

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078054.D
 Acq On : 05 Jun 2023 19:09
 Operator : JC\MD
 Sample : 03018-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 343

Quant Time: Jun 06 02:06:29 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)

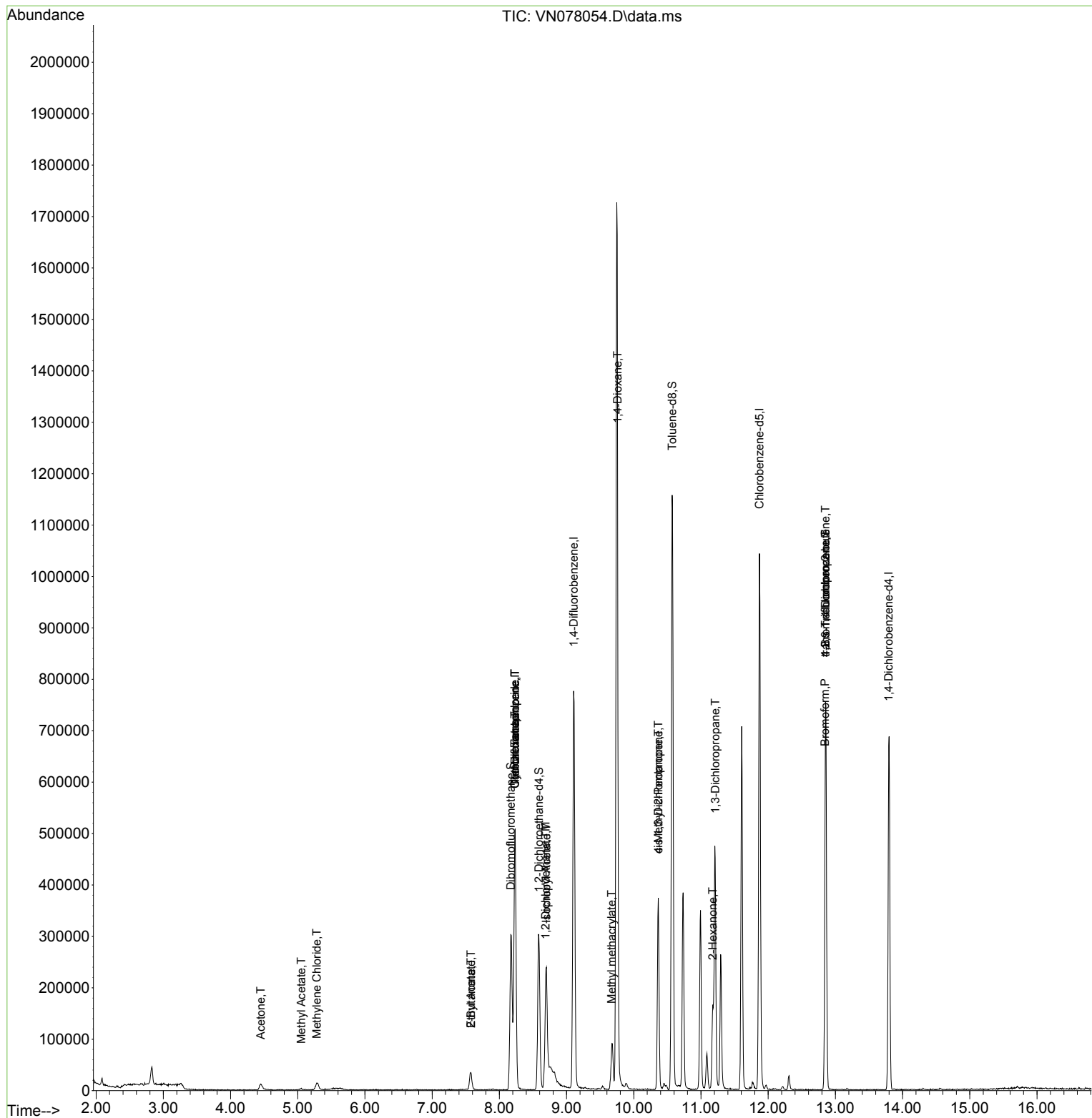
Internal Standards						
1) Pentafluorobenzene	8.235	168	365177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	693585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	620955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	249134	45.596	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.200%		
35) Dibromofluoromethane	8.171	113	219716	48.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.160%		
50) Toluene-d8	10.571	98	858730	49.328	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.853	95	271293	44.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	650	Below Cal	#	42
13) Acrolein	4.212	56	121	Below Cal	#	16
16) Acetone	4.447	43	18935	11.015	ug/l	92
18) Methyl Acetate	5.053	43	5555	0.770	ug/l #	87
20) Methylene Chloride	5.283	84	11277	0.567	ug/l #	92
25) 2-Butanone	7.577	43	54095	20.116	ug/l #	37
31) Cyclohexane	8.230	56	8995	1.211	ug/l #	30
36) 1,1-Dichloropropene	8.235	75	30797	4.655	ug/l #	48
37) Ethyl Acetate	7.577	43	54095	9.174	ug/l	96
38) Carbon Tetrachloride	8.230	117	40037	5.994	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	2031	0.286	ug/l #	73
43) Isopropyl Acetate	8.700	43	294312	30.559	ug/l #	78
48) Methyl methacrylate	9.671	41	6063	1.328	ug/l #	34
49) 1,4-Dioxane	9.759	88	68	0.788	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	129574	22.634	ug/l #	41
54) cis-1,3-Dichloropropene	10.365	75	71165	8.940	ug/l #	68
57) 1,3-Dichloropropane	11.212	76	4991	0.603	ug/l #	42
59) 2-Hexanone	11.176	43	184262	43.516	ug/l #	19
71) Bromoform	12.847	173	678	0.219	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	145378	29.946	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	145378	95.721	ug/l #	15

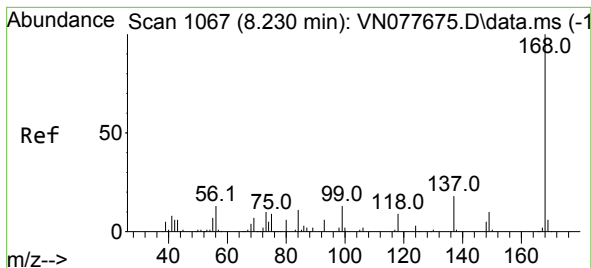
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

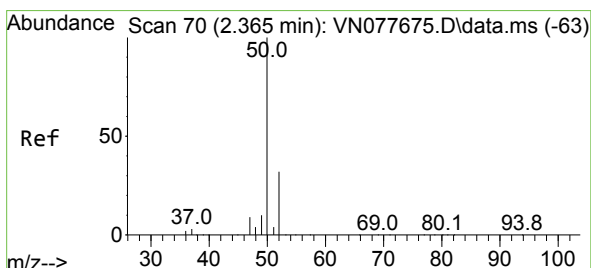
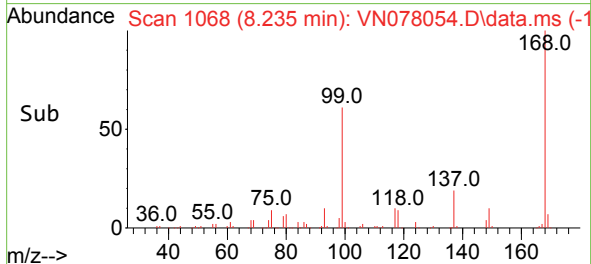
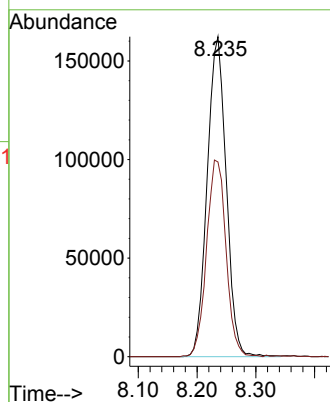
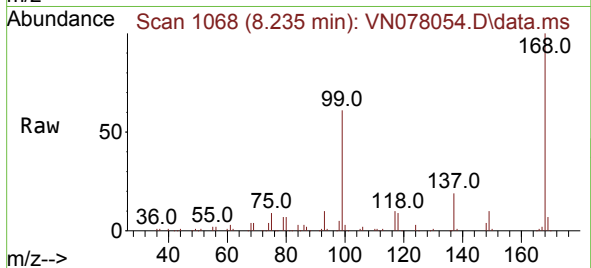




