

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078052.D
 Acq On : 05 Jun 2023 18:21
 Operator : JC\MD
 Sample : 03018-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 362

Quant Time: Jun 06 02:05:41 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)

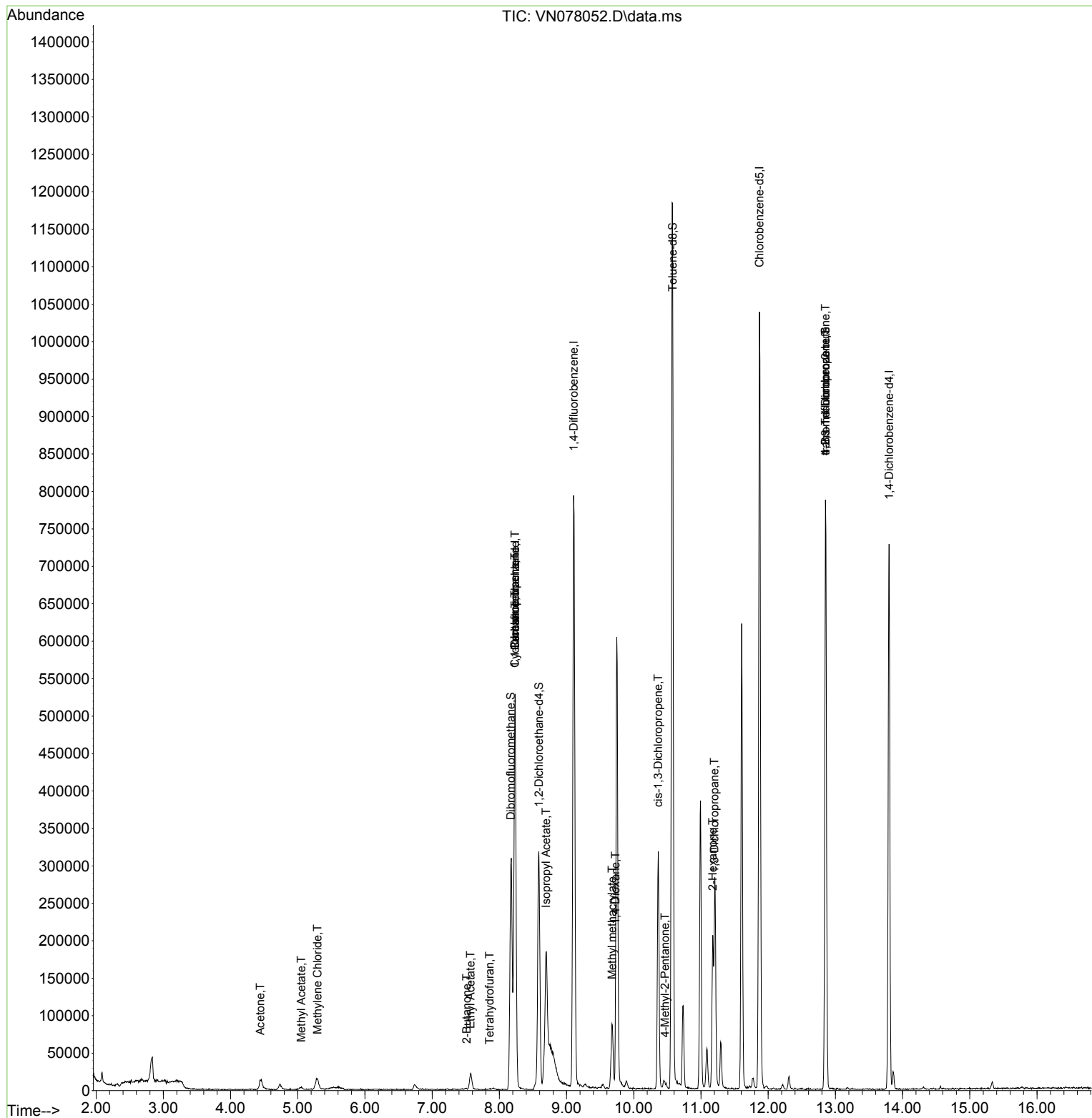
Internal Standards						
1) Pentafluorobenzene	8.235	168	371893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	712512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	629064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	200312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	265109	47.643	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.280%
35) Dibromofluoromethane	8.171	113	222108	47.804	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.600%
50) Toluene-d8	10.576	98	877891	49.089	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.180%
62) 4-Bromofluorobenzene	12.853	95	279044	44.180	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	866	Below Cal	#	82
13) Acrolein	4.171	56	57	Below Cal	#	1
16) Acetone	4.442	43	24980	14.269	ug/l	97
18) Methyl Acetate	5.053	43	6170	0.840	ug/l #	81
20) Methylene Chloride	5.295	84	12540	0.808	ug/l #	82
25) 2-Butanone	7.512	43	2884	1.053	ug/l #	37
29) Tetrahydrofuran	7.853	42	421	0.235	ug/l #	33
31) Cyclohexane	8.230	56	9230	1.220	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	30240	4.450	ug/l #	49
37) Ethyl Acetate	7.571	43	32648	5.390	ug/l #	95
38) Carbon Tetrachloride	8.235	117	41900	6.106	ug/l #	15
43) Isopropyl Acetate	8.694	43	262222	26.504	ug/l #	71
48) Methyl methacrylate	9.677	41	5700	1.215	ug/l #	33
49) 1,4-Dioxane	9.729	88	53	0.598	ug/l #	30
51) 4-Methyl-2-Pentanone	10.465	43	10914	1.856	ug/l #	31
54) cis-1,3-Dichloropropene	10.365	75	59295	7.251	ug/l #	70
57) 1,3-Dichloropropane	11.200	76	2788	0.328	ug/l #	42
59) 2-Hexanone	11.176	43	184316	42.372	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	148729	29.648	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	148729	94.770	ug/l #	15

