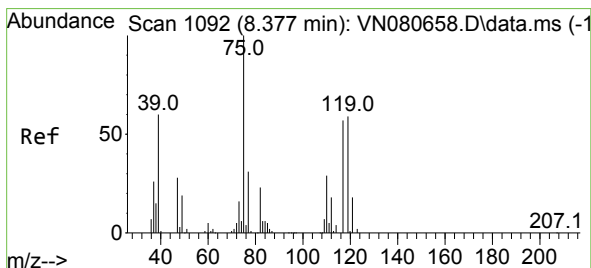
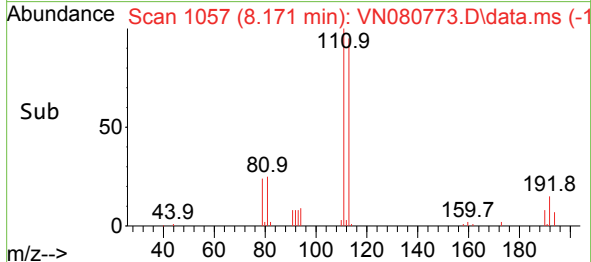
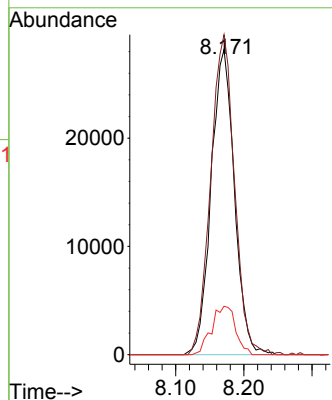
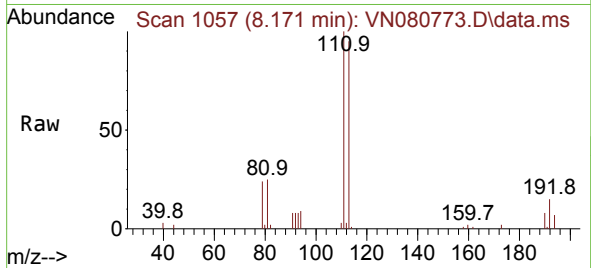




#35
Dibromofluoromethane
Concen: 45.810 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

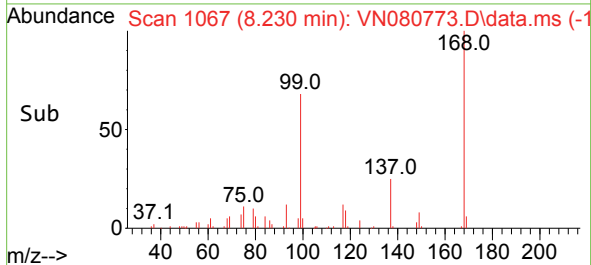
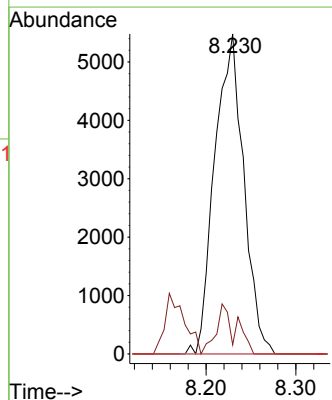
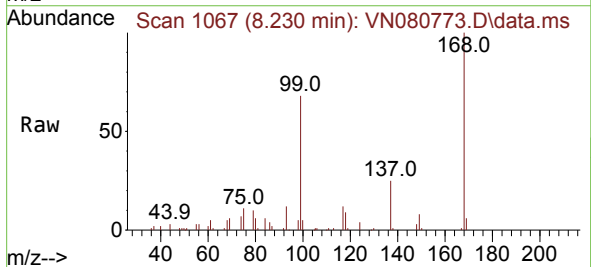
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

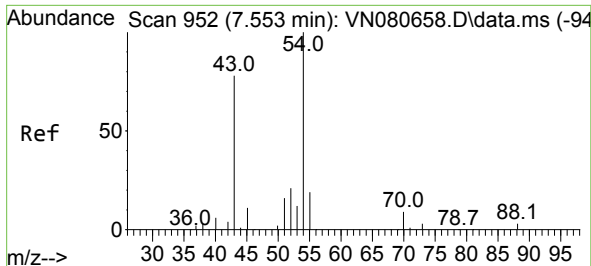
Tgt Ion:113 Resp: 66939
Ion Ratio Lower Upper
113 100
111 107.7 82.6 123.8
192 16.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.100 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 75 Resp: 12271
Ion Ratio Lower Upper
75 100
110 7.1 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.387 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

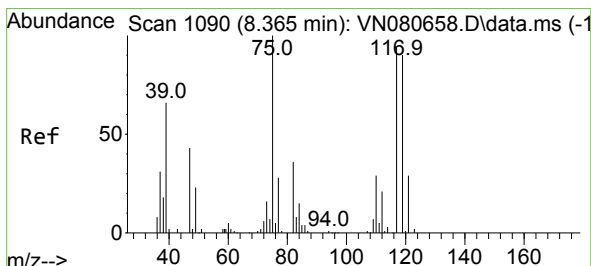
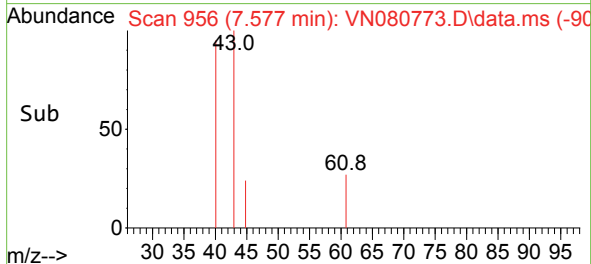
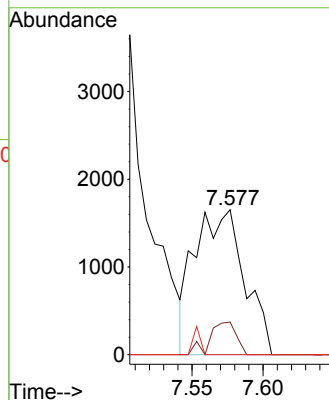
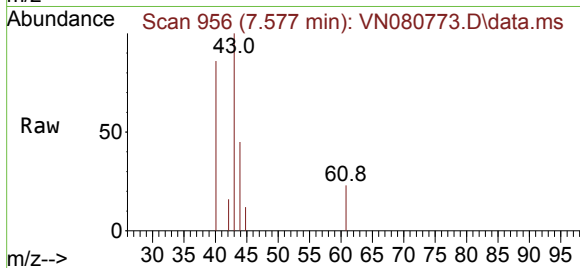
Tgt Ion: 43 Resp: 4027

