

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078055.D
 Acq On : 05 Jun 2023 19:33
 Operator : JC\MD
 Sample : 03018-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11991

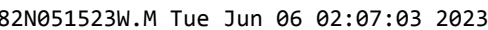
Quant Time: Jun 06 02:06:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

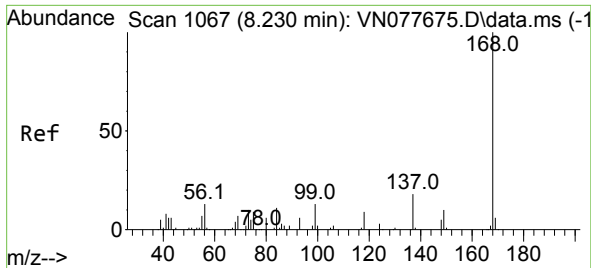
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	383340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	709444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	669723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	215735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	263932	46.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.040%		
35) Dibromofluoromethane	8.177	113	232047	50.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.320%		
50) Toluene-d8	10.571	98	906279	50.896	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.800%		
62) 4-Bromofluorobenzene	12.853	95	301739	47.979	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.960%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	997	Below Cal	#	42
13) Acrolein	3.906	56	60	Below Cal	#	16
16) Acetone	4.447	43	20906	11.585	ug/l #	82
18) Methyl Acetate	5.042	43	3251	0.429	ug/l #	52
20) Methylene Chloride	5.294	84	14003	1.047	ug/l	97
25) 2-Butanone	7.571	43	64025	22.681	ug/l #	37
29) Tetrahydrofuran	7.859	42	959	0.519	ug/l #	24
31) Cyclohexane	8.230	56	9228	1.184	ug/l #	23
36) 1,1-Dichloropropene	8.235	75	32398	4.788	ug/l #	49
37) Ethyl Acetate	7.571	43	64025	10.616	ug/l #	93
38) Carbon Tetrachloride	8.235	117	41609	6.090	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1822	0.251	ug/l	85
43) Isopropyl Acetate	8.694	43	321400	32.626	ug/l #	79
48) Methyl methacrylate	9.747	41	198074	42.409	ug/l #	29
49) 1,4-Dioxane	9.694	88	54	0.612	ug/l #	30
51) 4-Methyl-2-Pentanone	10.365	43	184471	31.503	ug/l #	41
53) t-1,3-Dichloropropene	10.729	75	1678	0.227	ug/l #	86
54) cis-1,3-Dichloropropene	10.365	75	97704	11.999	ug/l #	71
57) 1,3-Dichloropropane	11.206	76	10285	1.215	ug/l #	43
59) 2-Hexanone	11.176	43	206616	47.704	ug/l #	19
71) Bromoform	12.847	173	1763	0.528	ug/l #	1
74) N-amyl acetate	12.306	43	36722	5.342	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	161253	29.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	161253	95.404	ug/l #	15

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

Quant Time: Jun 06 02:06:52 2023
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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

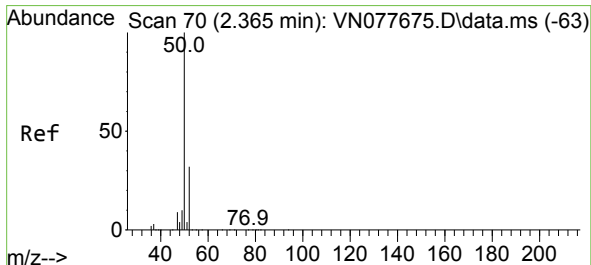
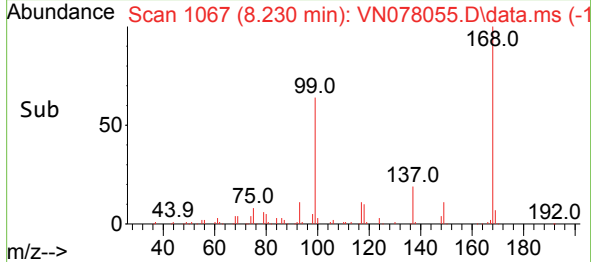
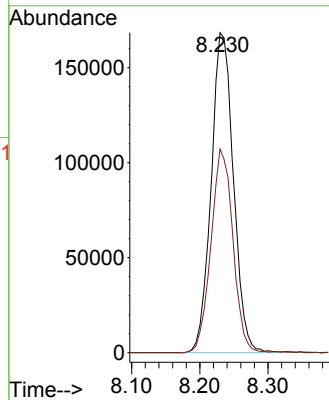
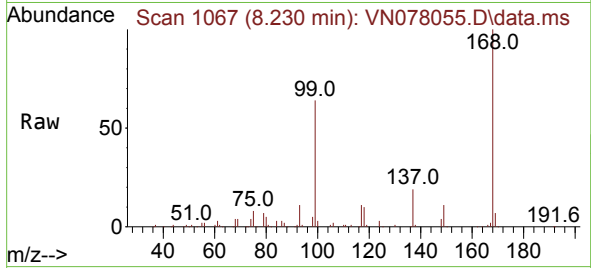




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

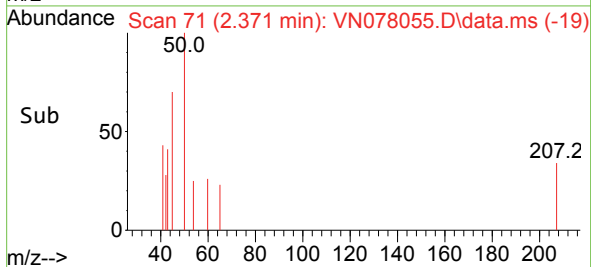
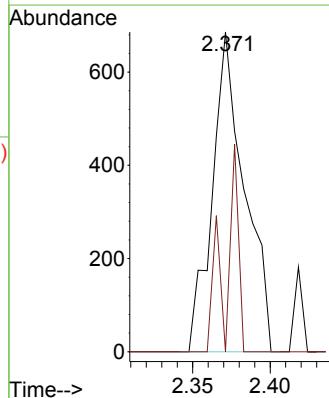
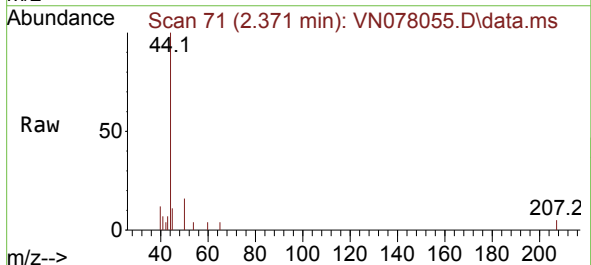
Instrument :
MSVOA_N
ClientSampleId :
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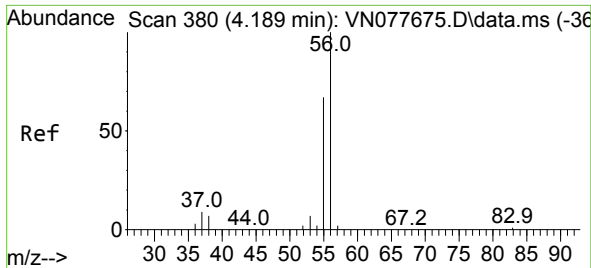
Tgt Ion:168 Resp: 383340
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

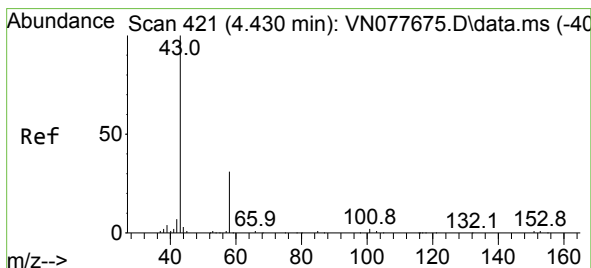
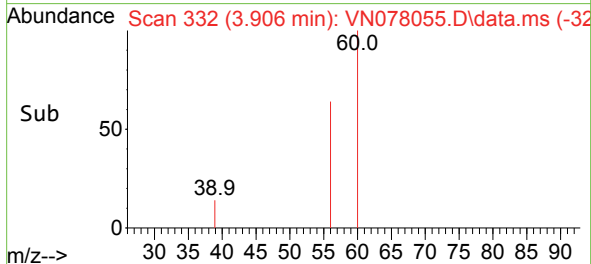
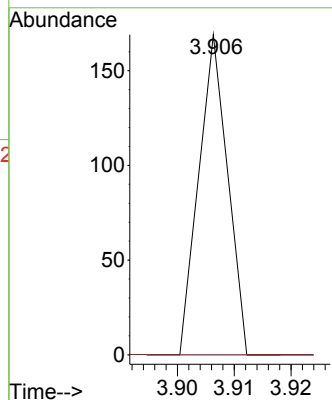
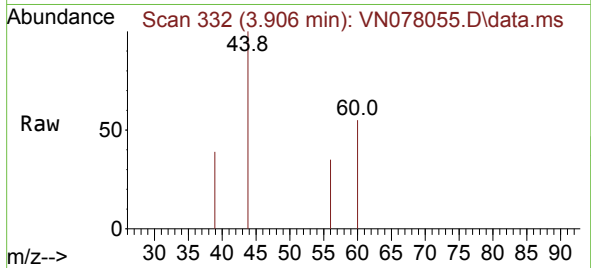




