

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078041.D
 Acq On : 05 Jun 2023 13:57
 Operator : JC\MD
 Sample : PB153198ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#02

Quant Time: Jun 06 02:00:58 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)

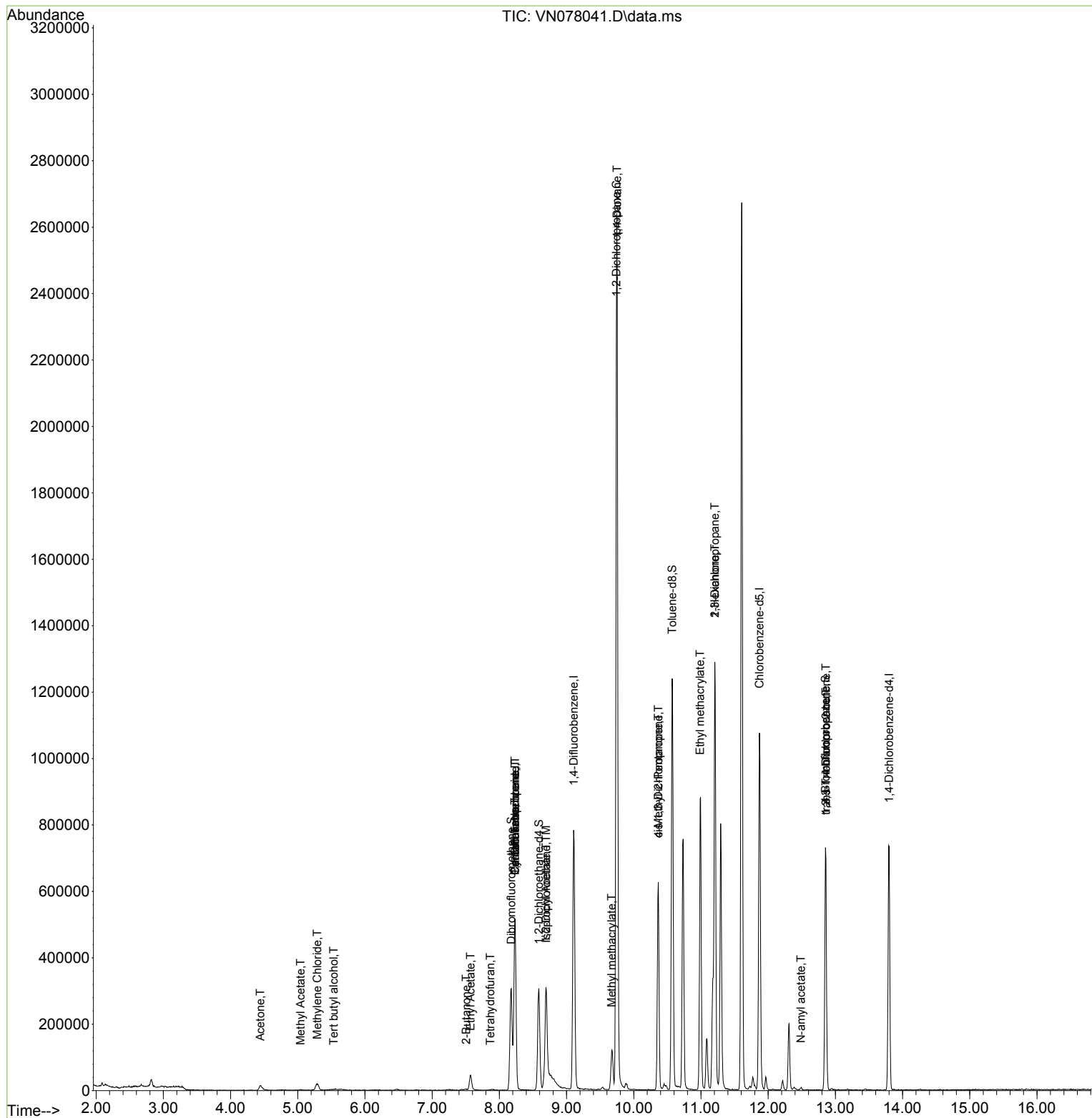
Internal Standards						
1) Pentafluorobenzene	8.235	168	381290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	713955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	646964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	208634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257139	45.072	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.140%
35) Dibromofluoromethane	8.177	113	225595	48.456	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.920%
50) Toluene-d8	10.571	98	888697	49.593	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.853	95	262138	41.419	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.840%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1609	Below Cal		89
11) Tert butyl alcohol	5.536	59	513	0.652	ug/l #	72
16) Acetone	4.442	43	26377	14.696	ug/l	97
18) Methyl Acetate	5.042	43	2887	0.383	ug/l #	63
20) Methylene Chloride	5.289	84	15300	1.353	ug/l #	89
25) 2-Butanone	7.506	43	5218	1.858	ug/l #	80
29) Tetrahydrofuran	7.865	42	1158	0.630	ug/l #	32
31) Cyclohexane	8.230	56	8332	1.075	ug/l #	2
36) 1,1-Dichloropropene	8.235	75	30510	4.480	ug/l #	48
37) Ethyl Acetate	7.571	43	66222	10.911	ug/l	96
38) Carbon Tetrachloride	8.235	117	40368	5.871	ug/l #	14
42) 1,2-Dichloroethane	8.694	62	1819	0.249	ug/l #	73
43) Isopropyl Acetate	8.694	43	454330	45.828	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	3611	0.705	ug/l #	45
48) Methyl methacrylate	9.671	41	7674	1.633	ug/l #	29
49) 1,4-Dioxane	9.753	88	382	4.303	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	219789	37.297	ug/l #	41
54) cis-1,3-Dichloropropene	10.365	75	121104	14.779	ug/l #	65
56) Ethyl methacrylate	10.988	69	3481	0.463	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	14594	1.714	ug/l #	43
59) 2-Hexanone	11.206	43	162952	37.385	ug/l #	49
74) N-amyl acetate	12.488	43	3733	0.562	ug/l #	37
76) 1,2,3-Trichloropropane	12.859	75	138095	26.430	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	138095	84.484	ug/l #	15

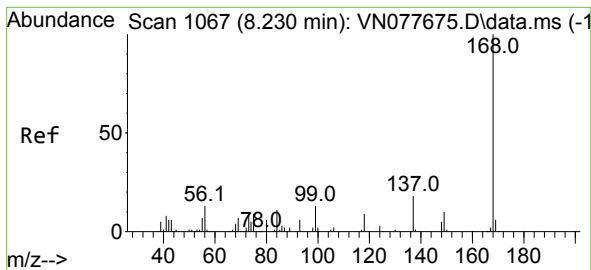
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
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Quant Time: Jun 06 02:00:58 2023
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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078041.D

Acq: 05 Jun 2023 13:57

Instrument :

MSVOA_N

ClientSampleId :

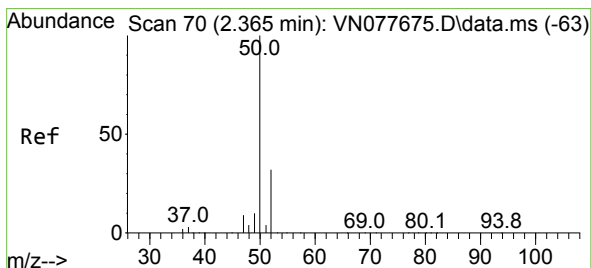
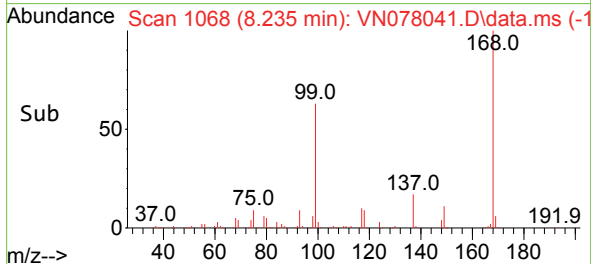
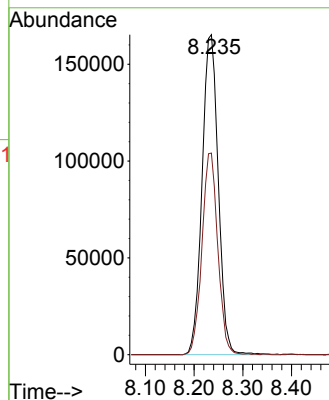
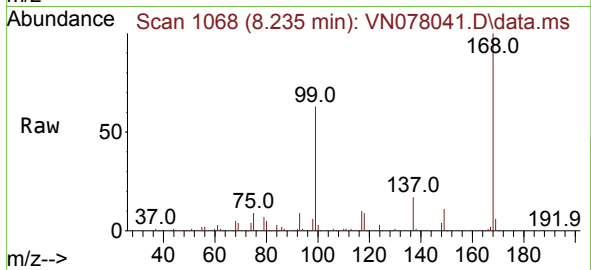
PB153198ZHE#02