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

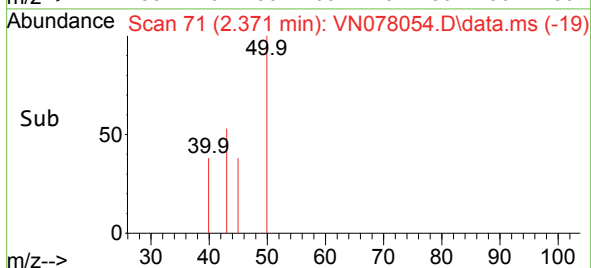
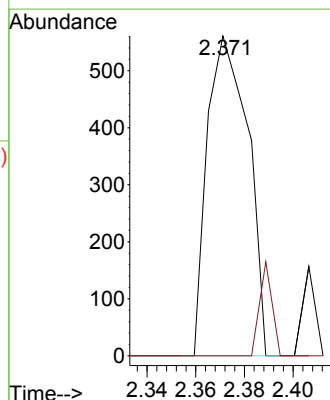
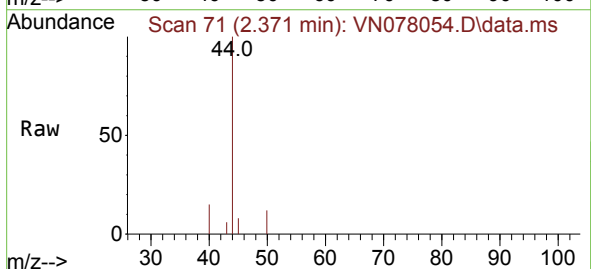
Instrument :
MSVOA_N
ClientSampleId :
343

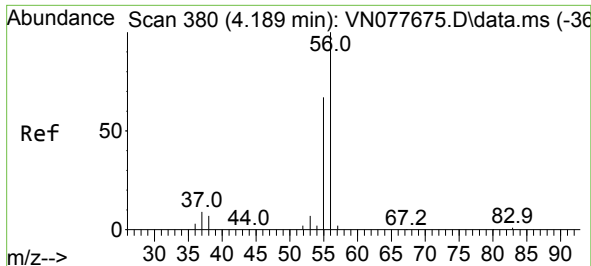
Tgt Ion:168 Resp: 365177
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

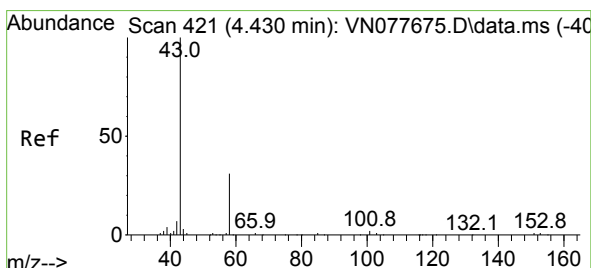
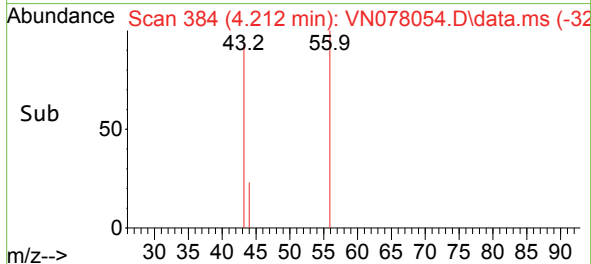
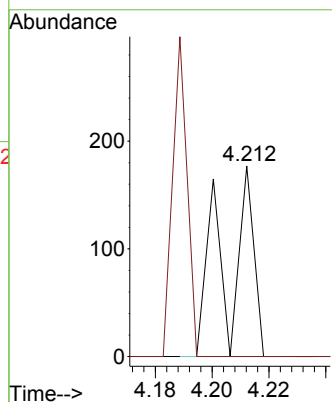
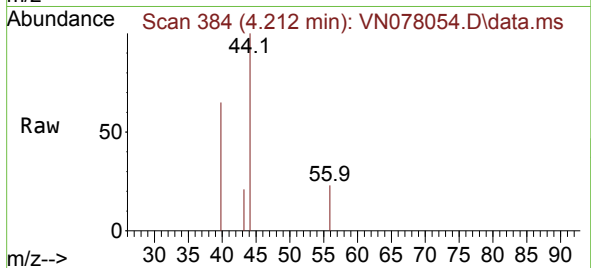




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 343
Delta R.T. 0.023 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

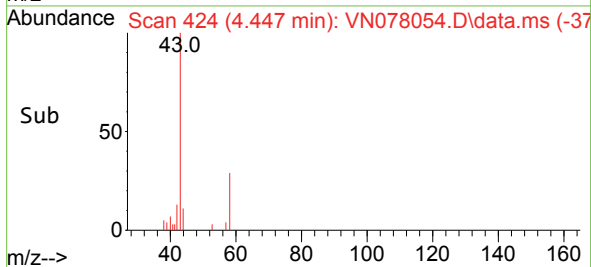
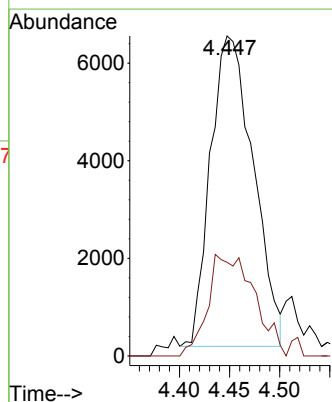
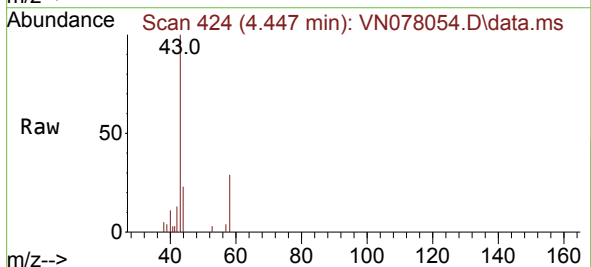
Instrument :
MSVOA_N
ClientSampleId :
343

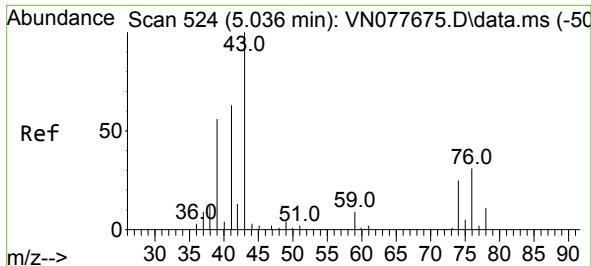
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 11.015 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 43 Resp: 18935
Ion Ratio Lower Upper
43 100
58 30.1 28.0 42.0

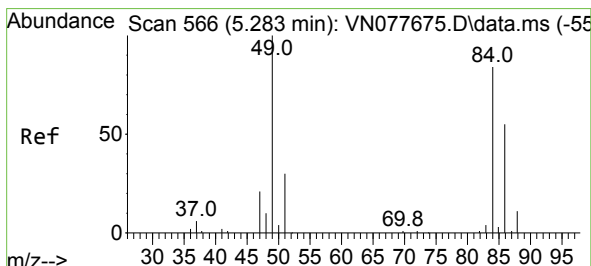
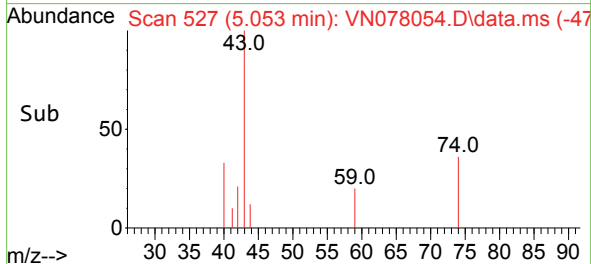
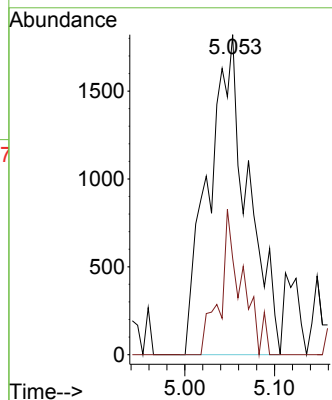
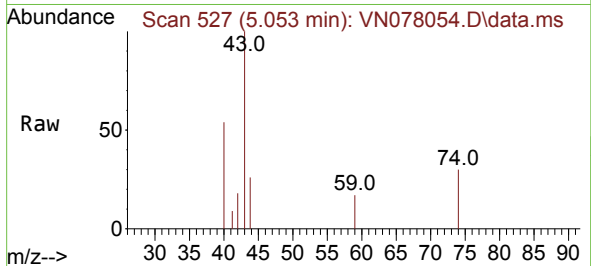




#18
Methyl Acetate
Concen: 0.770 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