#13
Acrolein
Concen: Below Cal
RT: 3.906 min Scan# 31
Delta R.T. -0.283 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

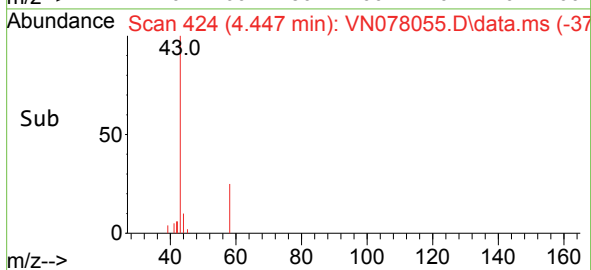
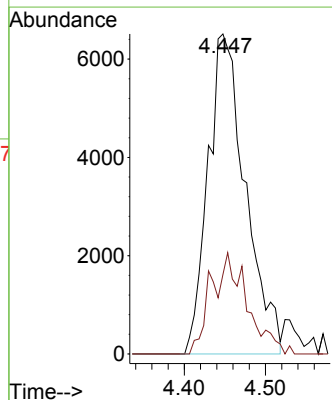
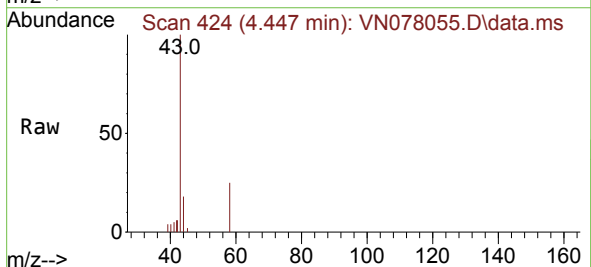
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ClientSampleId :
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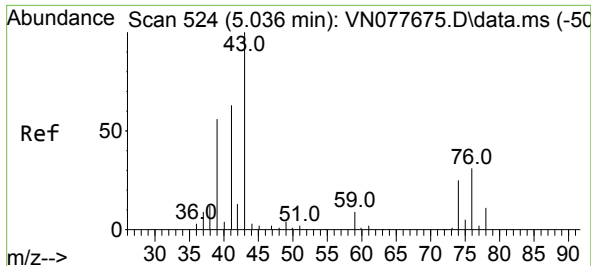
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 11.585 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 43 Resp: 20906
Ion Ratio Lower Upper
43 100
58 24.8 28.0 42.0#

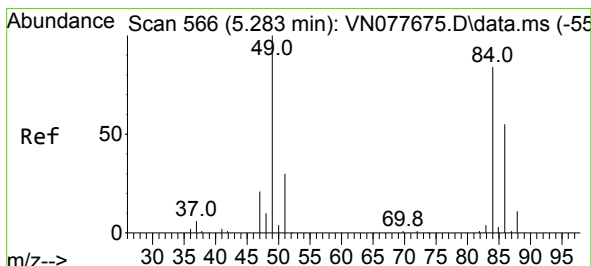
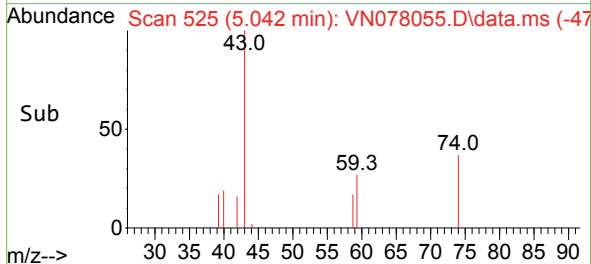
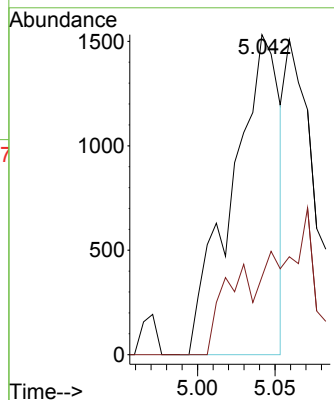
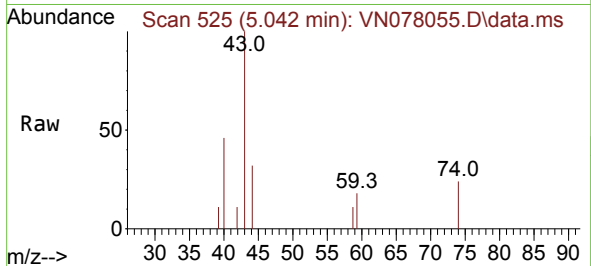




#18
Methyl Acetate
Concen: 0.429 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

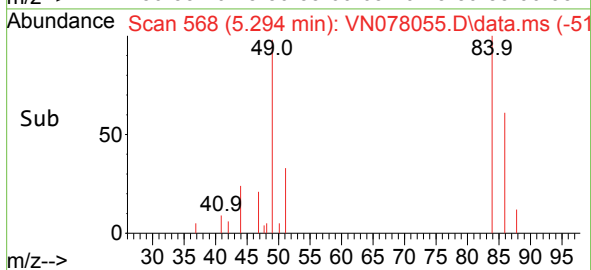
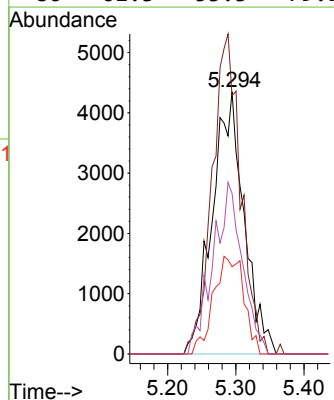
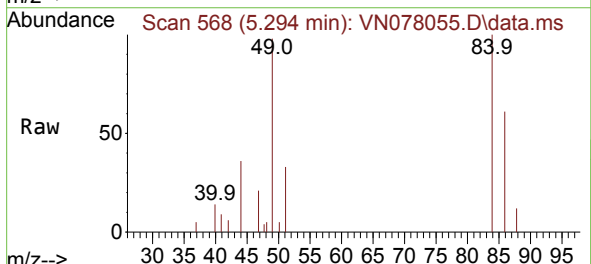
Instrument :
MSVOA_N
ClientSampleId :
72-11991

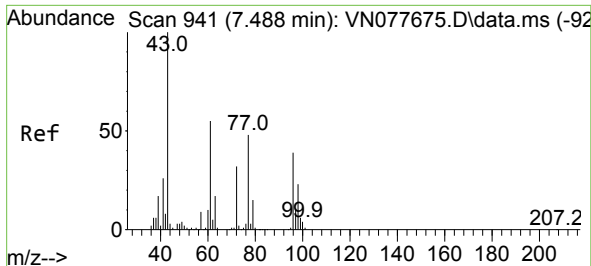
Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
74 5.8 26.2 39.4#



#20
Methylene Chloride
Concen: 1.047 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 84 Resp: 14003
Ion Ratio Lower Upper
84 100
49 98.4 79.7 119.5
51 33.3 25.2 37.8
86 61.3 53.3 79.9

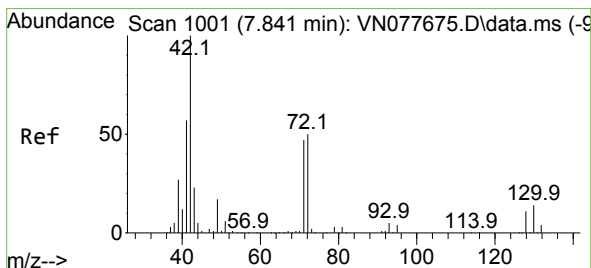
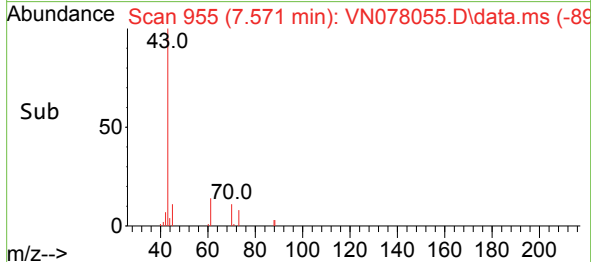
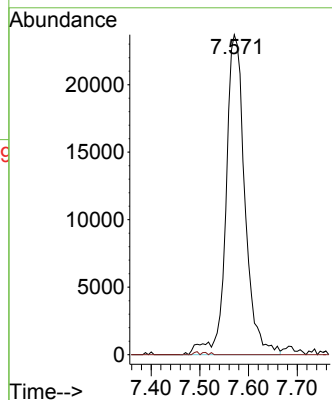
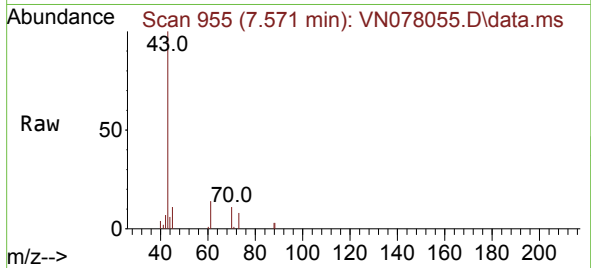




