

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078053.D
 Acq On : 05 Jun 2023 18:45
 Operator : JC\MD
 Sample : 03018-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 348

Quant Time: Jun 06 02:06:04 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

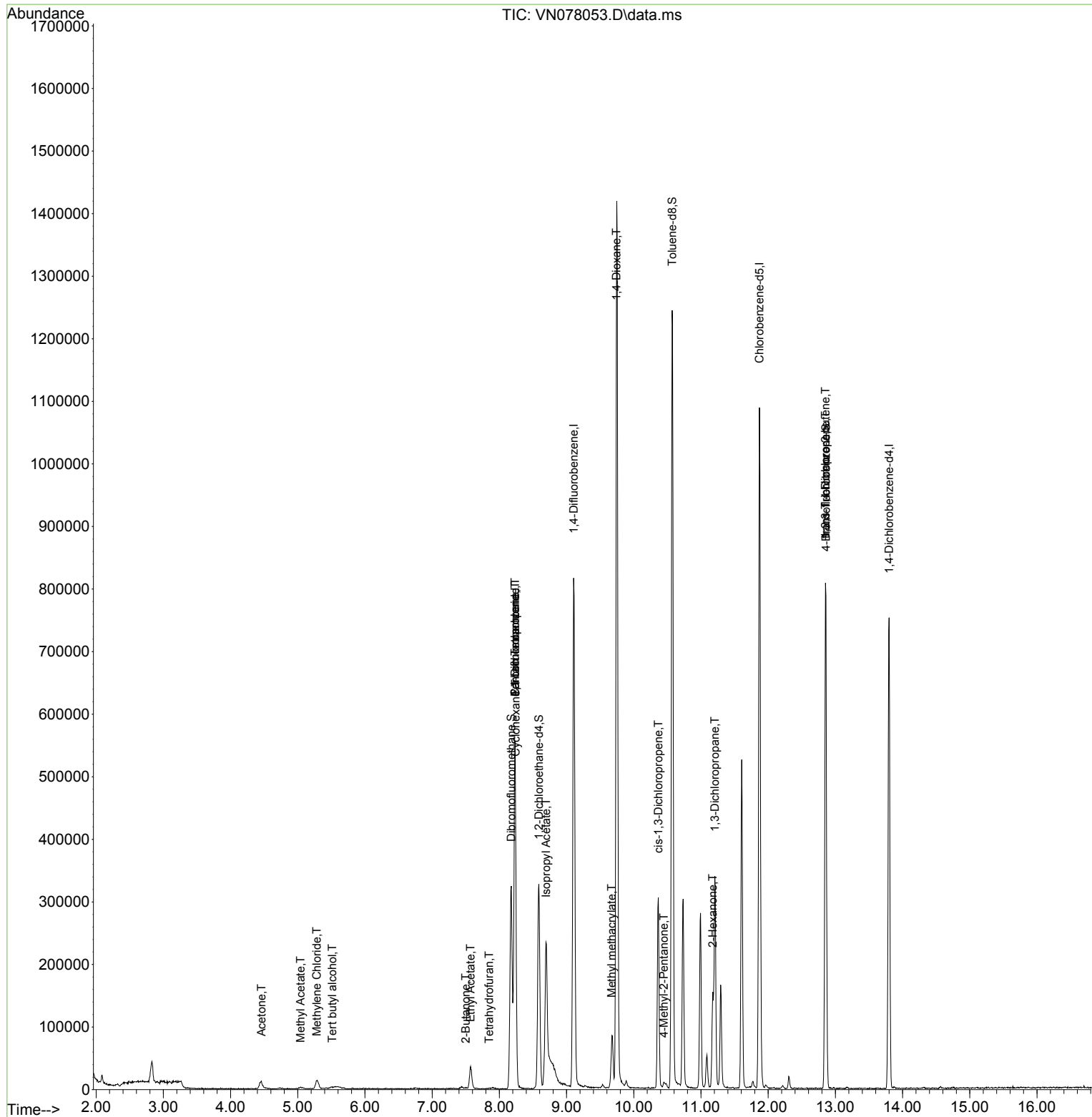
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	391345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	730837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	647064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	207291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	268722	45.892	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.780%
35) Dibromofluoromethane	8.177	113	235764	49.471	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.940%
50) Toluene-d8	10.571	98	903796	49.270	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.540%
62) 4-Bromofluorobenzene	12.859	95	291923	45.060	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1212	Below Cal	#	23
11) Tert butyl alcohol	5.512	59	738	0.913	ug/l #	72
13) Acrolein	4.200	56	61	Below Cal	#	16
16) Acetone	4.459	43	24069	13.065	ug/l #	85
18) Methyl Acetate	5.041	43	5484	0.710	ug/l #	63
20) Methylene Chloride	5.283	84	11448	0.429	ug/l #	92
25) 2-Butanone	7.500	43	1691	0.587	ug/l #	65
29) Tetrahydrofuran	7.847	42	433	0.229	ug/l #	28
31) Cyclohexane	8.241	56	9206	1.157	ug/l #	42
36) 1,1-Dichloropropene	8.235	75	34701	4.978	ug/l #	48
37) Ethyl Acetate	7.571	43	50724	8.164	ug/l #	95
38) Carbon Tetrachloride	8.235	117	42868	6.090	ug/l #	16
43) Isopropyl Acetate	8.694	43	308128	30.363	ug/l #	75
48) Methyl methacrylate	9.671	41	4752	0.988	ug/l #	34
49) 1,4-Dioxane	9.741	88	71	0.781	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6354	1.053	ug/l	87
54) cis-1,3-Dichloropropene	10.365	75	58465	6.970	ug/l #	68
57) 1,3-Dichloropropane	11.206	76	3876	0.445	ug/l #	42
59) 2-Hexanone	11.176	43	155016	34.743	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	157428	30.325	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157428	96.935	ug/l #	15

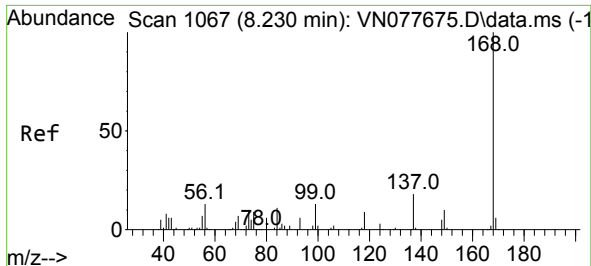
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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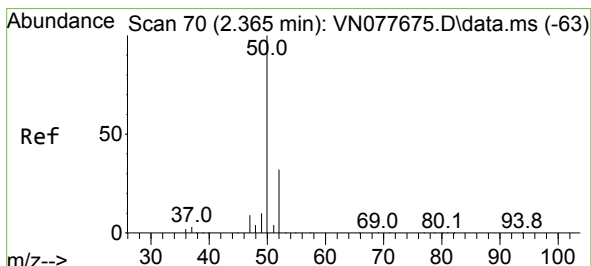
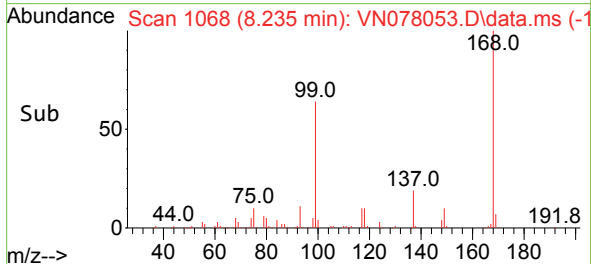
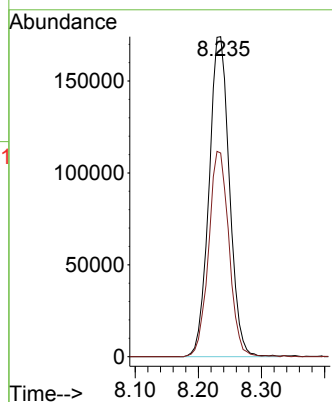
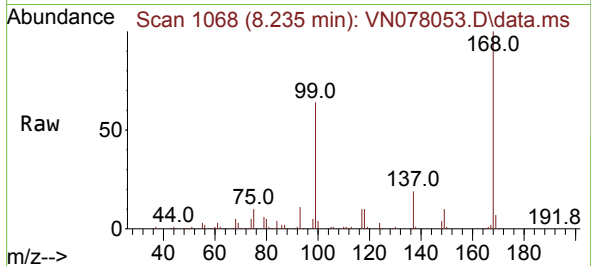