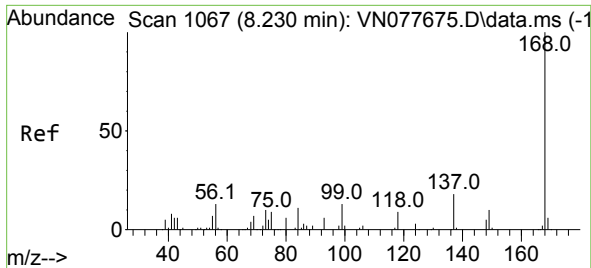
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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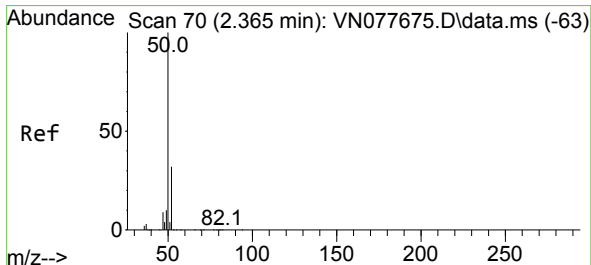
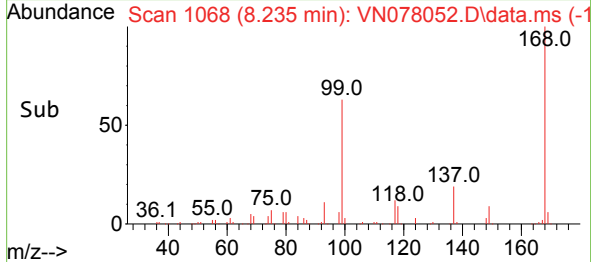
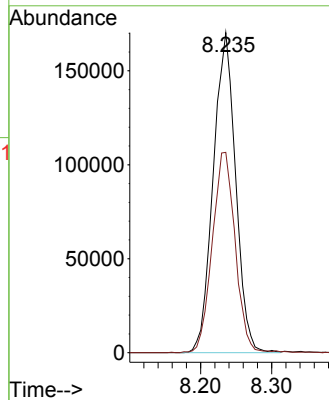
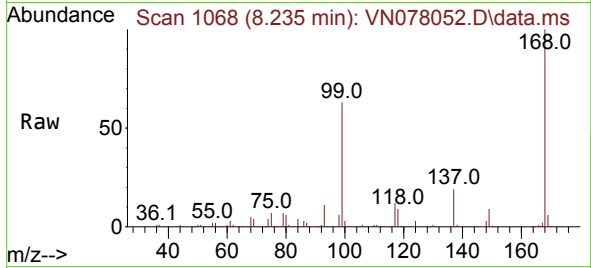




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

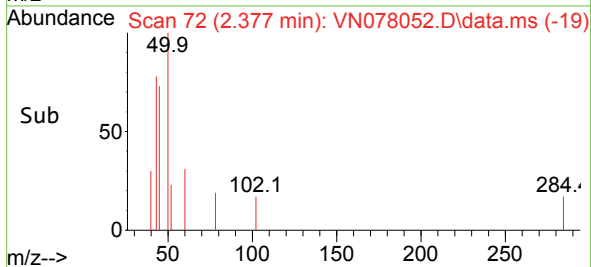
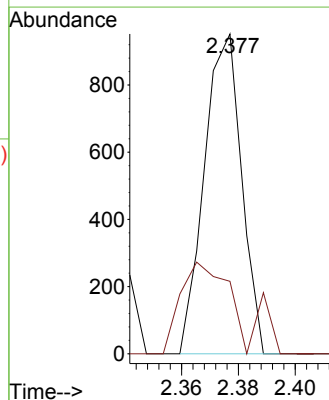
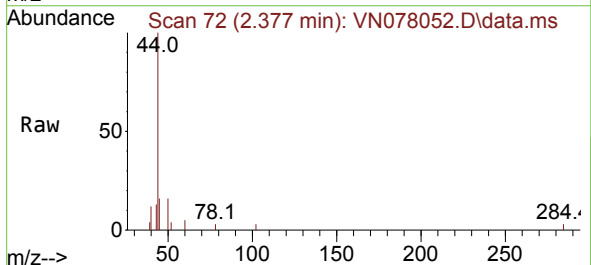
Instrument :
MSVOA_N
ClientSampleId :
362

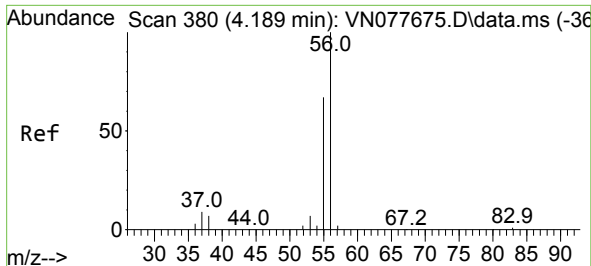
Tgt Ion:168 Resp: 371893
Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 50 Resp: 866
Ion Ratio Lower Upper
50 100
52 22.7 26.5 39.7#

