

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060223\
 Data File : VN078029.D
 Acq On : 02 Jun 2023 14:09
 Operator : JC\MD
 Sample : 03008-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-19-0A

Quant Time: Jun 05 01:11:55 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)

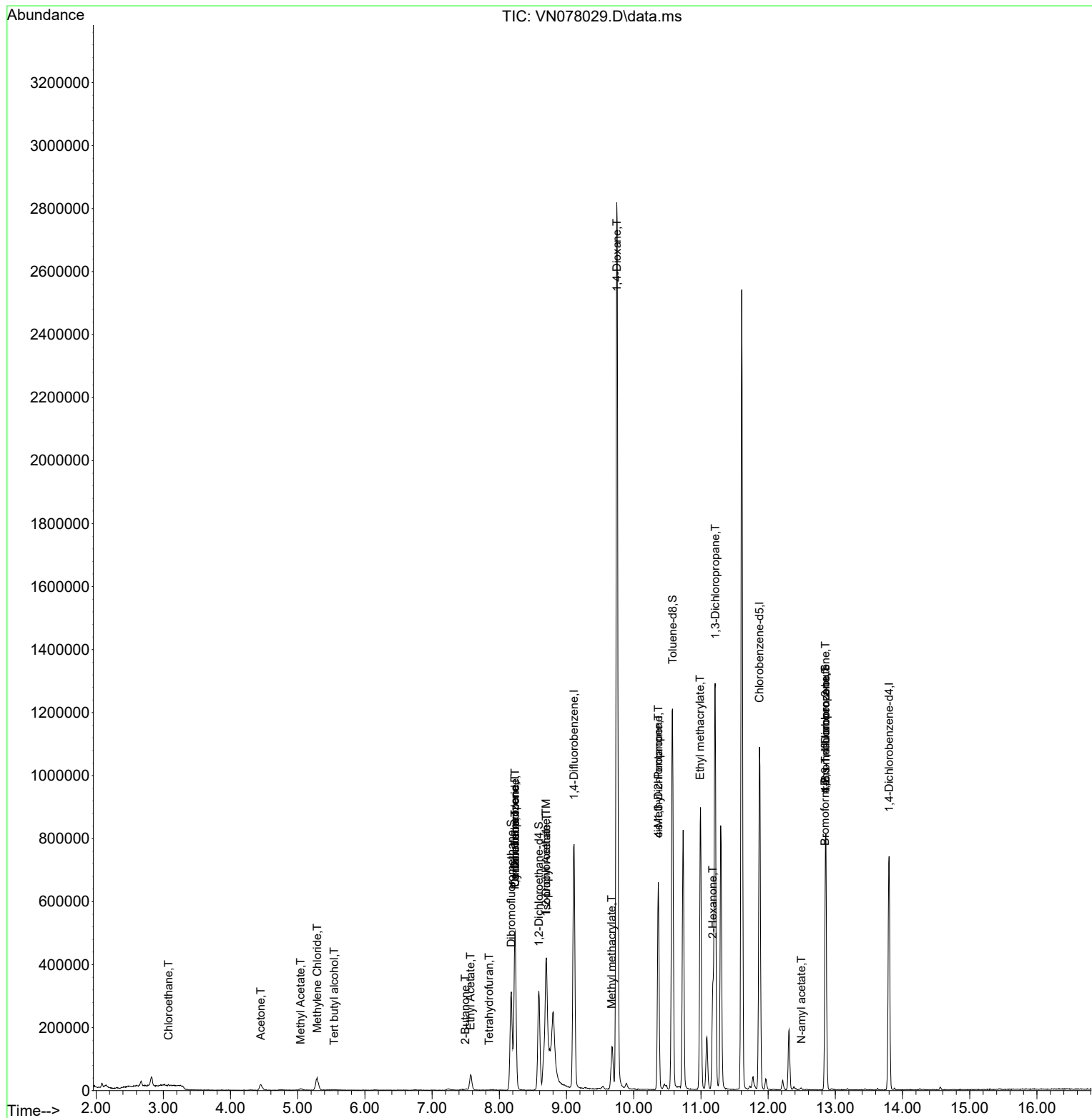
Internal Standards						
1) Pentafluorobenzene	8.230	168	362919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	706677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	644314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	202206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	261813	48.214	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.420%
35) Dibromofluoromethane	8.177	113	221072	47.974	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.940%
50) Toluene-d8	10.577	98	877748	49.486	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.980%
62) 4-Bromofluorobenzene	12.853	95	284757	45.456	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1032	Below Cal	#	79
6) Chloroethane	3.077	64	1997	0.532	ug/l #	43
11) Tert butyl alcohol	5.542	59	1709	2.280	ug/l #	72
13) Acrolein	4.201	56	664	Below Cal	#	72
16) Acetone	4.448	43	33780	19.773	ug/l	95
18) Methyl Acetate	5.042	43	9246	1.290	ug/l #	64
20) Methylene Chloride	5.289	84	30211	5.016	ug/l	89
25) 2-Butanone	7.494	43	6380	2.387	ug/l #	70
29) Tetrahydrofuran	7.847	42	549	0.314	ug/l #	20
31) Cyclohexane	8.236	56	8988	1.218	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	30458	4.519	ug/l #	49
37) Ethyl Acetate	7.571	43	71139	11.842	ug/l	96
38) Carbon Tetrachloride	8.236	117	39501	5.804	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	3555	0.492	ug/l #	73
43) Isopropyl Acetate	8.700	43	605410	61.696	ug/l #	69
48) Methyl methacrylate	9.671	41	8722	1.875	ug/l #	31
49) 1,4-Dioxane	9.747	88	231	2.629	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	231300	39.655	ug/l #	41
54) cis-1,3-Dichloropropene	10.365	75	121556	14.987	ug/l #	66
56) Ethyl methacrylate	10.988	69	3553	0.478	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	14500	1.720	ug/l #	42
59) 2-Hexanone	11.177	43	253951	58.863	ug/l #	19
71) Bromoform	12.847	173	2114	0.658	ug/l #	1
74) N-amyl acetate	12.494	43	2948	0.458	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	154448	30.499	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	154448	97.492	ug/l #	15

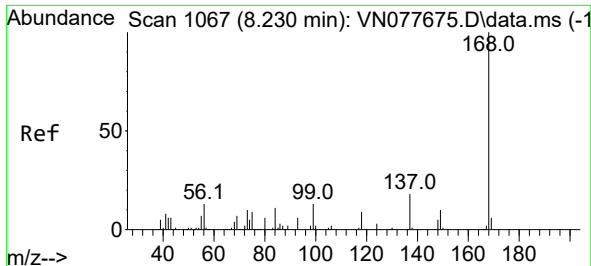
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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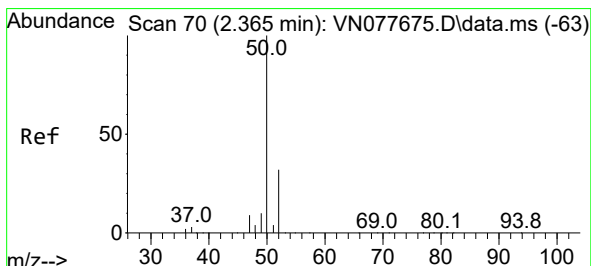
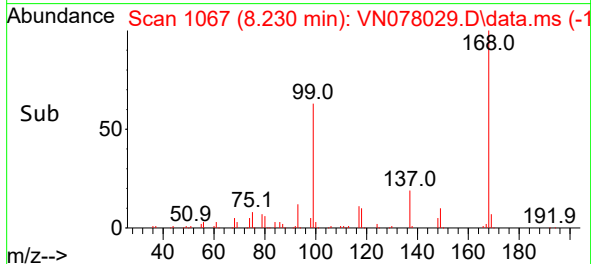
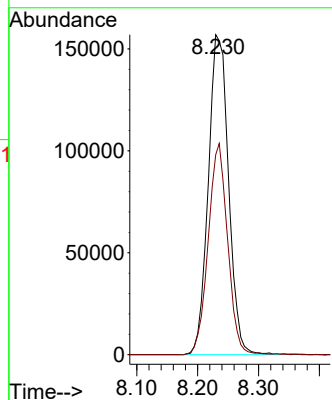
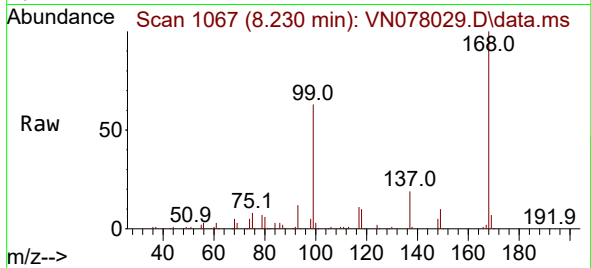




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

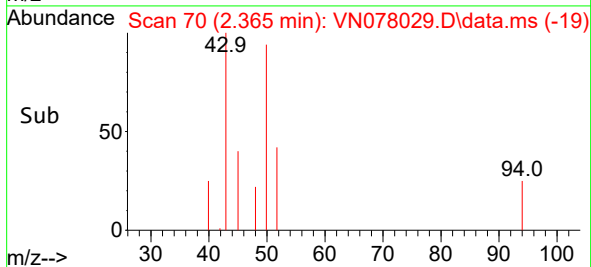
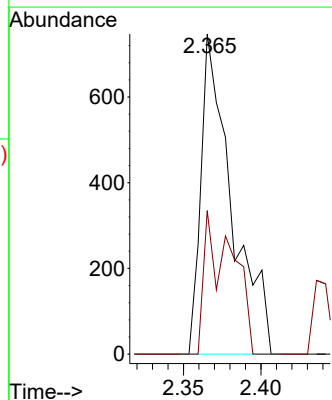
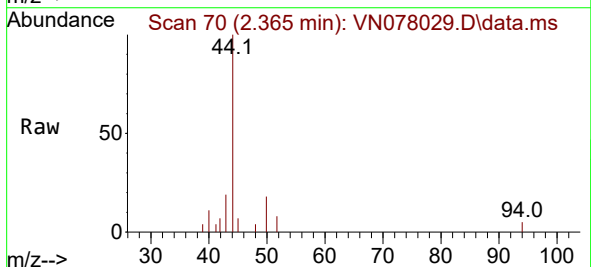
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