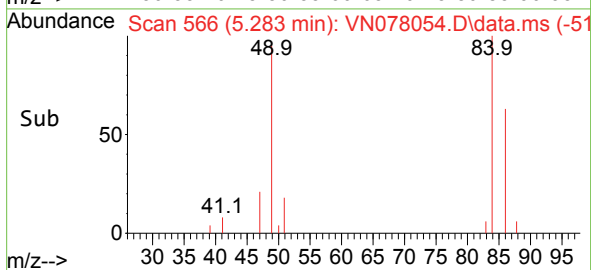
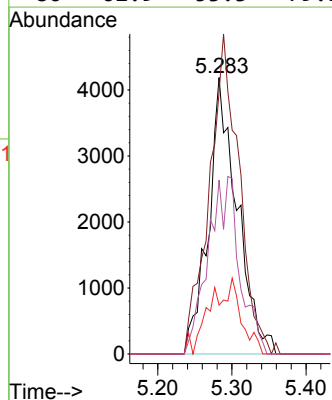
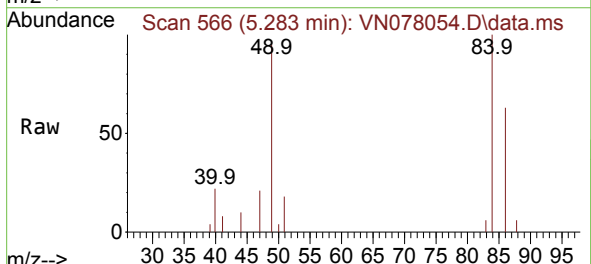
Instrument :
MSVOA_N
ClientSampleId :
343

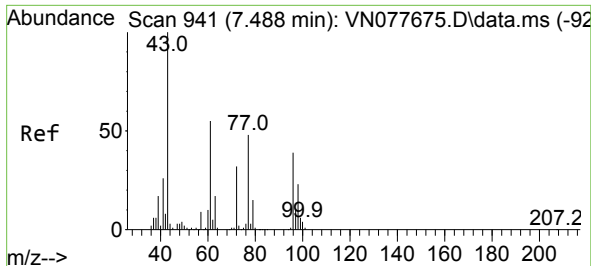
Tgt Ion: 43 Resp: 5555
Ion Ratio Lower Upper
43 100
74 25.4 26.2 39.4#



#20
Methylene Chloride
Concen: 0.567 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 84 Resp: 11277
Ion Ratio Lower Upper
84 100
49 94.7 79.7 119.5
51 17.7 25.2 37.8#
86 62.9 53.3 79.9

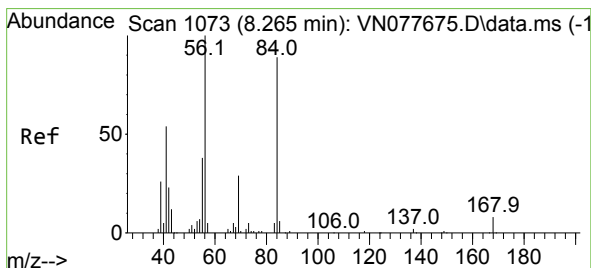
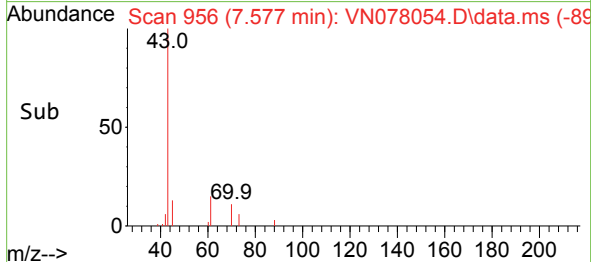
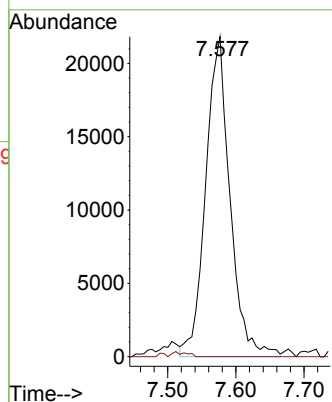
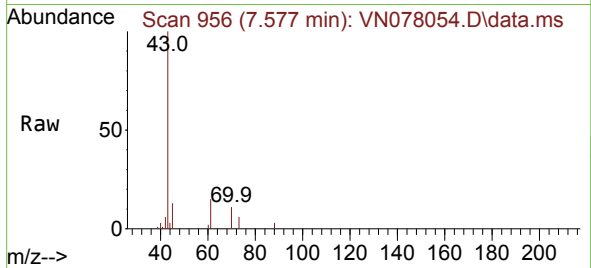




#25
2-Butanone
Concen: 20.116 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.089 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

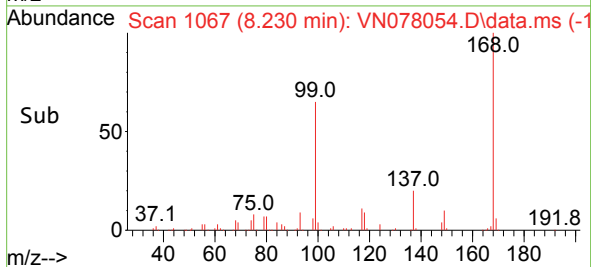
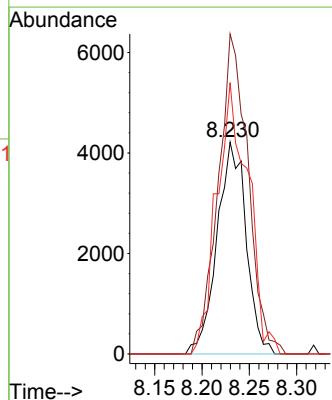
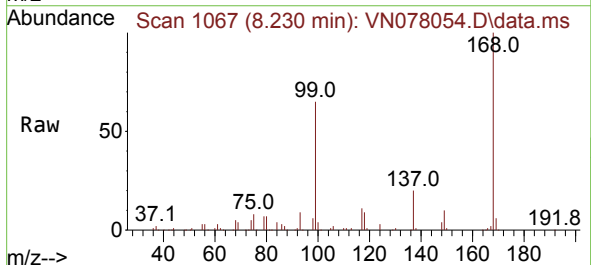
Instrument :
MSVOA_N
ClientSampleId :
343

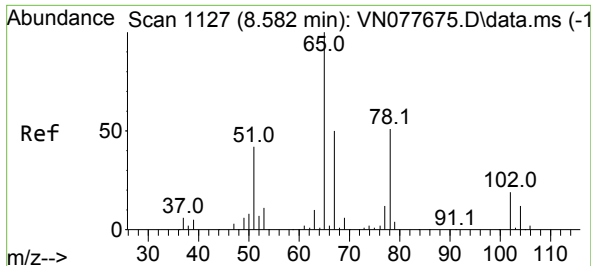
Tgt Ion: 43 Resp: 54095
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 56 Resp: 8995
Ion Ratio Lower Upper
56 100
69 151.0 26.8 40.2#
84 128.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.596 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

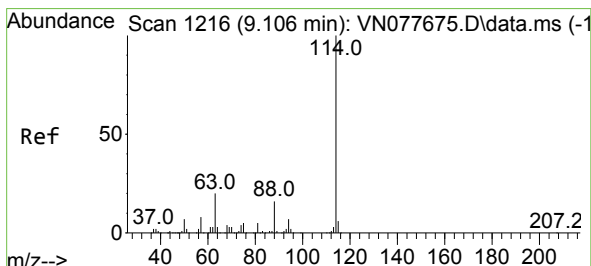
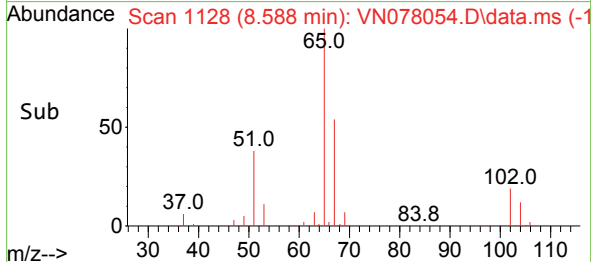
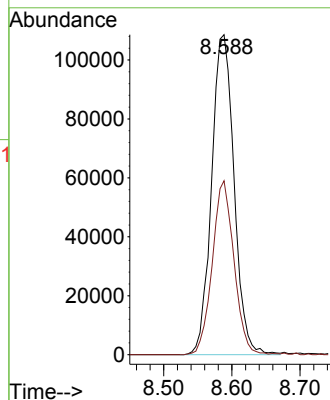
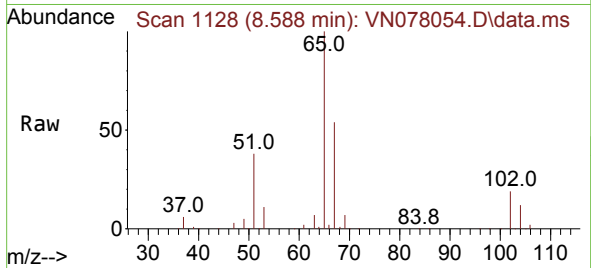
343