Tgt Ion:168 Resp: 381290

Ion Ratio Lower Upper

168 100

99 63.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN078041.D

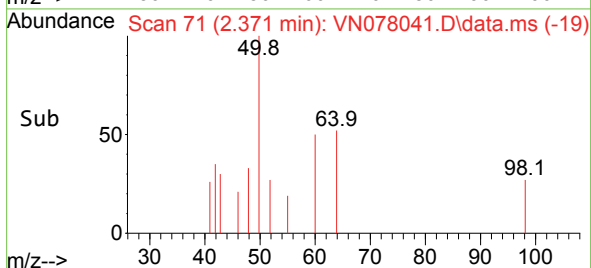
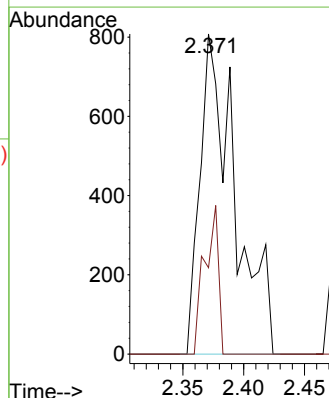
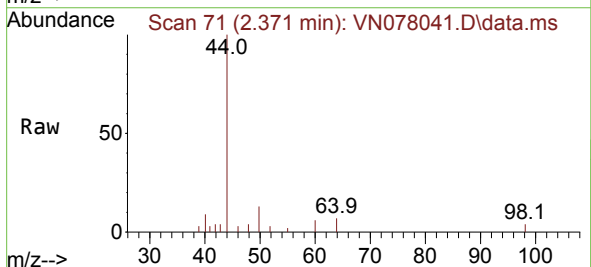
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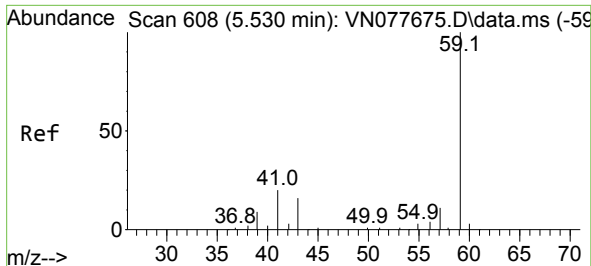
Tgt Ion: 50 Resp: 1609

Ion Ratio Lower Upper

50 100

52 27.0 26.5 39.7

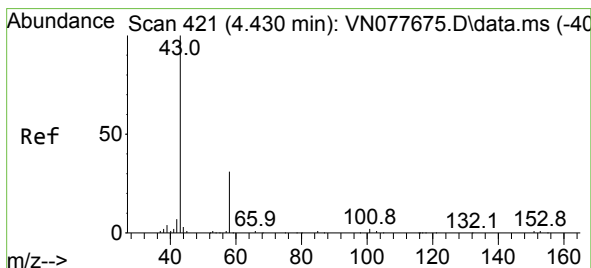
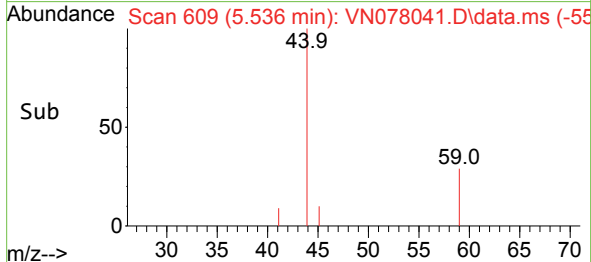
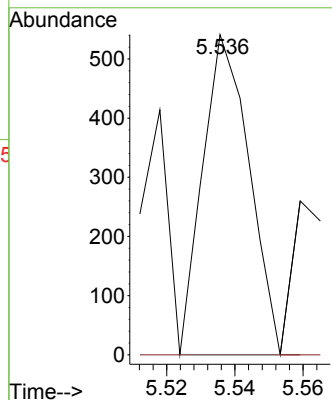
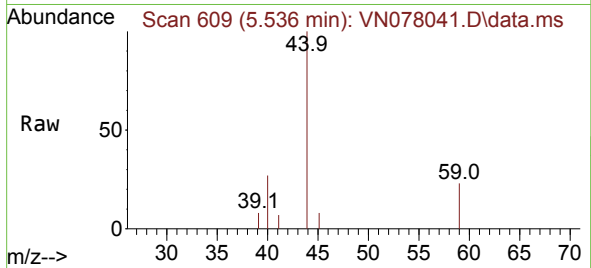




#11
Tert butyl alcohol
Concen: 0.652 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

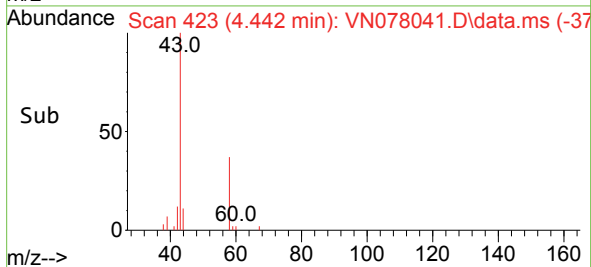
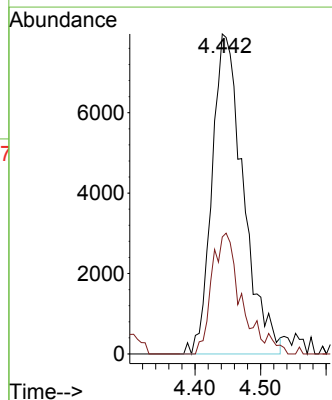
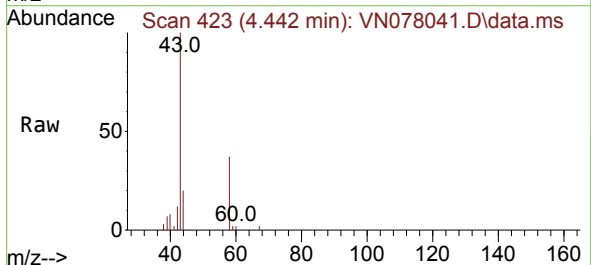
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

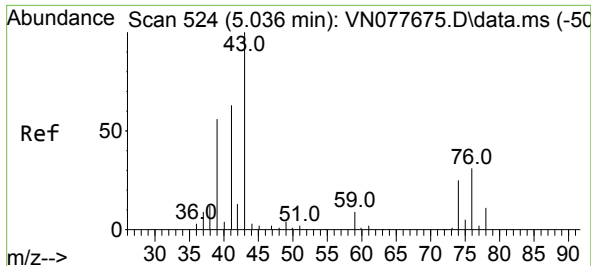
Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 14.696 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 43 Resp: 26377
Ion Ratio Lower Upper
43 100
58 36.6 28.0 42.0

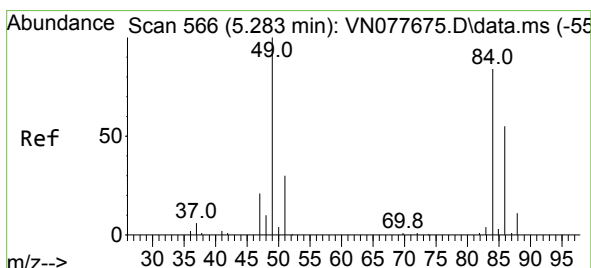
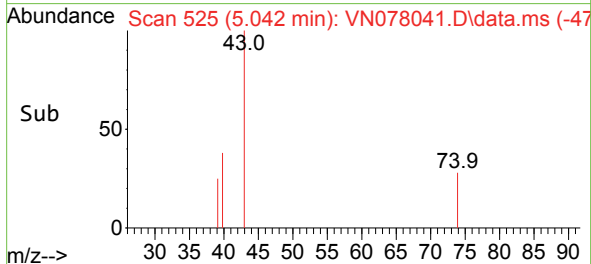
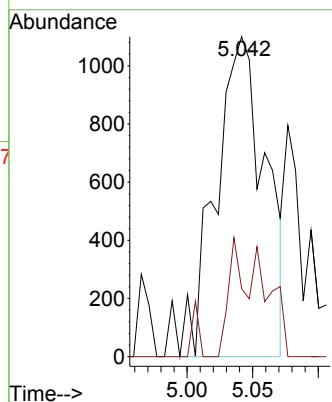
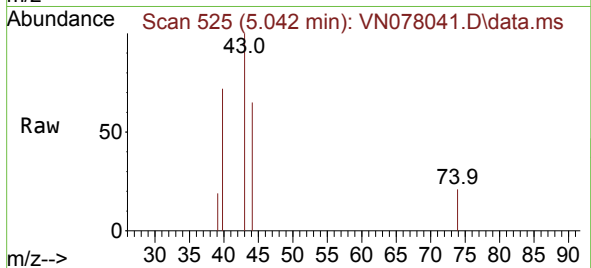




#18
Methyl Acetate
Concen: 0.383 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

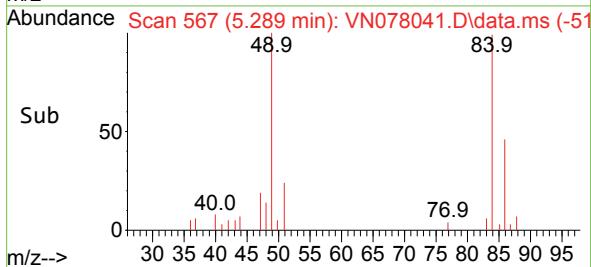
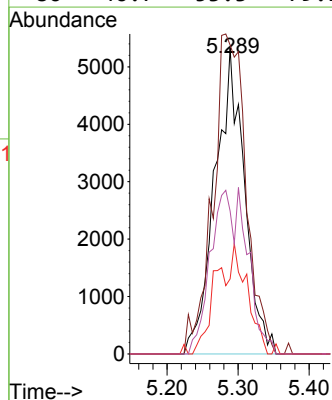
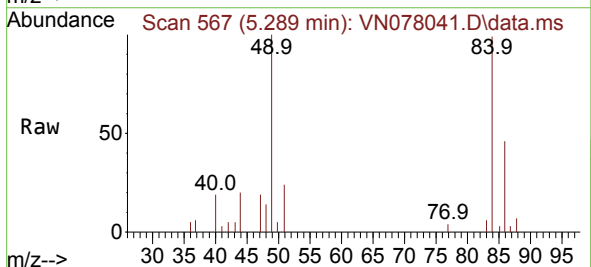
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