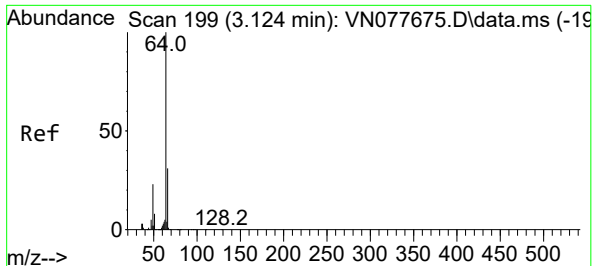
Tgt Ion:168 Resp: 362919
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 50 Resp: 1032
Ion Ratio Lower Upper
50 100
52 44.8 26.5 39.7#

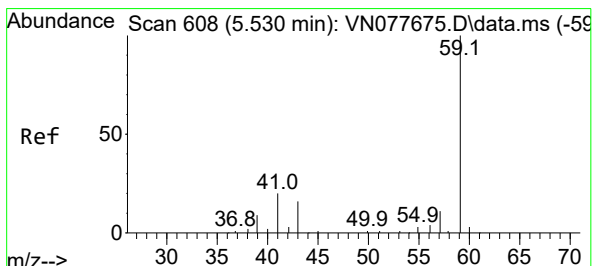
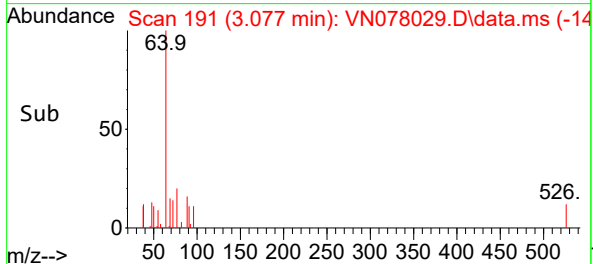
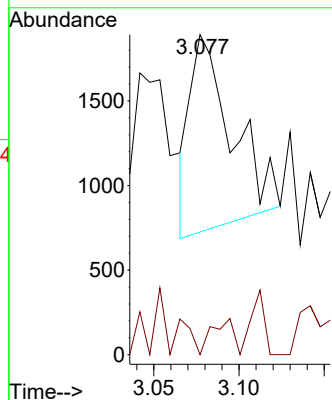
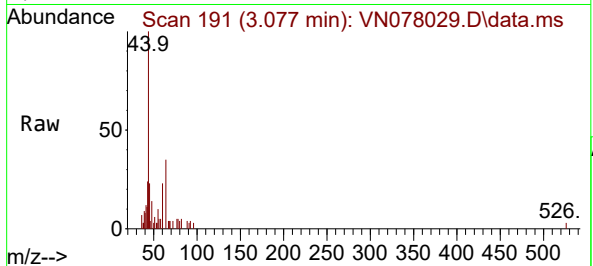




#6
Chloroethane
Concen: 0.532 ug/l
RT: 3.077 min Scan# 199
Delta R.T. -0.047 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

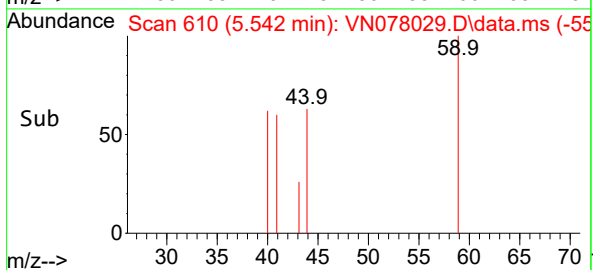
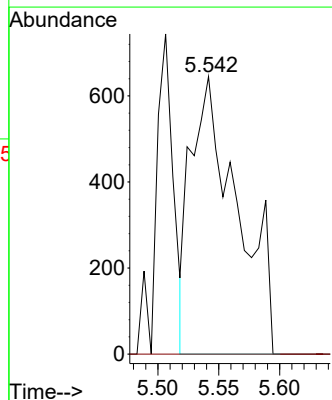
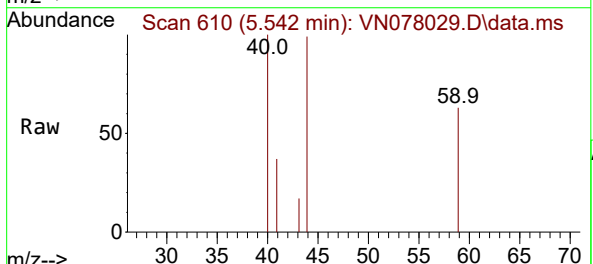
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

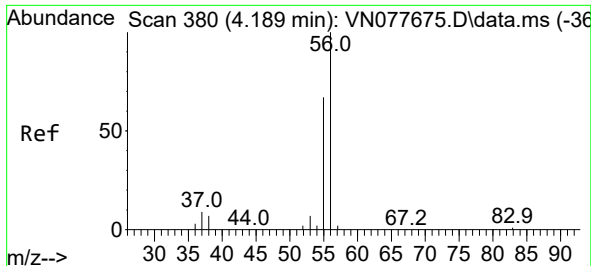
Tgt Ion: 64 Resp: 1997
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.280 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 59 Resp: 1709
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

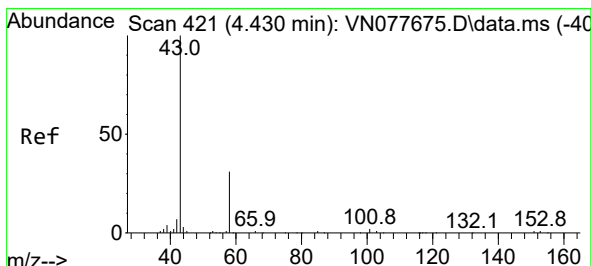
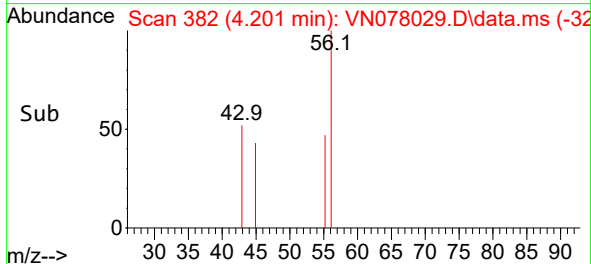
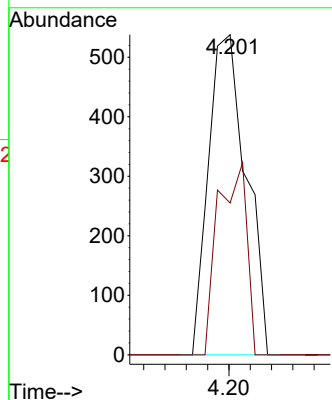
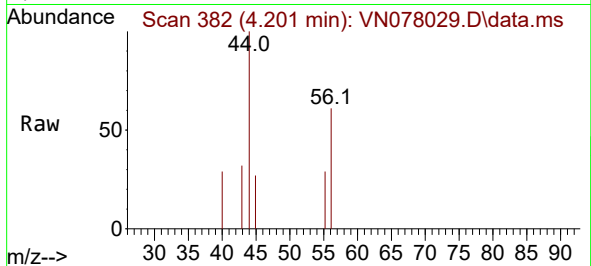




#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

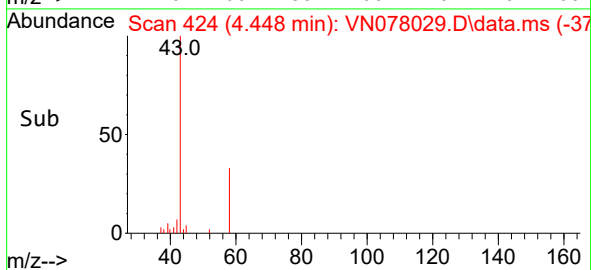
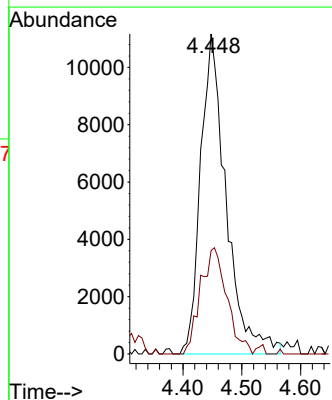
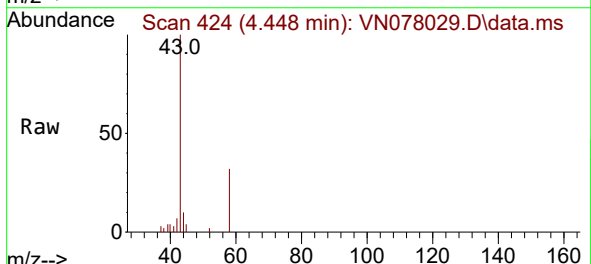
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

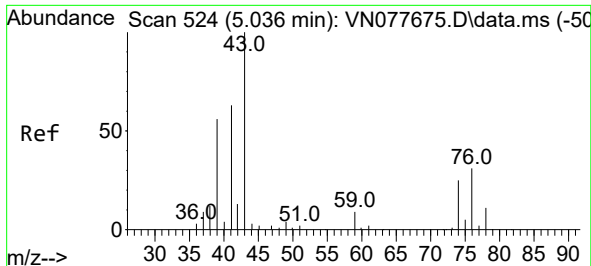
Tgt Ion: 56 Resp: 664
Ion Ratio Lower Upper
56 100
55 45.5 54.5 81.7#



#16
Acetone
Concen: 19.773 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 43 Resp: 33780
Ion Ratio Lower Upper
43 100
58 32.3 28.0 42.0