Ion Ratio Lower Upper

43 100

61 11.9 13.2 19.8#

70 0.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.762 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

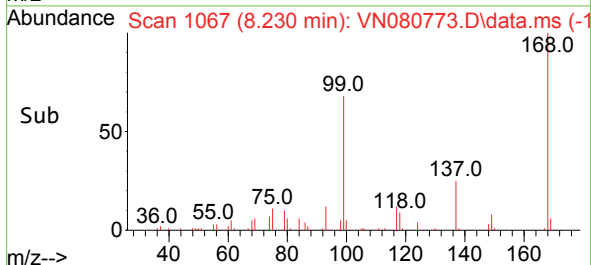
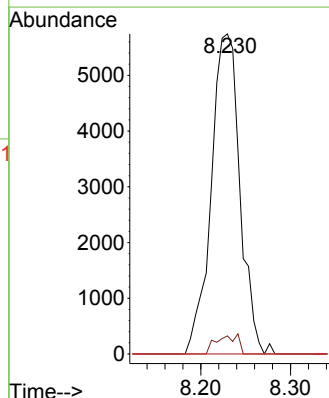
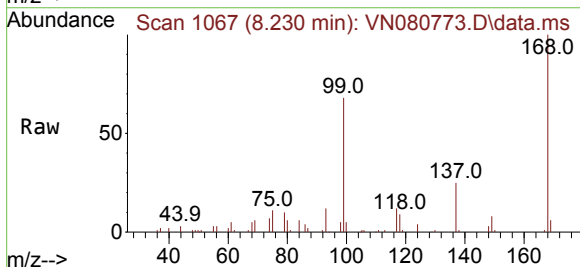
Tgt Ion: 117 Resp: 12799

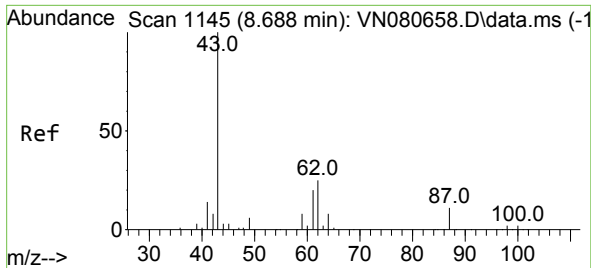
Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#

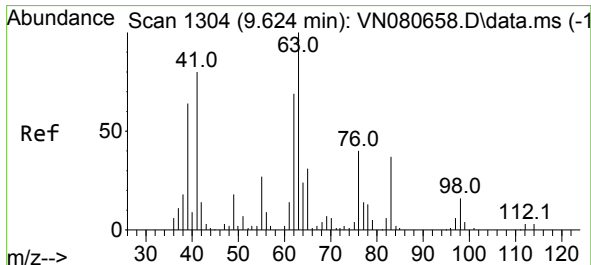
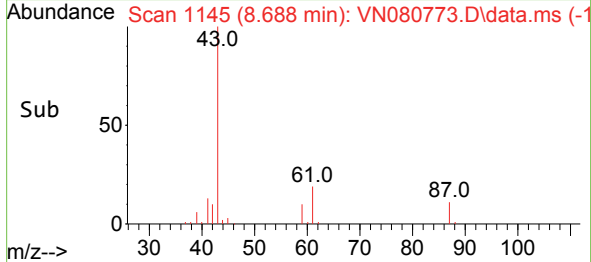
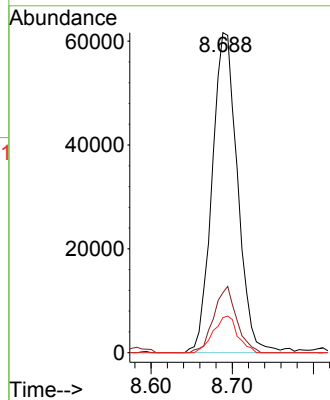
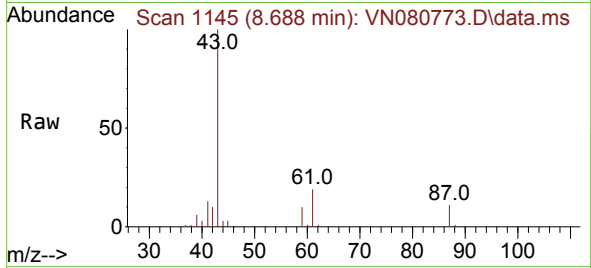




#43
Isopropyl Acetate
Concen: 25.103 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