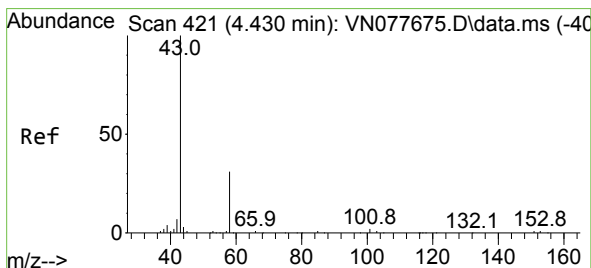
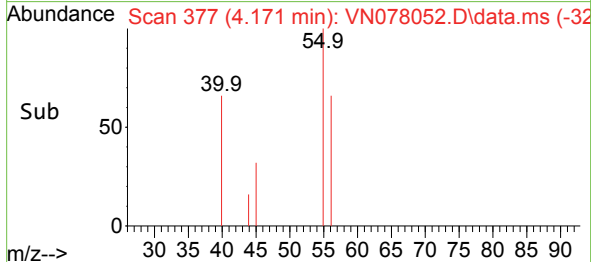
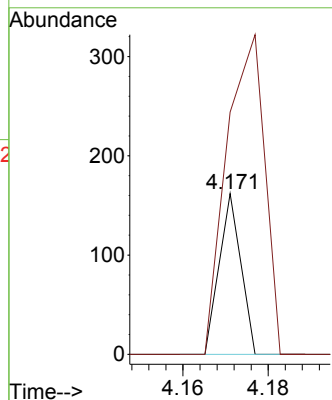
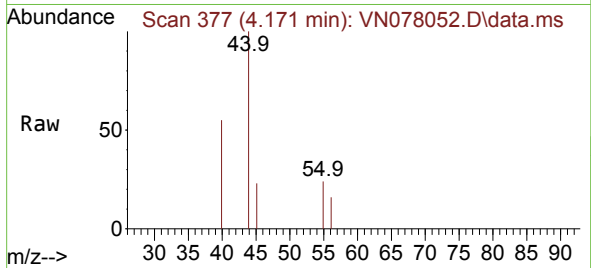




#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

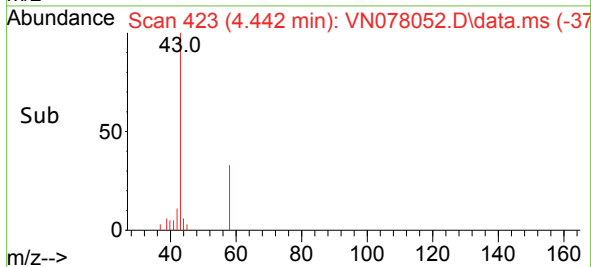
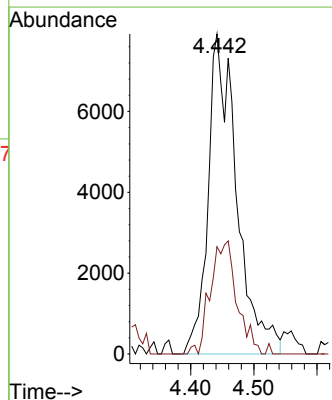
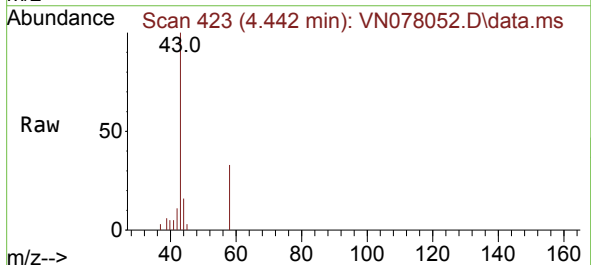
Instrument :
MSVOA_N
ClientSampleId :
362

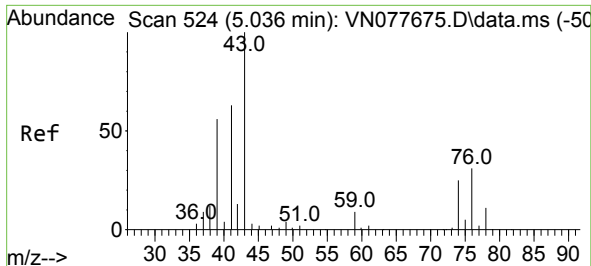
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 350.9 54.5 81.7#



#16
Acetone
Concen: 14.269 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 43 Resp: 24980
Ion Ratio Lower Upper
43 100
58 33.5 28.0 42.0