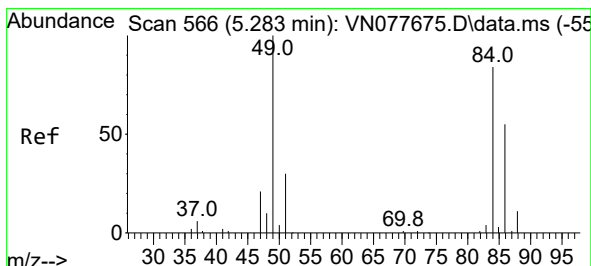
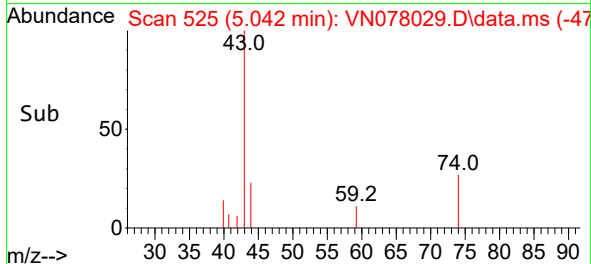
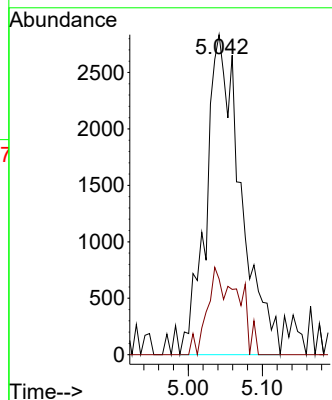
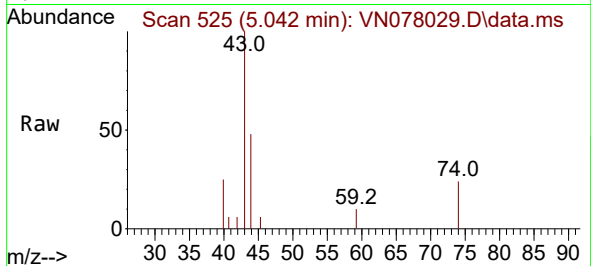




#18
Methyl Acetate
Concen: 1.290 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

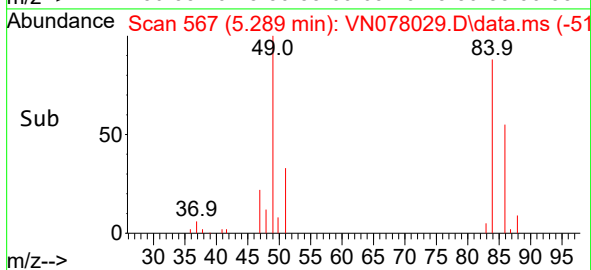
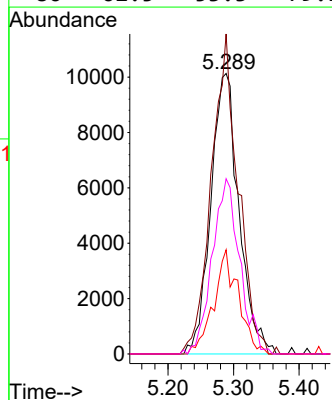
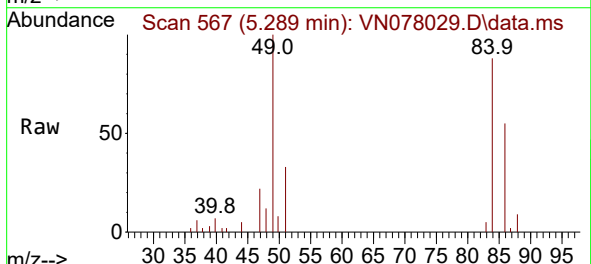
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

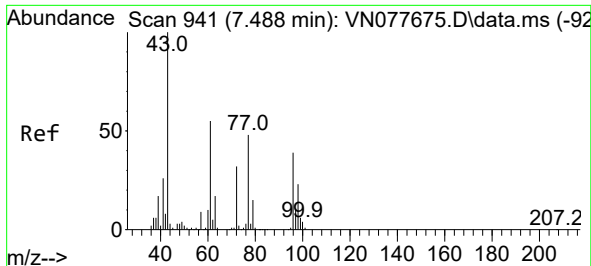
Tgt Ion: 43 Resp: 9246
Ion Ratio Lower Upper
43 100
74 12.3 26.2 39.4#



#20
Methylene Chloride
Concen: 5.016 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 84 Resp: 30211
Ion Ratio Lower Upper
84 100
49 114.1 79.7 119.5
51 37.1 25.2 37.8
86 62.5 53.3 79.9

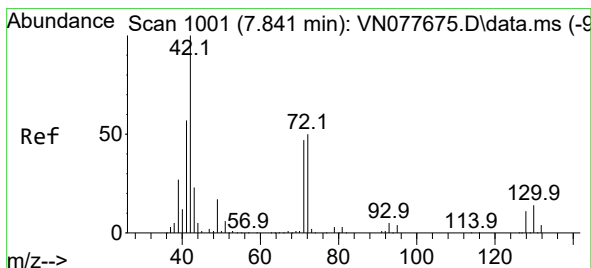
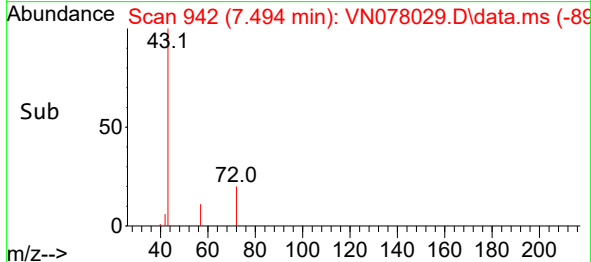
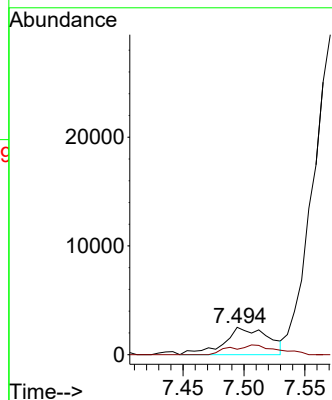
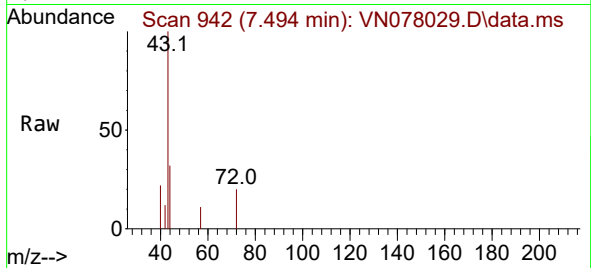




#25
2-Butanone
Concen: 2.387 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

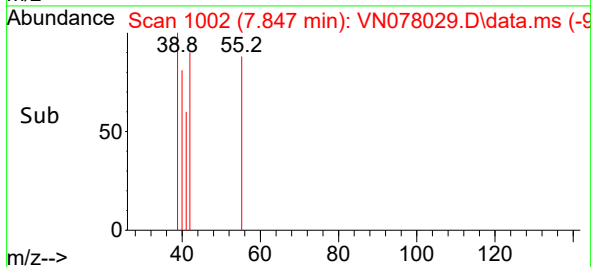
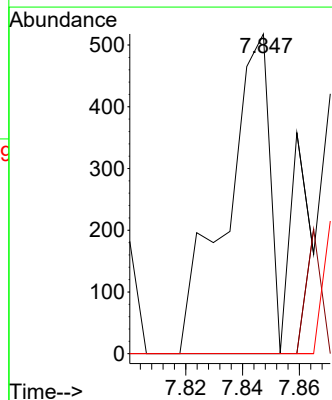
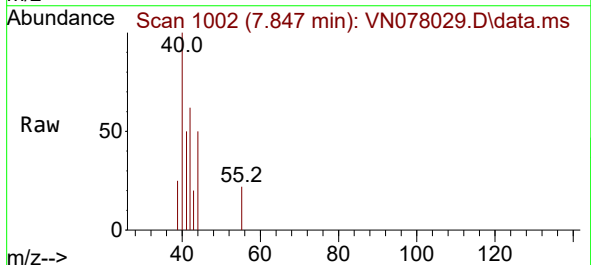
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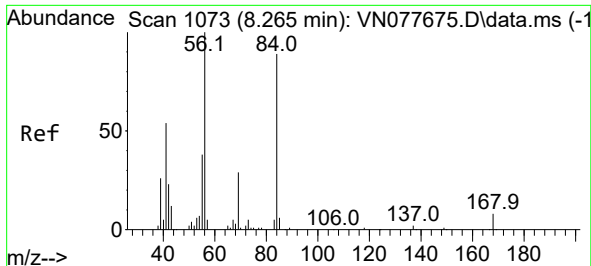
Tgt Ion: 43 Resp: 6380
Ion Ratio Lower Upper
43 100
72 19.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.314 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

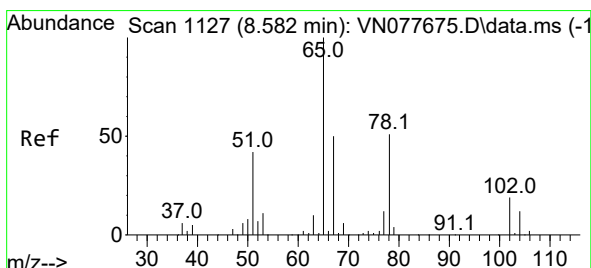
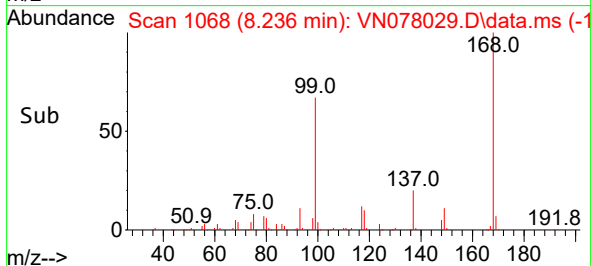
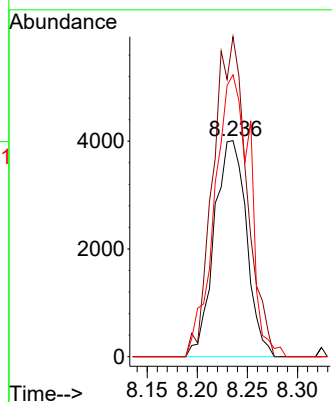
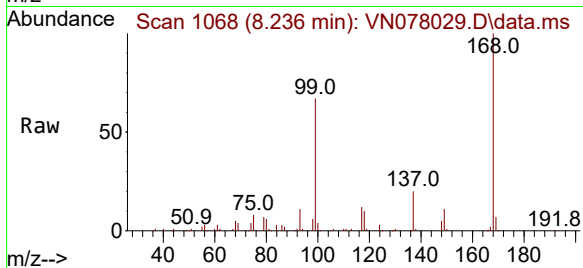