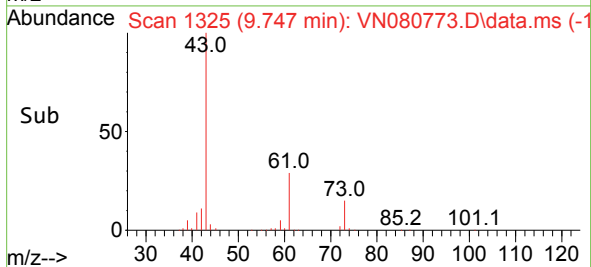
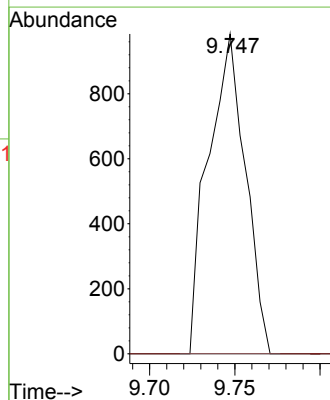
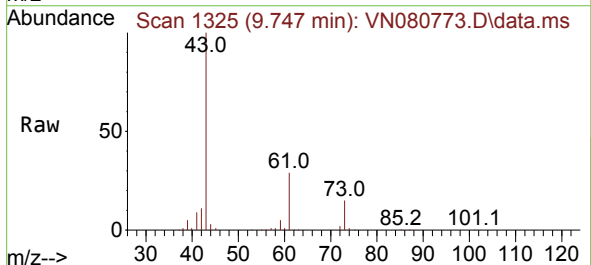
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

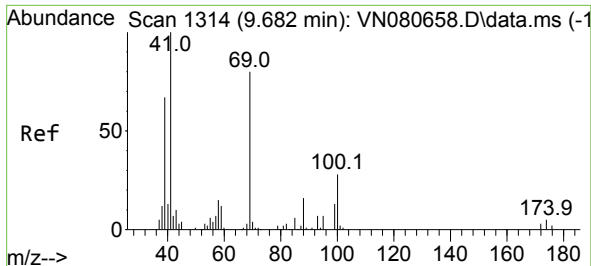
Tgt Ion: 43 Resp: 133930
Ion Ratio Lower Upper
43 100
61 18.6 24.7 37.1#
87 10.9 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.667 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 63 Resp: 1489
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

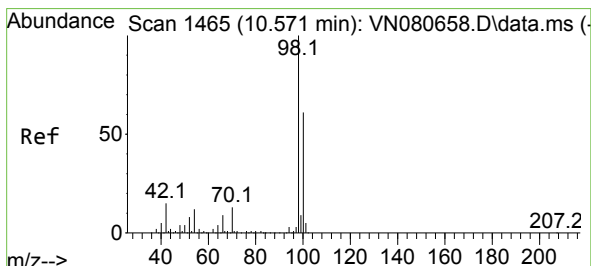
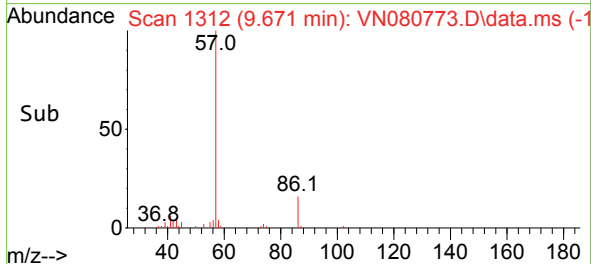
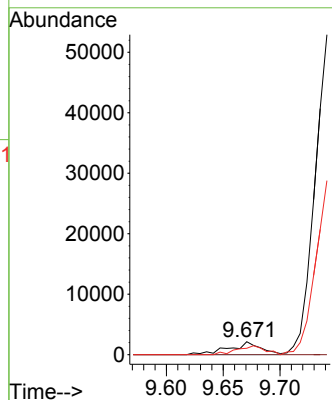
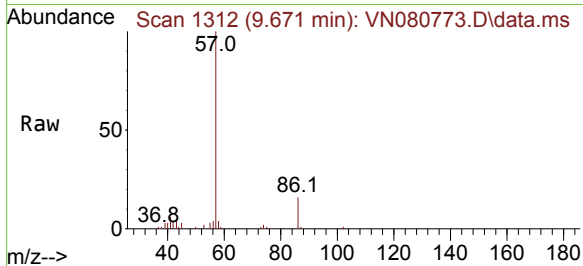




#48
Methyl methacrylate
Concen: 1.635 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

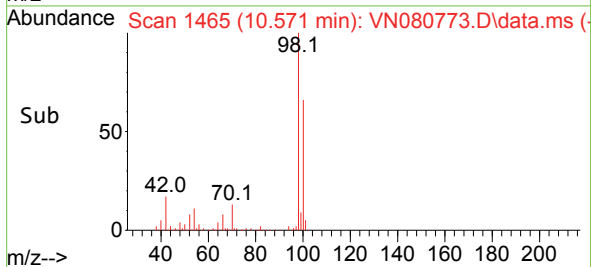
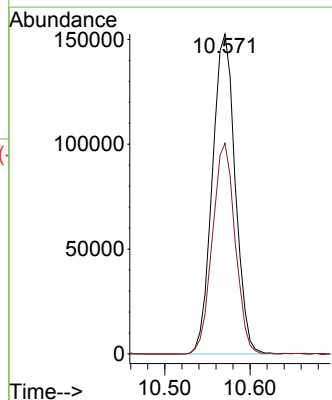
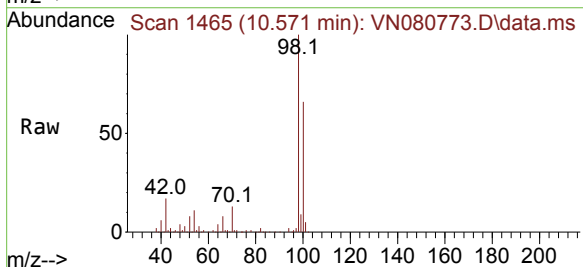
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