Tgt Ion: 65 Resp: 249134

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

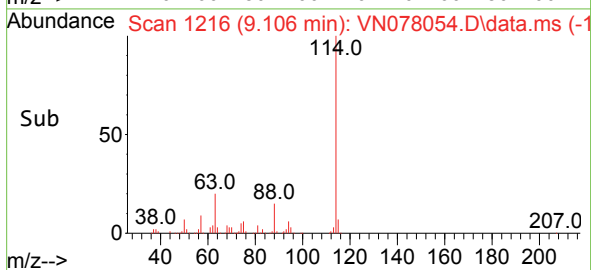
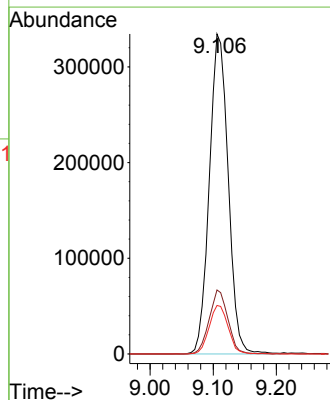
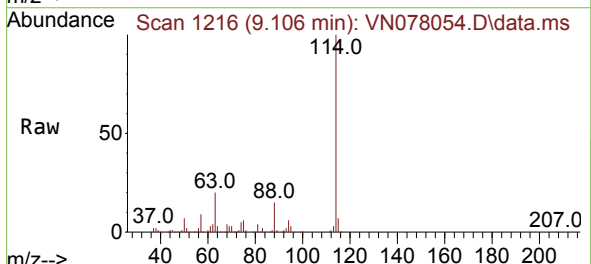
Tgt Ion: 114 Resp: 693585

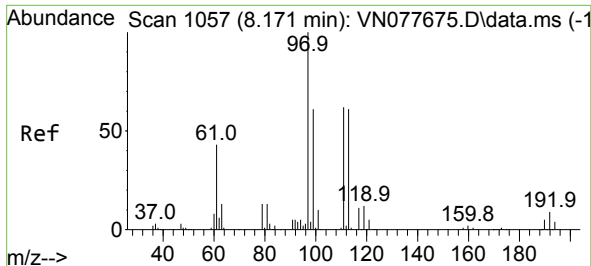
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

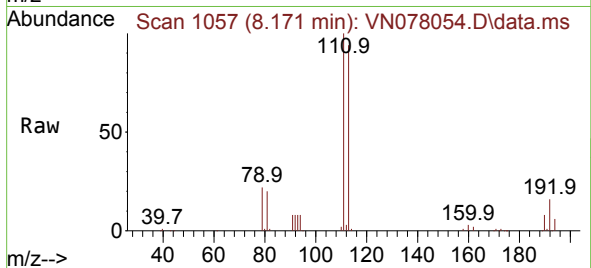
88 15.2 0.0 30.6



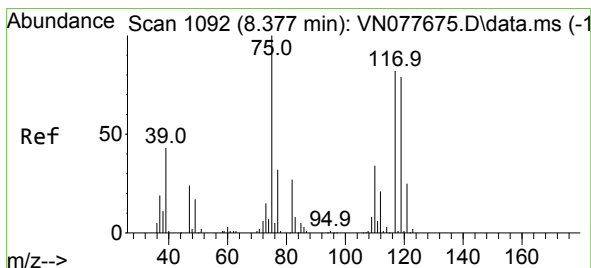
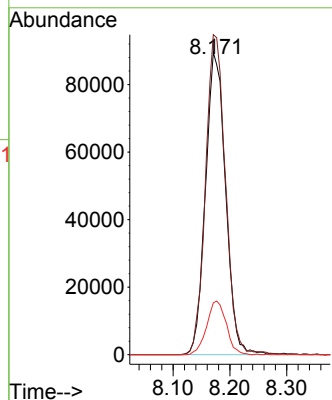
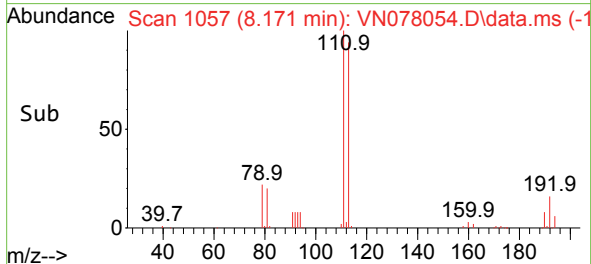


#35
Dibromofluoromethane
Concen: 48.580 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Instrument :
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343

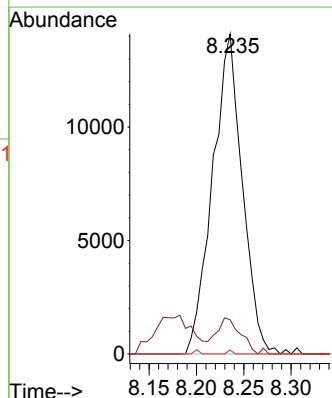
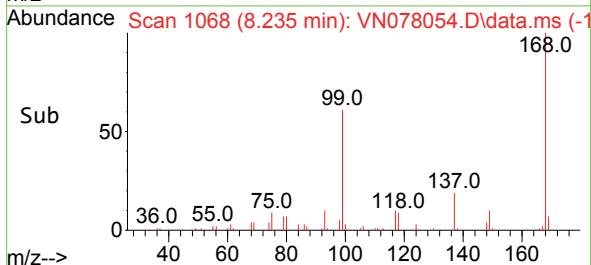
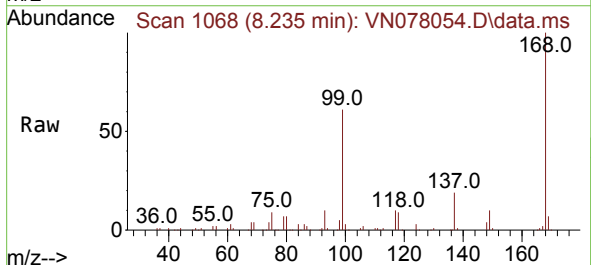


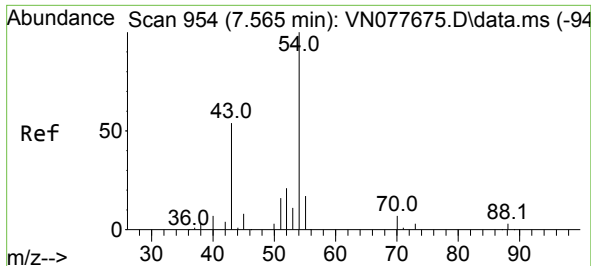
Tgt Ion:113 Resp: 219716
Ion Ratio Lower Upper
113 100
111 105.1 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.655 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 75 Resp: 30797
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.2 25.0 37.4#





#37

Ethyl Acetate

Concen: 9.174 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

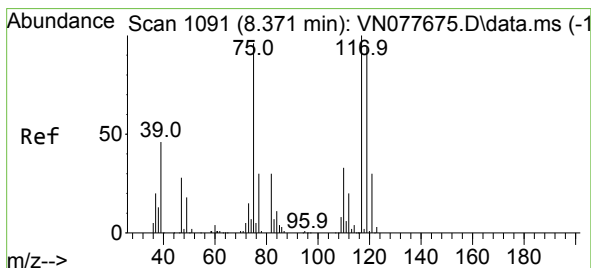
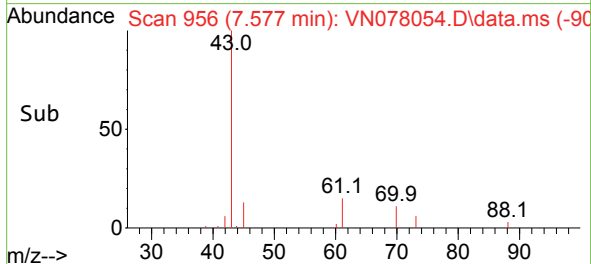
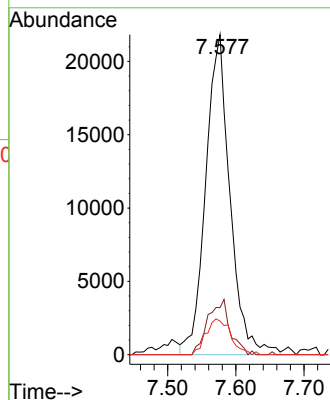
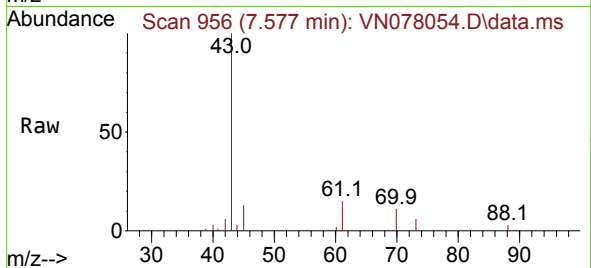
Instrument :