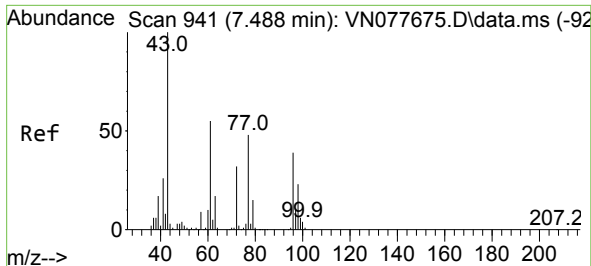
Tgt Ion: 43 Resp: 2887
Ion Ratio Lower Upper
43 100
74 12.2 26.2 39.4#



#20
Methylene Chloride
Concen: 1.353 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 84 Resp: 15300
Ion Ratio Lower Upper
84 100
49 100.9 79.7 119.5
51 24.5 25.2 37.8#
86 46.7 53.3 79.9#

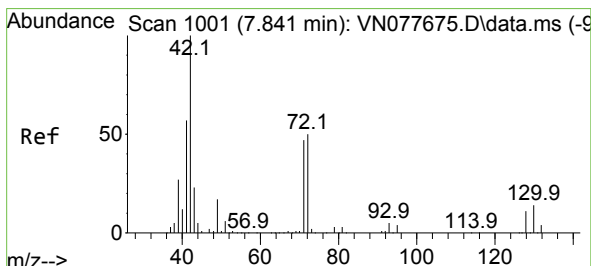
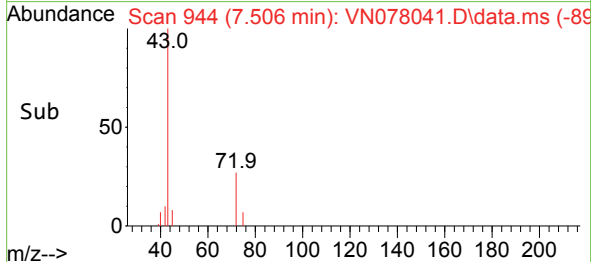
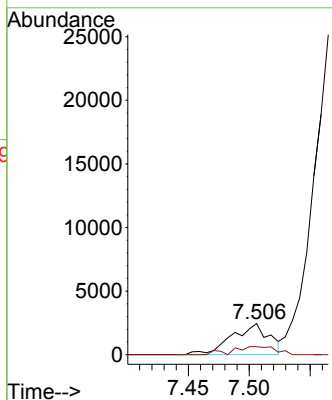
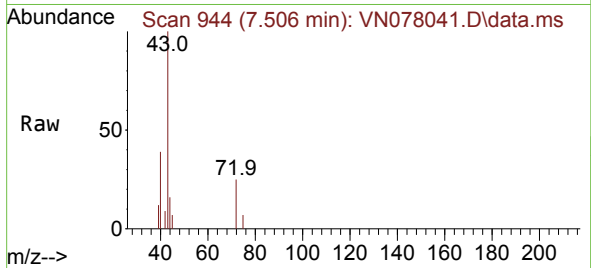




#25
2-Butanone
Concen: 1.858 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

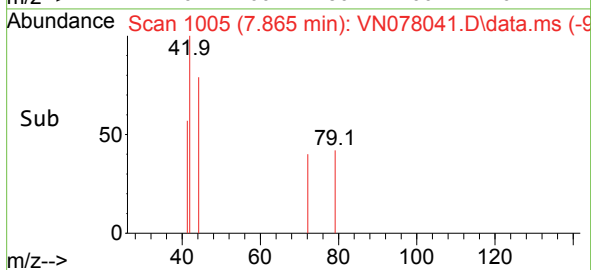
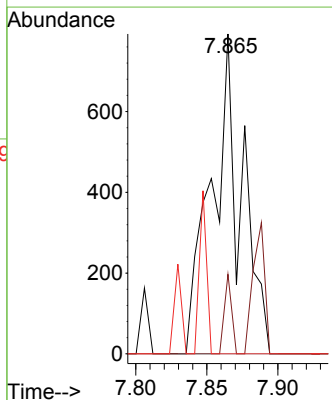
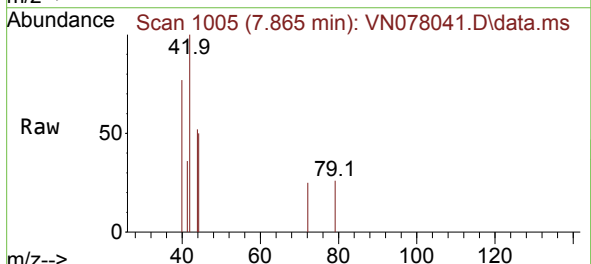
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

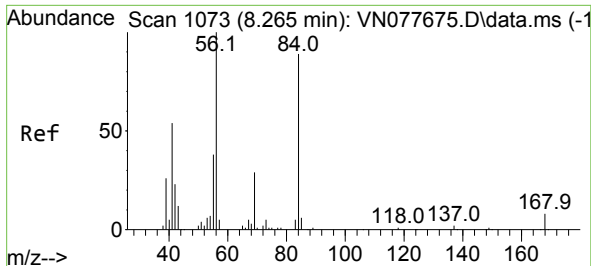
Tgt Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
72 25.5 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.630 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

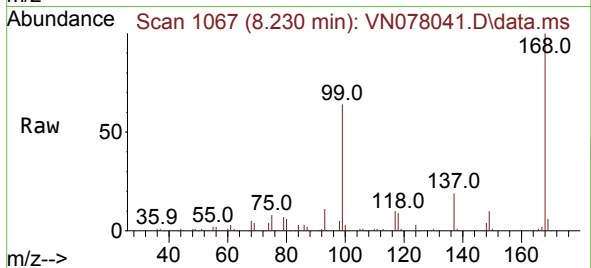
Tgt Ion: 42 Resp: 1158
Ion Ratio Lower Upper
42 100
72 6.0 49.8 74.6#
71 12.3 47.4 71.2#



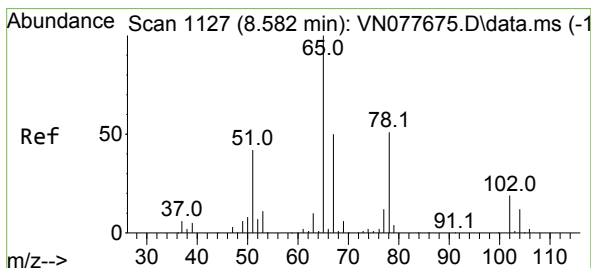
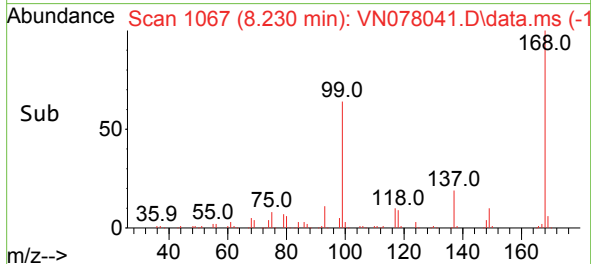
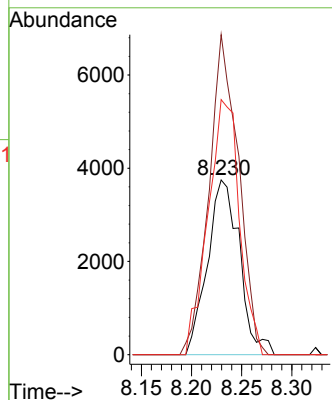


#31
Cyclohexane
Concen: 1.075 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

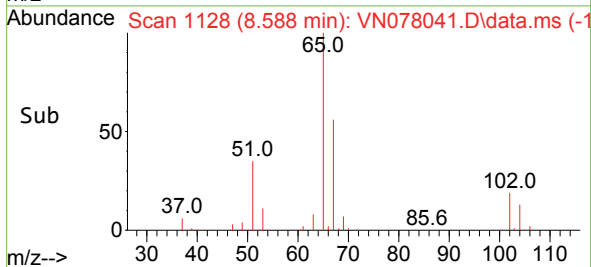
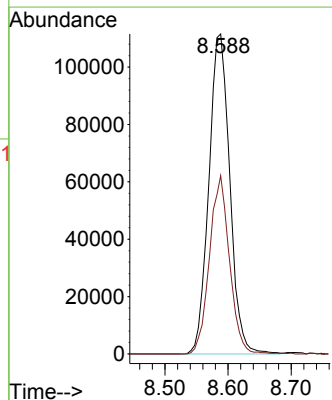
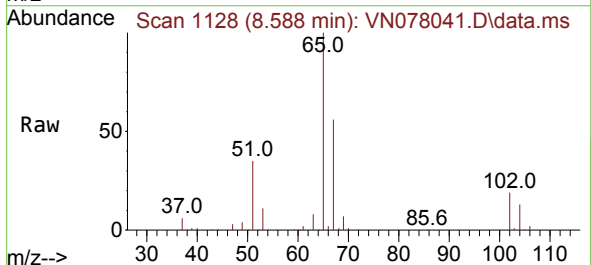