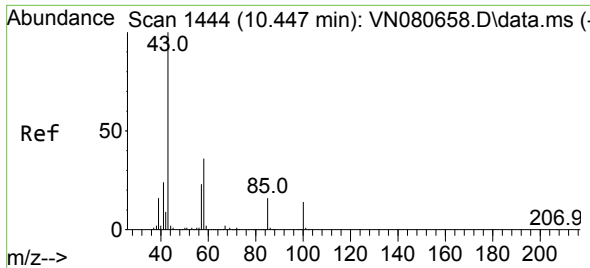
Tgt Ion: 41 Resp: 4130
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.6 54.6 81.8



#50
Toluene-d8
Concen: 50.946 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 98 Resp: 283858
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0

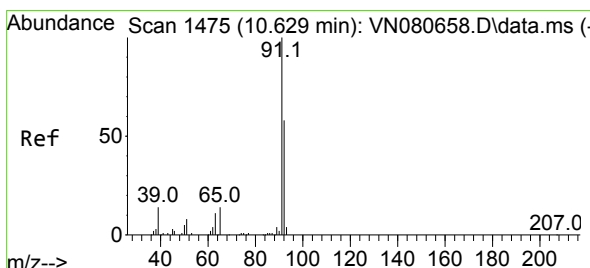
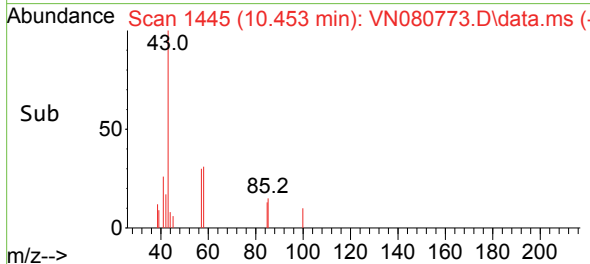
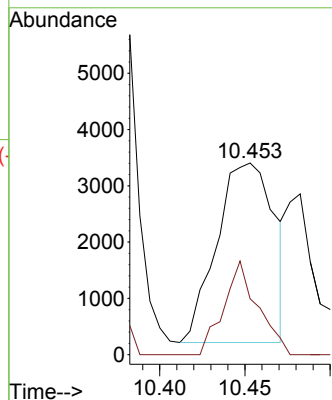
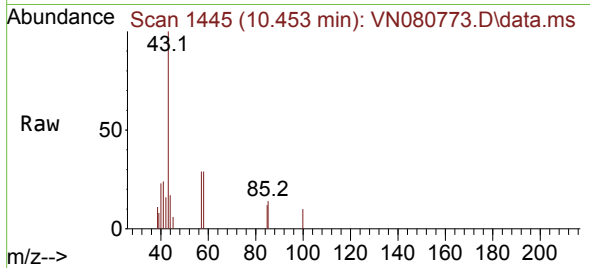




#51
4-Methyl-2-Pentanone
Concen: 2.600 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

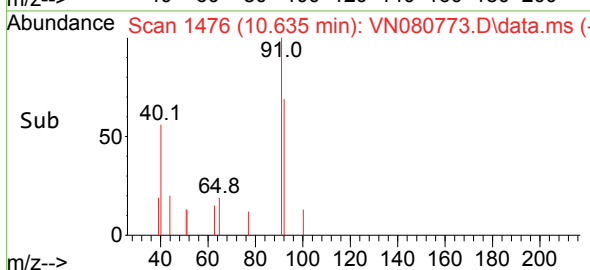
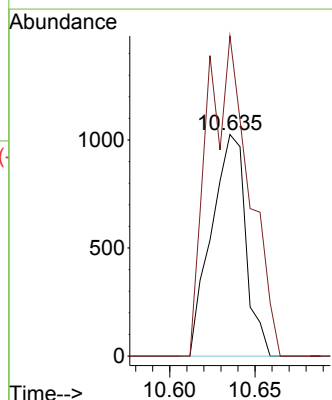
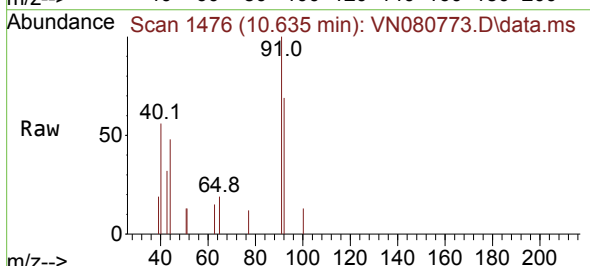
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

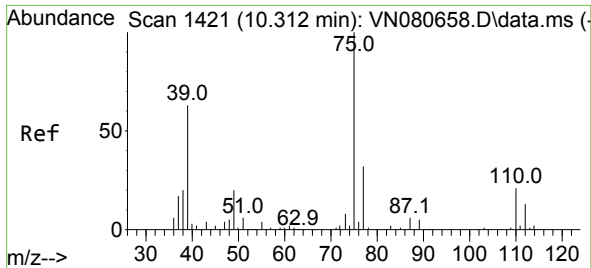
Tgt Ion: 43 Resp: 7483
Ion Ratio Lower Upper
43 100
58 30.9 36.6 54.8#



#52
Toluene
Concen: 0.298 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 92 Resp: 1437
Ion Ratio Lower Upper
92 100
91 176.1 137.4 206.0