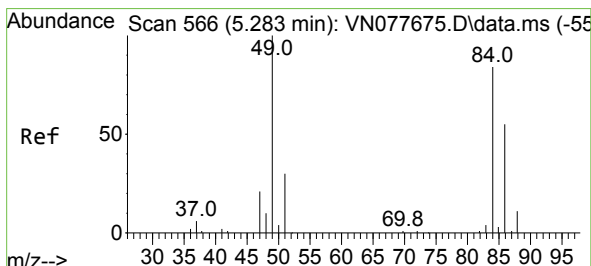
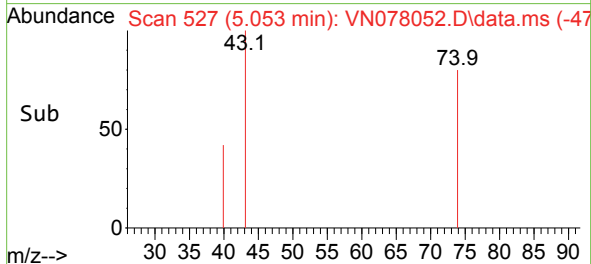
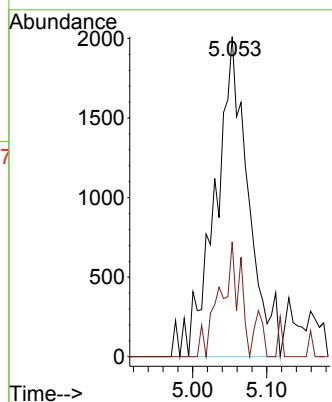
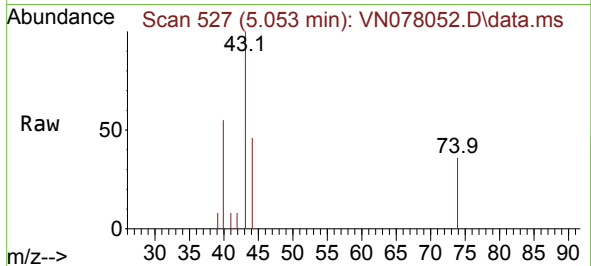




#18
Methyl Acetate
Concen: 0.840 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

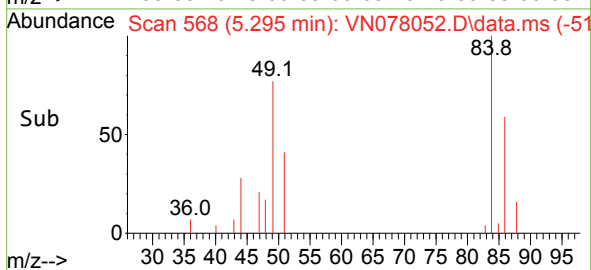
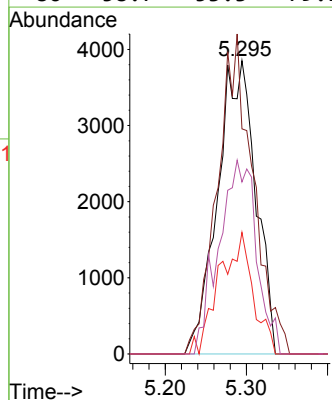
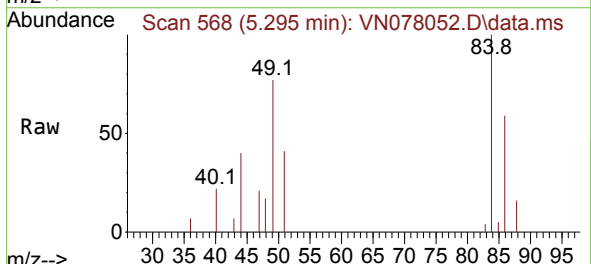
Instrument :
MSVOA_N
ClientSampleId :
362

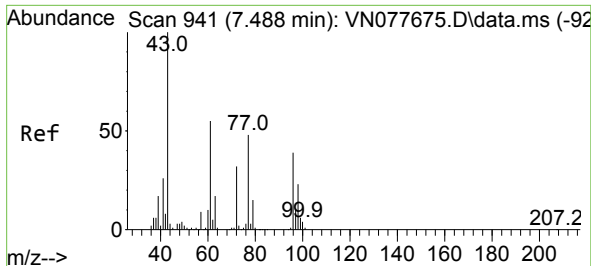
Tgt Ion: 43 Resp: 6170
Ion Ratio Lower Upper
43 100
74 21.9 26.2 39.4#



#20
Methylene Chloride
Concen: 0.808 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 84 Resp: 12540
Ion Ratio Lower Upper
84 100
49 76.8 79.7 119.5#
51 41.5 25.2 37.8#
86 58.7 53.3 79.9

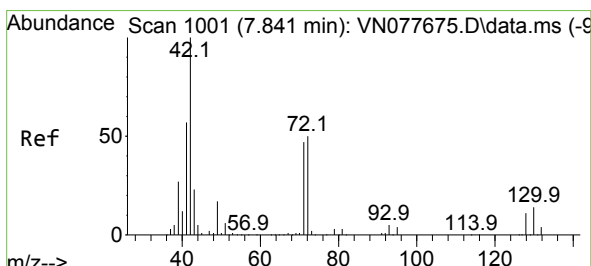
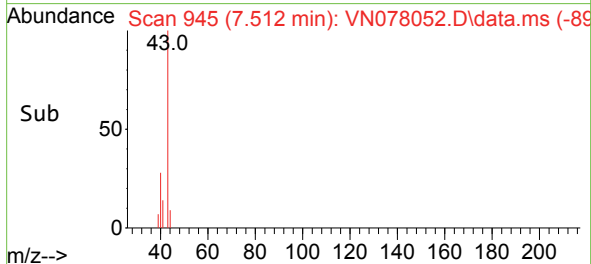
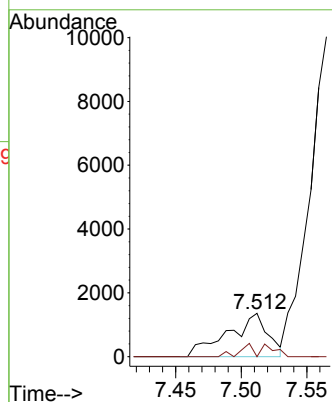
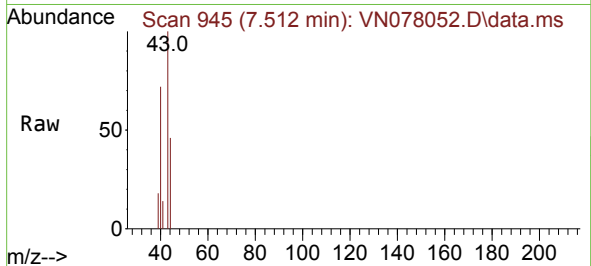