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

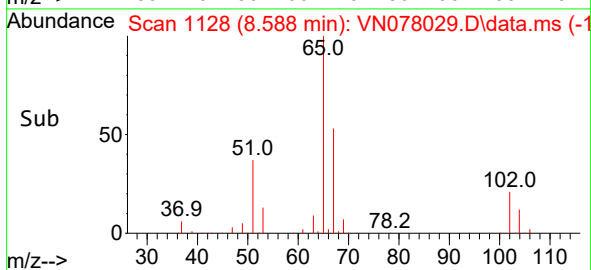
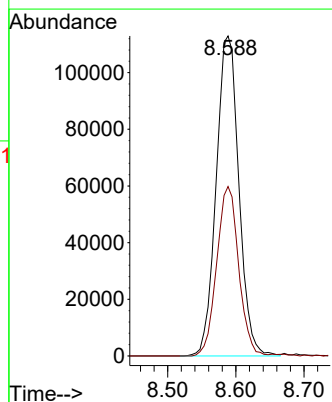
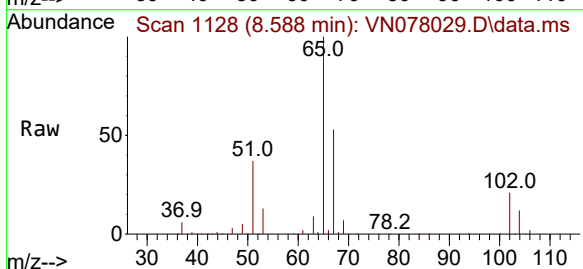
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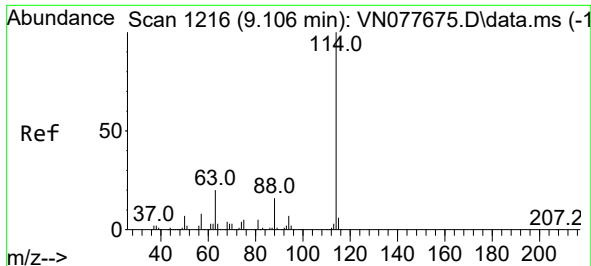
Tgt Ion: 56 Resp: 8988
Ion Ratio Lower Upper
56 100
69 148.1 26.8 40.2#
84 130.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 48.214 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 65 Resp: 261813
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.6

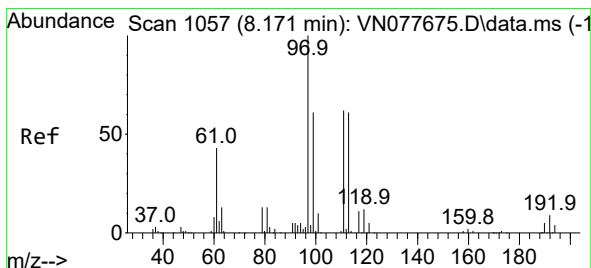
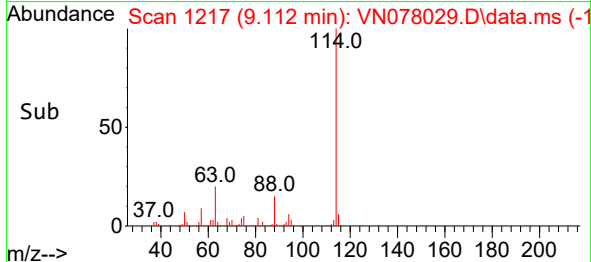
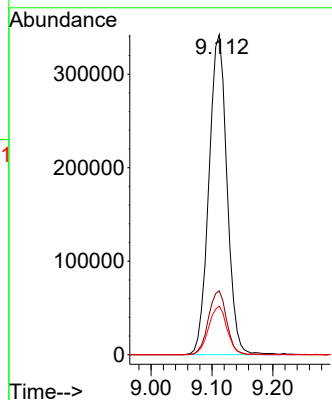
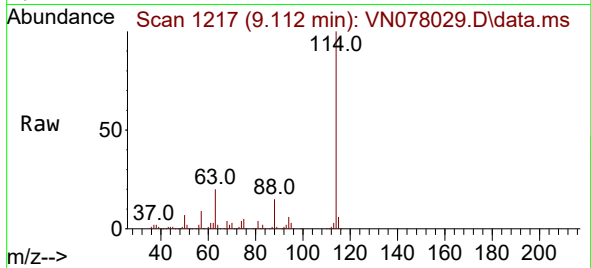




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

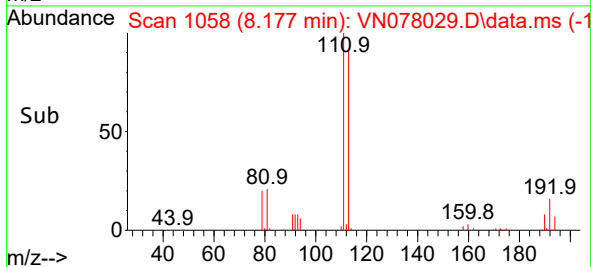
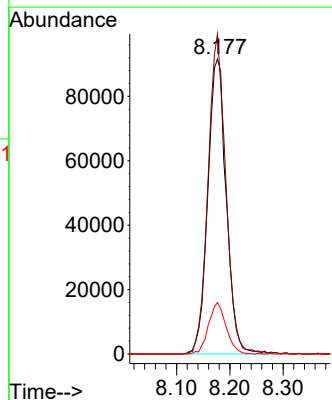
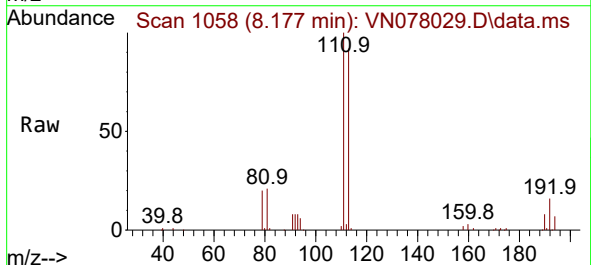
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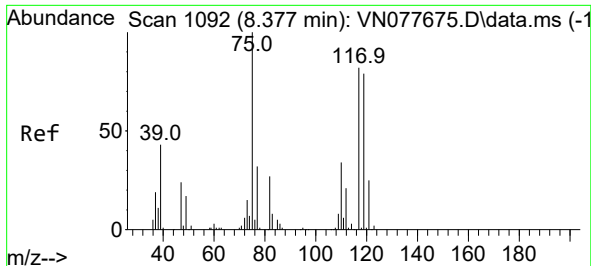
Tgt Ion:114 Resp: 706677
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.974 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion:113 Resp: 221072
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 16.6 12.7 19.1

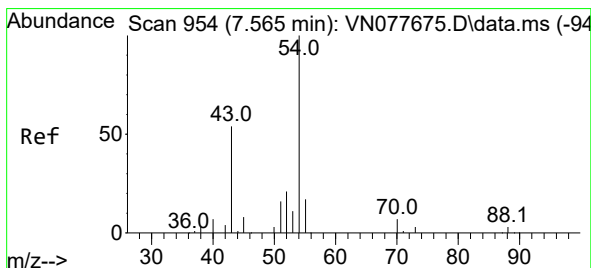
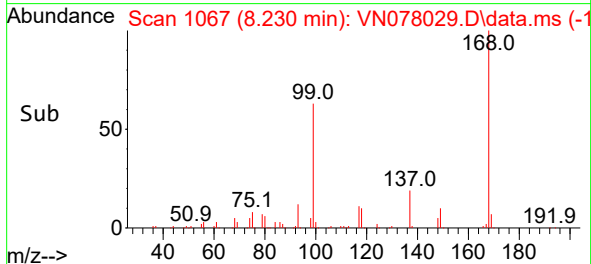
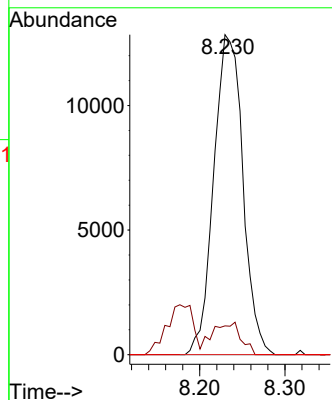
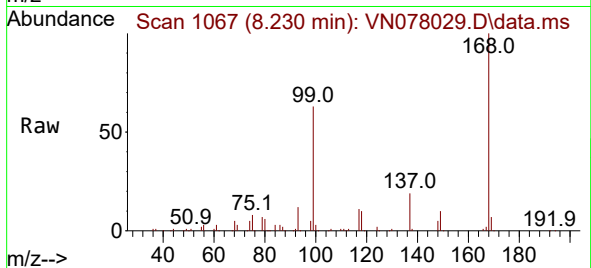