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

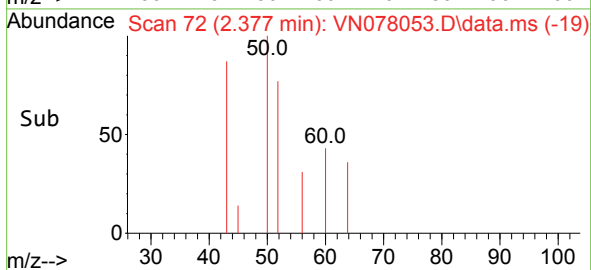
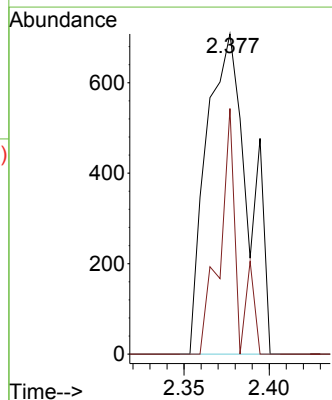
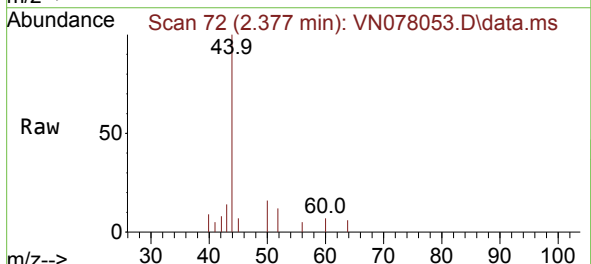
Instrument :
MSVOA_N
ClientSampleId :
348

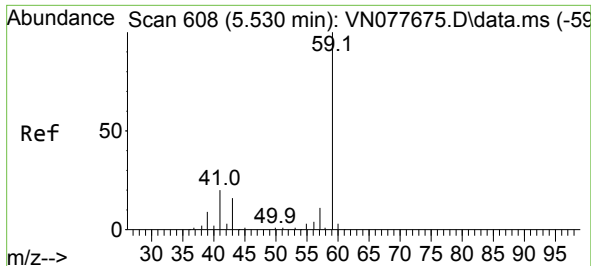
Tgt Ion:168 Resp: 391345
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 50 Resp: 1212
Ion Ratio Lower Upper
50 100
52 76.7 26.5 39.7#

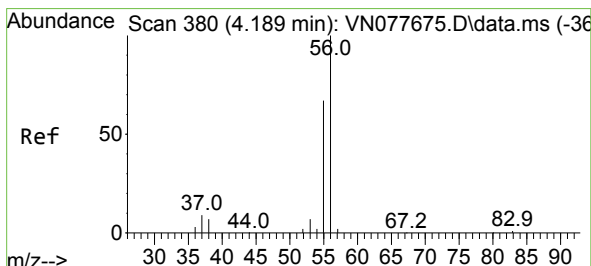
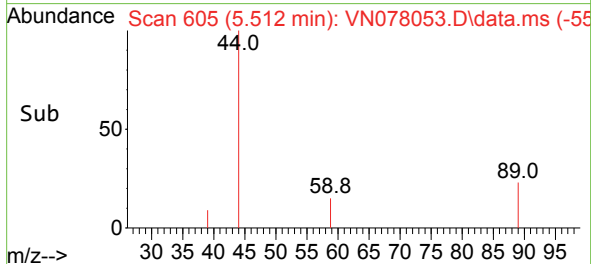
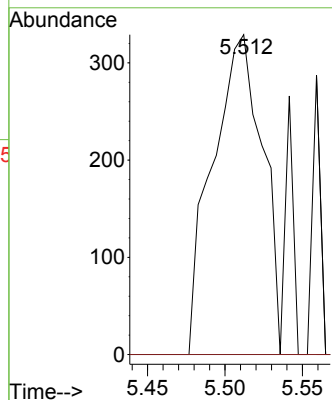
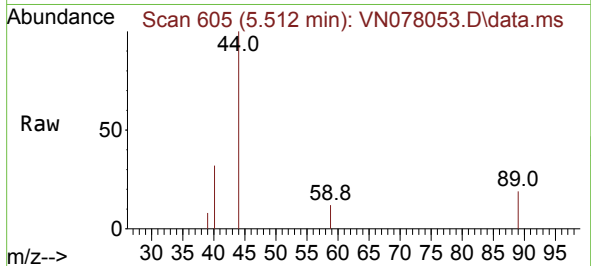




#11
Tert butyl alcohol
Concen: 0.913 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

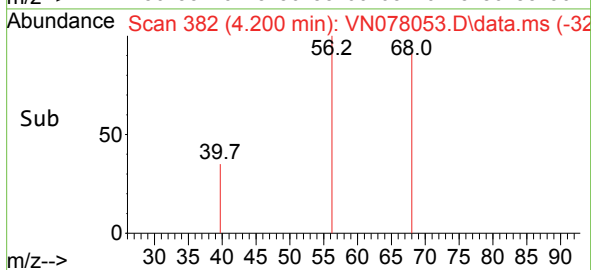
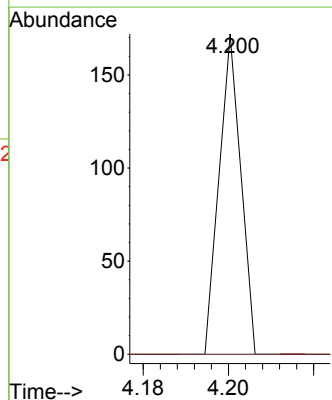
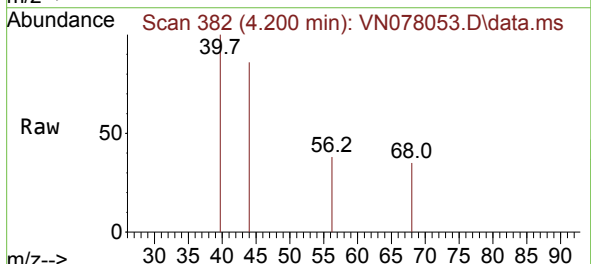
Instrument :
MSVOA_N
ClientSampleId :
348

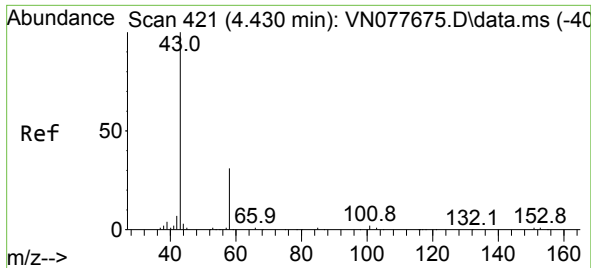
Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

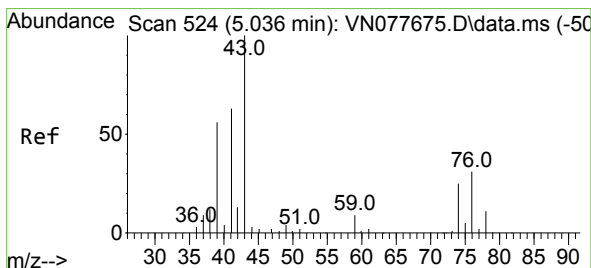
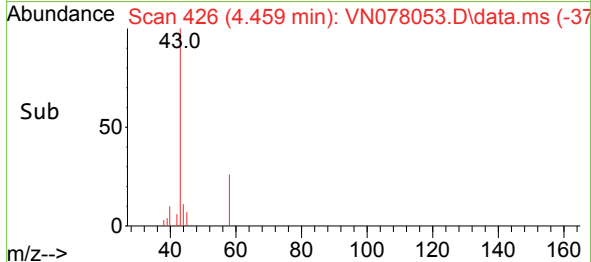
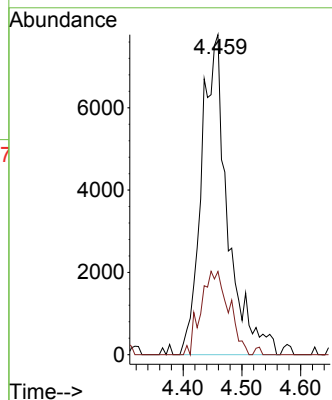
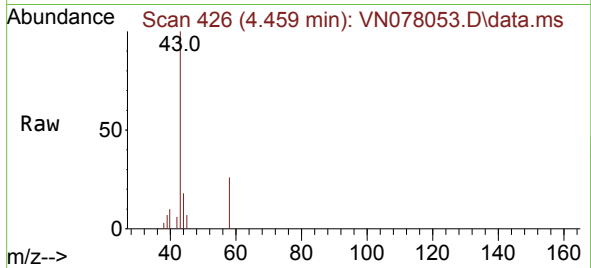