MSVOA_N

ClientSampleId :

343

Tgt Ion:	43	Resp:	54095
Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.2	19.8
70	11.4	11.3	16.9



#38

Carbon Tetrachloride

Concen: 5.994 ug/l

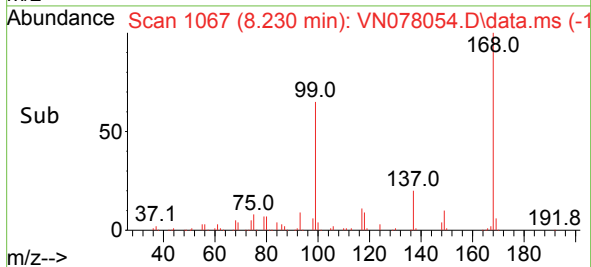
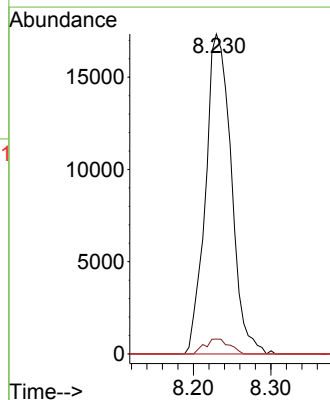
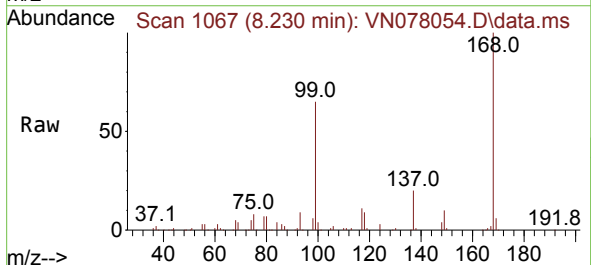
RT: 8.230 min Scan# 1067

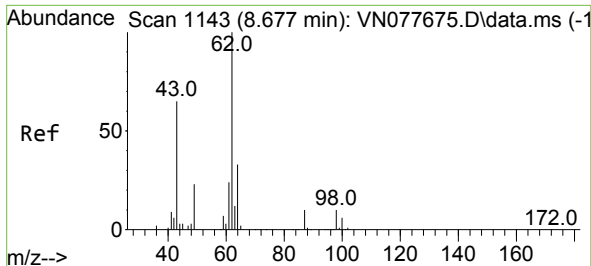
Delta R.T. -0.141 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

Tgt Ion:	117	Resp:	40037
Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.286 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

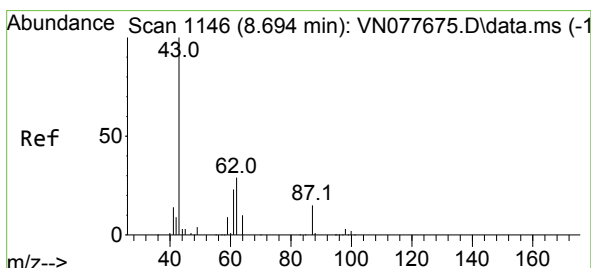
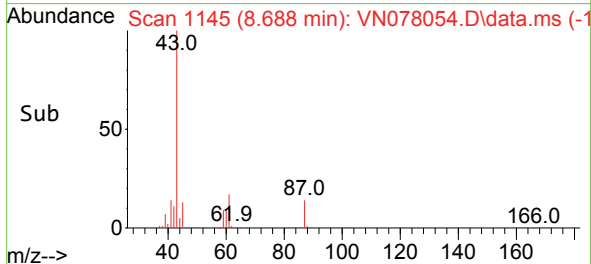
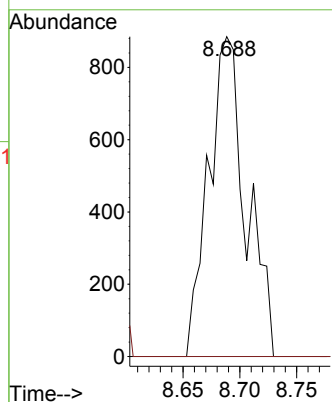
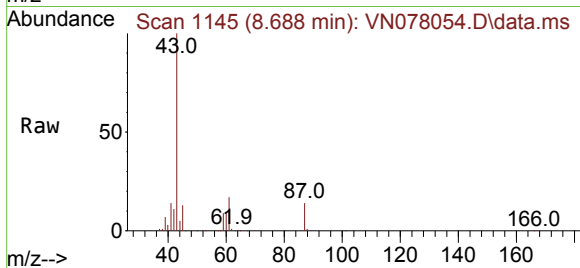
343

Tgt Ion: 62 Resp: 2031

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 30.559 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

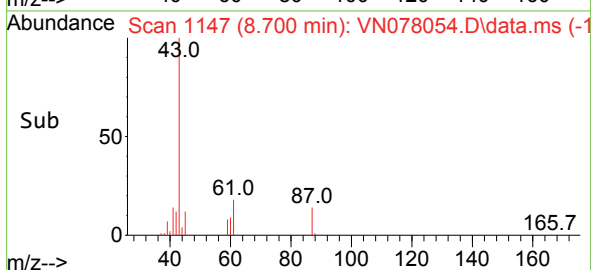
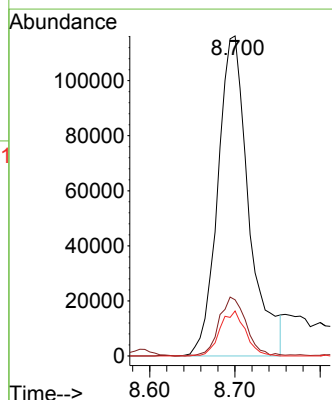
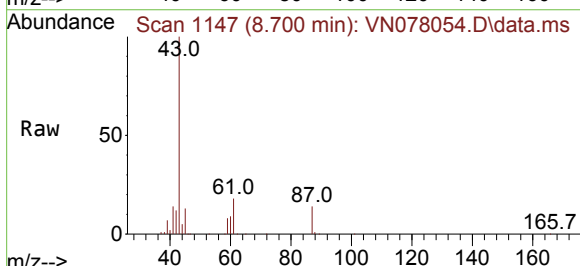
Tgt Ion: 43 Resp: 294312

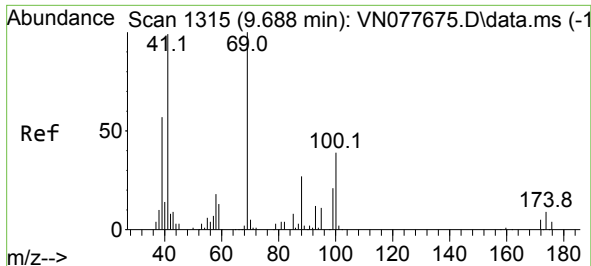
Ion Ratio Lower Upper

43 100

61 16.2 24.7 37.1#

87 11.6 14.6 21.8#

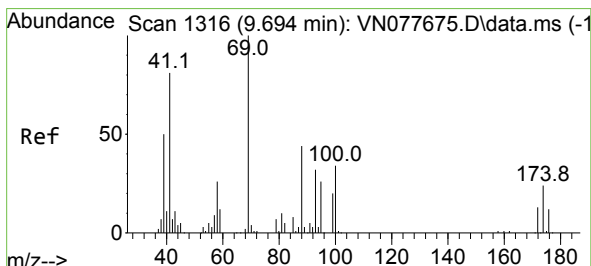
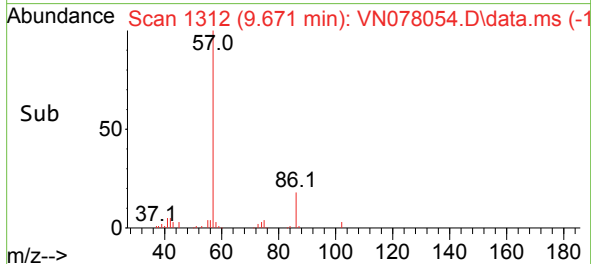
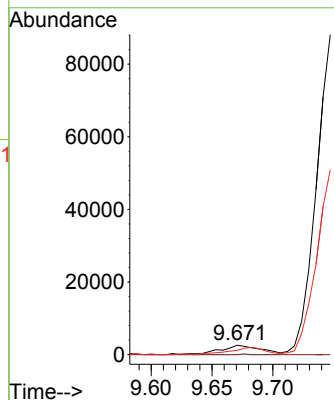
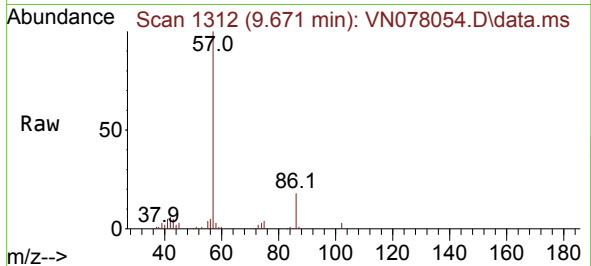