#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

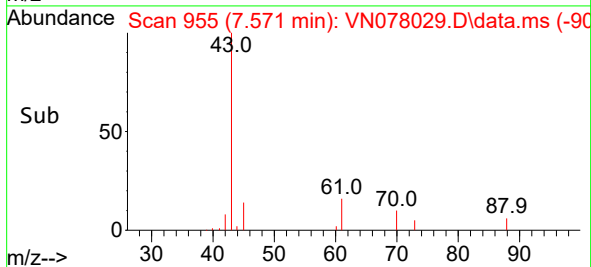
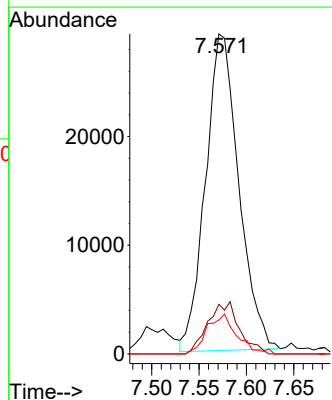
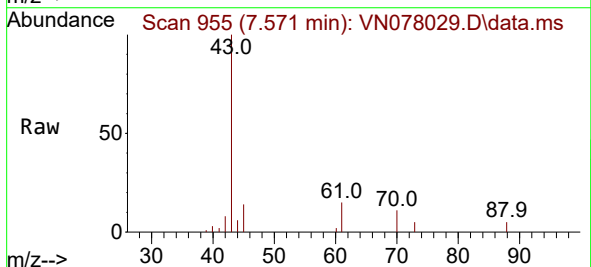
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

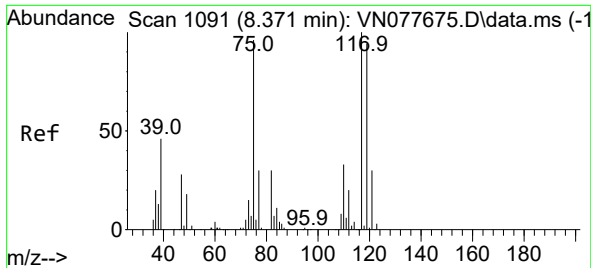
Tgt Ion: 75 Resp: 30458
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.842 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 43 Resp: 71139
Ion Ratio Lower Upper
43 100
61 15.5 13.2 19.8
70 11.3 11.3 16.9

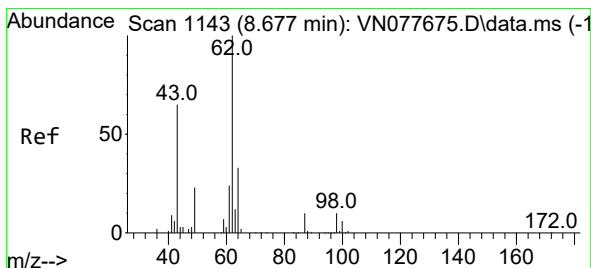
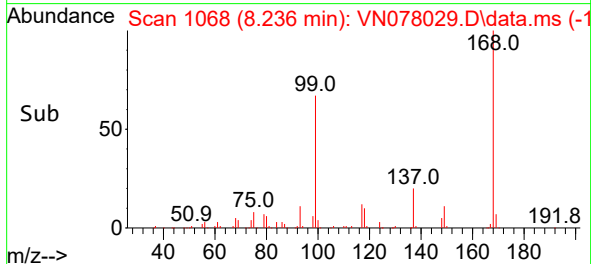
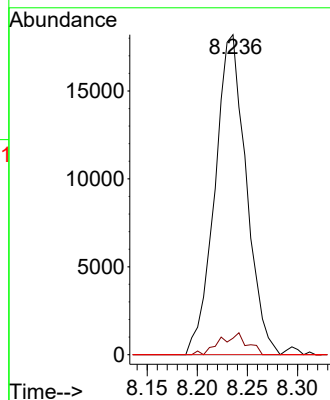
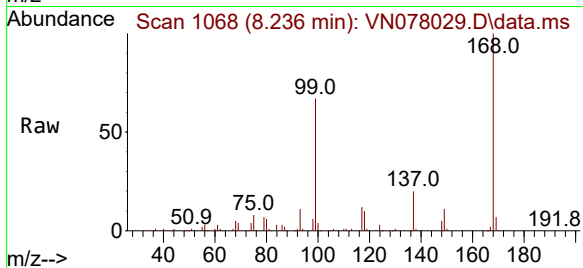




#38
Carbon Tetrachloride
Concen: 5.804 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

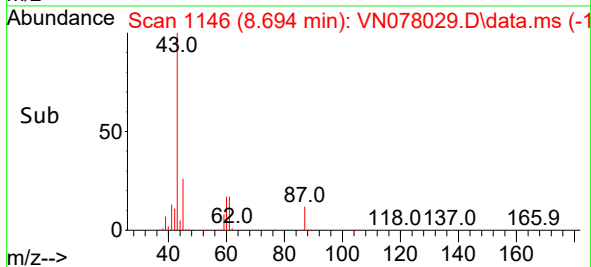
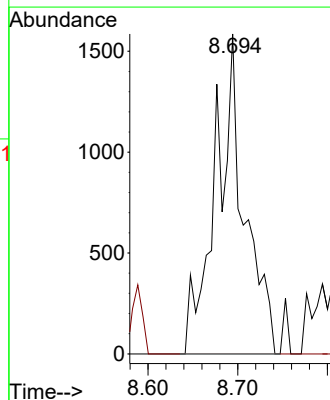
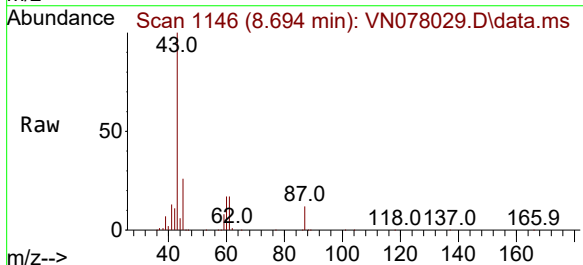
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

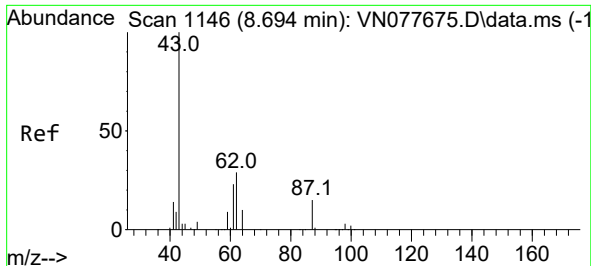
Tgt Ion:117 Resp: 39501
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.492 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 62 Resp: 3555
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

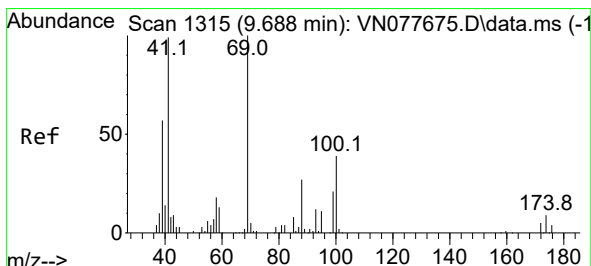
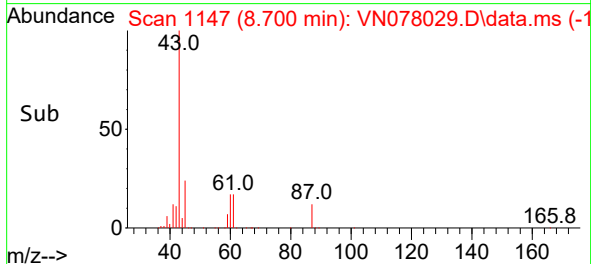
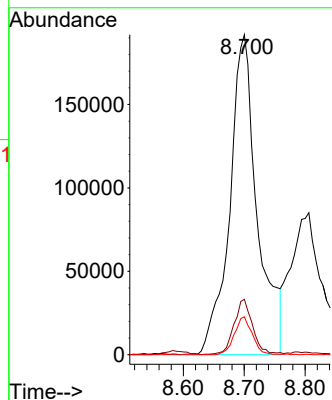
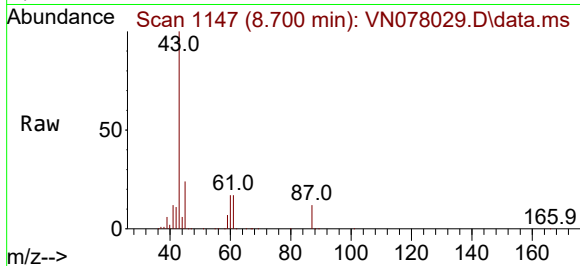




#43
Isopropyl Acetate
Concen: 61.696 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

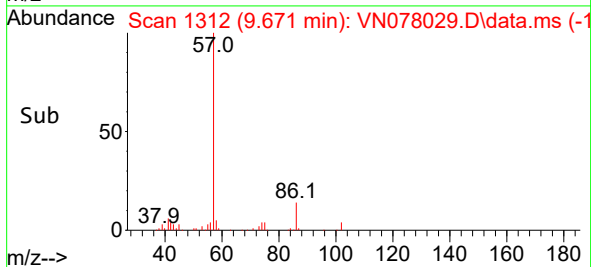
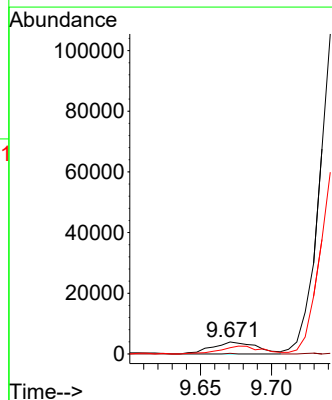
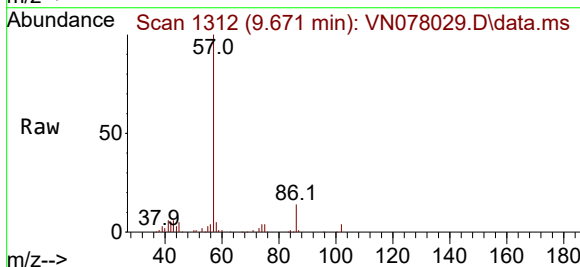
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