#16
Acetone
Concen: 13.065 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

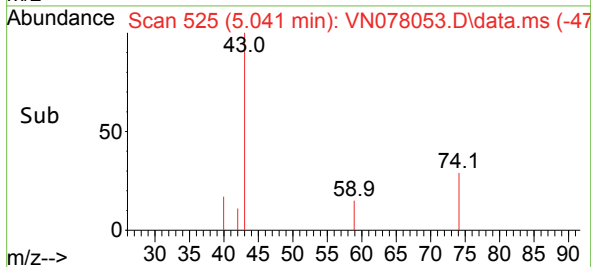
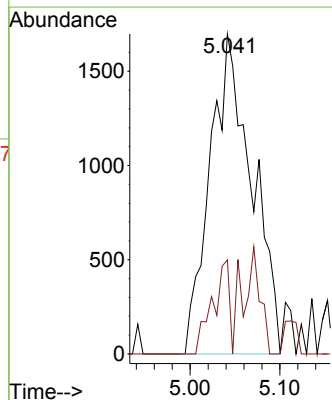
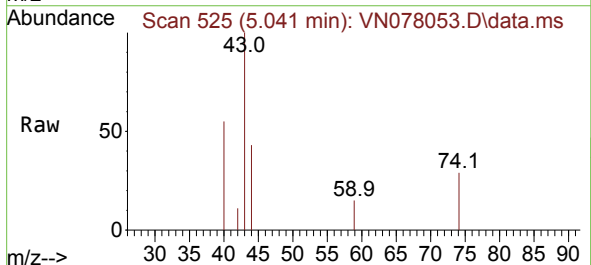
Instrument :
MSVOA_N
ClientSampleId :
348

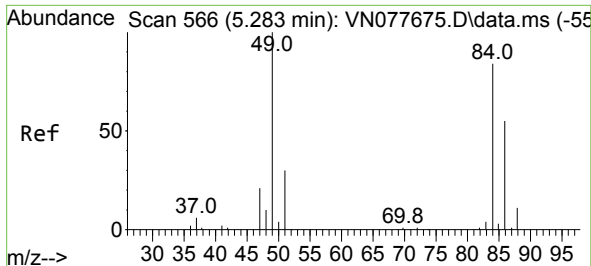
Tgt Ion: 43 Resp: 24069
Ion Ratio Lower Upper
43 100
58 26.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.710 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.005 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 43 Resp: 5484
Ion Ratio Lower Upper
43 100
74 11.7 26.2 39.4#

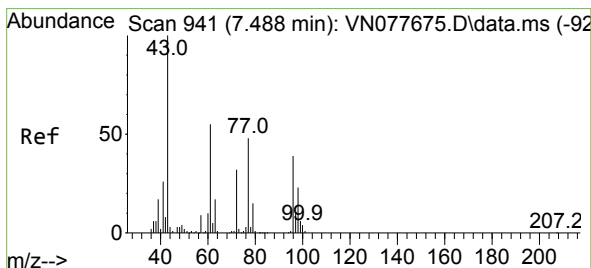
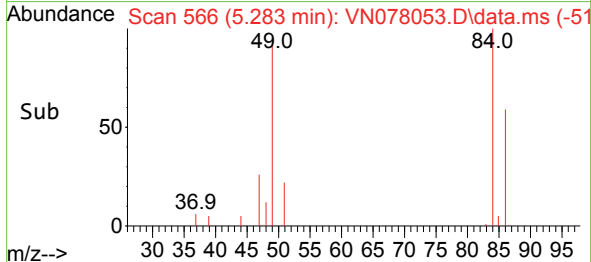
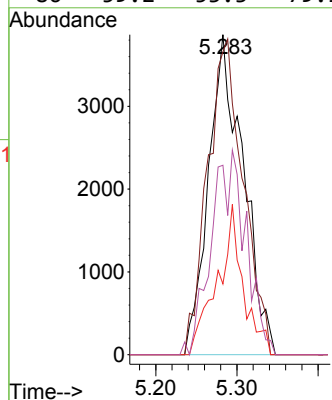
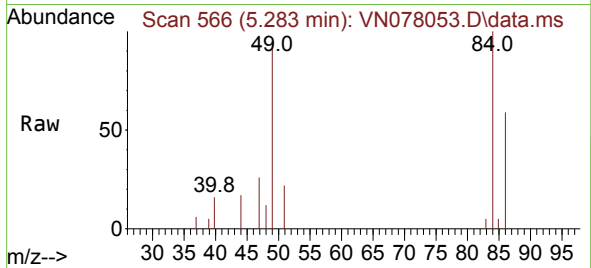




#20
Methylene Chloride
Concen: 0.429 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

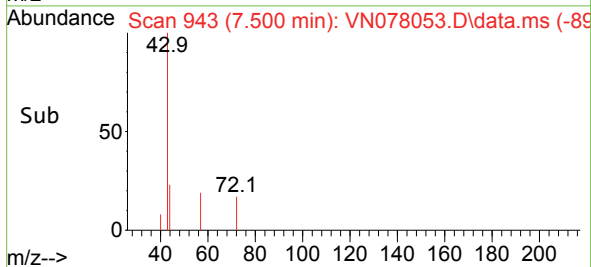
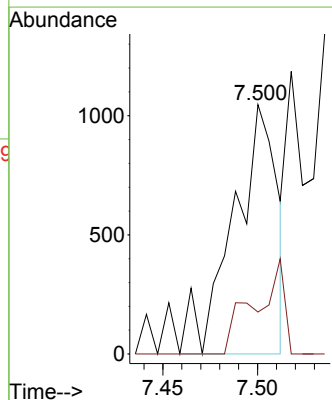
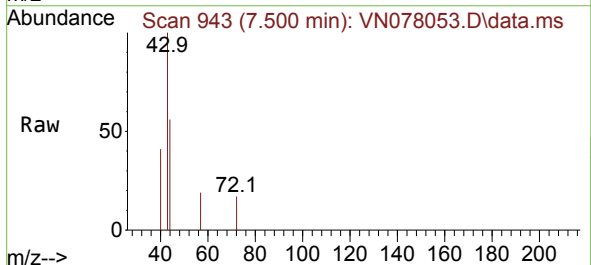
Instrument :
MSVOA_N
ClientSampleId :
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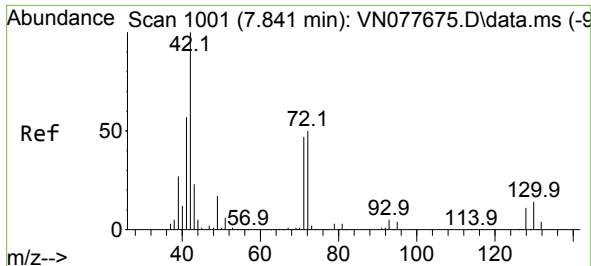
Tgt Ion: 84	Resp: 11448
Ion Ratio	Lower Upper
84 100	
49 94.7	79.7 119.5
51 22.1	25.2 37.8#
86 59.2	53.3 79.9



#25
2-Butanone
Concen: 0.587 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 43	Resp: 1691
Ion Ratio	Lower Upper
43 100	
72 16.8	30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 7.847 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VN078053.D

Acq: 05 Jun 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

348

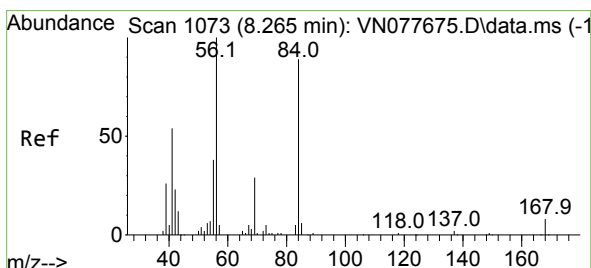
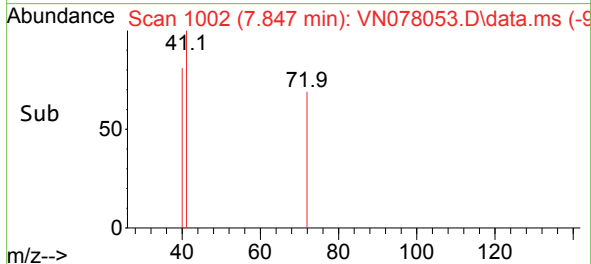
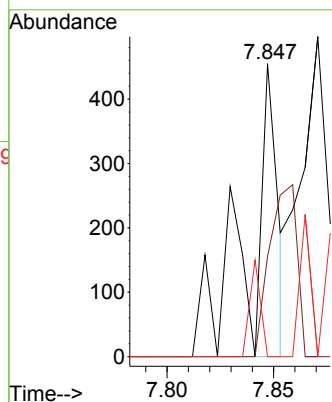
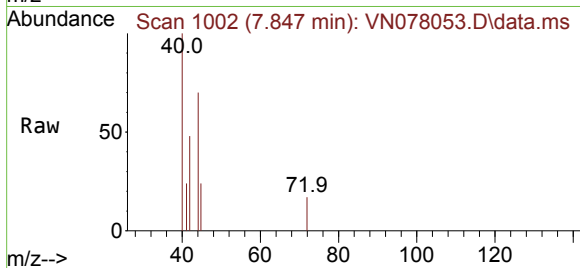
Tgt Ion: 42 Resp: 433