#48
Methyl methacrylate
Concen: 1.328 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

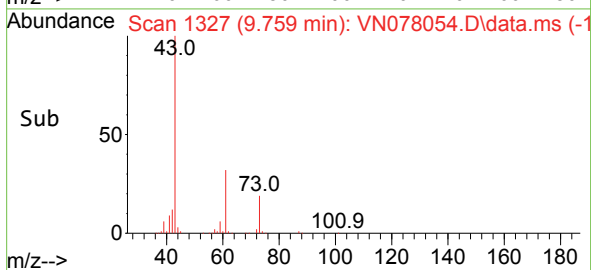
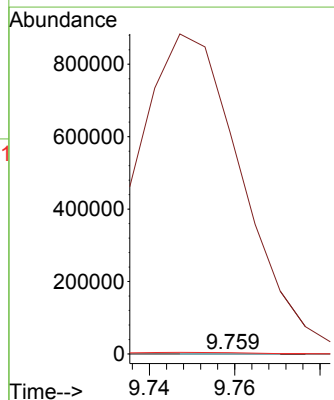
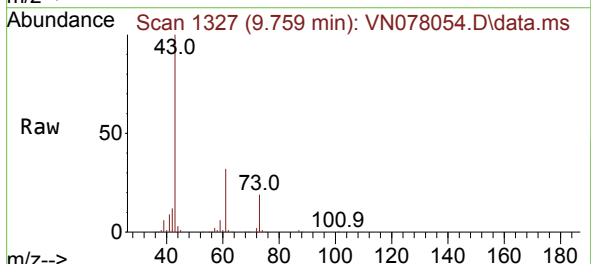
Instrument :
MSVOA_N
ClientSampleId :
343

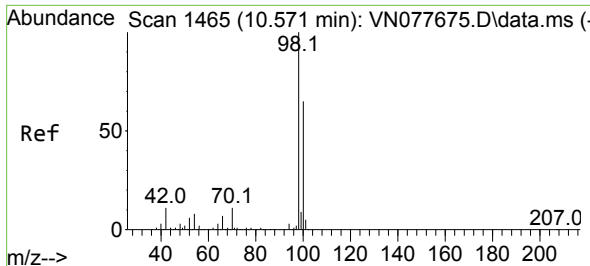
Tgt Ion: 41 Resp: 6063
Ion Ratio Lower Upper
41 100
69 1.2 90.4 135.6#
39 66.6 54.6 81.8



#49
1,4-Dioxane
Concen: 0.788 ug/l
RT: 9.759 min Scan# 1327
Delta R.T. 0.065 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 2378557.4 17.0 25.6#
58 13833.8 47.0 70.4#

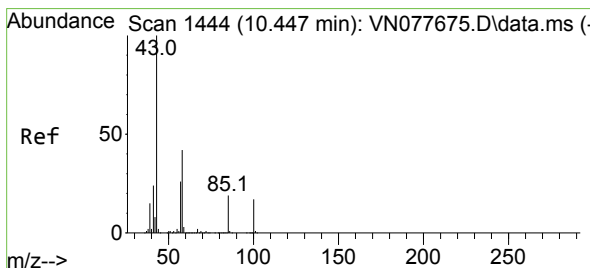
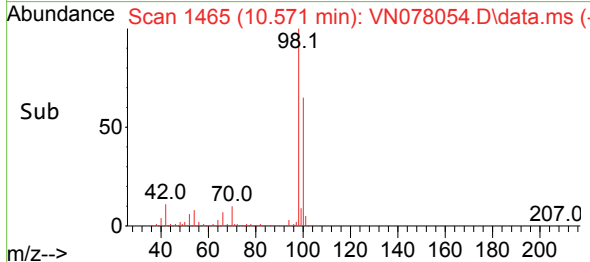
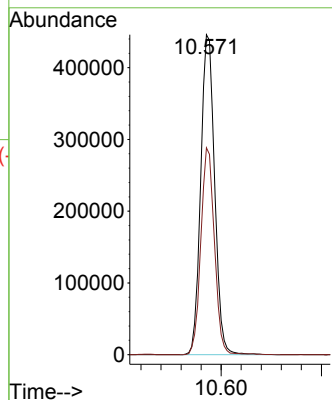
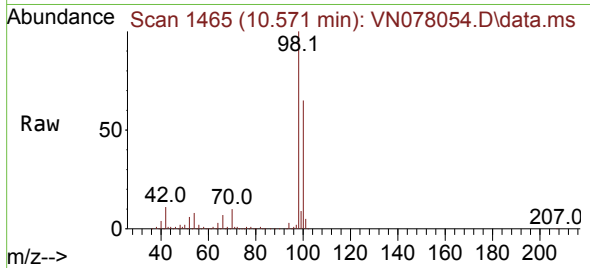




#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

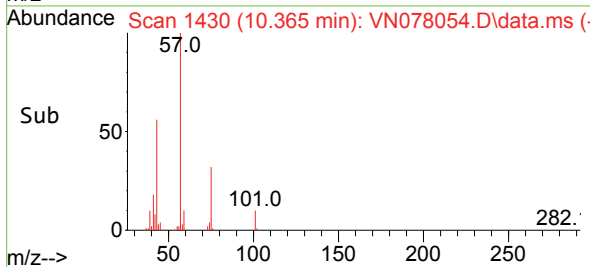
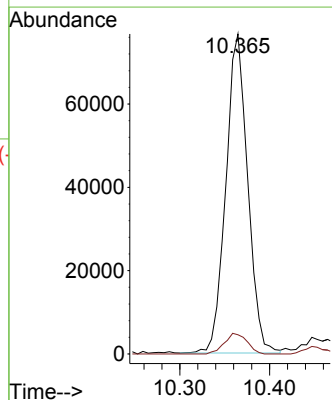
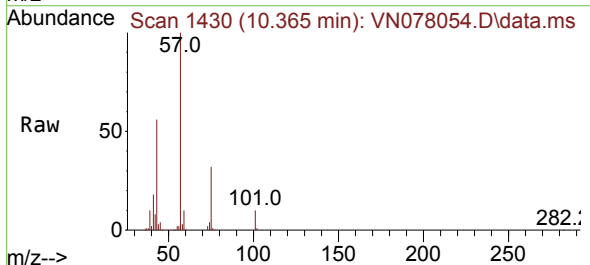
Instrument :
MSVOA_N
ClientSampleId :
343

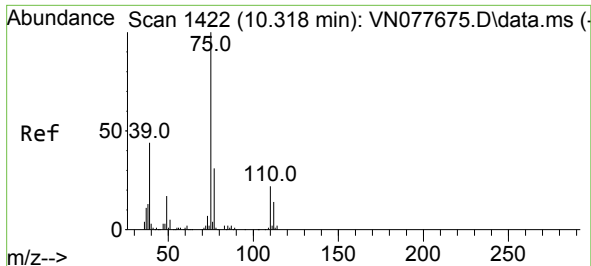
Tgt Ion: 98 Resp: 858730
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 22.634 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 43 Resp: 129574
Ion Ratio Lower Upper
43 100
58 6.7 36.6 54.8#