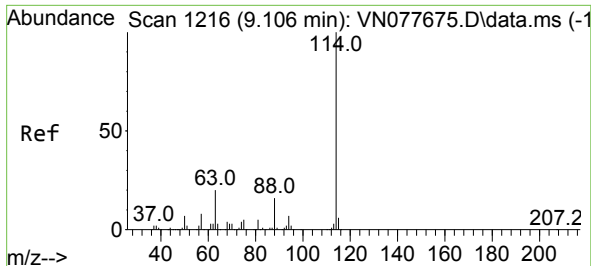
Tgt Ion: 56 Resp: 8332
Ion Ratio Lower Upper
56 100
69 183.2 26.8 40.2#
84 146.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.072 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 65 Resp: 257139
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.6

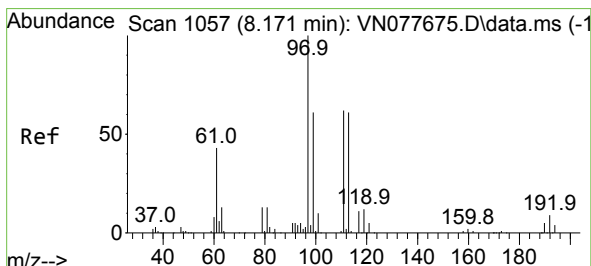
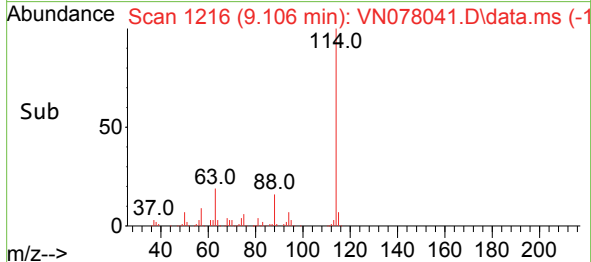
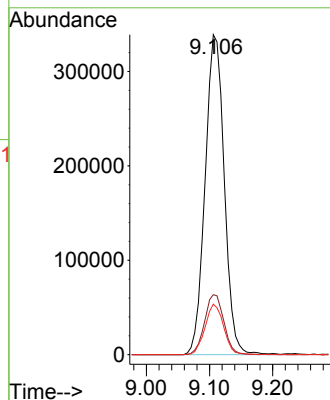
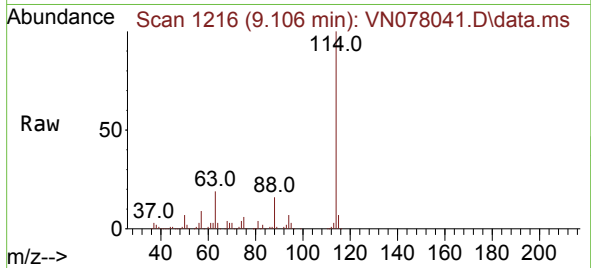




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

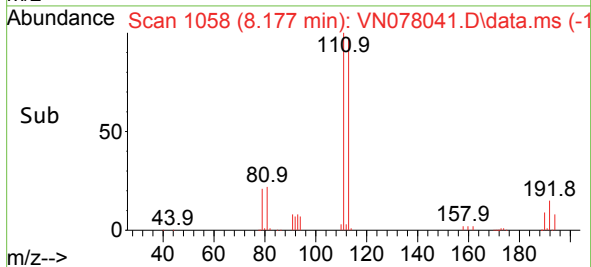
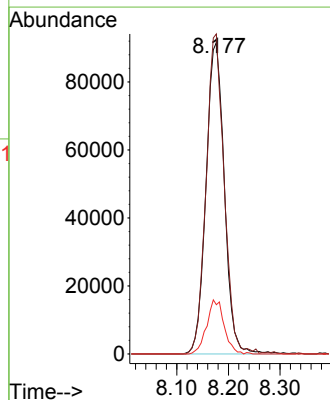
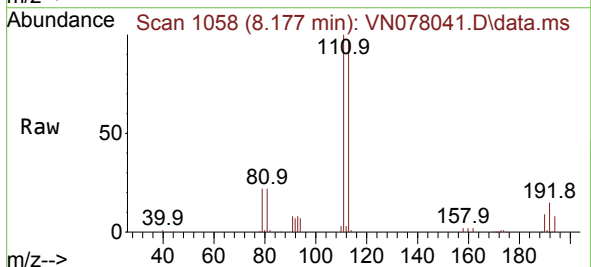
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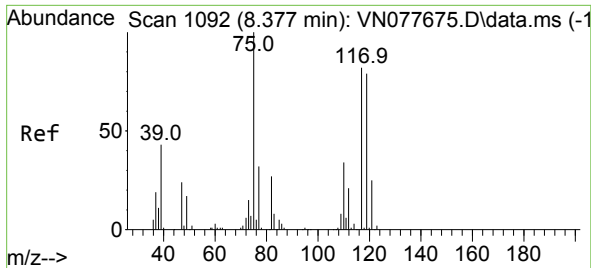
Tgt Ion:114 Resp: 713955
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.456 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion:113 Resp: 225595
Ion Ratio Lower Upper
113 100
111 101.0 82.6 123.8
192 16.6 12.7 19.1

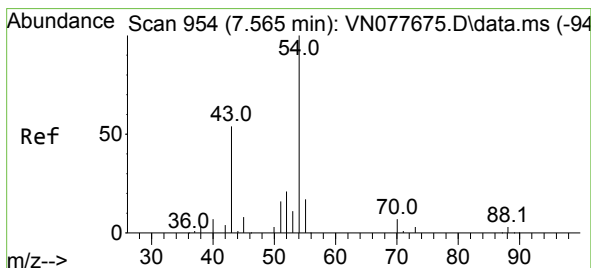
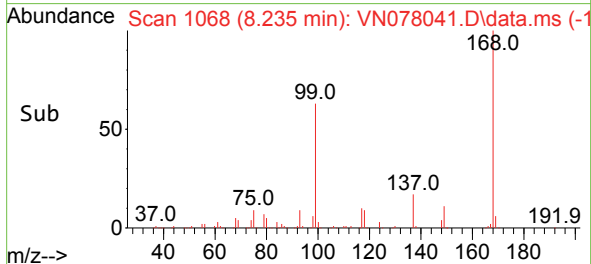
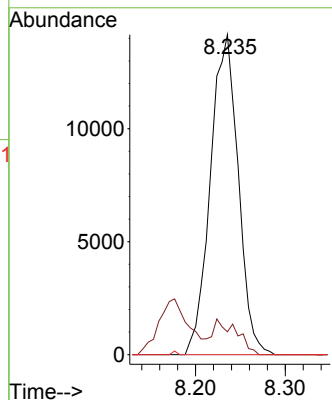
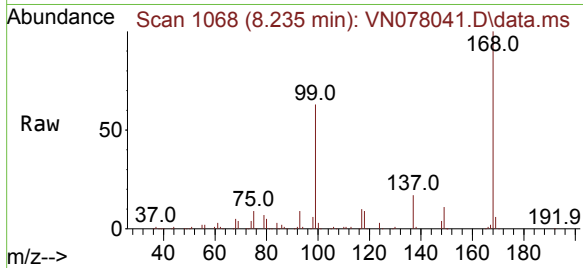




#36
1,1-Dichloropropene
Concen: 4.480 ug/l
RT: 8.235 min Scan# 1092
Delta R.T. -0.142 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

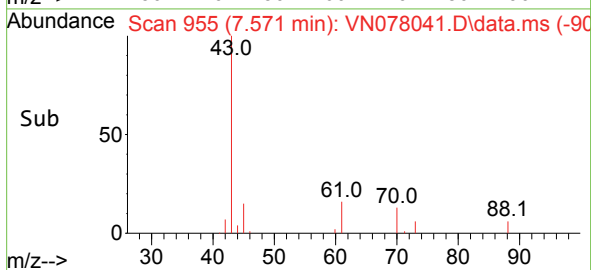
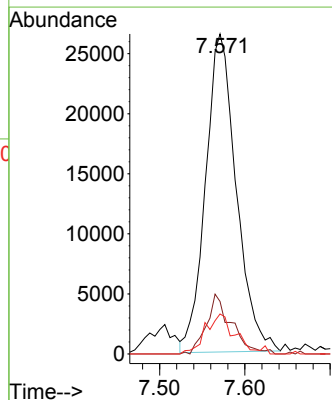
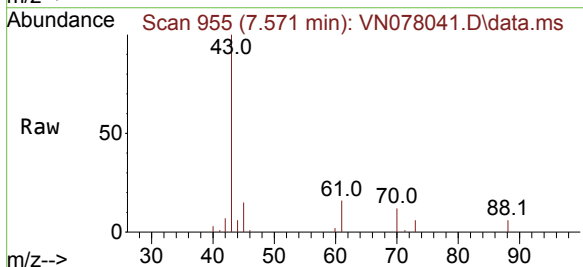
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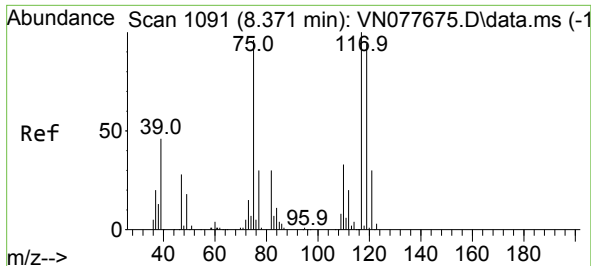
Tgt Ion: 75 Resp: 30510
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.911 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

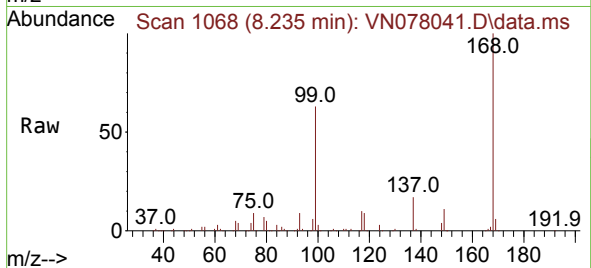
Tgt Ion: 43 Resp: 66222
Ion Ratio Lower Upper
43 100
61 15.4 13.2 19.8
70 12.0 11.3 16.9