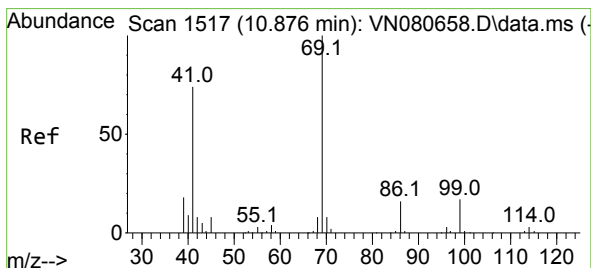
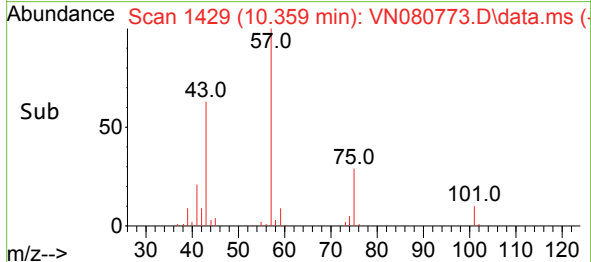
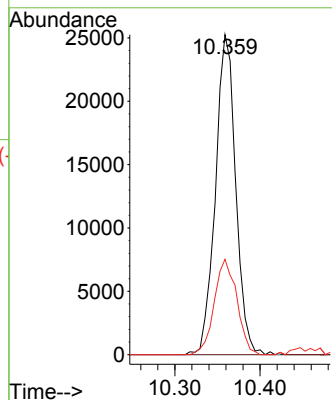
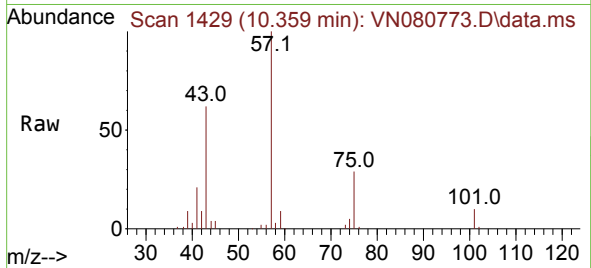




#54
 cis-1,3-Dichloropropene
 Concen: 11.320 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080773.D
 Acq: 26 Jan 2024 16:36

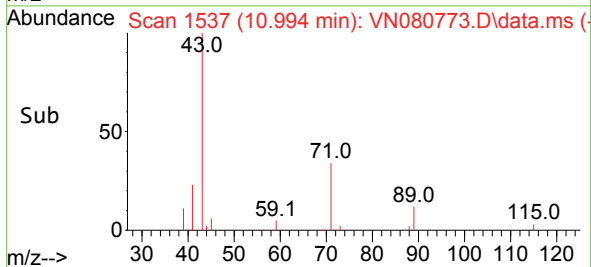
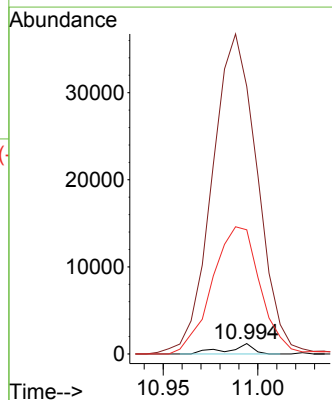
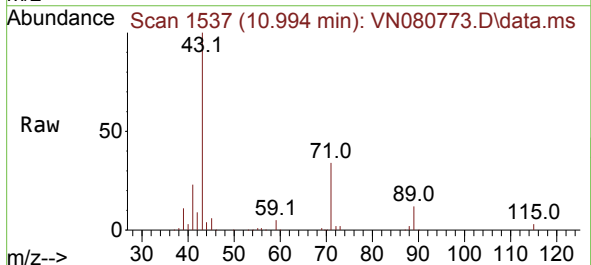
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

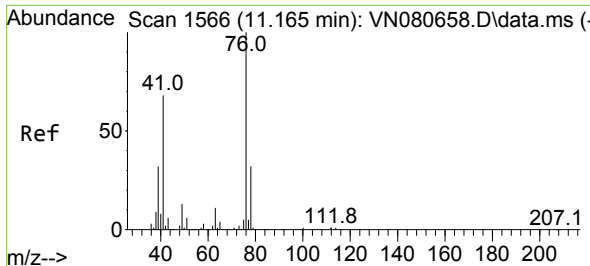
Tgt Ion: 75 Resp: 41743
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 29.8 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.335 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN080773.D
 Acq: 26 Jan 2024 16:36

Tgt Ion: 69 Resp: 1114
 Ion Ratio Lower Upper
 69 100
 41 5495.9 39.6 59.4#
 39 2335.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.368 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

Instrument :

MSVOA_N

ClientSampleId :

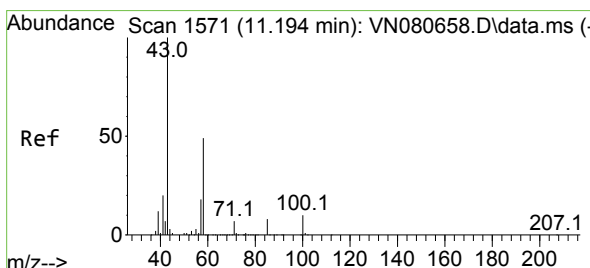
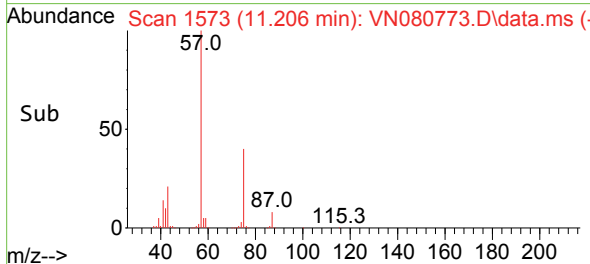
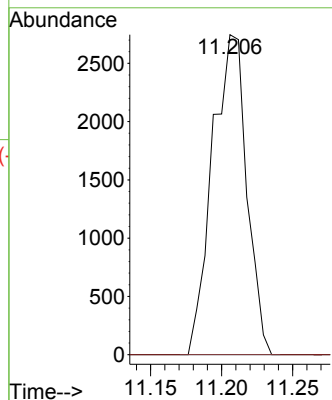
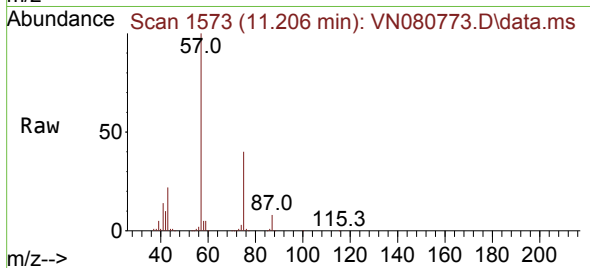
VNJ-232