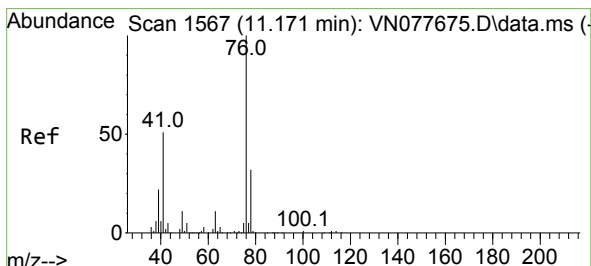
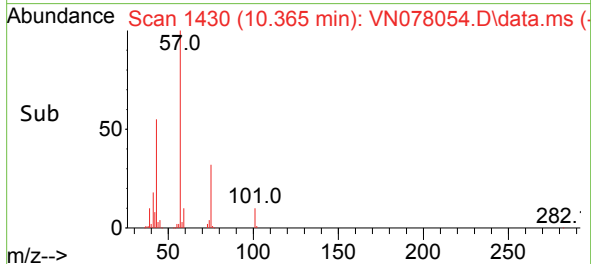
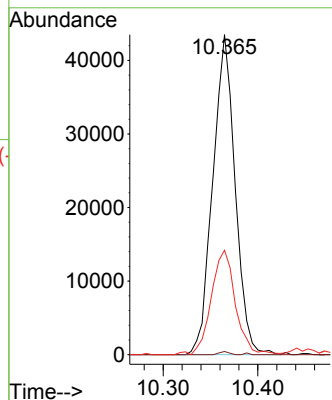
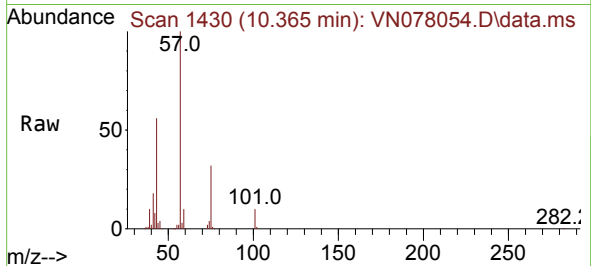




#54
cis-1,3-Dichloropropene
Concen: 8.940 ug/l
RT: 10.365 min Scan# 1422
Delta R.T. 0.047 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

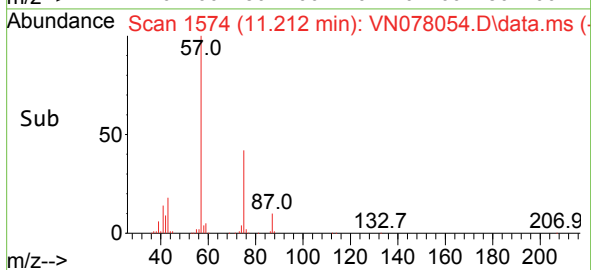
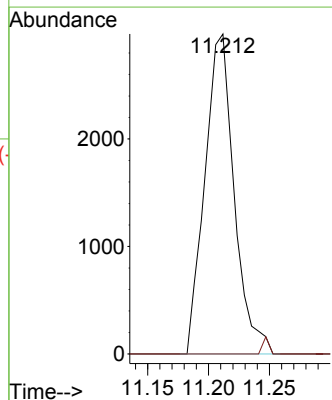
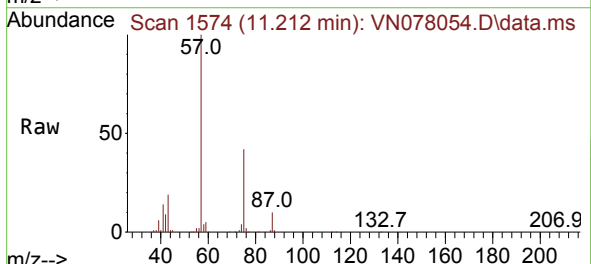
Instrument :
MSVOA_N
ClientSampleId :
343

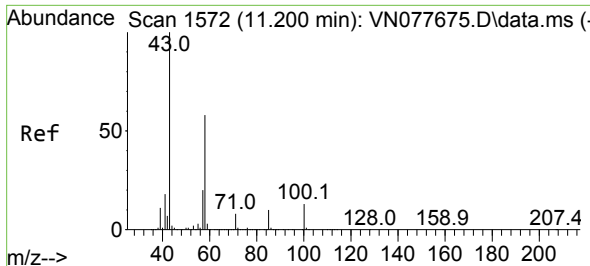
Tgt Ion: 75 Resp: 71165
Ion Ratio Lower Upper
75 100
77 1.0 26.1 39.1#
39 32.2 31.6 47.4



#57
1,3-Dichloropropane
Concen: 0.603 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 76 Resp: 4991
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

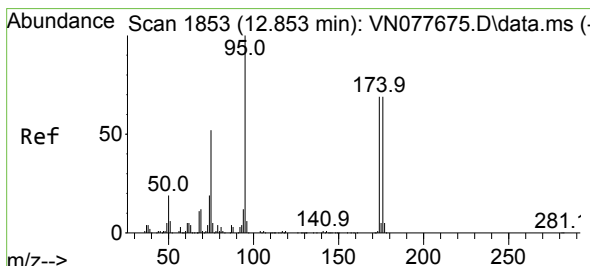
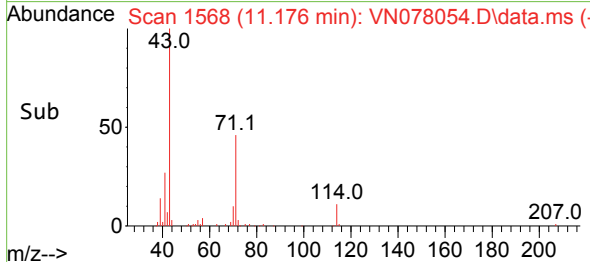
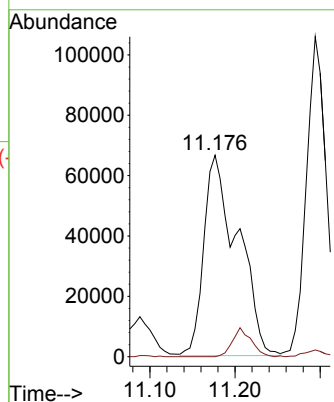
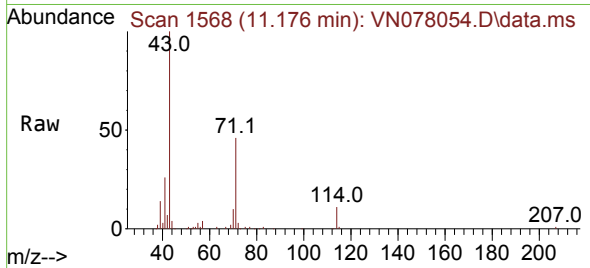




#59
2-Hexanone
Concen: 43.516 ug/l
RT: 11.176 min Scan# 1117
Delta R.T. -0.024 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

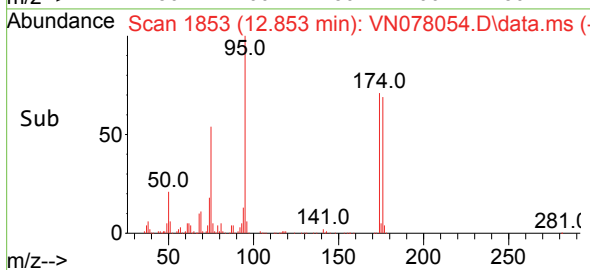
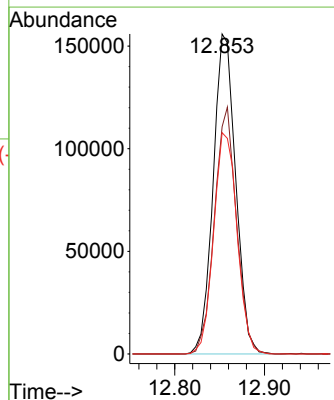
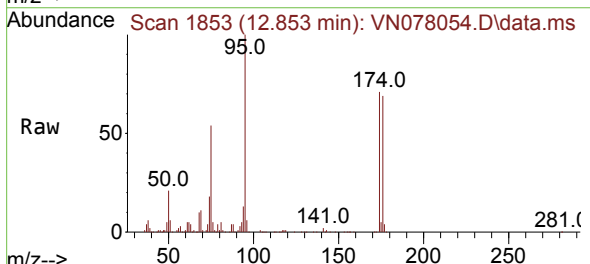
Instrument :
MSVOA_N
ClientSampleId :
343

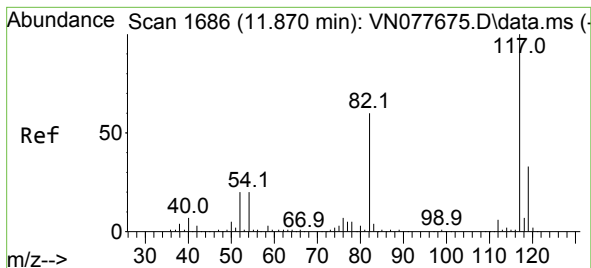
Tgt Ion: 43 Resp: 184262
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 44.125 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078054.D
Acq: 05 Jun 2023 19:09

Tgt Ion: 95 Resp: 271293
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 71.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