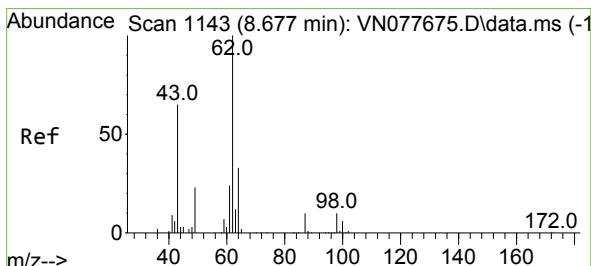
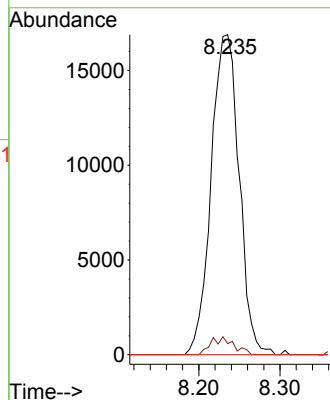
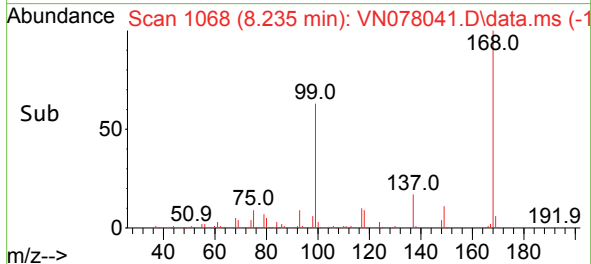


#38
Carbon Tetrachloride
Concen: 5.871 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

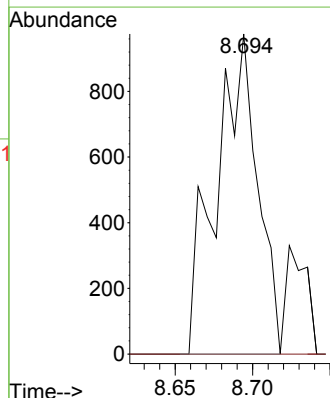
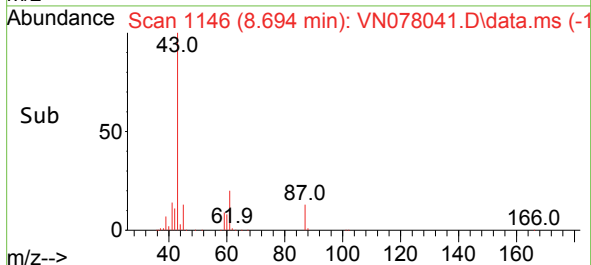
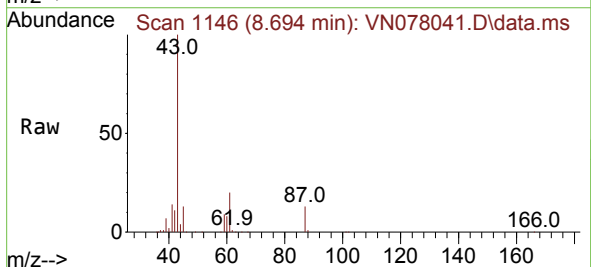


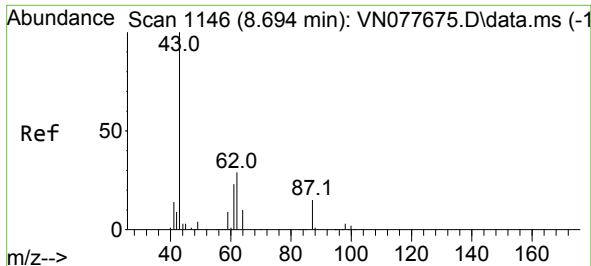
Tgt Ion:117 Resp: 40368
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.249 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 62 Resp: 1819
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

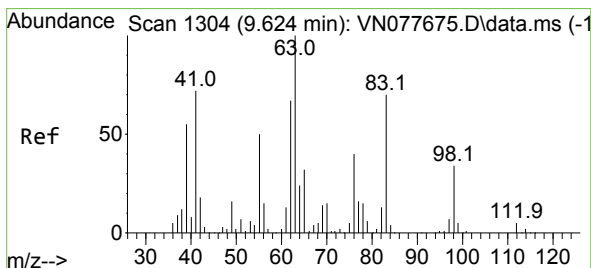
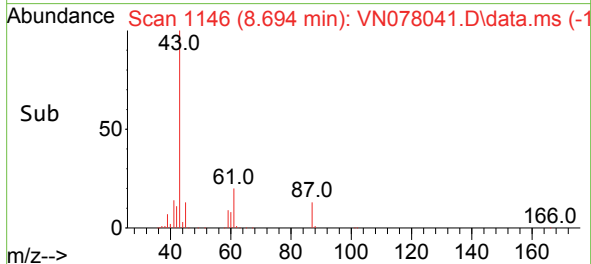
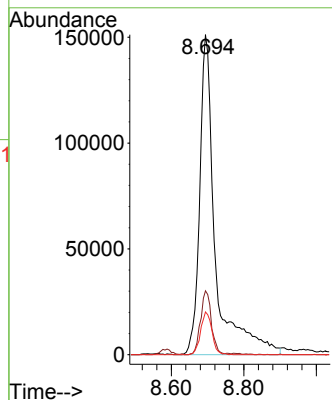
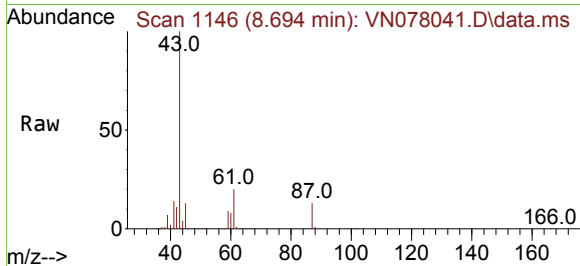




#43
Isopropyl Acetate
Concen: 45.828 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

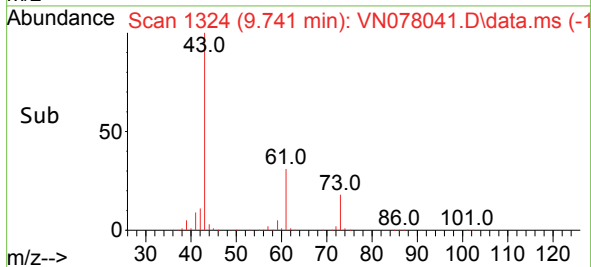
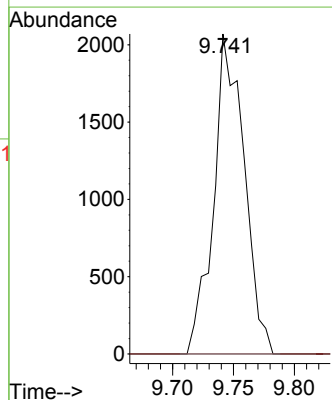
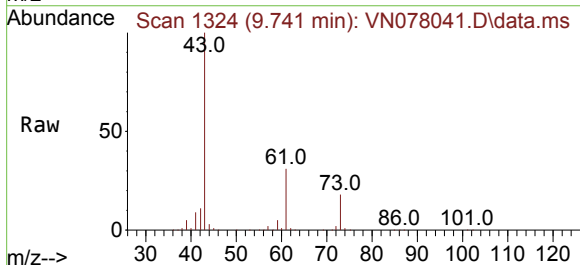
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

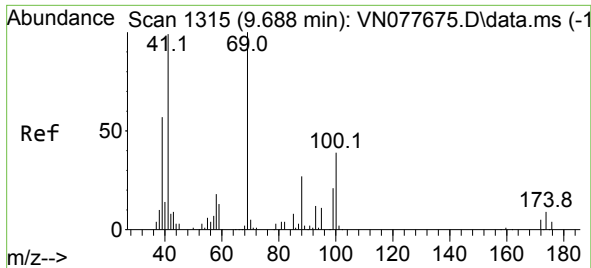
Tgt Ion: 43 Resp: 454330
Ion Ratio Lower Upper
43 100
61 13.8 24.7 37.1#
87 9.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.705 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 63 Resp: 3611
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

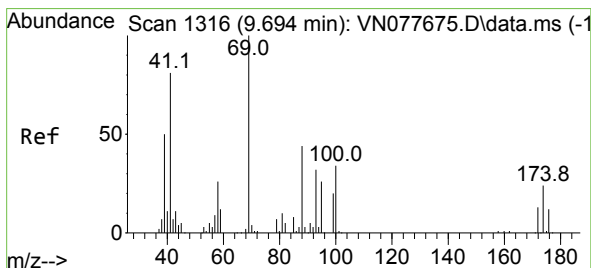
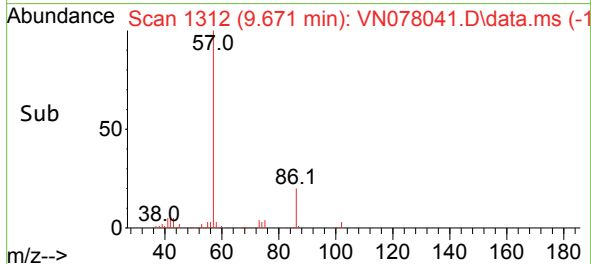
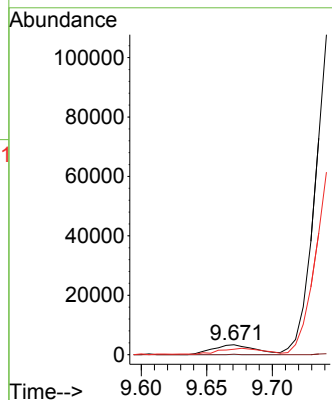
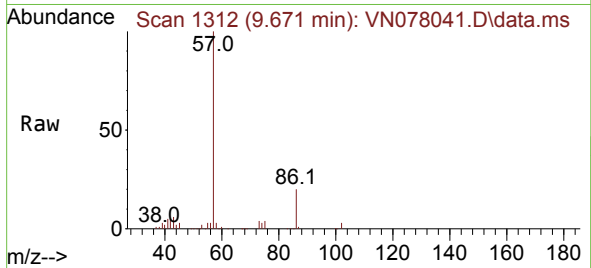