#25
2-Butanone
Concen: 1.053 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.024 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

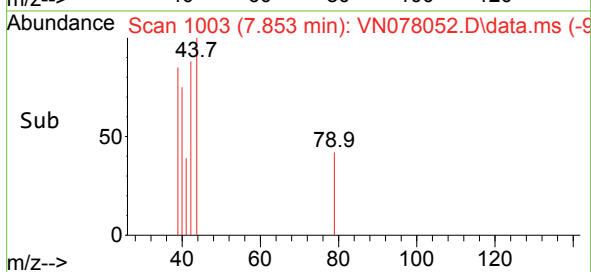
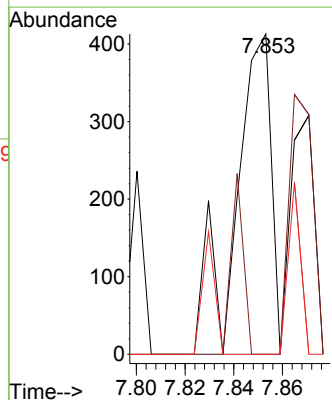
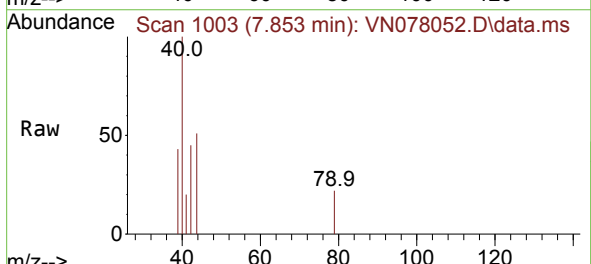
Instrument :
MSVOA_N
ClientSampleId :
362

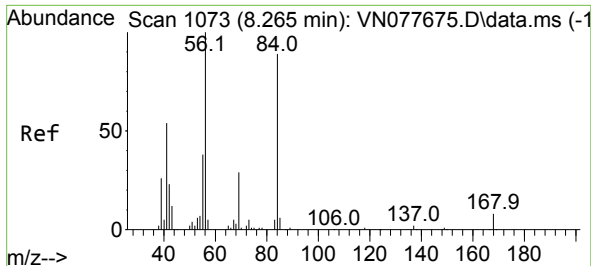
Tgt Ion: 43 Resp: 2884
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.235 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

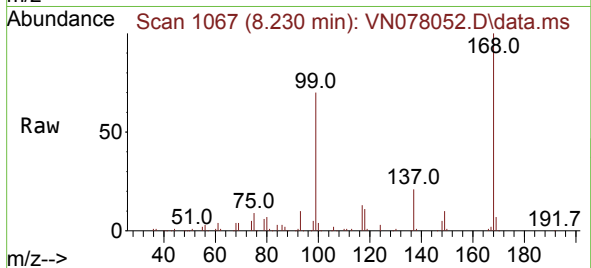
Tgt Ion: 42 Resp: 421
Ion Ratio Lower Upper
42 100
72 19.5 49.8 74.6#
71 0.0 47.4 71.2#



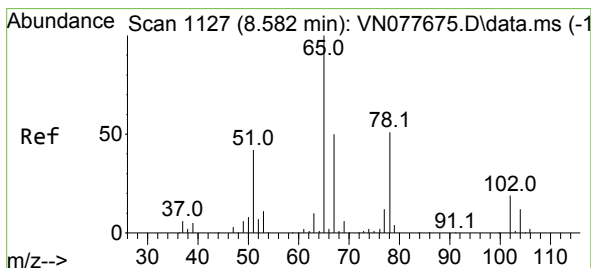
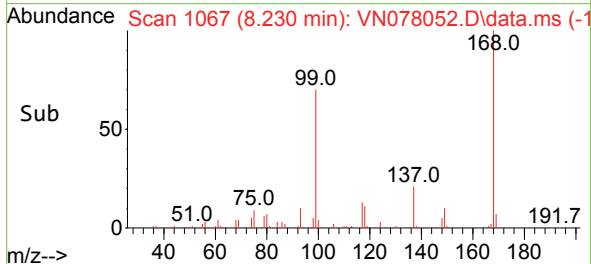
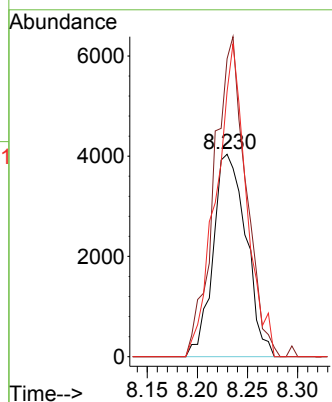