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 12.2 47.4 71.2#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.024 min

Lab File: VN078053.D

Acq: 05 Jun 2023 18:45

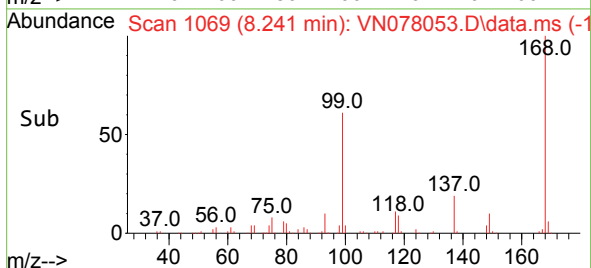
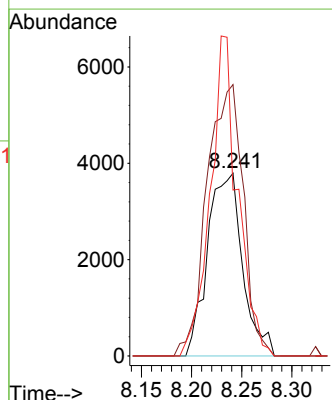
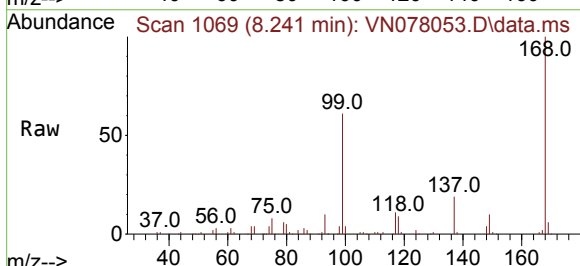
Tgt Ion: 56 Resp: 9206

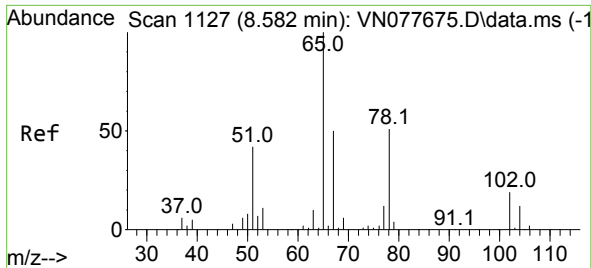
Ion Ratio Lower Upper

56 100

69 148.4 26.8 40.2#

84 90.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 45.892 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078053.D

Acq: 05 Jun 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

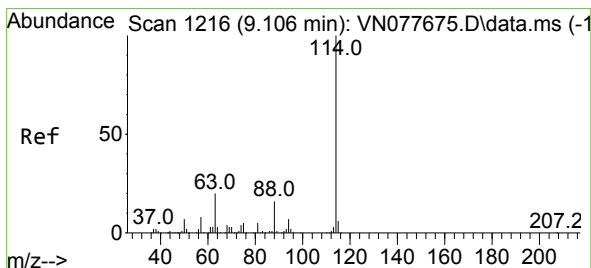
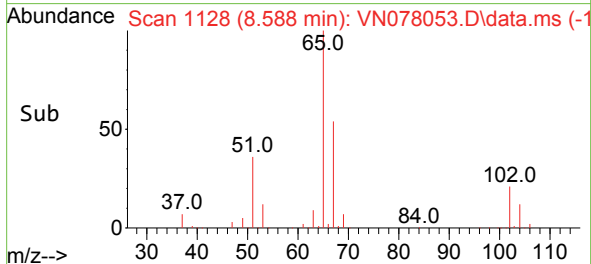
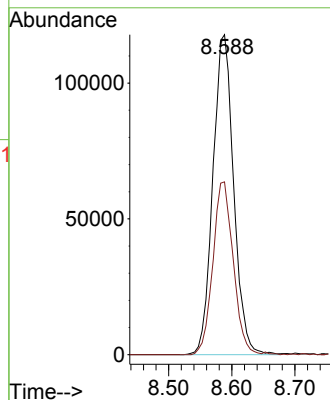
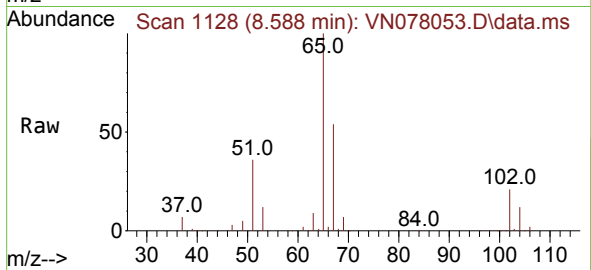
348

Tgt Ion: 65 Resp: 268722

Ion Ratio Lower Upper

65 100

67 52.9 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: VN078053.D

Acq: 05 Jun 2023 18:45

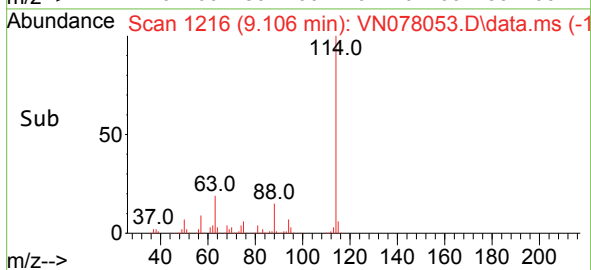
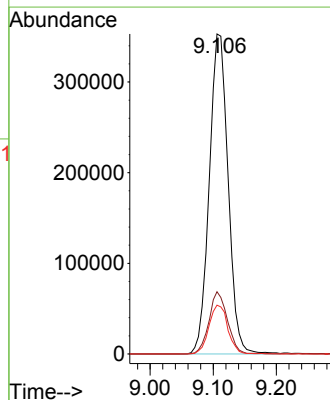
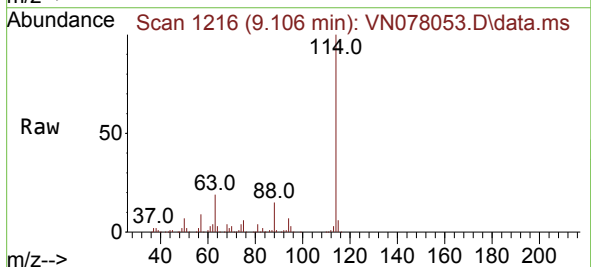
Tgt Ion: 114 Resp: 730837

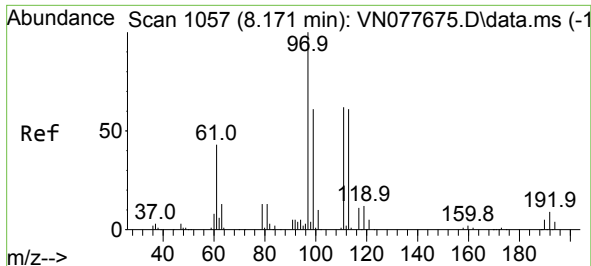
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 15.3 0.0 30.6

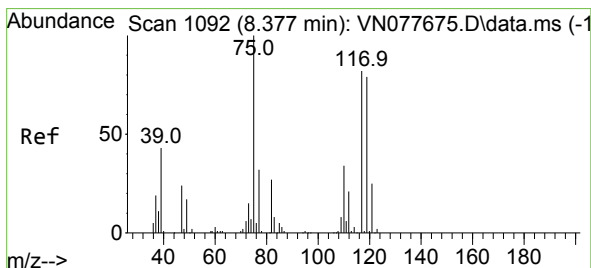
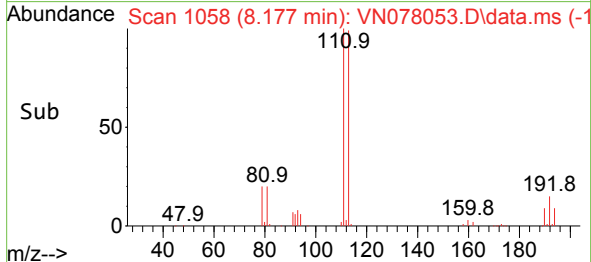
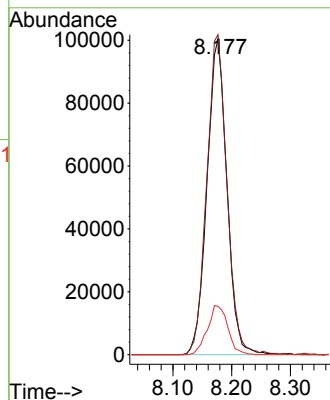
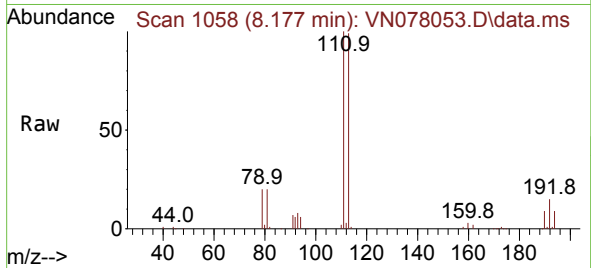