#48
Methyl methacrylate
Concen: 1.633 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

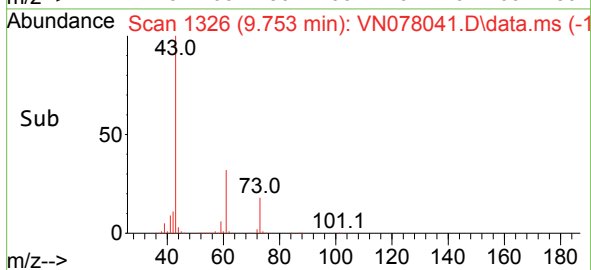
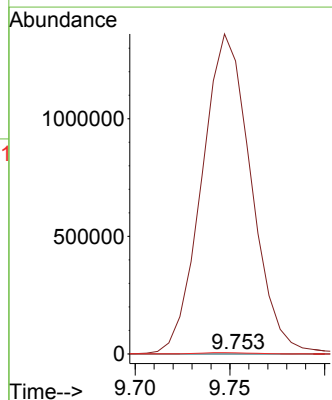
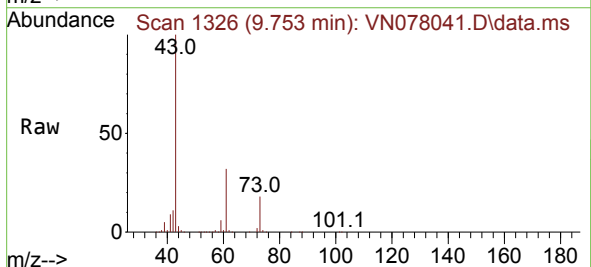
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

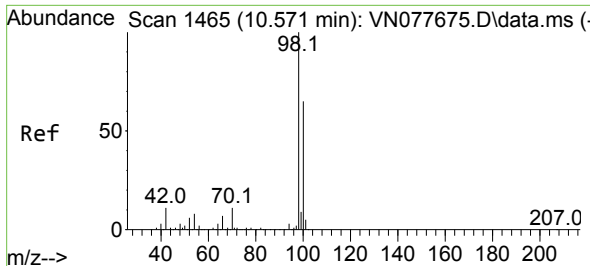
Tgt Ion: 41 Resp: 7674
Ion Ratio Lower Upper
41 100
69 0.8 90.4 135.6#
39 55.1 54.6 81.8



#49
1,4-Dioxane
Concen: 4.303 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 88 Resp: 382
Ion Ratio Lower Upper
88 100
43 650405.2 17.0 25.6#
58 2962.3 47.0 70.4#

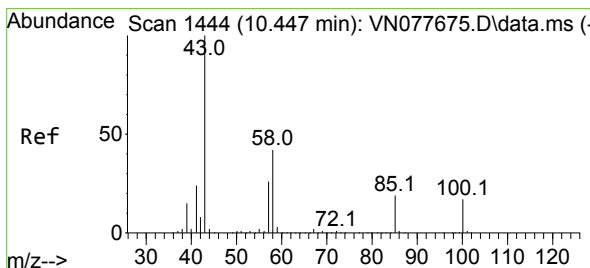
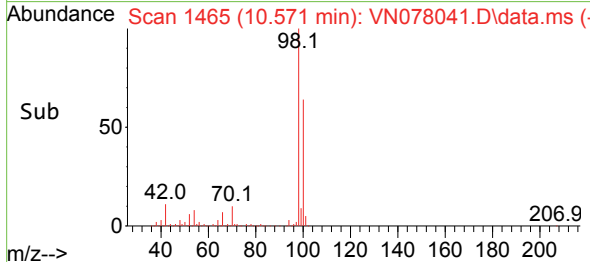
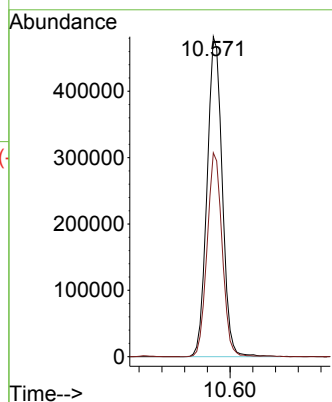
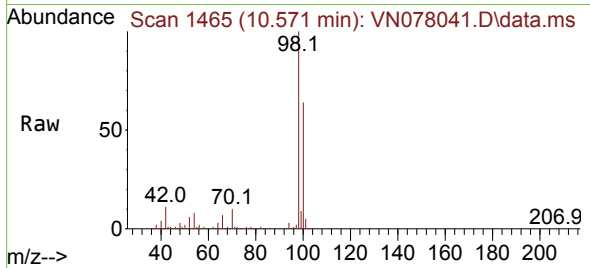




#50
Toluene-d8
Concen: 49.593 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

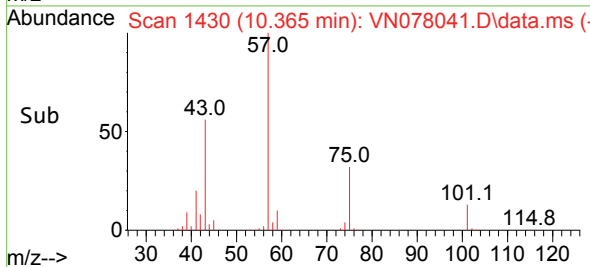
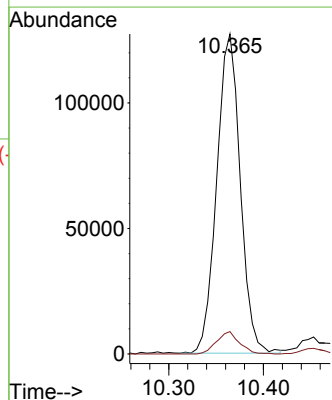
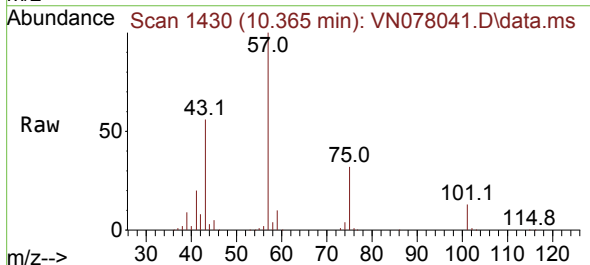
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

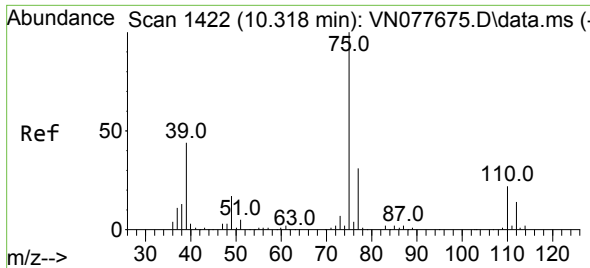
Tgt Ion: 98 Resp: 888697
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 37.297 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 43 Resp: 219789
Ion Ratio Lower Upper
43 100
58 6.8 36.6 54.8#

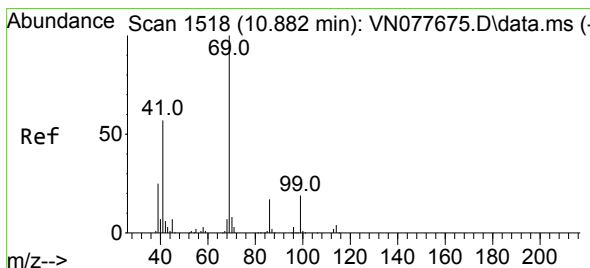
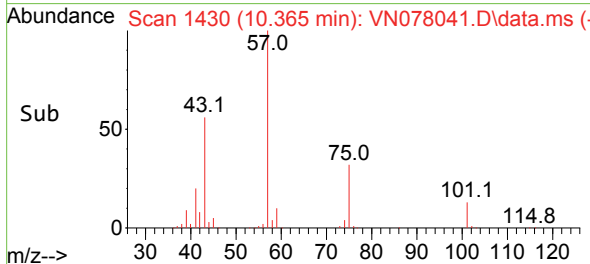
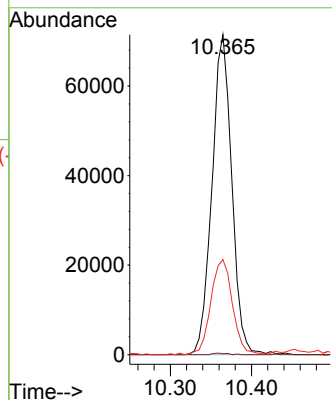
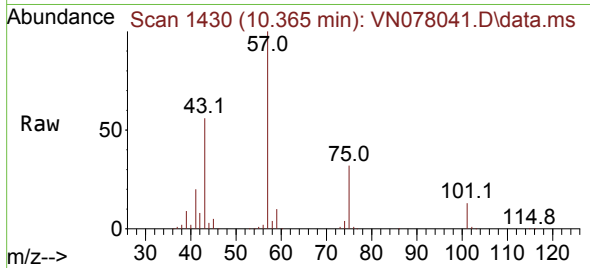