343

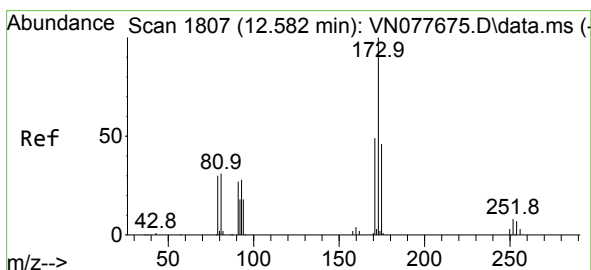
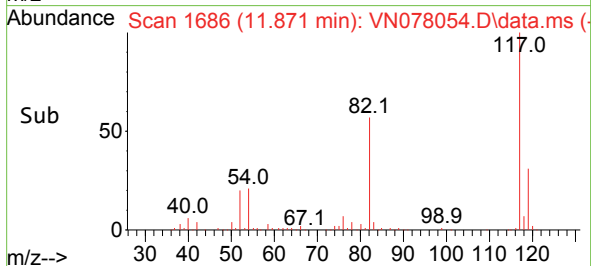
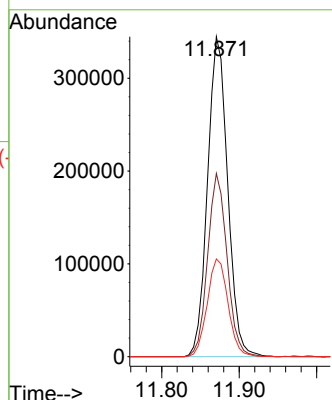
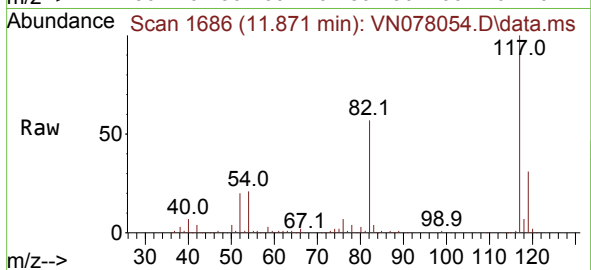
Tgt Ion:117 Resp: 620955

Ion Ratio Lower Upper

117 100

82 57.3 44.0 66.0

119 30.6 25.6 38.4



#71

Bromoform

Concen: 0.219 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

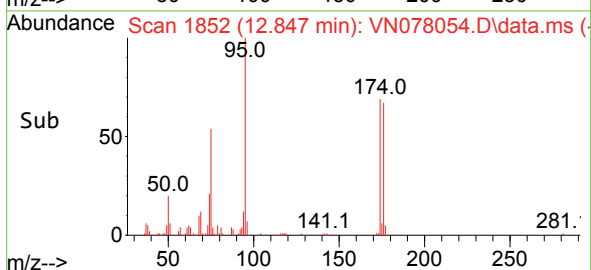
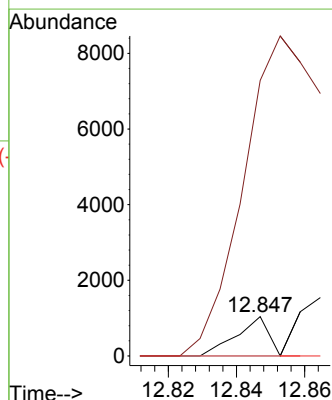
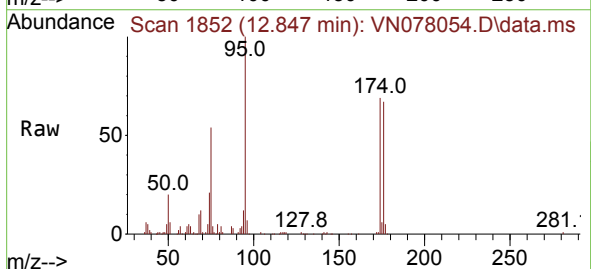
Tgt Ion:173 Resp: 678

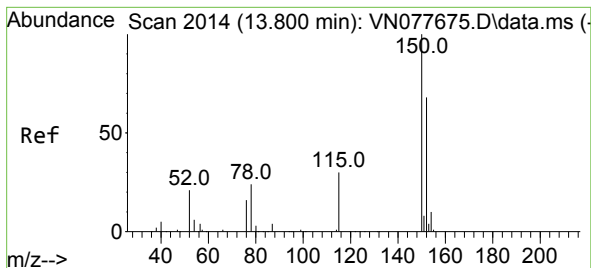
Ion Ratio Lower Upper

173 100

175 1548.4 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# 20

Delta R.T. -0.006 min

Lab File: VN078054.D

Acq: 05 Jun 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

343

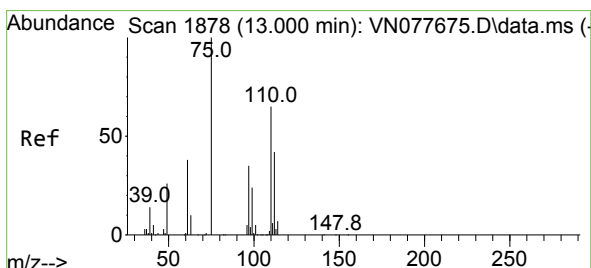
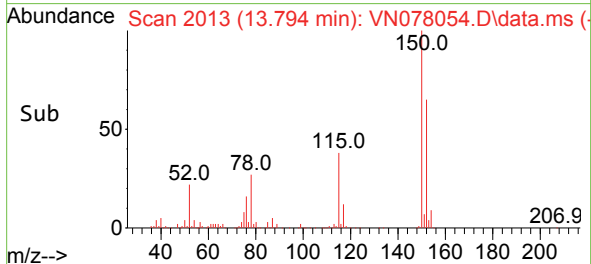
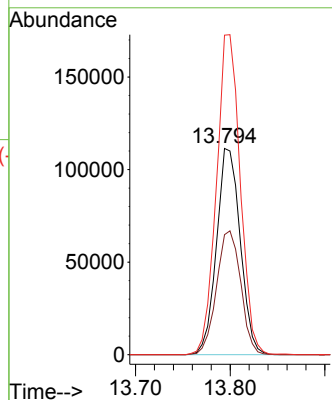
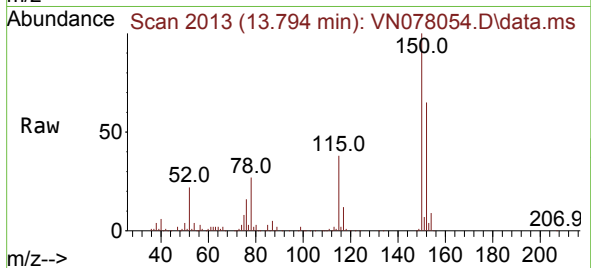
Tgt Ion:152 Resp: 193852

Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 155.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 29.946 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078054.D

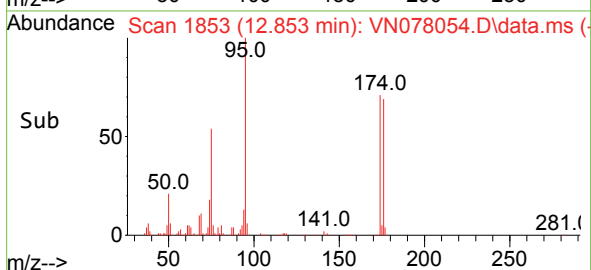
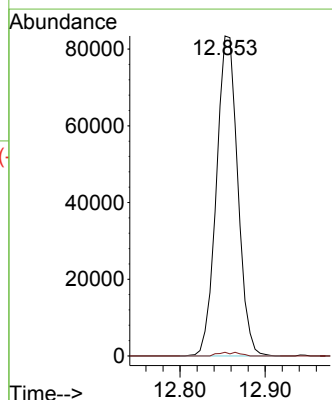
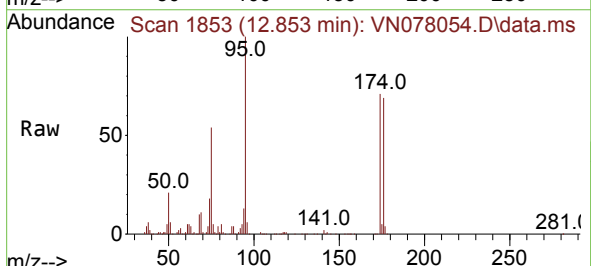
Acq: 05 Jun 2023 19:09

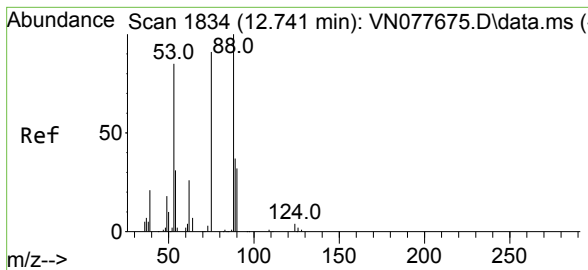
Tgt Ion: 75 Resp: 145378

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.721 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078054.D
 Acq: 05 Jun 2023 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 343

Tgt Ion: 75 Resp: 145378
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