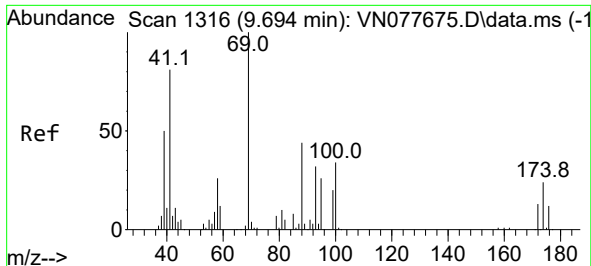
Tgt Ion: 43 Resp: 605410
Ion Ratio Lower Upper
43 100
61 11.8 24.7 37.1#
87 7.6 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.875 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 41 Resp: 8722
Ion Ratio Lower Upper
41 100
69 0.9 90.4 135.6#
39 59.9 54.6 81.8





#49

1,4-Dioxane

Concen: 2.629 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN078029.D

Acq: 02 Jun 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

TP-19-0A

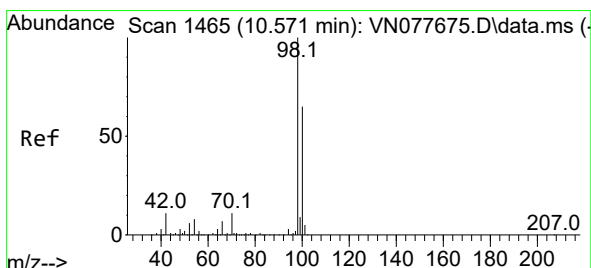
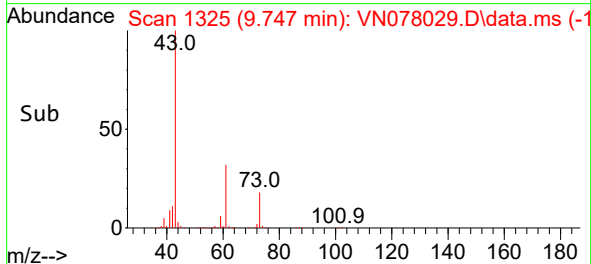
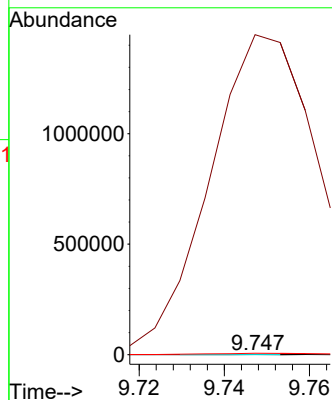
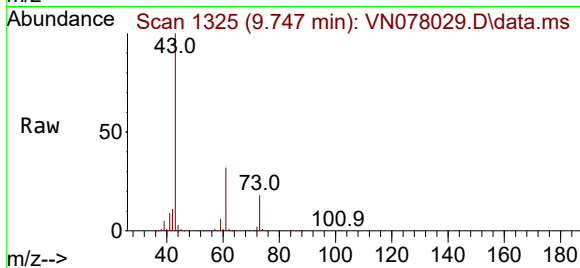
Tgt Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 1167984.0 17.0 25.6#

58 5499.6 47.0 70.4#



#50

Toluene-d8

Concen: 49.486 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078029.D

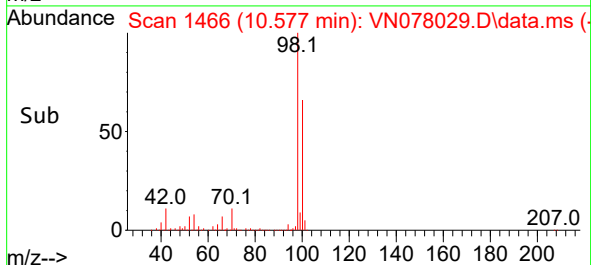
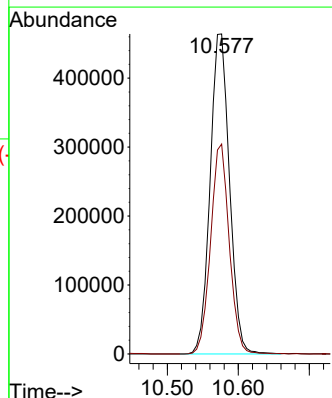
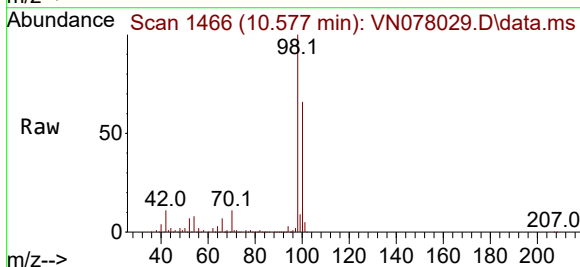
Acq: 02 Jun 2023 14:09

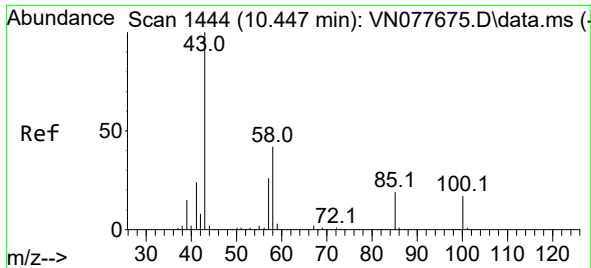
Tgt Ion: 98 Resp: 877748

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0

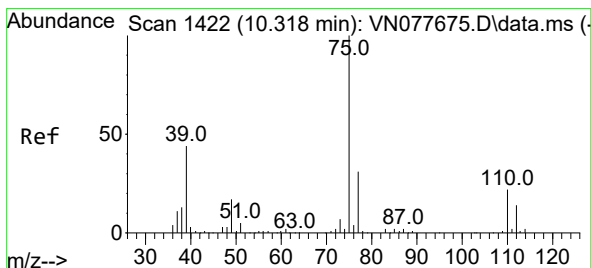
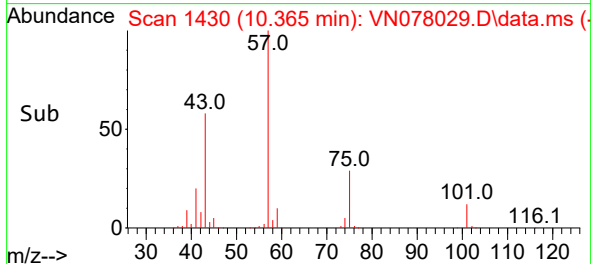
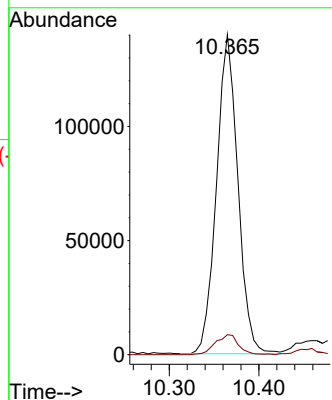
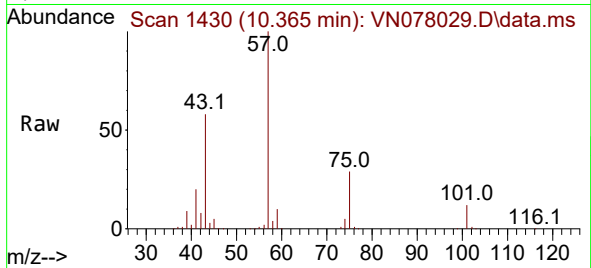




#51
4-Methyl-2-Pentanone
Concen: 39.655 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

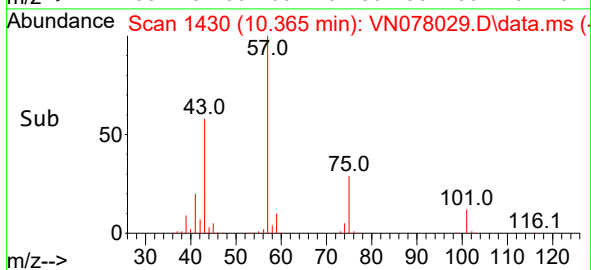
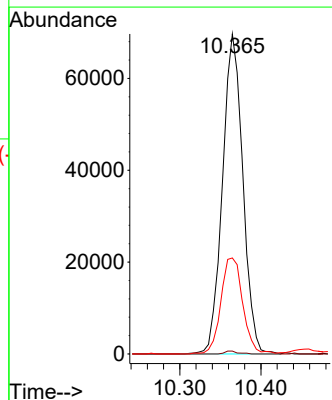
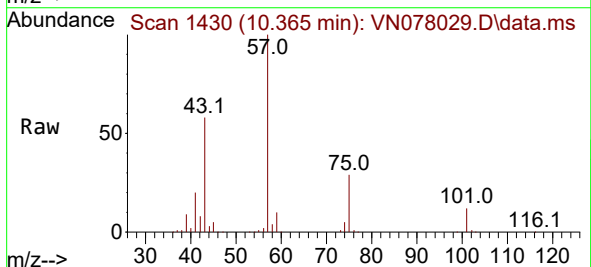
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

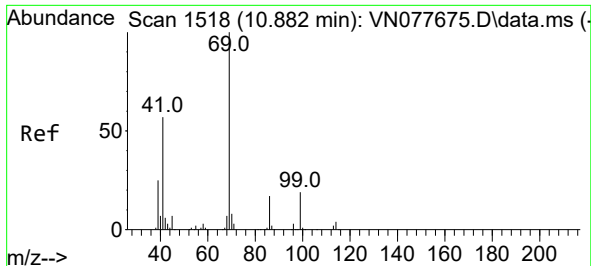
Tgt Ion: 43 Resp: 231300
Ion Ratio Lower Upper
43 100
58 6.8 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 14.987 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 75 Resp: 121556
Ion Ratio Lower Upper
75 100
77 0.9 26.1 39.1#
39 30.0 31.6 47.4#