#54
 cis-1,3-Dichloropropene
 Concen: 14.779 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078041.D
 Acq: 05 Jun 2023 13:57

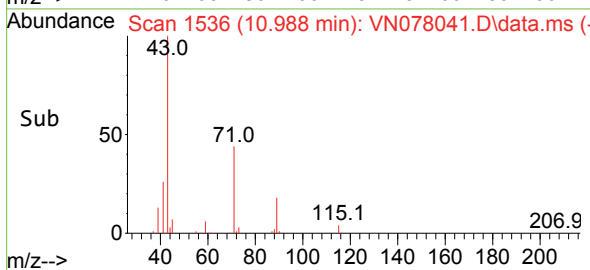
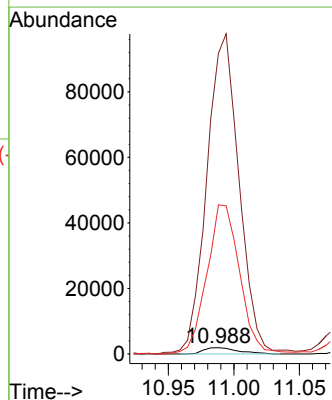
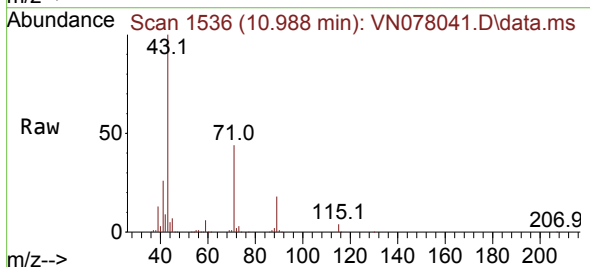
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#02

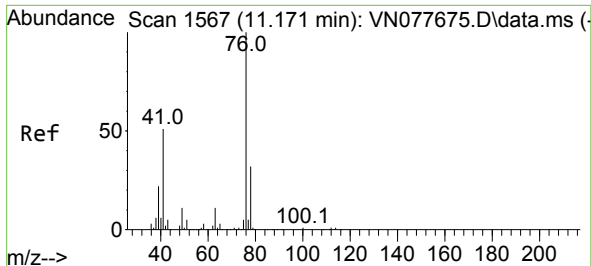
Tgt Ion: 75 Resp: 121104
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.1 39.1#
 39 29.3 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.463 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN078041.D
 Acq: 05 Jun 2023 13:57

Tgt Ion: 69 Resp: 3481
 Ion Ratio Lower Upper
 69 100
 41 4815.4 39.6 59.4#
 39 2276.1 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.714 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078041.D

Acq: 05 Jun 2023 13:57

Instrument :

MSVOA_N

ClientSampleId :

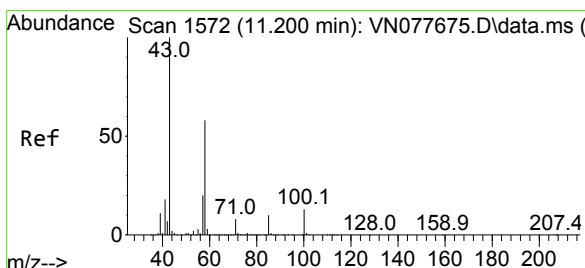
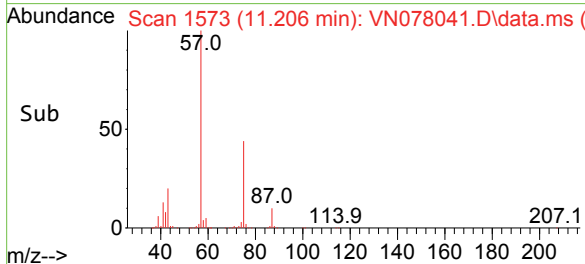
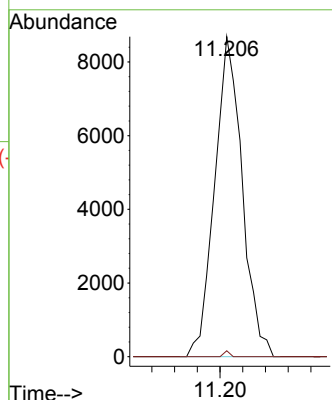
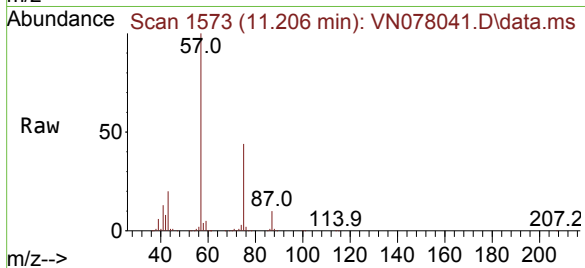
PB153198ZHE#02

Tgt Ion: 76 Resp: 14594

Ion Ratio Lower Upper

76 100

78 0.4 26.1 39.1#



#59

2-Hexanone

Concen: 37.385 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN078041.D

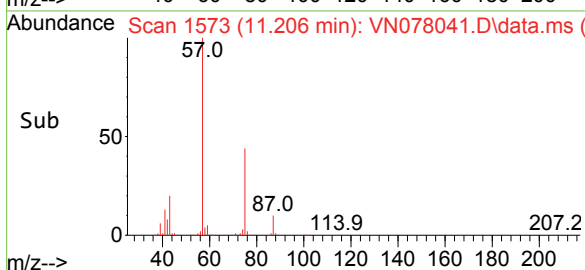
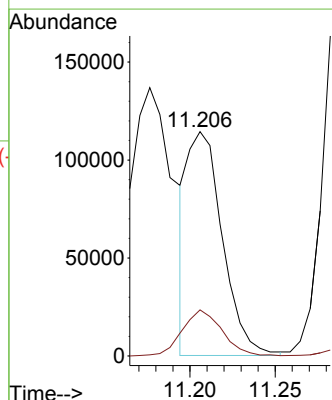
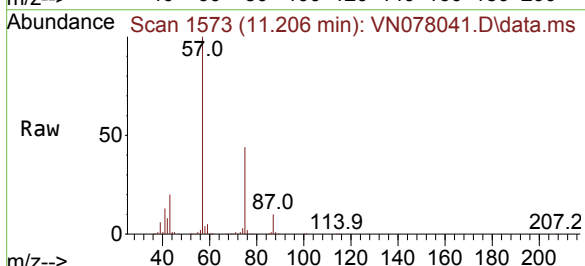
Acq: 05 Jun 2023 13:57

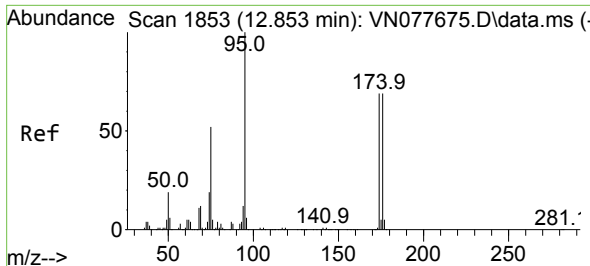
Tgt Ion: 43 Resp: 162952

Ion Ratio Lower Upper

43 100

58 23.6 31.7 95.1#

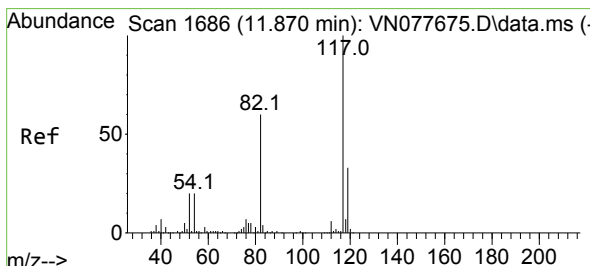
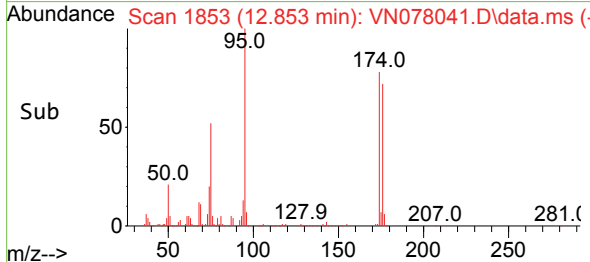
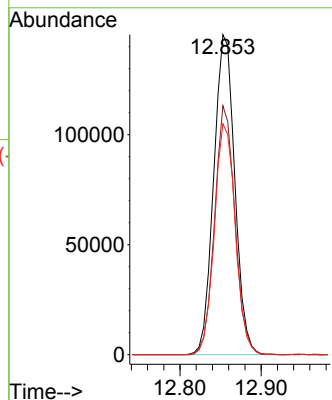
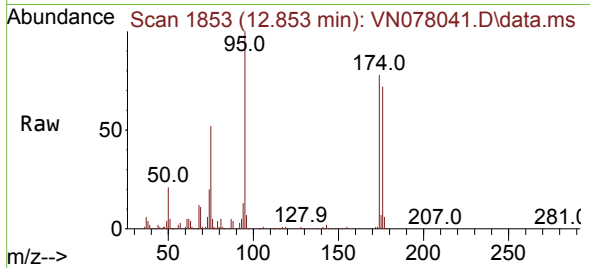