#35
Dibromofluoromethane
Concen: 49.471 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

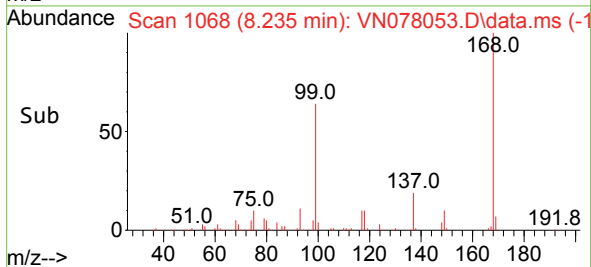
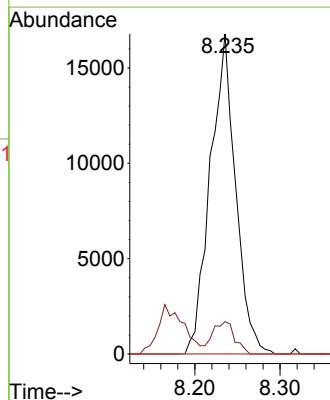
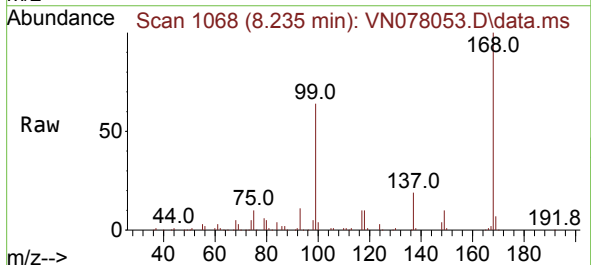
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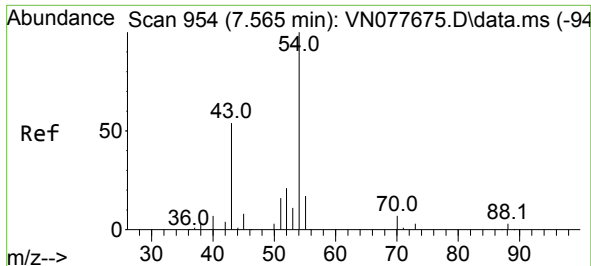
Tgt Ion:113 Resp: 235764
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 15.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 75 Resp: 34701
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.0 37.4#

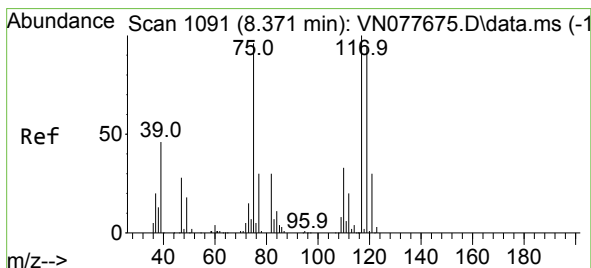
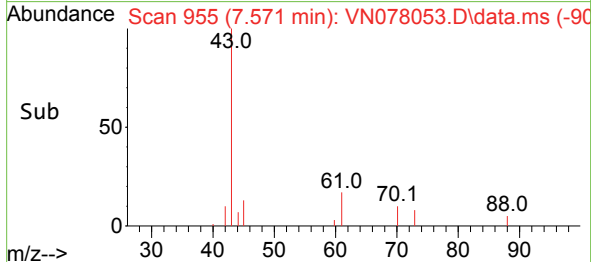
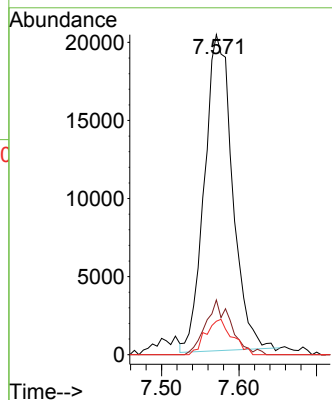
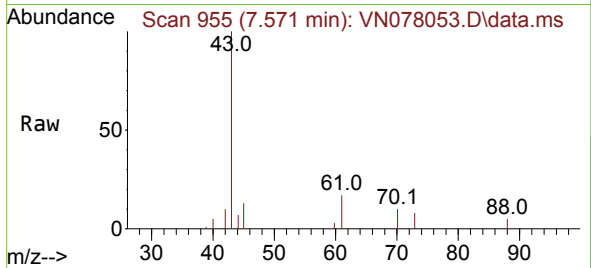




#37
Ethyl Acetate
Concen: 8.164 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

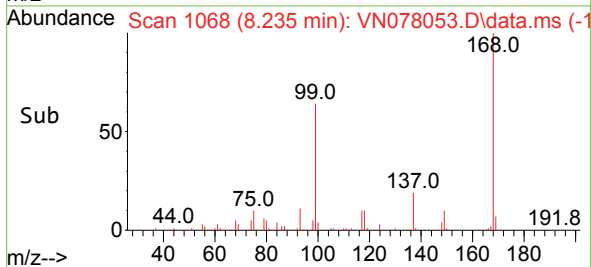
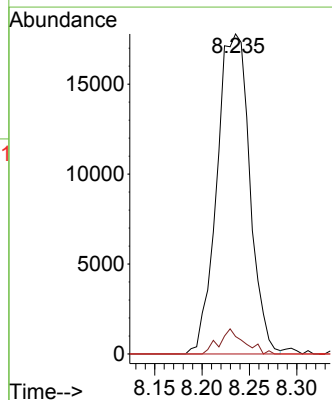
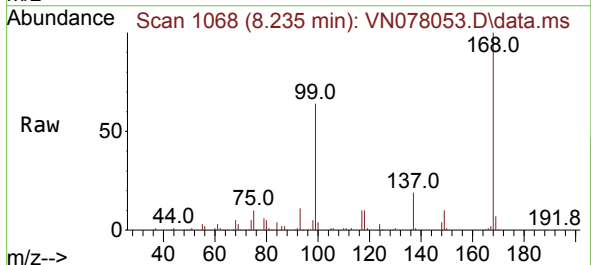
Instrument :
MSVOA_N
ClientSampleId :
348

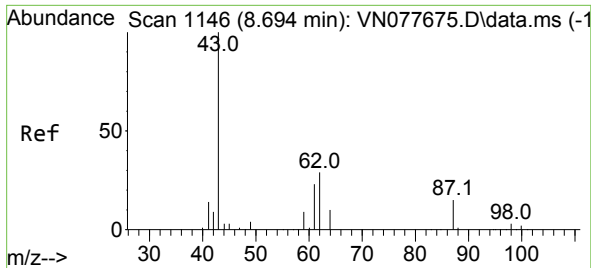
Tgt Ion: 43 Resp: 50724
Ion Ratio Lower Upper
43 100
61 16.0 13.2 19.8
70 10.6 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 6.090 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 117 Resp: 42868
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#

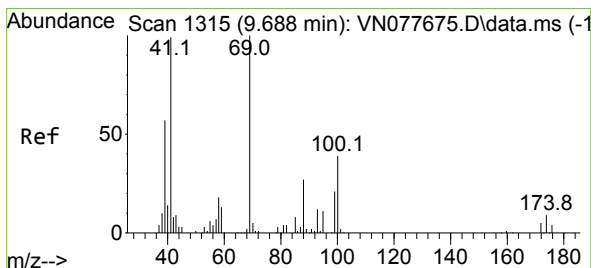
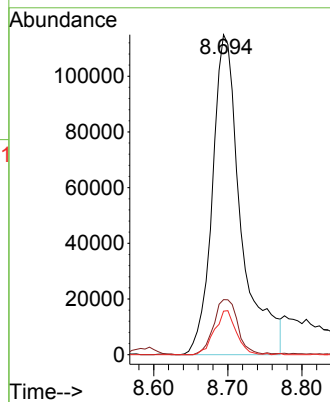
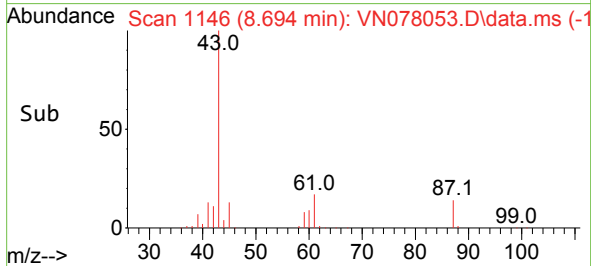
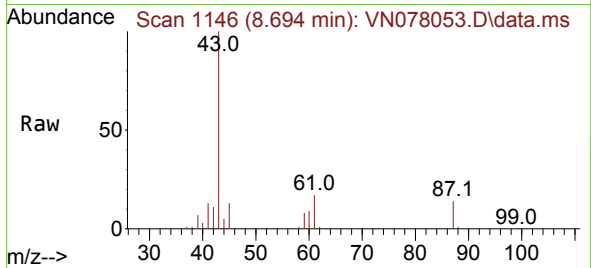