Tgt Ion: 76 Resp: 4634

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 58.411 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080773.D

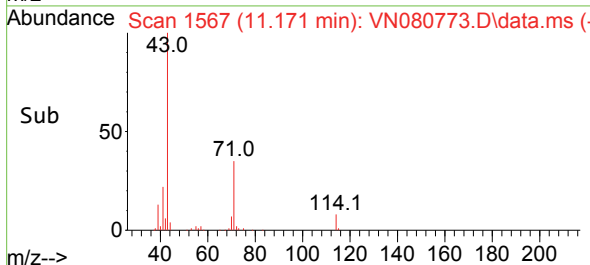
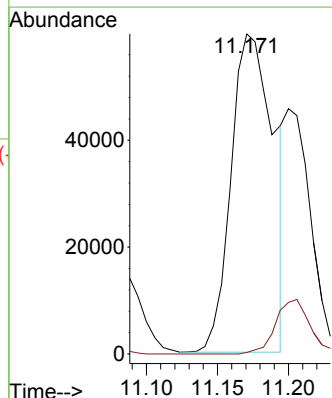
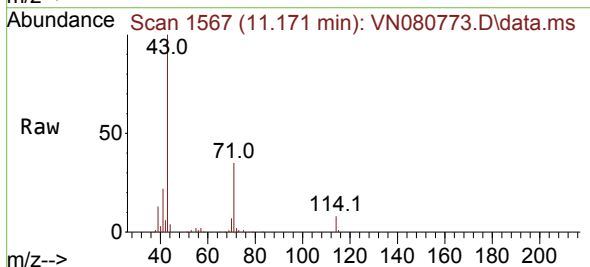
Acq: 26 Jan 2024 16:36

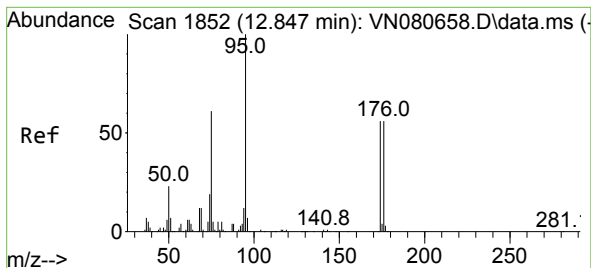
Tgt Ion: 43 Resp: 124113

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

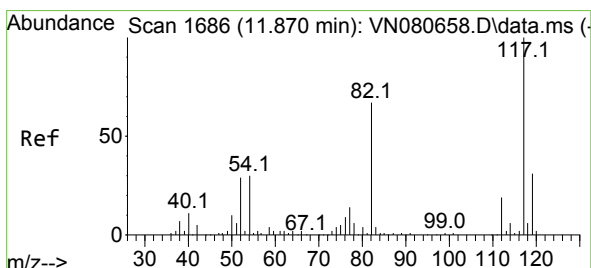
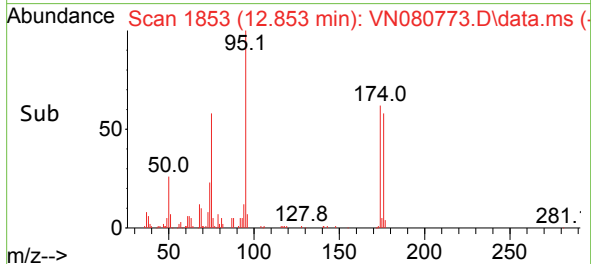
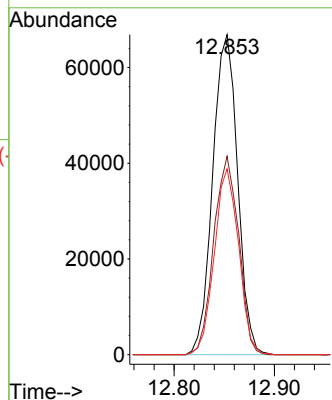
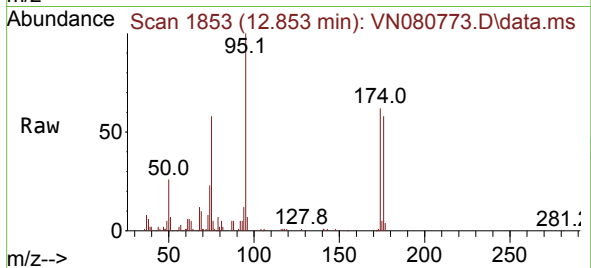




#62
4-Bromofluorobenzene
Concen: 54.016 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