#62
4-Bromofluorobenzene
Concen: 41.419 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

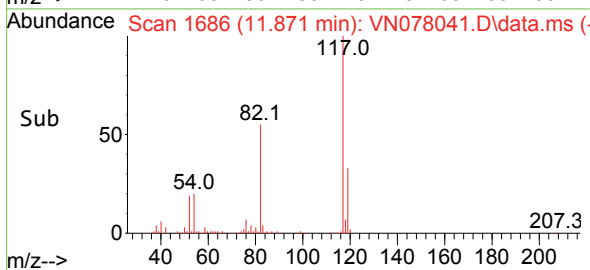
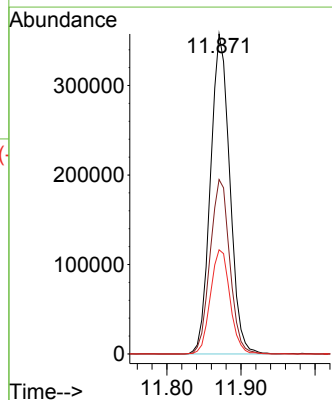
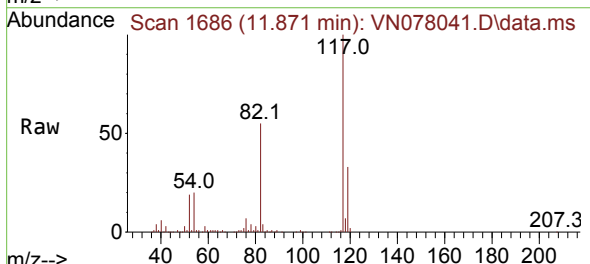
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#02

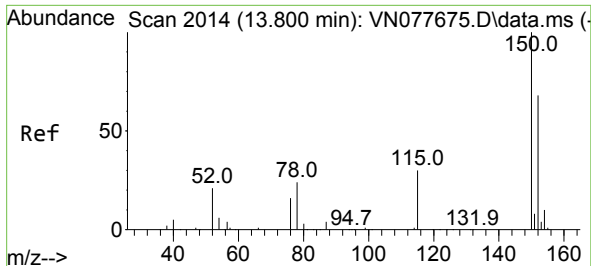
Tgt Ion: 95 Resp: 262138
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 71.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN078041.D
Acq: 05 Jun 2023 13:57

Tgt Ion: 117 Resp: 646964
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 32.6 25.6 38.4

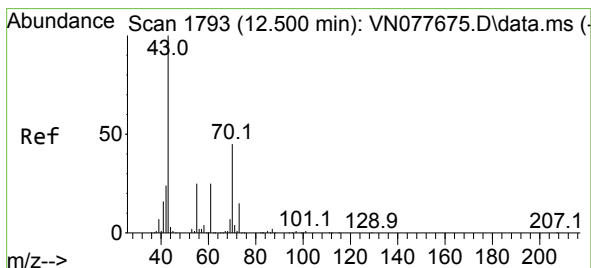
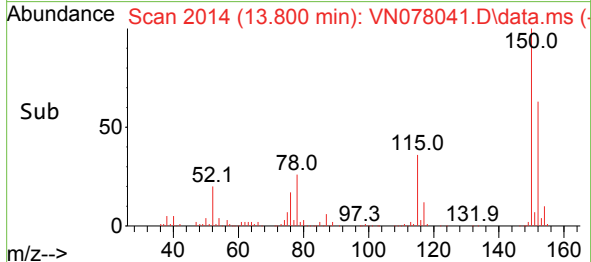
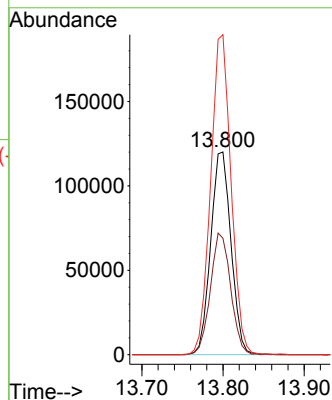
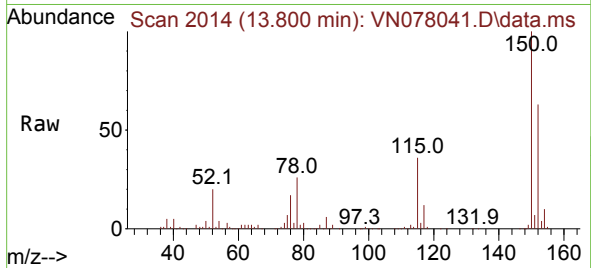




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078041.D
 Acq: 05 Jun 2023 13:57

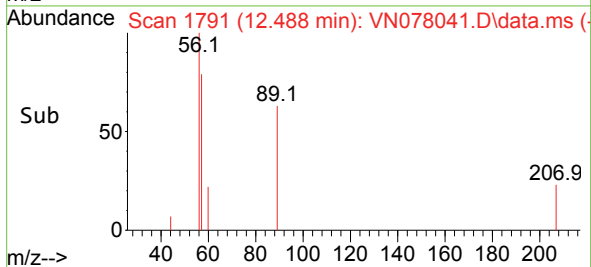
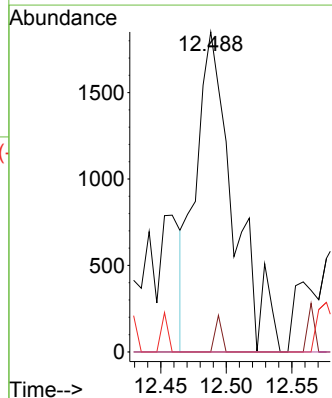
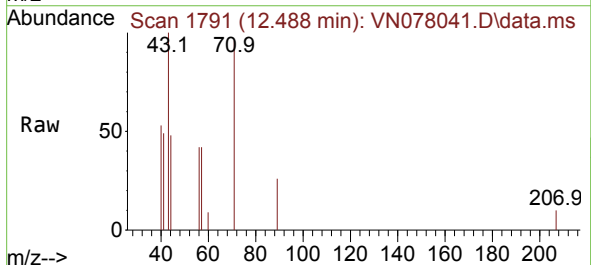
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#02

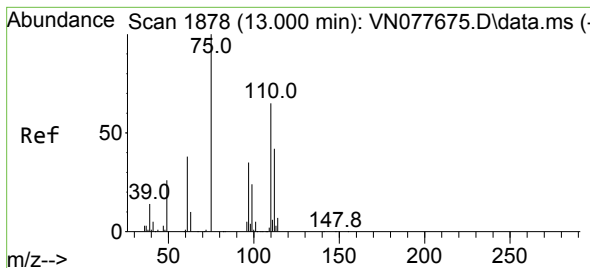
Tgt Ion:152 Resp: 208634
 Ion Ratio Lower Upper
 152 100
 115 60.0 32.3 96.8
 150 158.7 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.562 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN078041.D
 Acq: 05 Jun 2023 13:57

Tgt Ion: 43 Resp: 3733
 Ion Ratio Lower Upper
 43 100
 70 2.0 43.4 65.2#
 55 0.0 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 26.430 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078041.D

Acq: 05 Jun 2023 13:57

Instrument :

MSVOA_N

ClientSampleId :

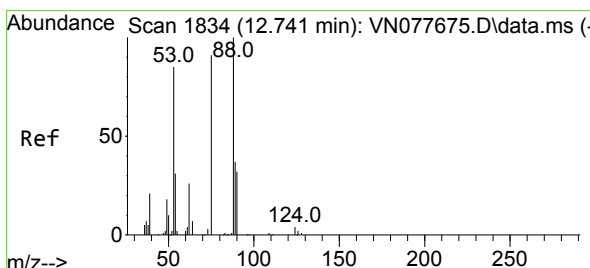
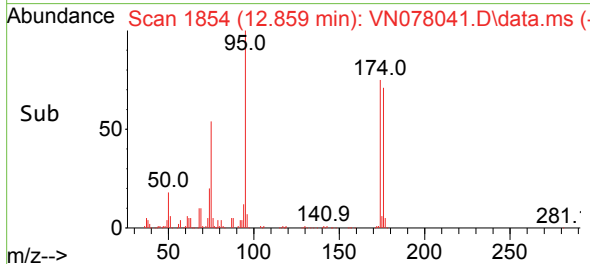
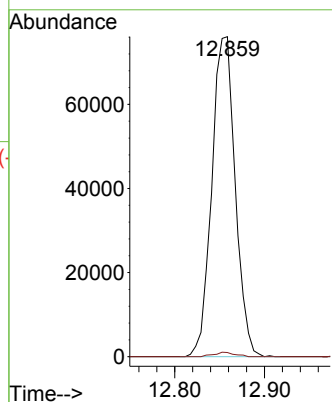
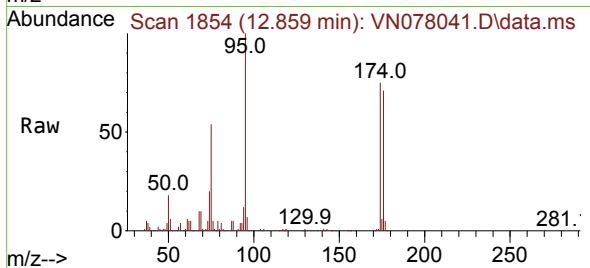
PB153198ZHE#02

Tgt Ion: 75 Resp: 138095

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.484 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078041.D

Acq: 05 Jun 2023 13:57

Tgt Ion: 75 Resp: 138095

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