#43
Isopropyl Acetate
Concen: 30.363 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

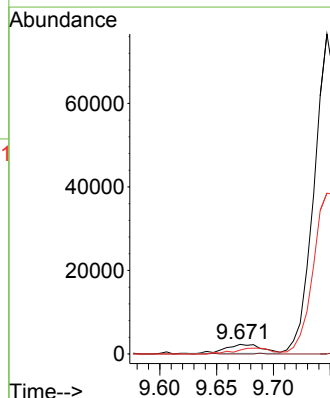
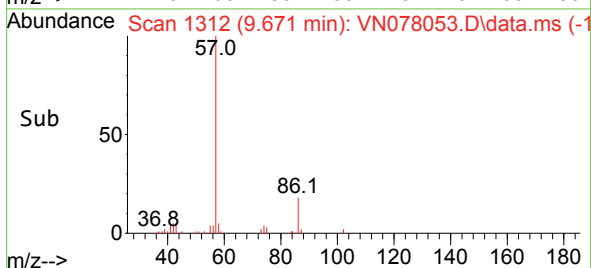
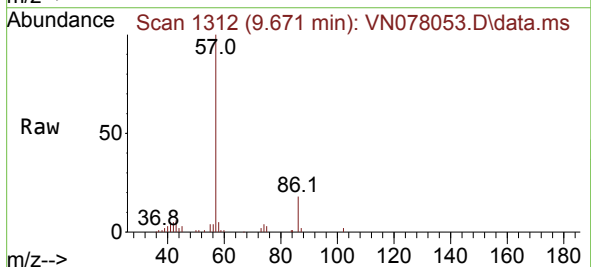
Instrument :
MSVOA_N
ClientSampleId :
348

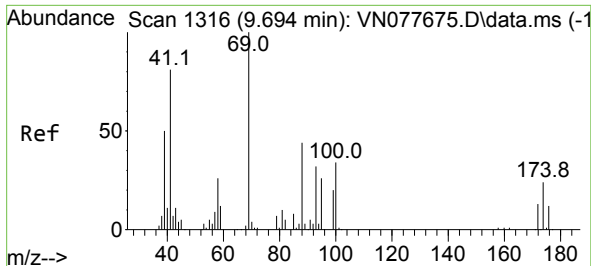
Tgt Ion: 43 Resp: 308128
Ion Ratio Lower Upper
43 100
61 14.5 24.7 37.1#
87 10.5 14.6 21.8#



#48
Methyl methacrylate
Concen: 0.988 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 41 Resp: 4752
Ion Ratio Lower Upper
41 100
69 1.4 90.4 135.6#
39 65.5 54.6 81.8

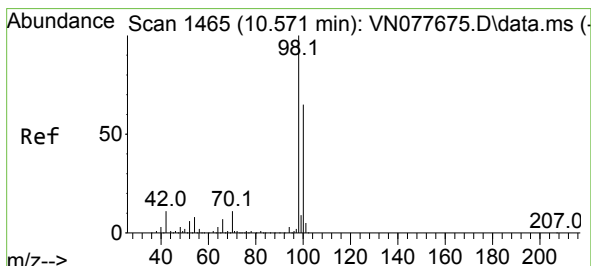
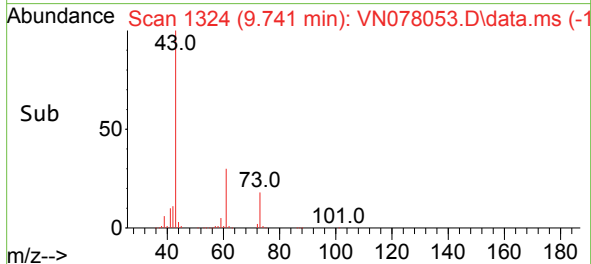
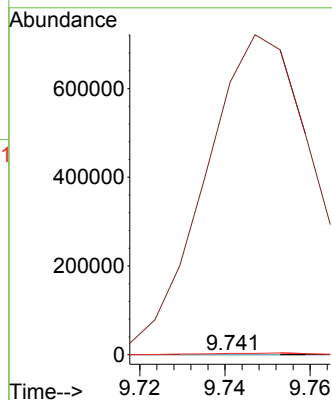
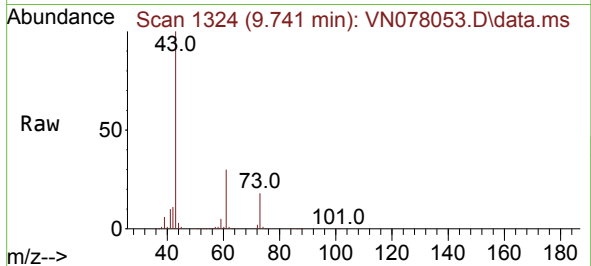




#49
1,4-Dioxane
Concen: 0.781 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

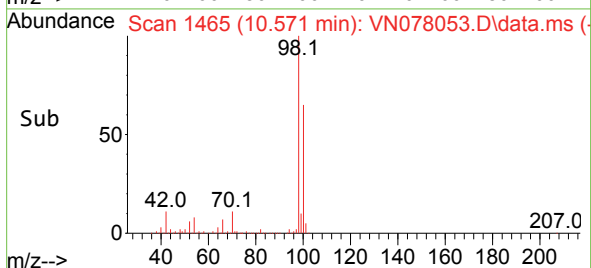
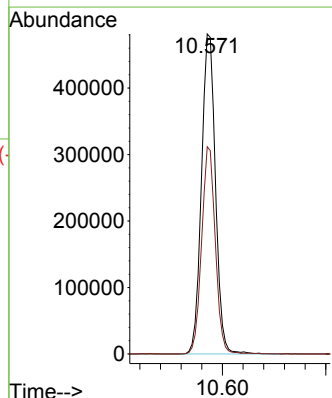
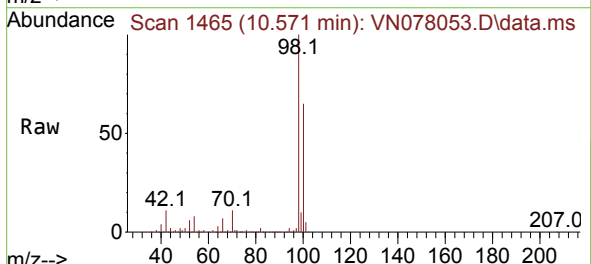
Instrument :
MSVOA_N
ClientSampleId :
348

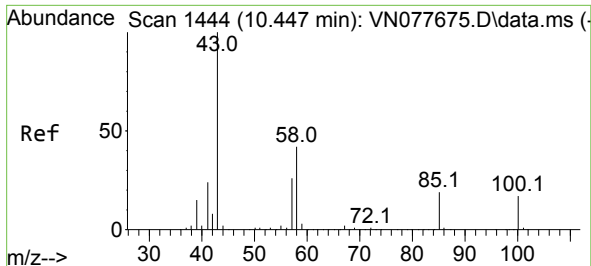
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 1888831.0 17.0 25.6#
58 9816.9 47.0 70.4#



#50
Toluene-d8
Concen: 49.270 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 98 Resp: 903796
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

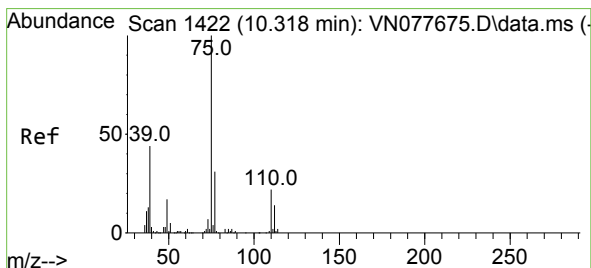
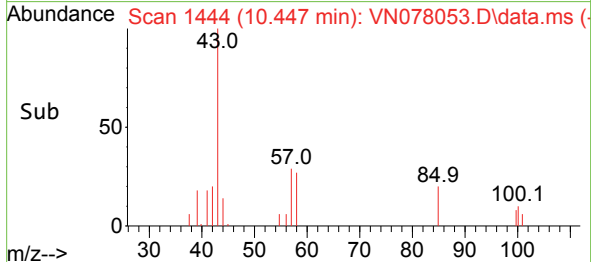
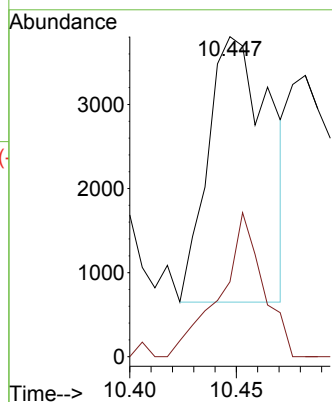
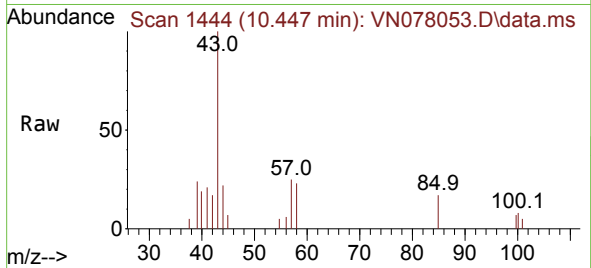