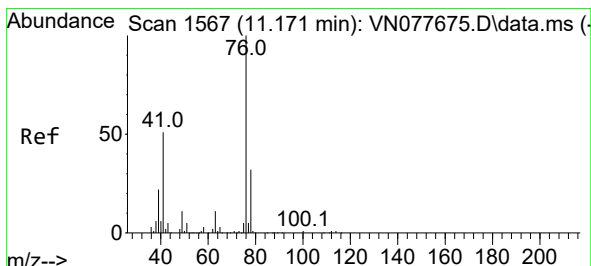
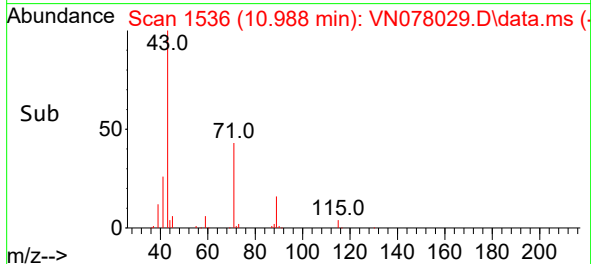
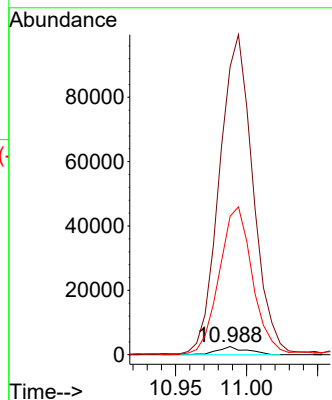
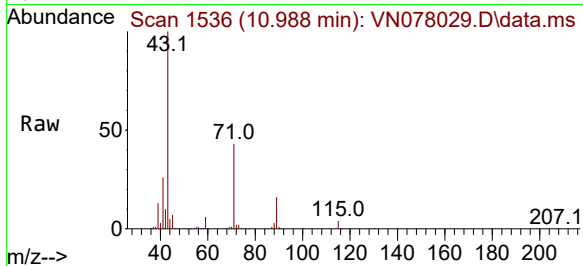




#56
Ethyl methacrylate
Concen: 0.478 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

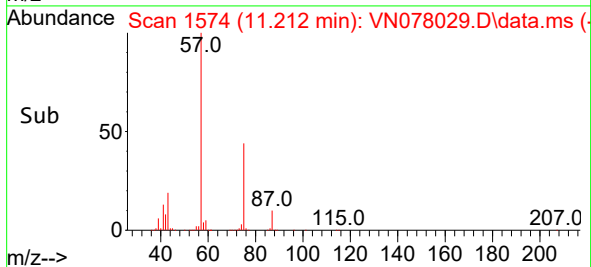
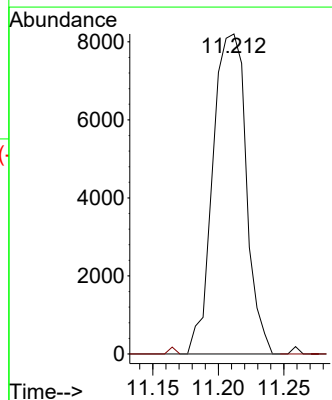
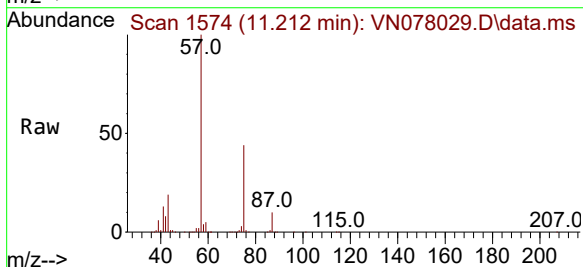
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

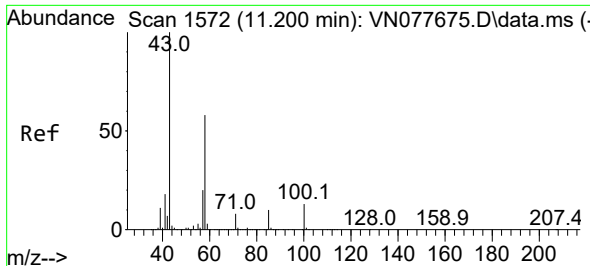
Tgt Ion: 69 Resp: 3553
Ion Ratio Lower Upper
69 100
41 4626.6 39.6 59.4#
39 2127.6 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.720 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 76 Resp: 14500
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

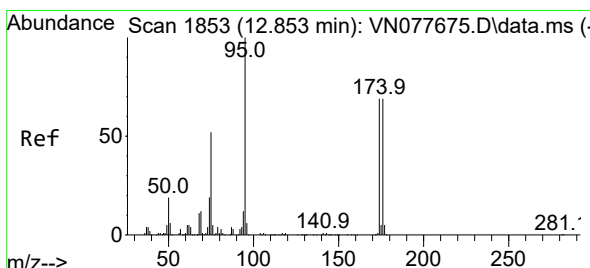
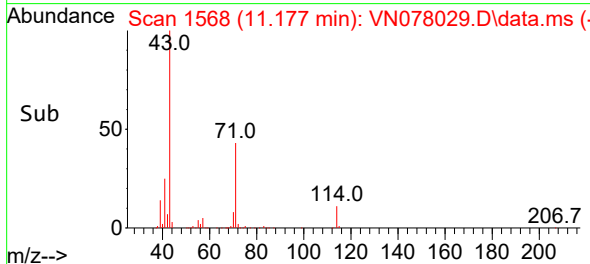
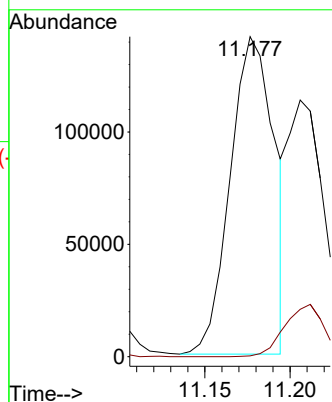
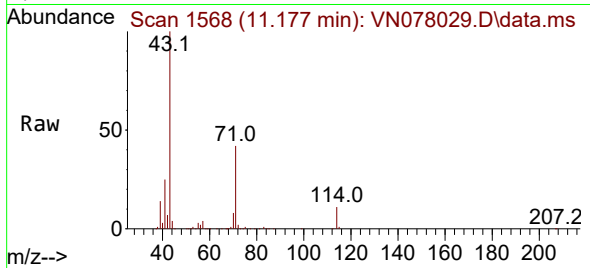




#59
2-Hexanone
Concen: 58.863 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

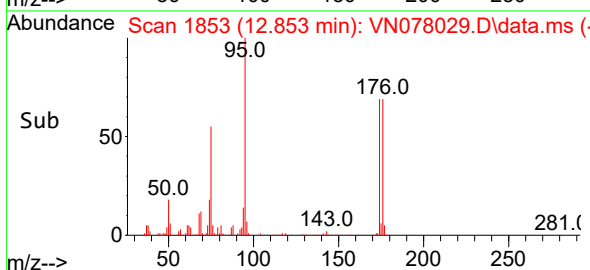
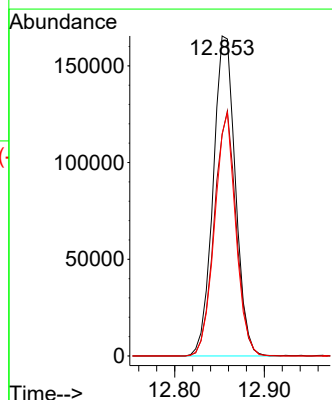
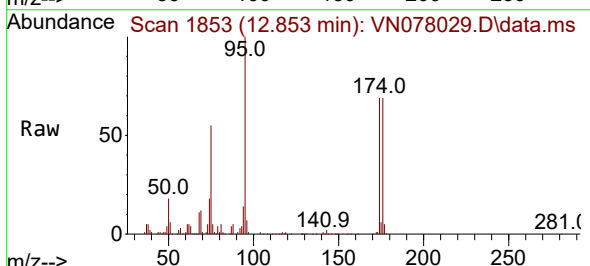
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

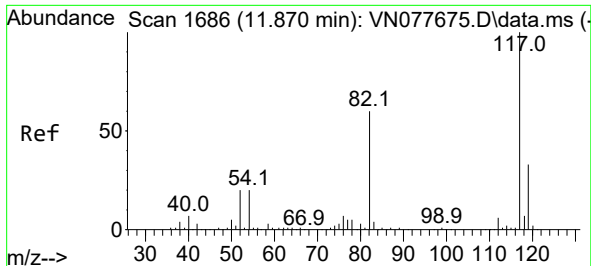
Tgt Ion: 43 Resp: 253951
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.456 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 95 Resp: 284757
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 72.2 0.0 135.8

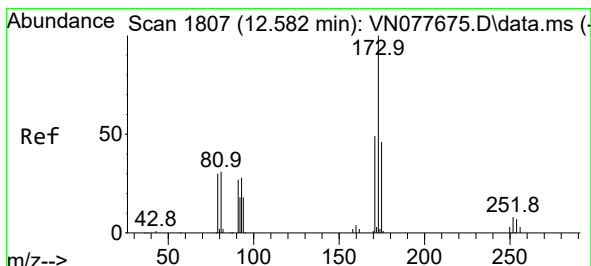
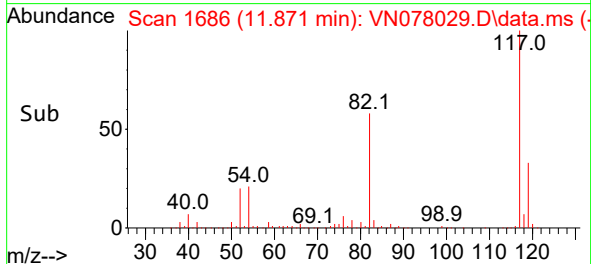
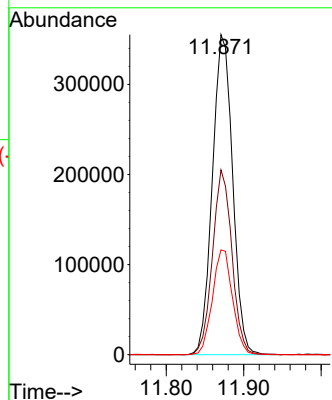
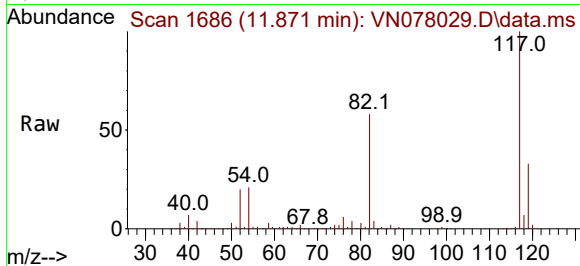