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :
362

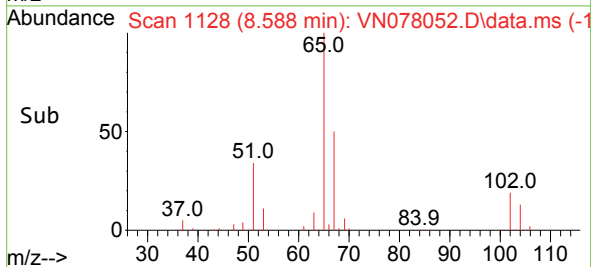
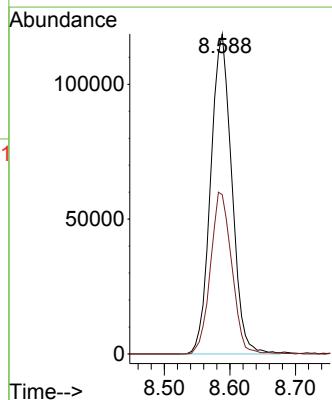
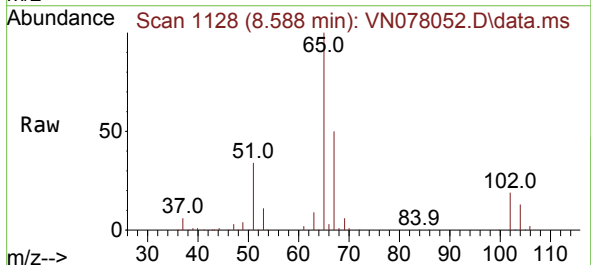


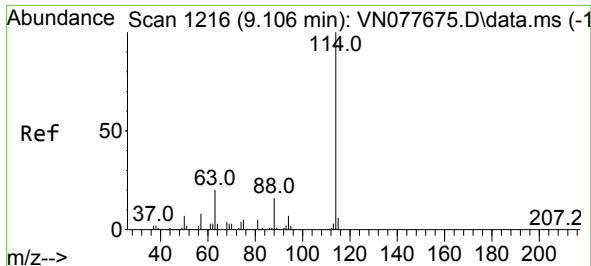
Tgt Ion: 56 Resp: 9230
Ion Ratio Lower Upper
56 100
69 147.2 26.8 40.2#
84 131.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.643 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 65 Resp: 265109
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6

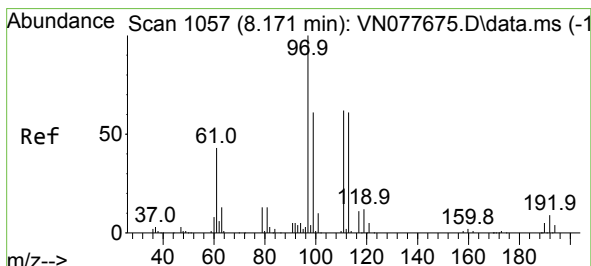
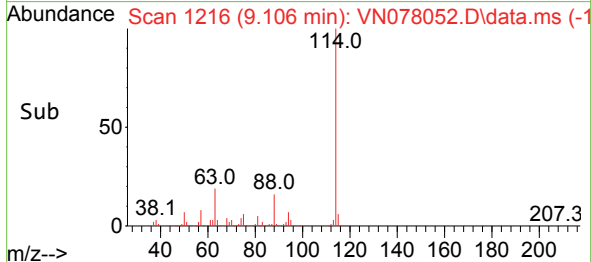
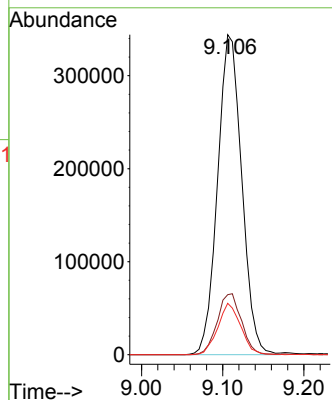
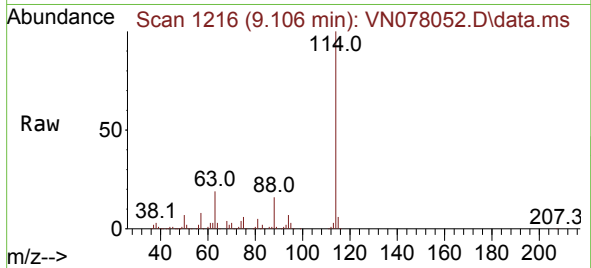




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

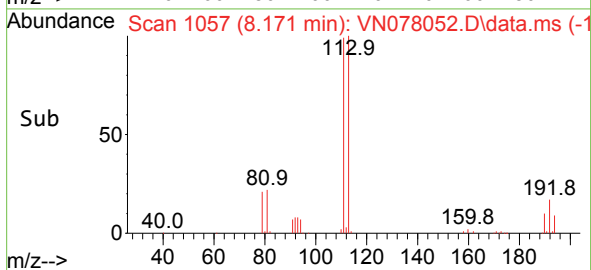
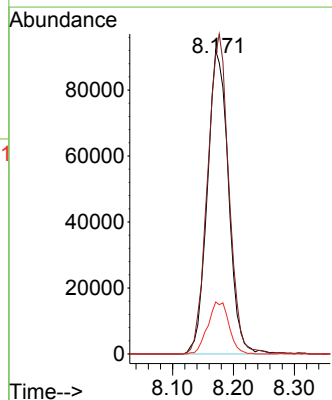
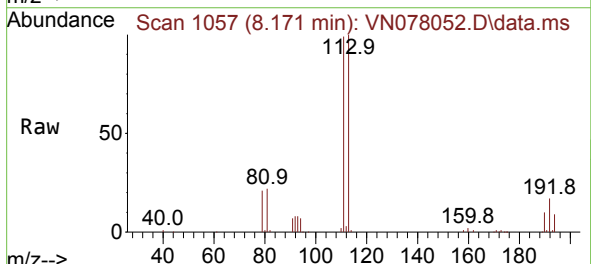
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MSVOA_N
ClientSampleId :
362