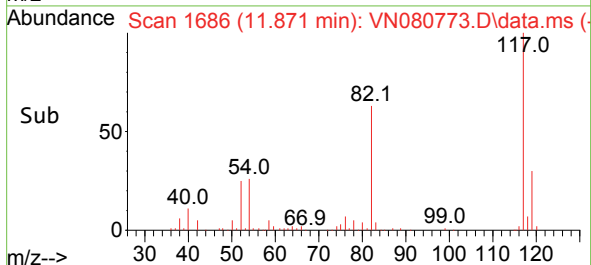
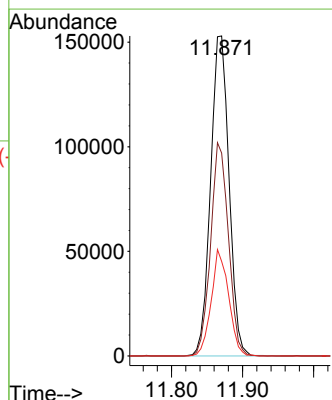
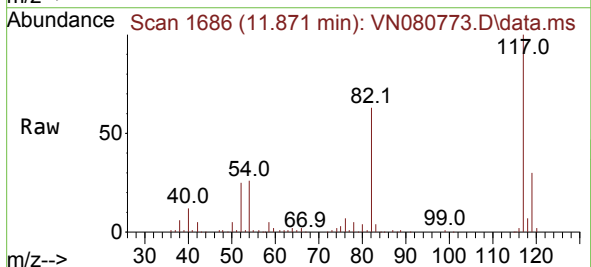
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

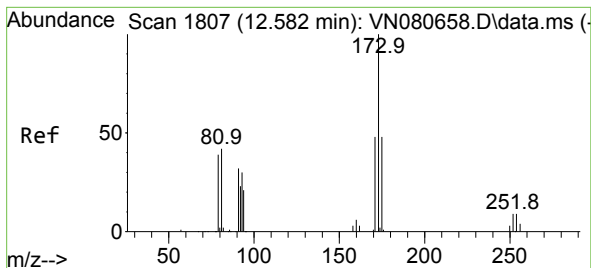
Tgt Ion: 95 Resp: 115414
Ion Ratio Lower Upper
95 100
174 62.0 0.0 143.8
176 56.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 117 Resp: 275411
Ion Ratio Lower Upper
117 100
82 63.4 44.0 66.0
119 29.6 25.6 38.4





#71

Bromoform

Concen: 0.272 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

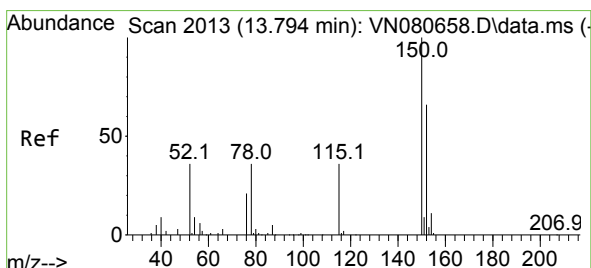
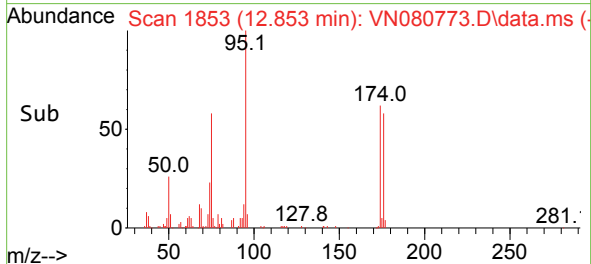
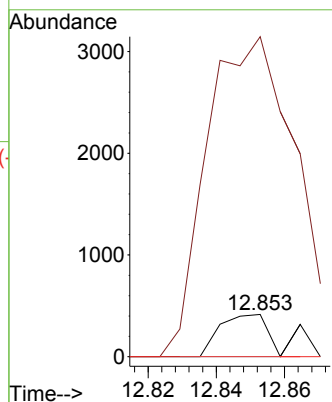
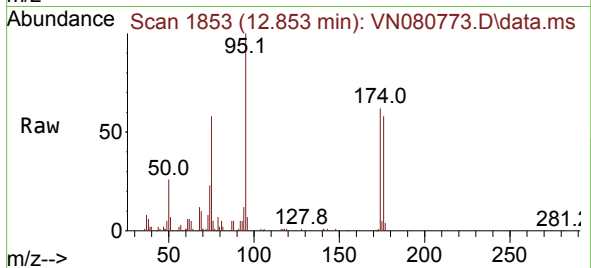
Tgt Ion:173 Resp: 400

Ion Ratio Lower Upper

173 100

175 1172.5 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080773.D

Acq: 26 Jan 2024 16:36

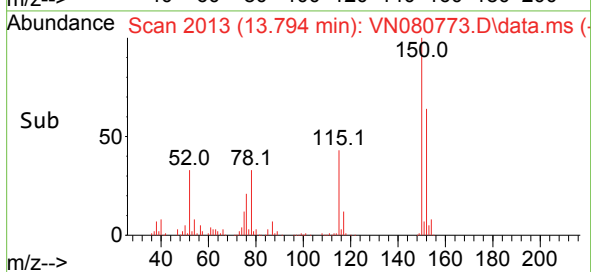
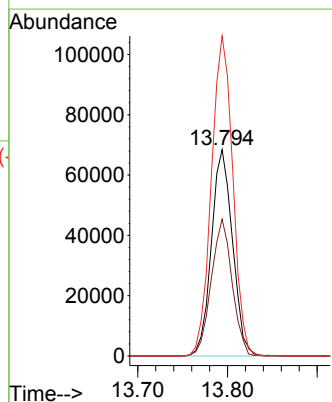
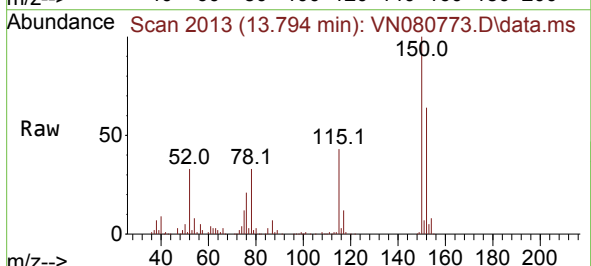
Tgt Ion:152 Resp: 111732