#25
2-Butanone
Concen: 22.681 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.083 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

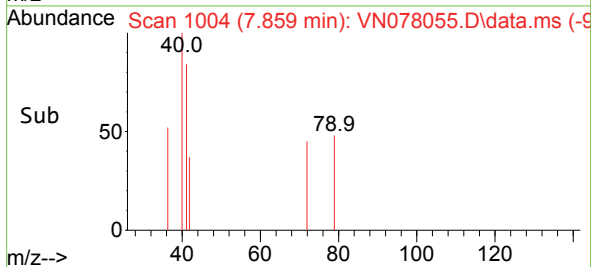
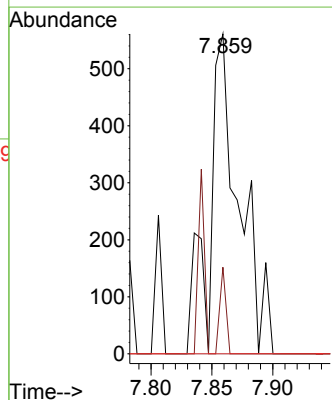
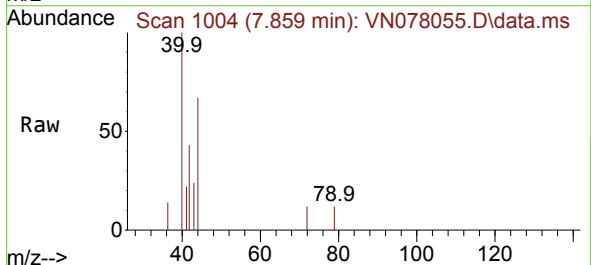
Instrument :
MSVOA_N
ClientSampleId :
72-11991

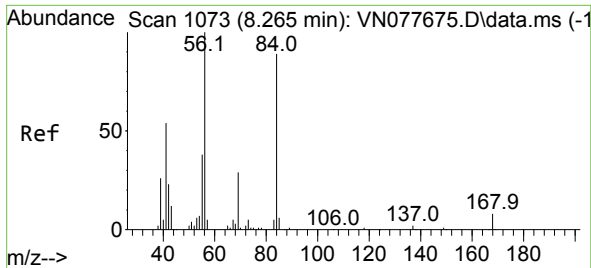
Tgt Ion: 43 Resp: 64025
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.519 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

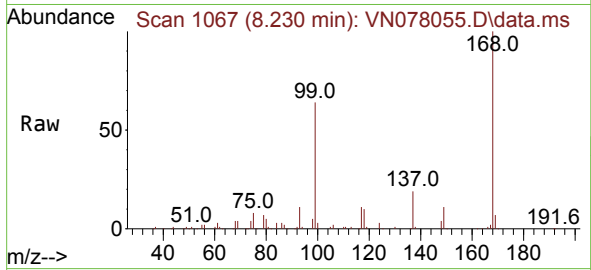
Tgt Ion: 42 Resp: 959
Ion Ratio Lower Upper
42 100
72 5.6 49.8 74.6#
71 0.0 47.4 71.2#



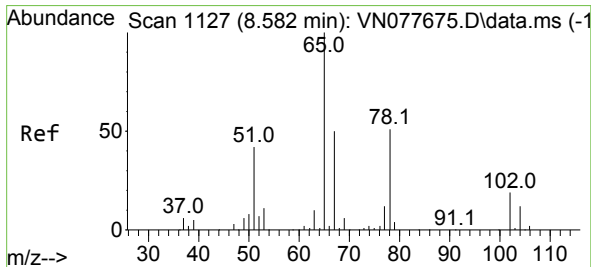
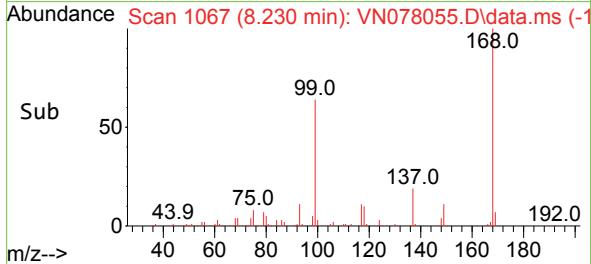
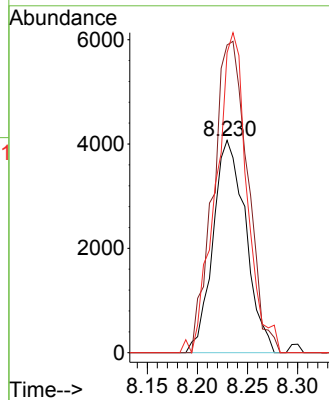


#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Instrument :
MSVOA_N
ClientSampleId :
72-11991

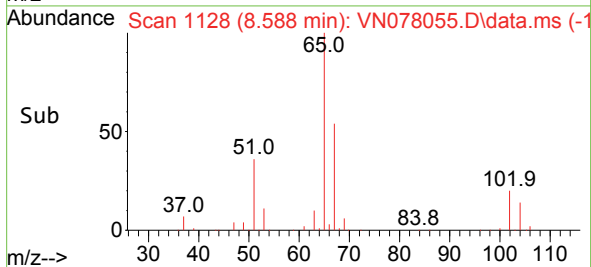
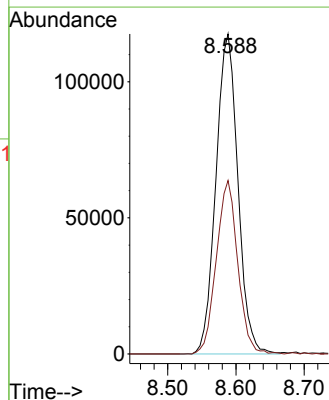
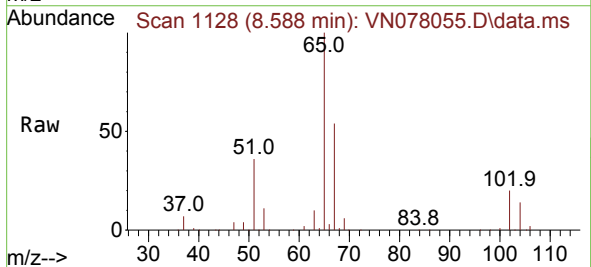


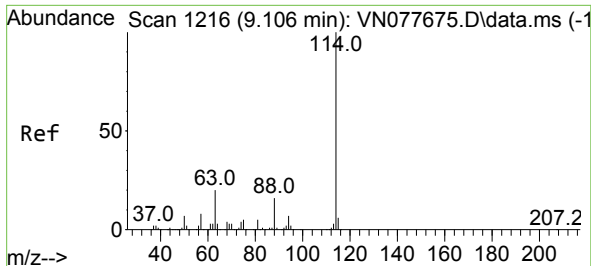
Tgt Ion: 56 Resp: 9228
Ion Ratio Lower Upper
56 100
69 144.9 26.8 40.2#
84 141.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.015 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 65 Resp: 263932
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6

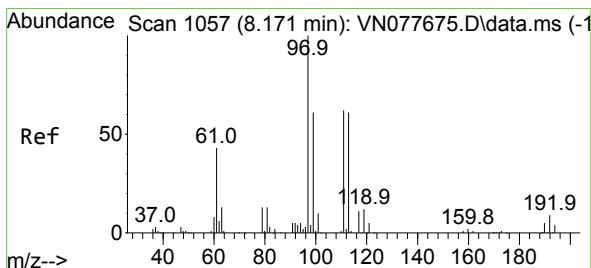
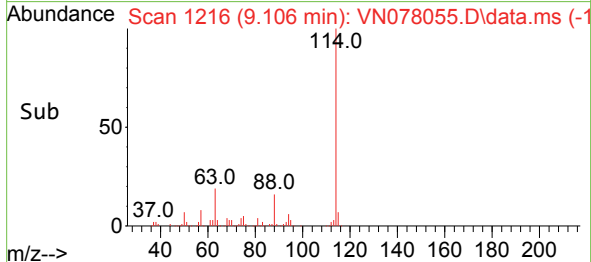
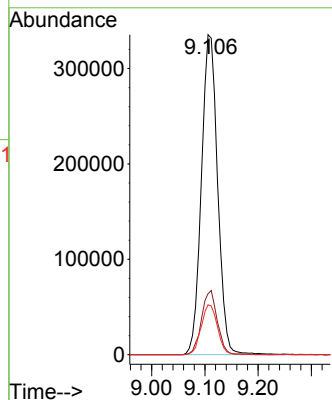
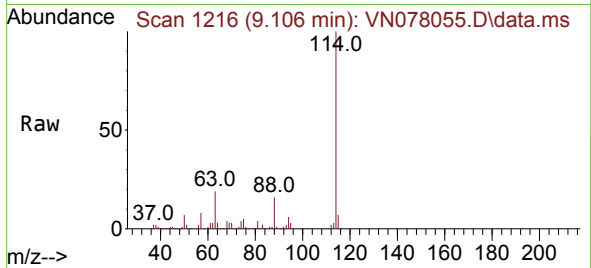