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

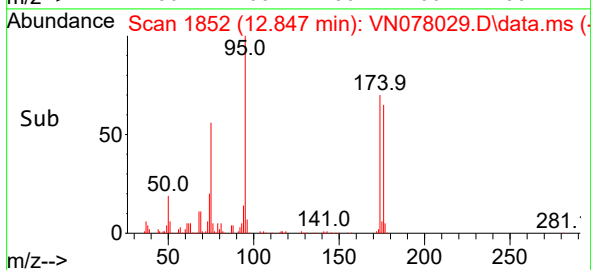
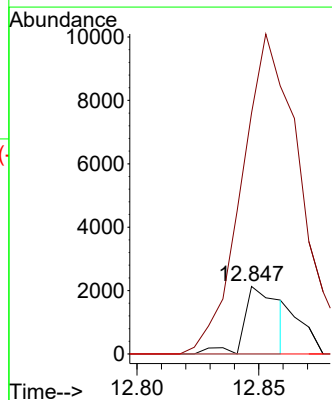
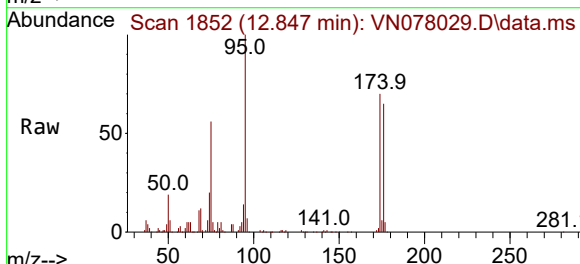
Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

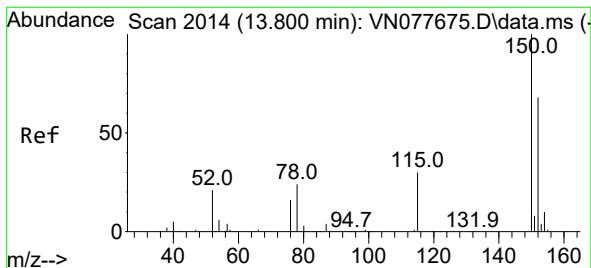
Tgt Ion:117 Resp: 644314
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.658 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion:173 Resp: 2114
Ion Ratio Lower Upper
173 100
175 559.6 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: VN078029.D

Acq: 02 Jun 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

TP-19-0A

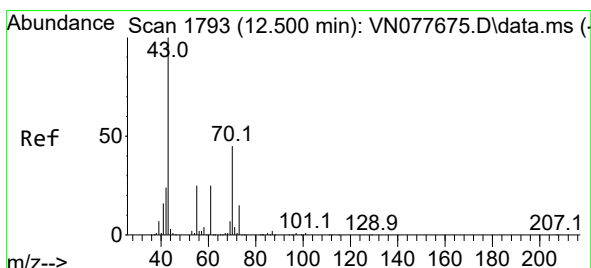
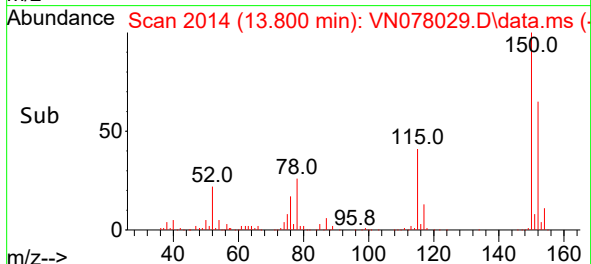
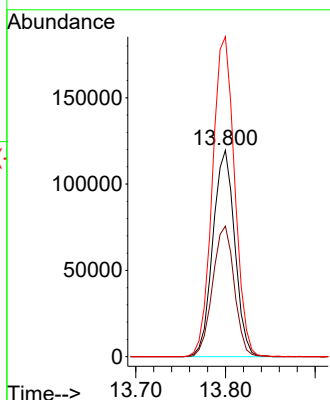
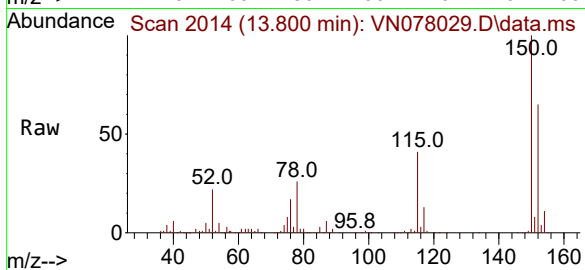
Tgt Ion:152 Resp: 202206

Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 157.9 0.0 355.8



#74

N-ethyl acetate

Concen: 0.458 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.006 min

Lab File: VN078029.D

Acq: 02 Jun 2023 14:09

Tgt Ion: 43 Resp: 2948

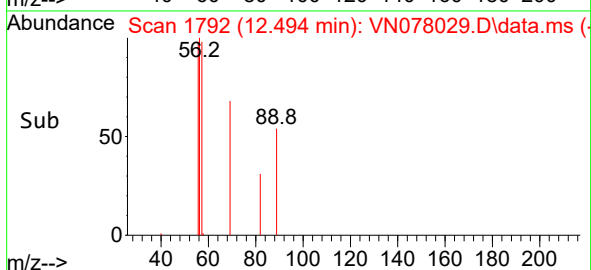
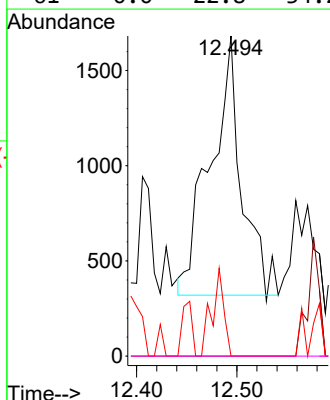
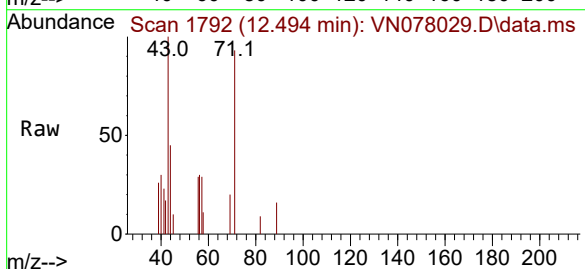
Ion Ratio Lower Upper

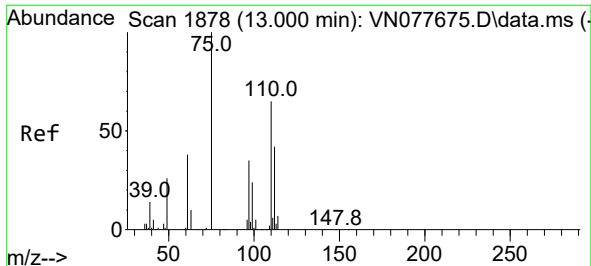
43 100

70 0.0 43.4 65.2#

55 13.1 21.4 32.0#

61 0.0 22.8 34.2#

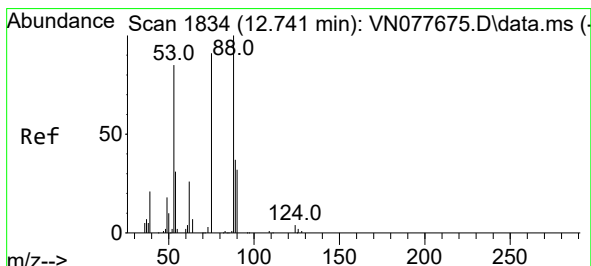
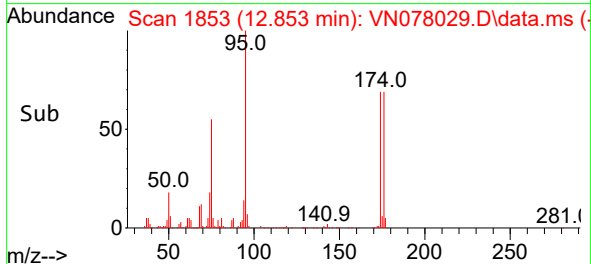
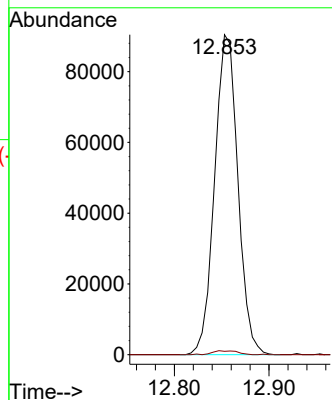
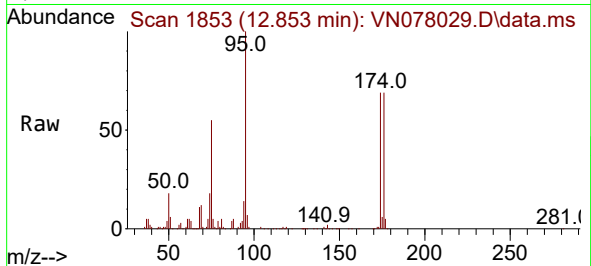




#76
1,2,3-Trichloropropane
Concen: 30.499 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Instrument :
MSVOA_N
ClientSampleId :
TP-19-0A

Tgt Ion: 75 Resp: 154448
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.492 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078029.D
Acq: 02 Jun 2023 14:09

Tgt Ion: 75 Resp: 154448
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