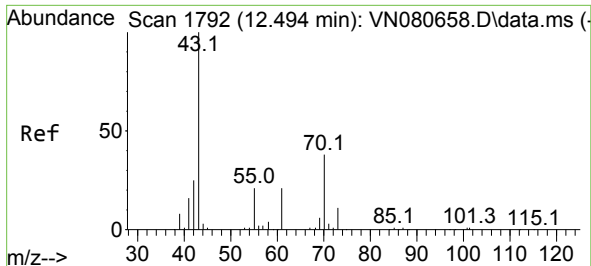
Ion Ratio Lower Upper

152 100

115 65.6 32.3 96.8

150 157.0 0.0 355.8

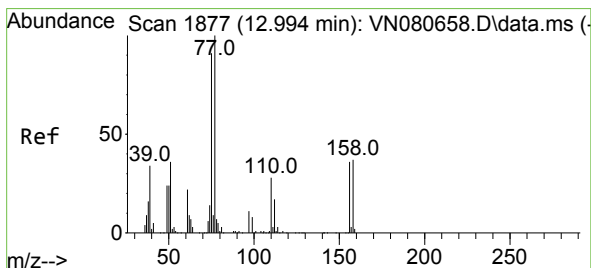
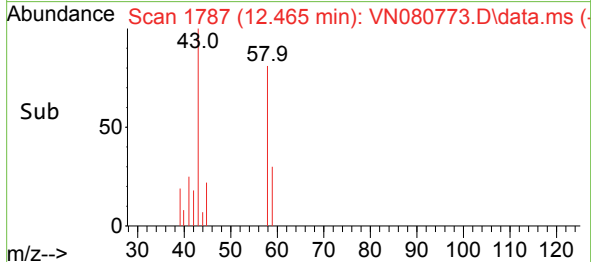
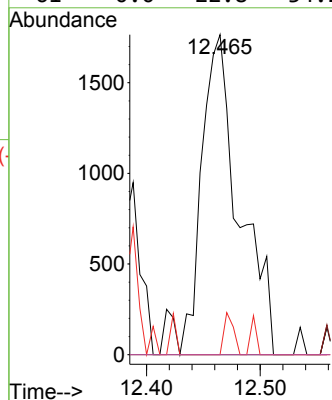
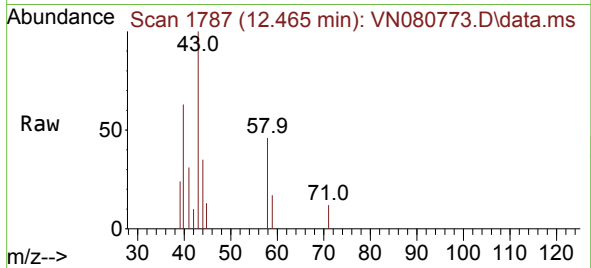




#74
N-amy1 acetate
Concen: 0.634 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.029 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

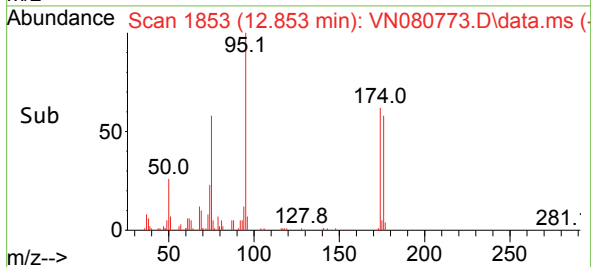
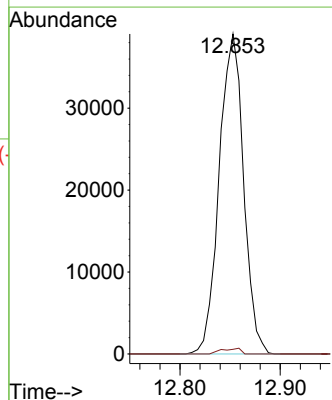
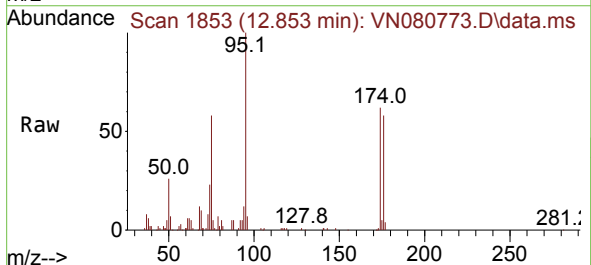
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

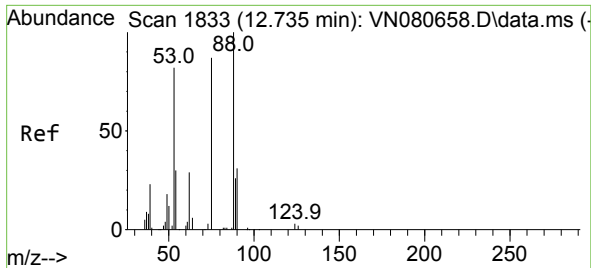
Tgt Ion: 43 Resp: 4040
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.4 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 19.132 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080773.D
Acq: 26 Jan 2024 16:36

Tgt Ion: 75 Resp: 65915
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.101 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080773.D
 Acq: 26 Jan 2024 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

Tgt Ion: 75 Resp: 65915
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