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

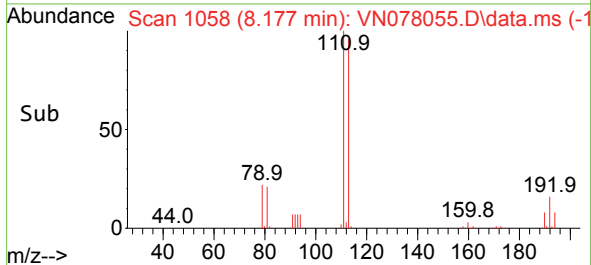
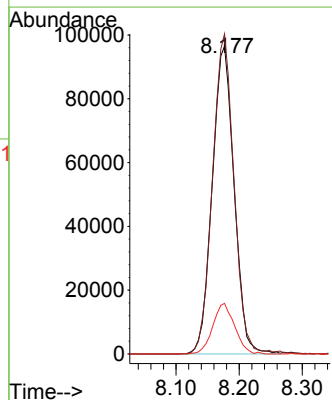
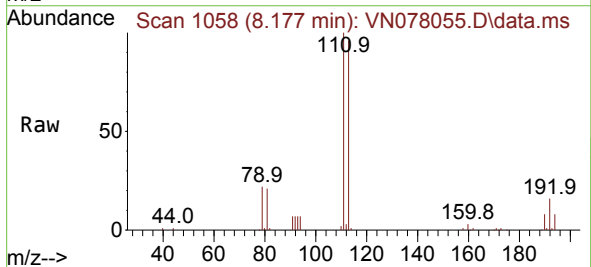
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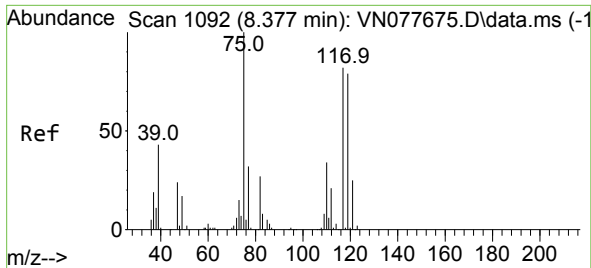
Tgt Ion:114 Resp: 709444
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.159 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion:113 Resp: 232047
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 16.5 12.7 19.1

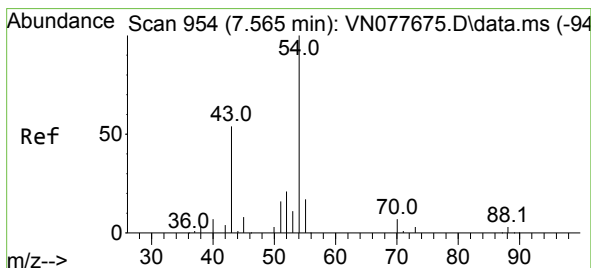
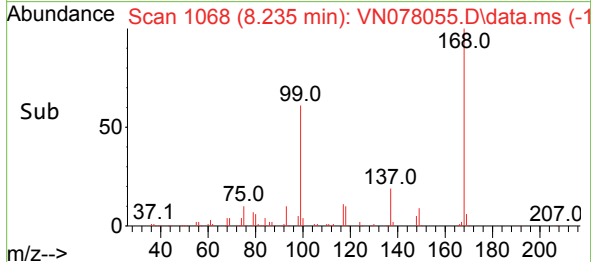
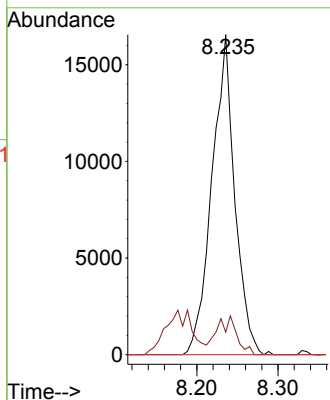
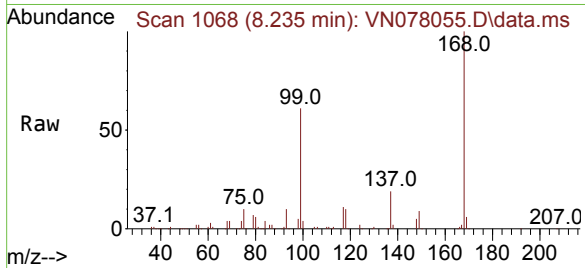




#36
1,1-Dichloropropene
Concen: 4.788 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

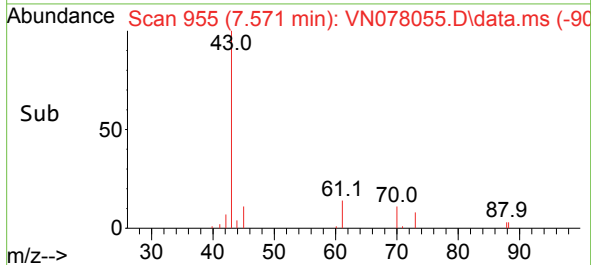
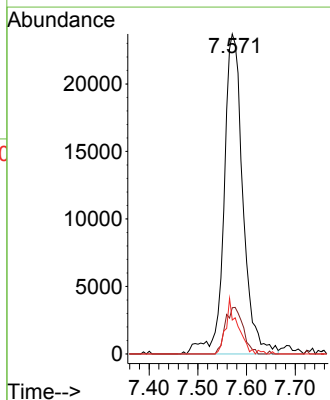
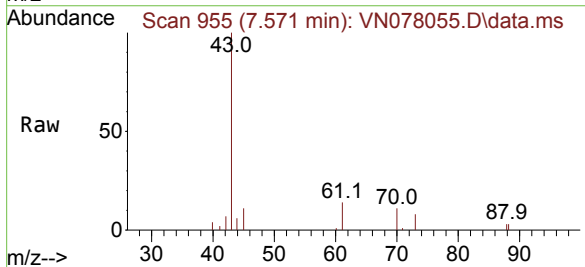
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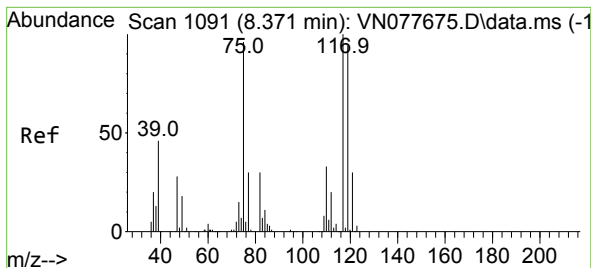
Tgt Ion: 75 Resp: 32398
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.616 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 43 Resp: 64025
Ion Ratio Lower Upper
43 100
61 13.7 13.2 19.8
70 10.9 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 6.090 ug/l

RT: 8.235 min Scan# 110

Delta R.T. -0.136 min

Lab File: VN078055.D

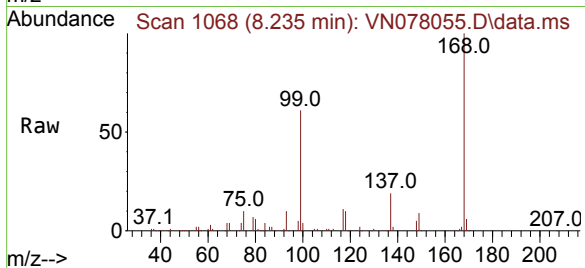
Acq: 05 Jun 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

72-11991



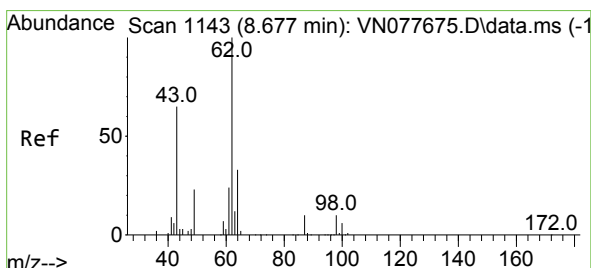
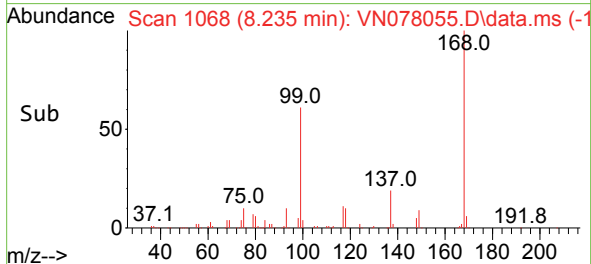
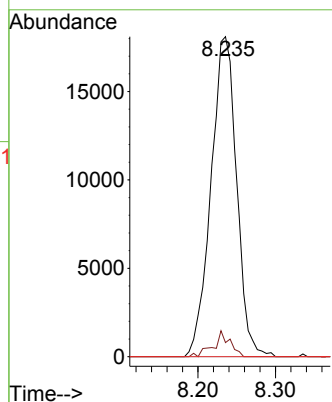
Tgt Ion:117 Resp: 41609

Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.251 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN078055.D