#51
4-Methyl-2-Pentanone
Concen: 1.053 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

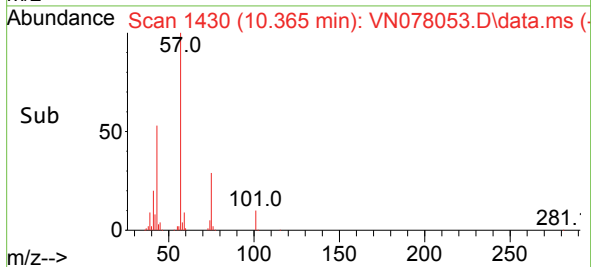
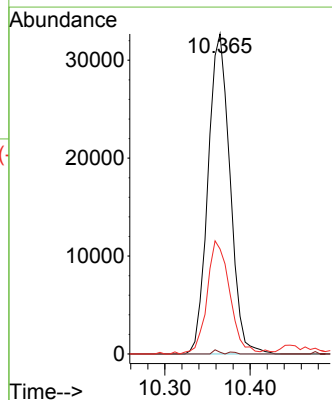
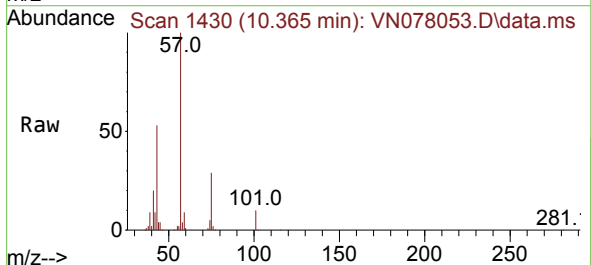
Instrument :
MSVOA_N
ClientSampleId :
348

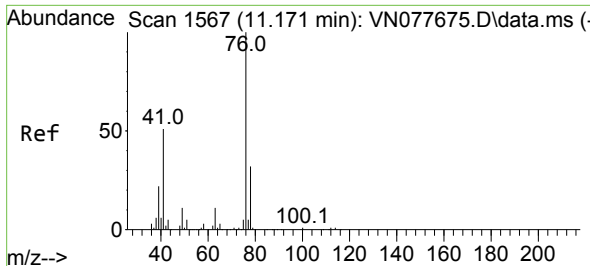
Tgt Ion: 43 Resp: 6354
Ion Ratio Lower Upper
43 100
58 37.4 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 6.970 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 75 Resp: 58465
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 32.8 31.6 47.4





#57

1,3-Dichloropropane

Concen: 0.445 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078053.D

Acq: 05 Jun 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

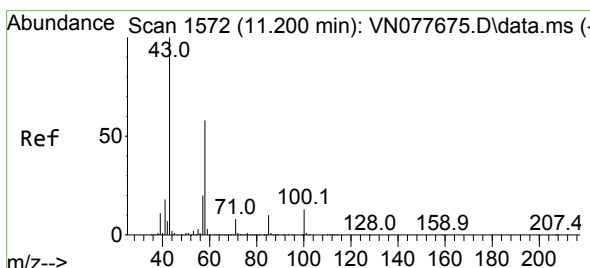
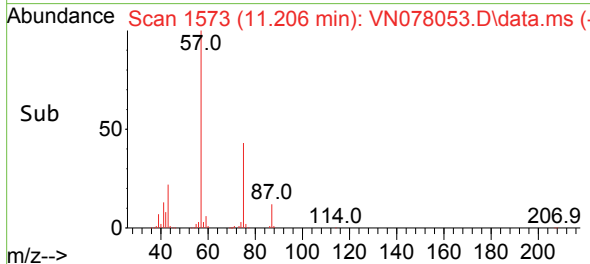
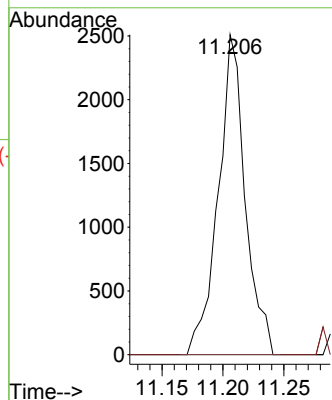
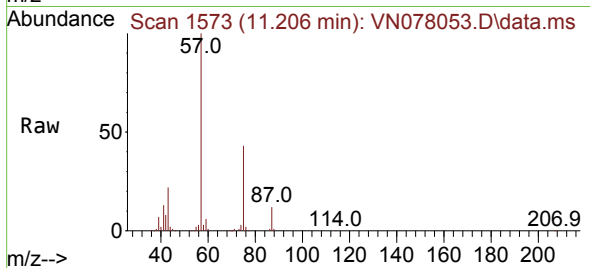
348

Tgt Ion: 76 Resp: 3876

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.743 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078053.D

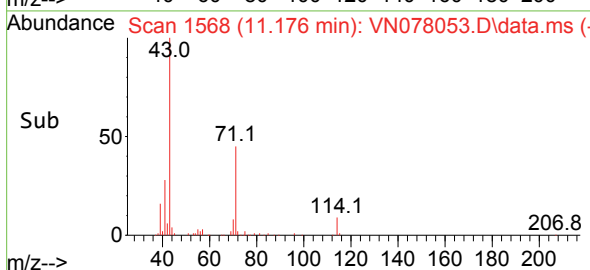
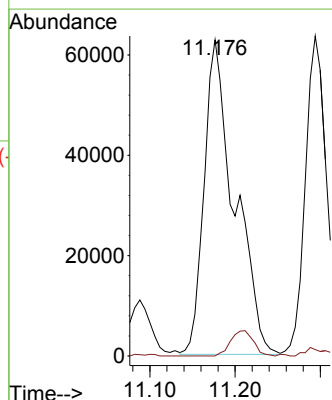
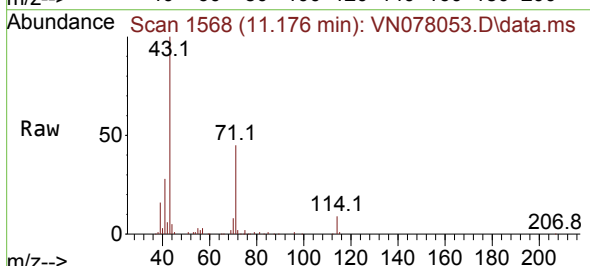
Acq: 05 Jun 2023 18:45

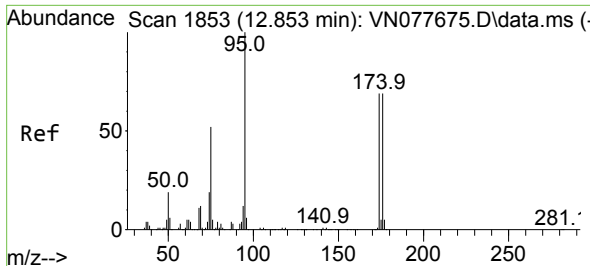
Tgt Ion: 43 Resp: 155016

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

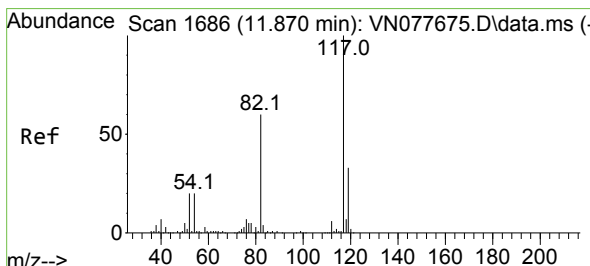
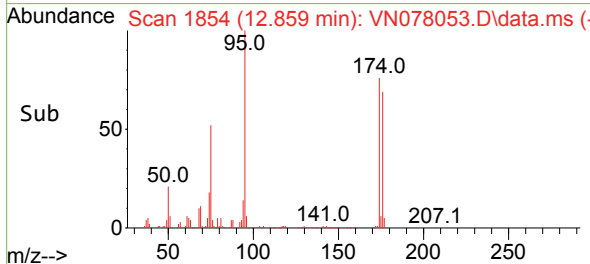
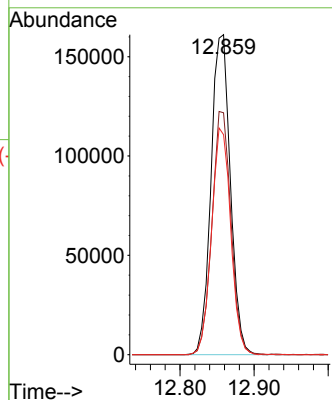
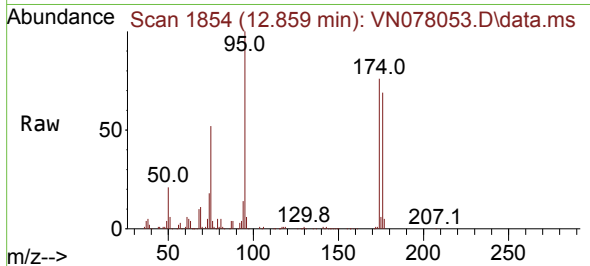