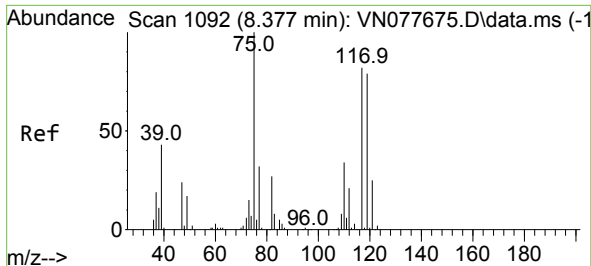
Tgt Ion:114 Resp: 712512
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.804 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion:113 Resp: 222108
Ion Ratio Lower Upper
113 100
111 105.4 82.6 123.8
192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.450 ug/l

RT: 8.230 min Scan# 1092

Delta R.T. -0.147 min

Lab File: VN078052.D

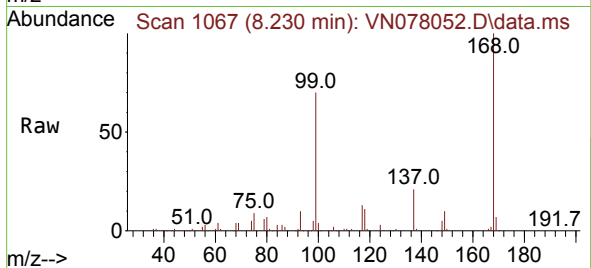
Acq: 05 Jun 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :

362



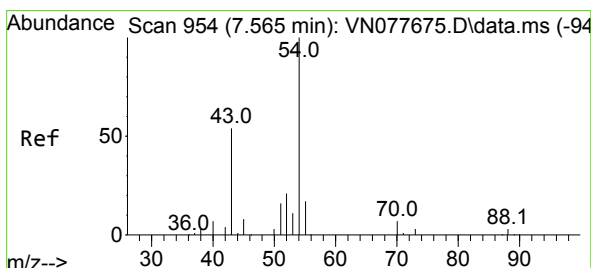
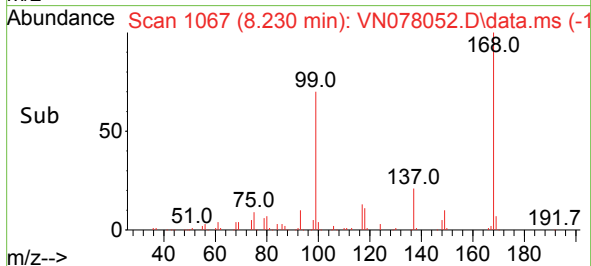
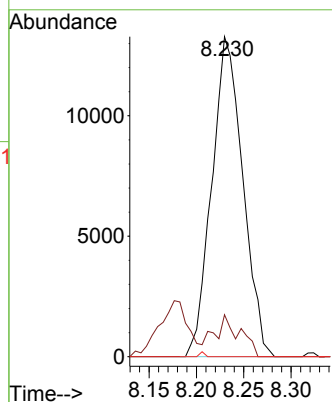
Tgt Ion: 75 Resp: 30240

Ion Ratio Lower Upper

75 100

110 10.7 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 5.390 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN078052.D

Acq: 05 Jun 2023 18:21

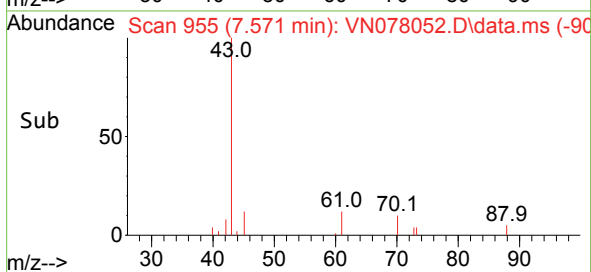
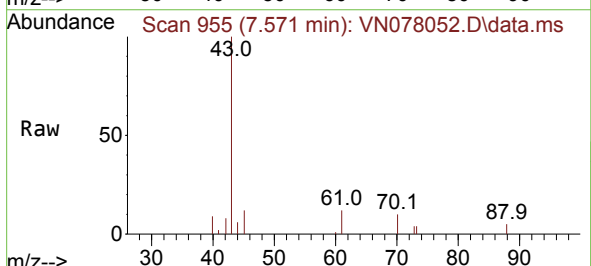
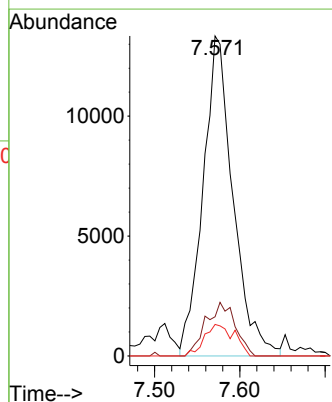
Tgt Ion: 43 Resp: 32648