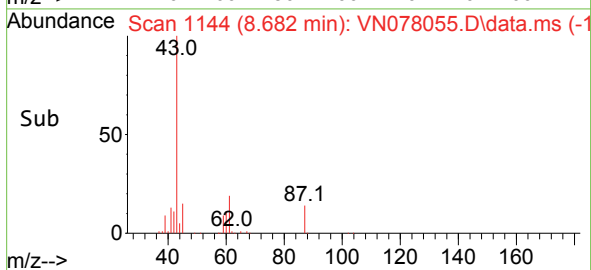
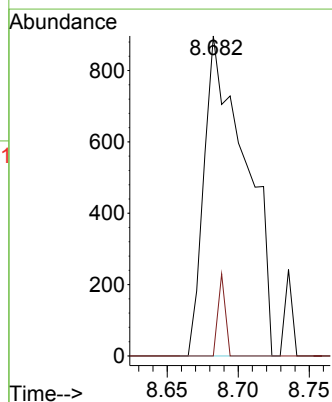
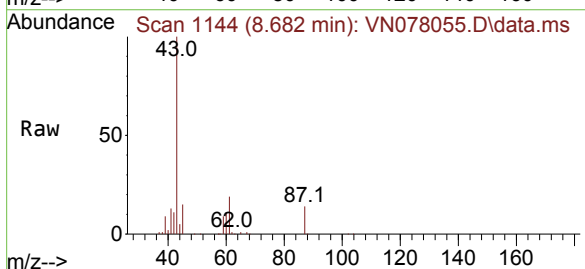
Acq: 05 Jun 2023 19:33

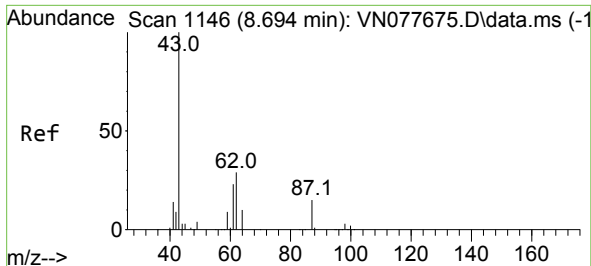
Tgt Ion: 62 Resp: 1822

Ion Ratio Lower Upper

62 100

98 4.4 0.0 19.8

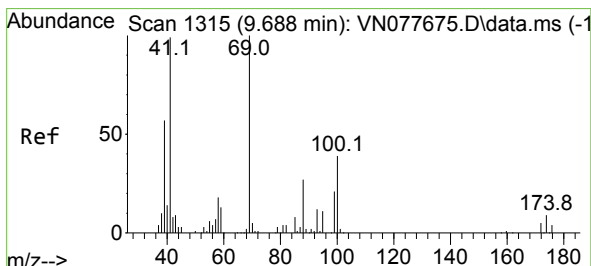
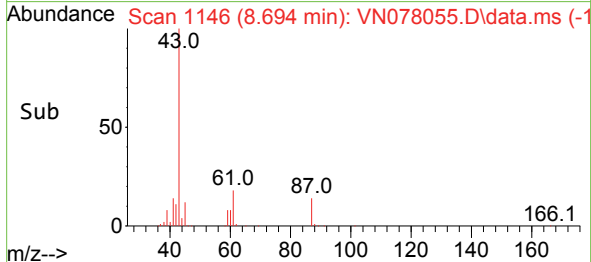
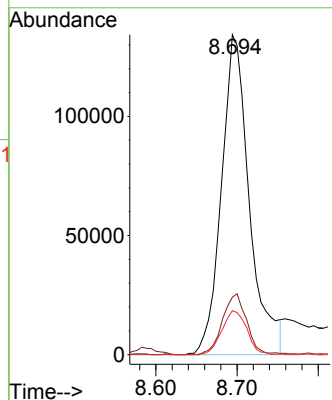
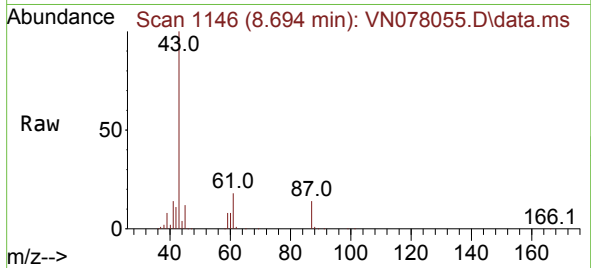




#43
Isopropyl Acetate
Concen: 32.626 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

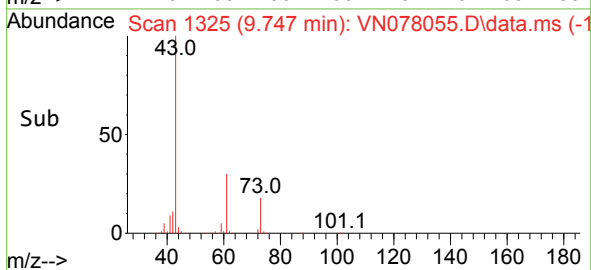
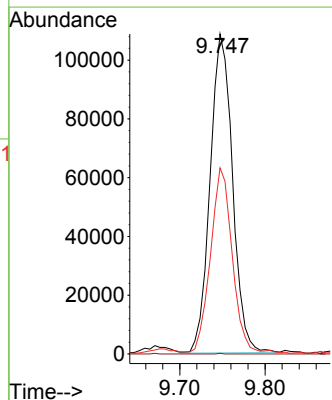
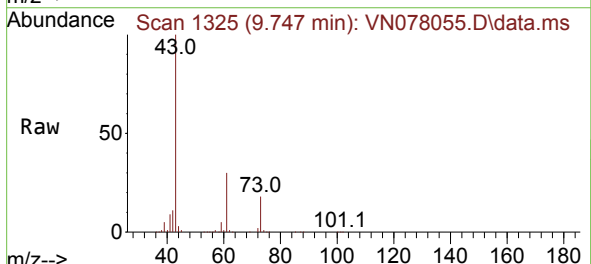
Instrument :
MSVOA_N
ClientSampleId :
72-11991

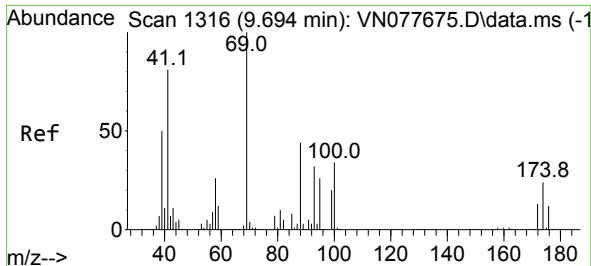
Tgt Ion: 43 Resp: 321400
Ion Ratio Lower Upper
43 100
61 16.7 24.7 37.1#
87 12.3 14.6 21.8#



#48
Methyl methacrylate
Concen: 42.409 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 41 Resp: 198074
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 56.7 54.6 81.8





#49

1,4-Dioxane

Concen: 0.612 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN078055.D

Acq: 05 Jun 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

72-11991

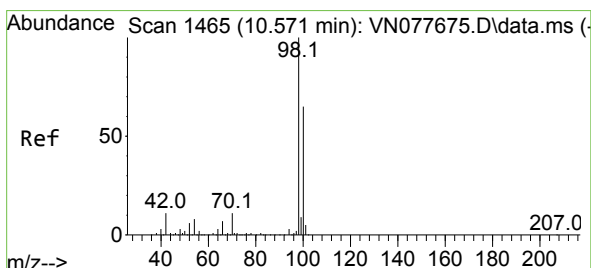
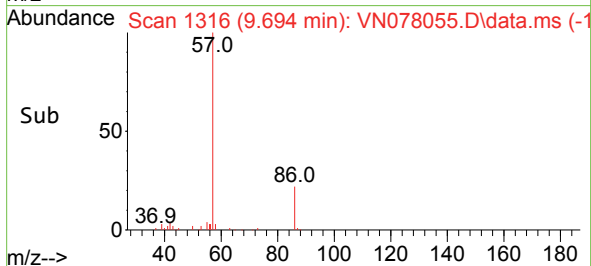
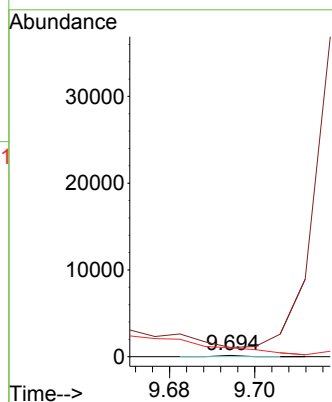
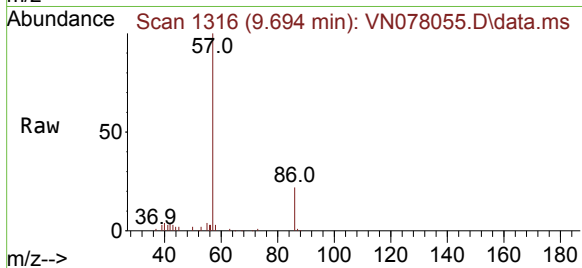
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 50.896 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078055.D