#62
4-Bromofluorobenzene
Concen: 45.060 ug/l
RT: 12.859 min Scan# 1185
Delta R.T. 0.006 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

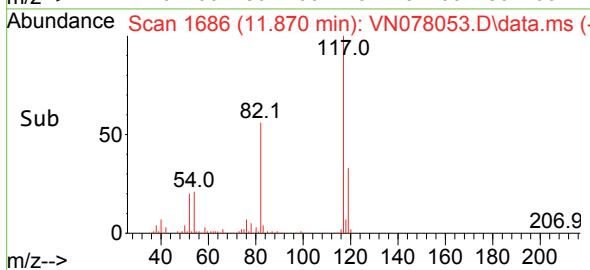
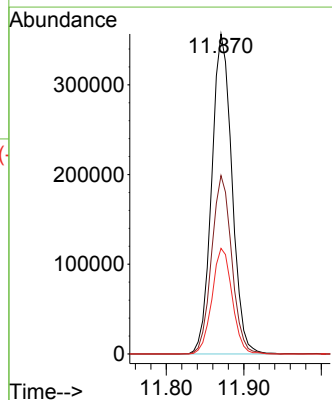
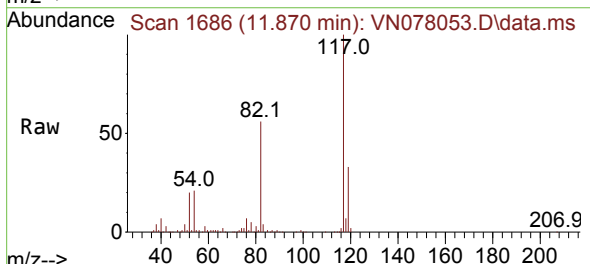
Instrument :
MSVOA_N
ClientSampleId :
348

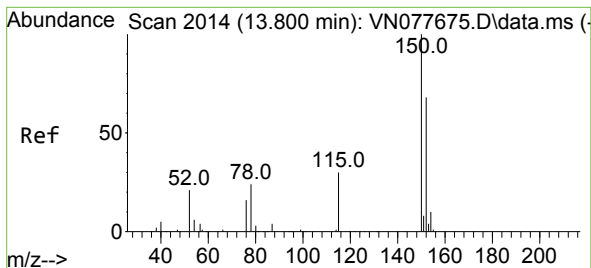
Tgt Ion: 95 Resp: 291923
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 70.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078053.D
Acq: 05 Jun 2023 18:45

Tgt Ion: 117 Resp: 647064
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 33.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078053.D

Acq: 05 Jun 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

348

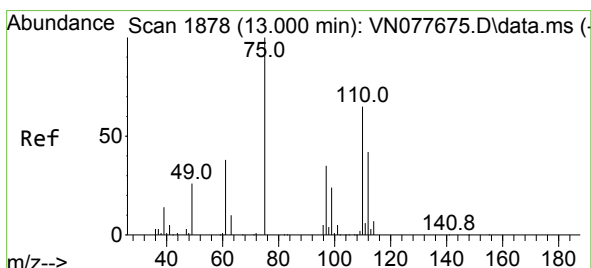
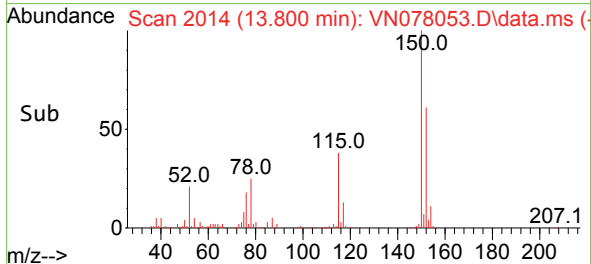
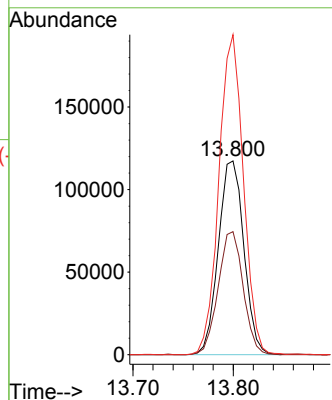
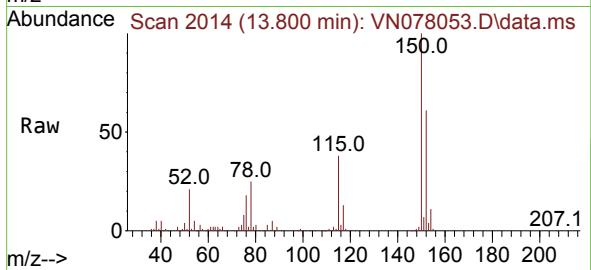
Tgt Ion:152 Resp: 207291

Ion Ratio Lower Upper

152 100

115 62.2 32.3 96.8

150 158.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 30.325 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078053.D

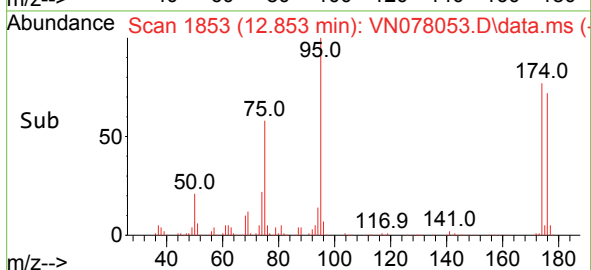
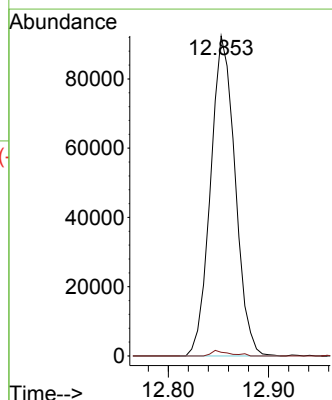
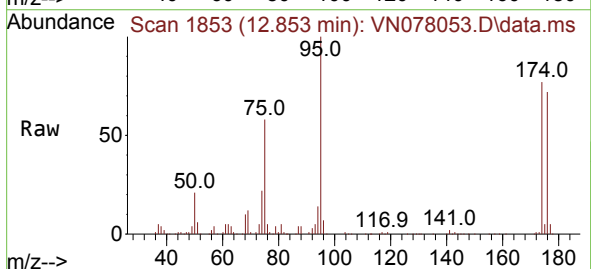
Acq: 05 Jun 2023 18:45

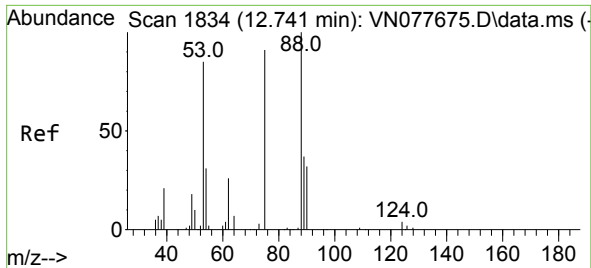
Tgt Ion: 75 Resp: 157428

Ion Ratio Lower Upper

75 100

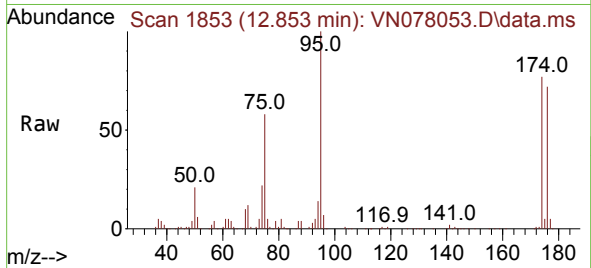
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.935 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078053.D
 Acq: 05 Jun 2023 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion: 75 Resp: 157428
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