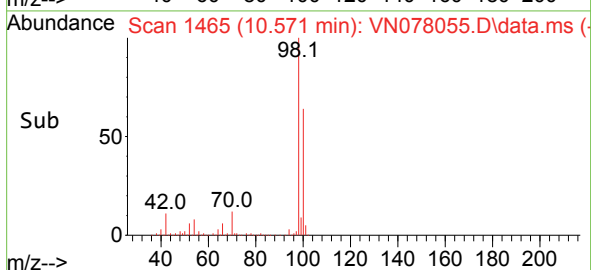
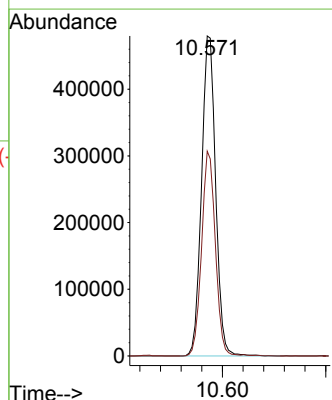
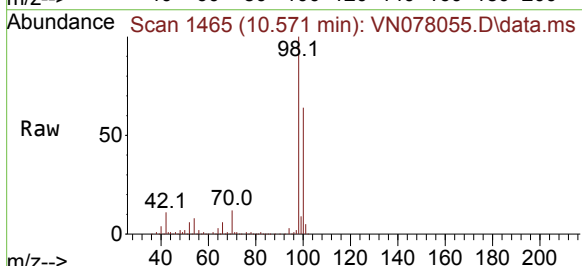
Acq: 05 Jun 2023 19:33

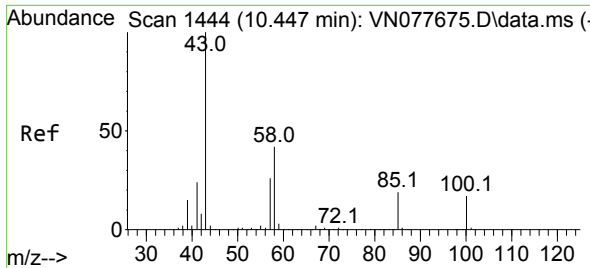
Tgt Ion: 98 Resp: 906279

Ion Ratio Lower Upper

98 100

100 62.6 52.0 78.0

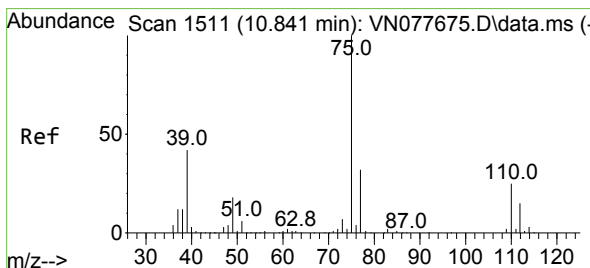
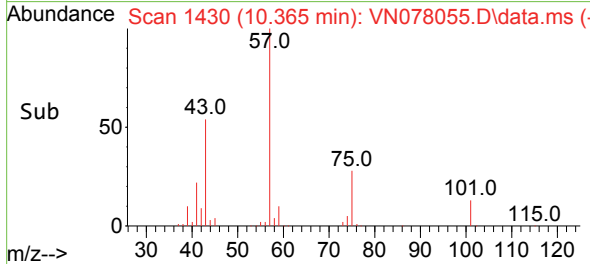
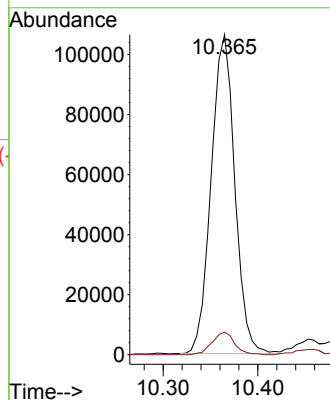
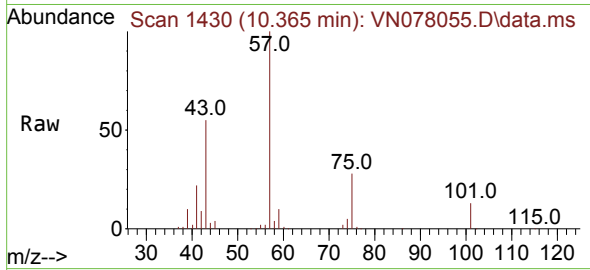




#51
4-Methyl-2-Pentanone
Concen: 31.503 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

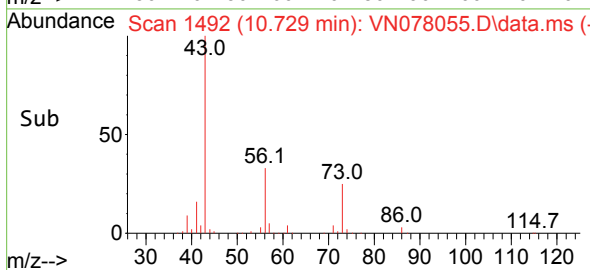
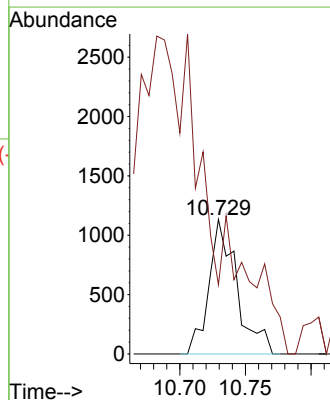
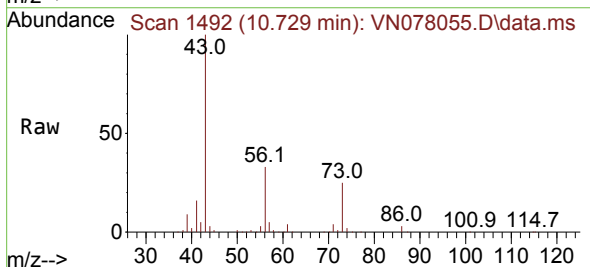
Instrument :
MSVOA_N
ClientSampleId :
72-11991

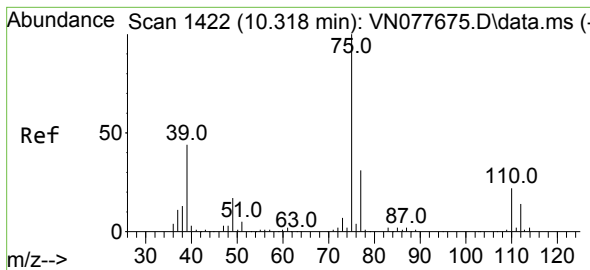
Tgt Ion: 43 Resp: 184471
Ion Ratio Lower Upper
43 100
58 6.7 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.227 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 75 Resp: 1678
Ion Ratio Lower Upper
75 100
77 24.0 25.4 38.0#

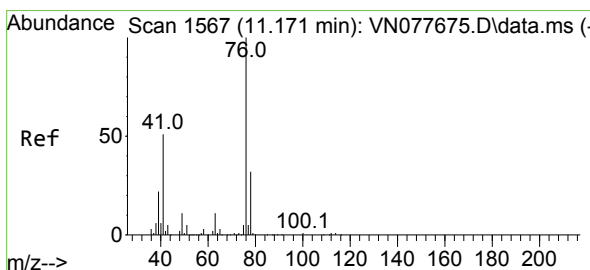
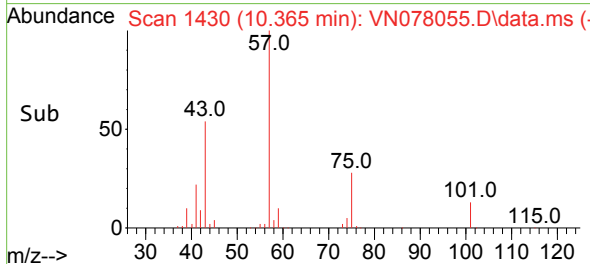
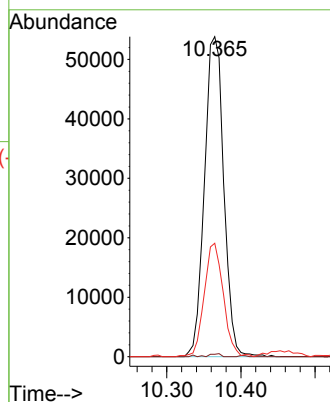
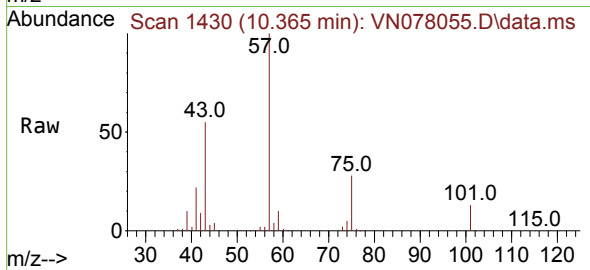




#54
 cis-1,3-Dichloropropene
 Concen: 11.999 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078055.D
 Acq: 05 Jun 2023 19:33

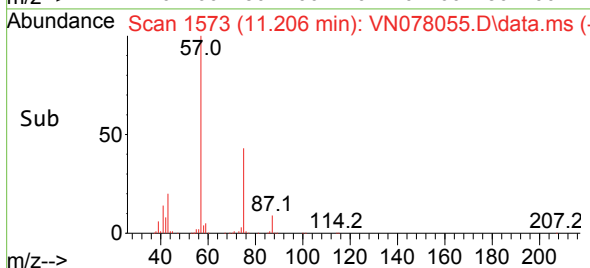
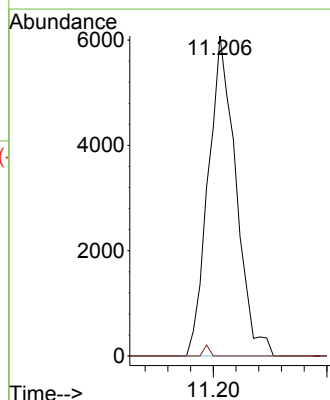
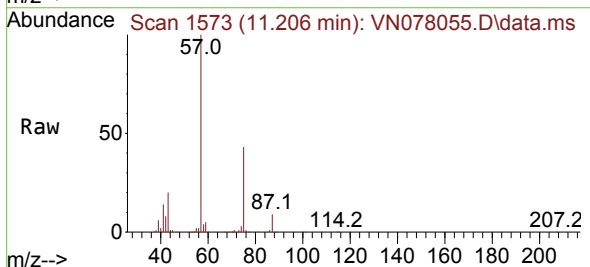
Instrument :
 MSVOA_N
 ClientSampleId :
 72-11991

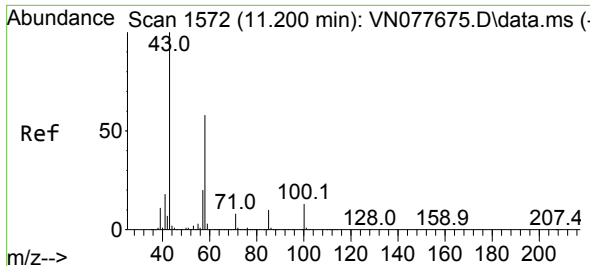
Tgt Ion: 75 Resp: 97704
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 35.1 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.215 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078055.D
 Acq: 05 Jun 2023 19:33

Tgt Ion: 76 Resp: 10285
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.1 39.1#

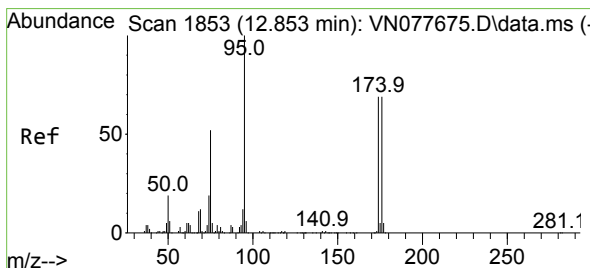
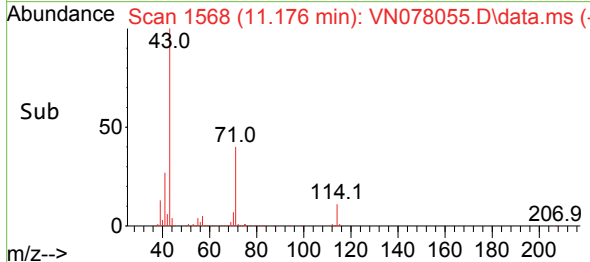
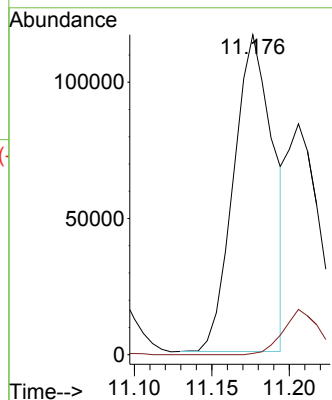
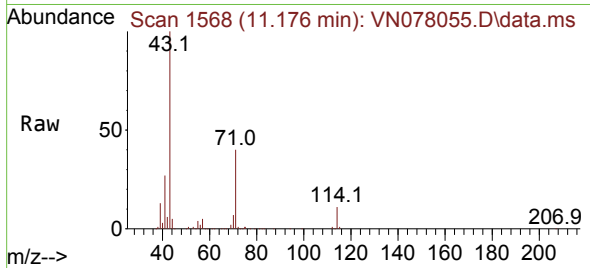




#59
2-Hexanone
Concen: 47.704 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

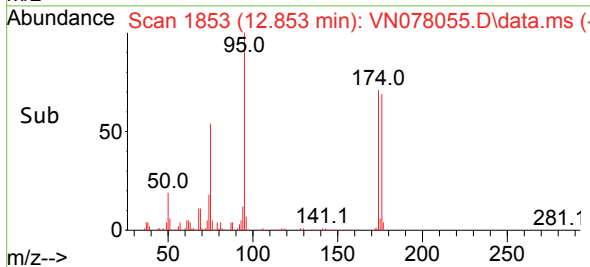
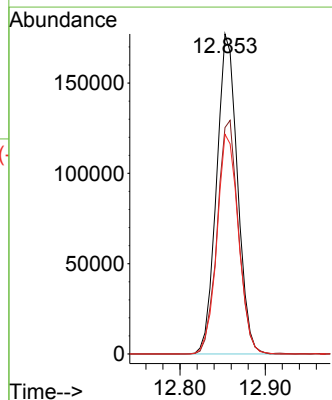
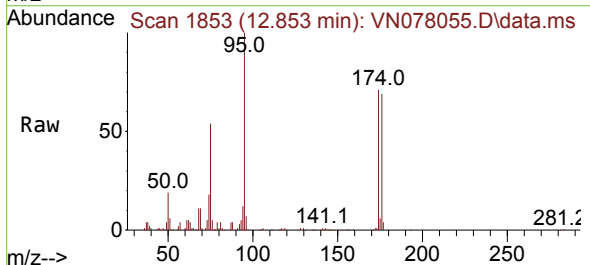
Instrument :
MSVOA_N
ClientSampleId :
72-11991

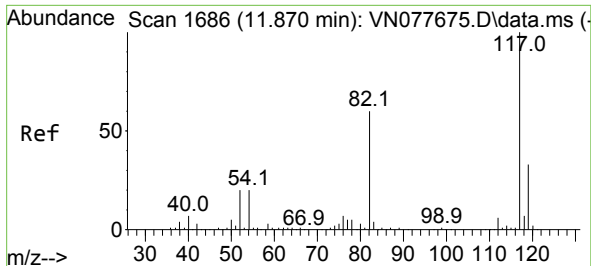
Tgt Ion: 43 Resp: 206616
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.979 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion: 95 Resp: 301739
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 70.8 0.0 135.8

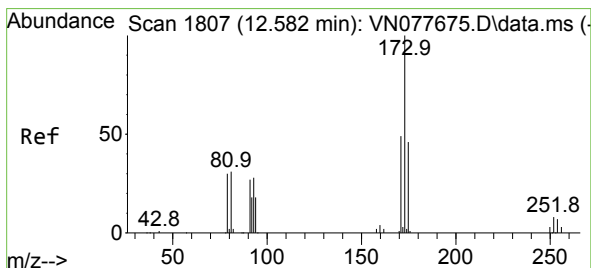
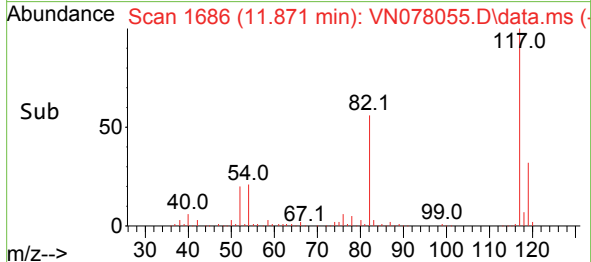
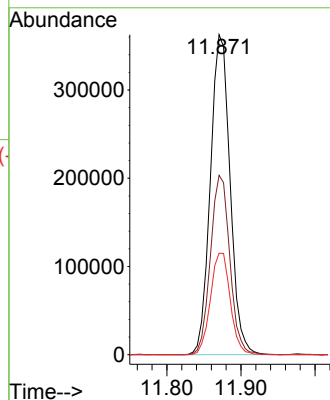
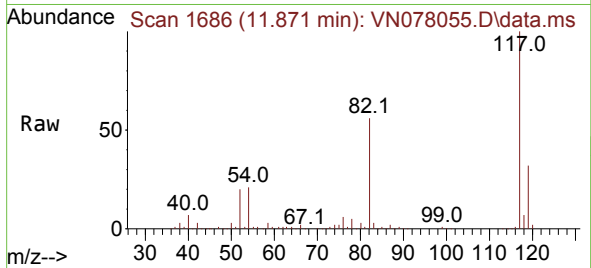




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

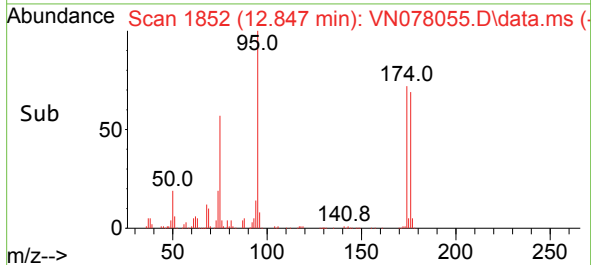
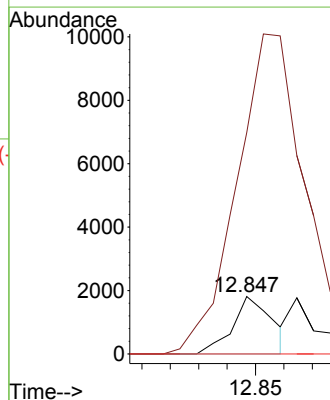
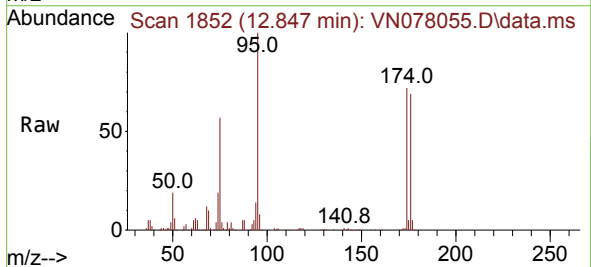
Instrument :
MSVOA_N
ClientSampleId :
72-11991

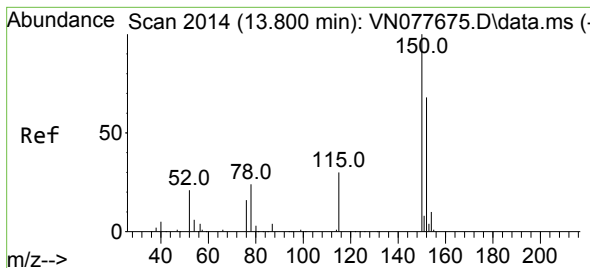
Tgt Ion:117 Resp: 669723
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.528 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078055.D
Acq: 05 Jun 2023 19:33

Tgt Ion:173 Resp: 1763
Ion Ratio Lower Upper
173 100
175 683.9 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN078055.D

Acq: 05 Jun 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

72-11991

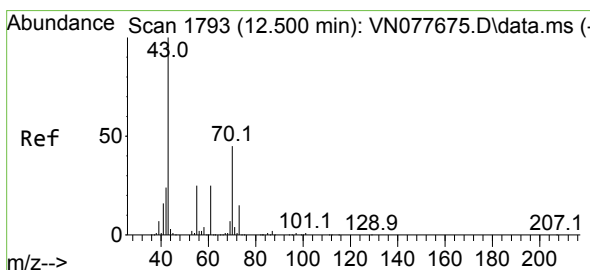
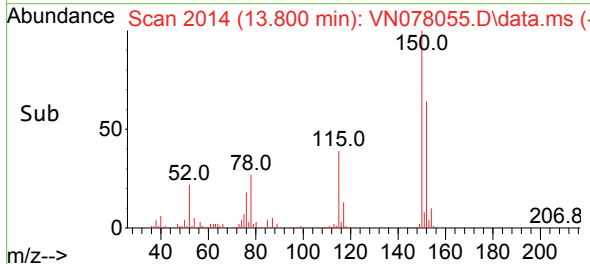
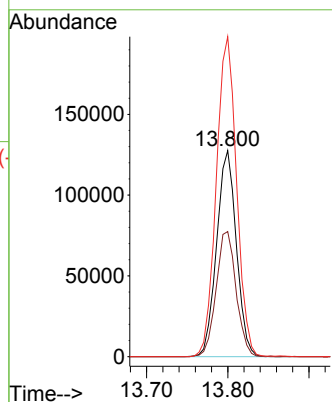
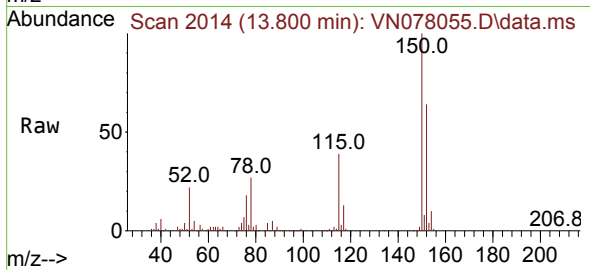
Tgt Ion:152 Resp: 215735

Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

150 159.3 0.0 355.8



#74

N-ethyl acetate

Concen: 5.342 ug/l

RT: 12.306 min Scan# 1760

Delta R.T. -0.194 min

Lab File: VN078055.D

Acq: 05 Jun 2023 19:33

Tgt Ion: 43 Resp: 36722

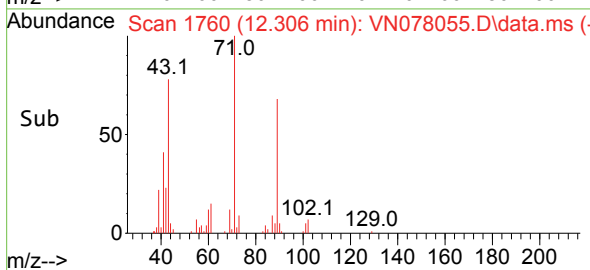
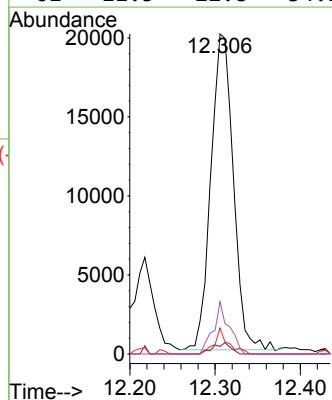
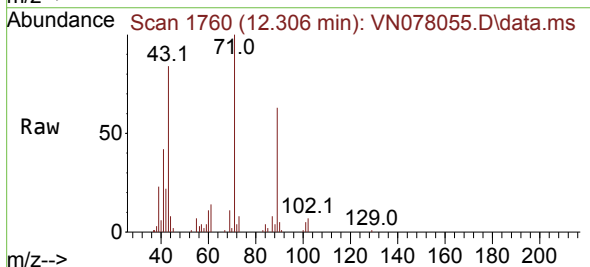
Ion Ratio Lower Upper

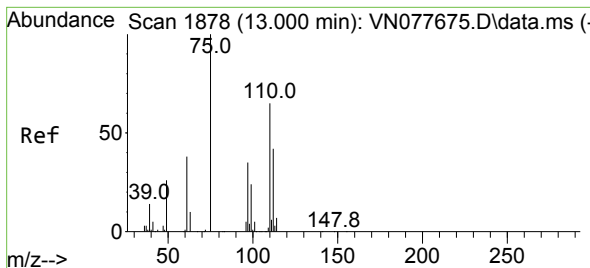
43 100

70 2.7 43.4 65.2#

55 4.9 21.4 32.0#

61 11.5 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 29.846 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078055.D

Acq: 05 Jun 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

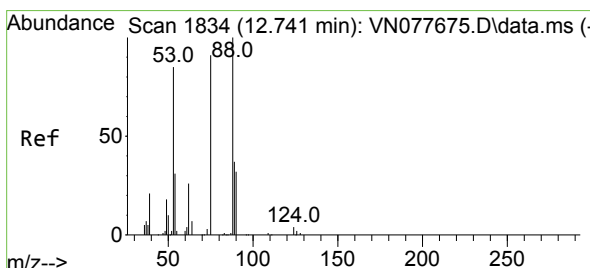
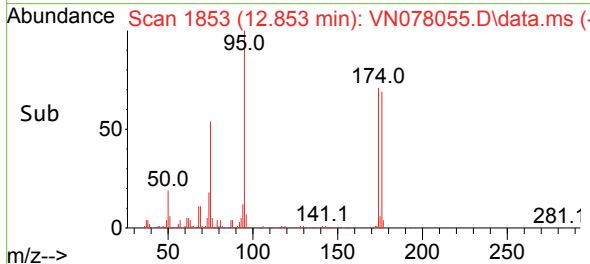
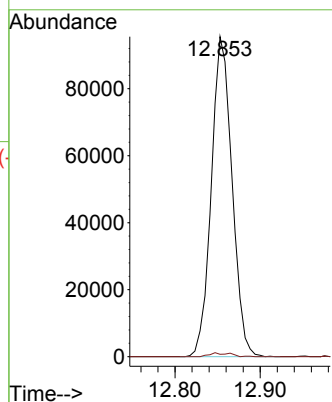
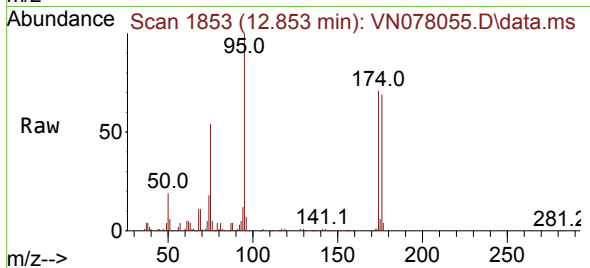
72-11991

Tgt Ion: 75 Resp: 161253

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.404 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078055.D

Acq: 05 Jun 2023 19:33

Tgt Ion: 75 Resp: 161253

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#