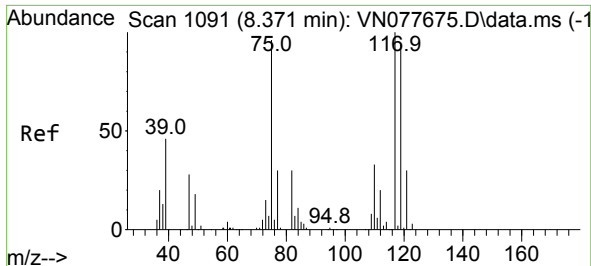
Ion Ratio Lower Upper

43 100

61 16.4 13.2 19.8

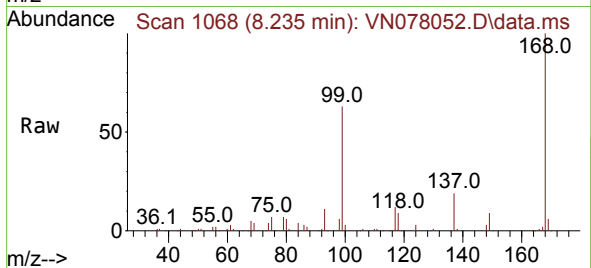
70 9.9 11.3 16.9#



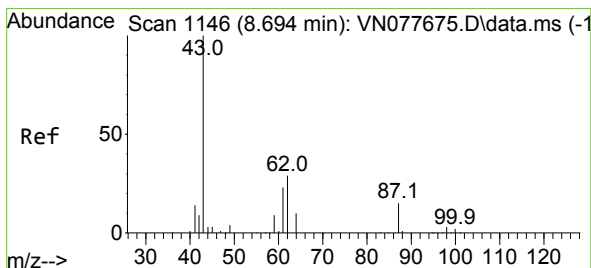
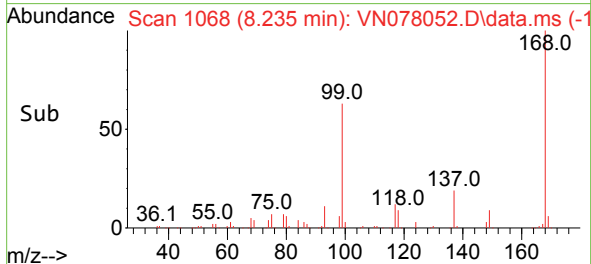
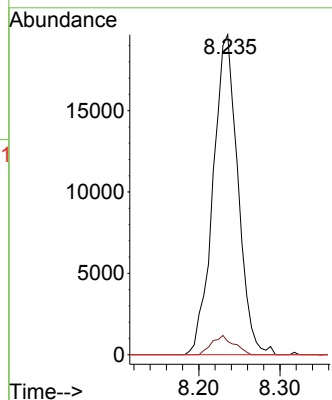


#38
Carbon Tetrachloride
Concen: 6.106 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :
362

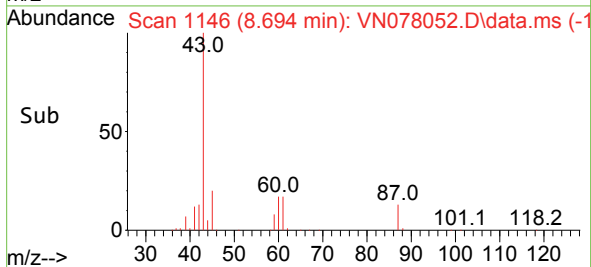
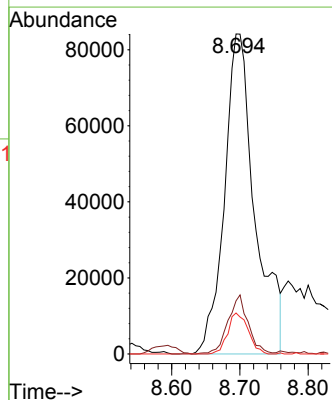
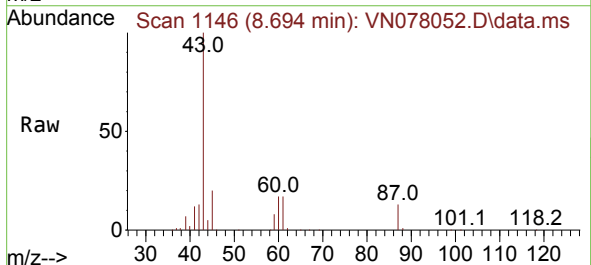


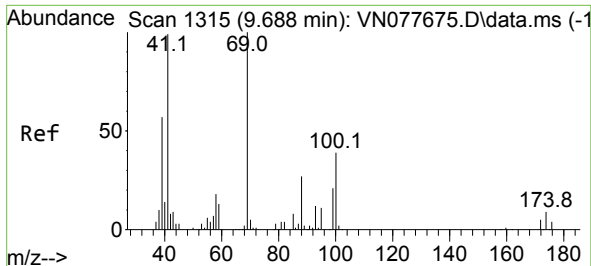
Tgt Ion:117 Resp: 41900
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 26.504 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 43 Resp: 262222
Ion Ratio Lower Upper
43 100
61 12.3 24.7 37.1#
87 8.6 14.6 21.8#

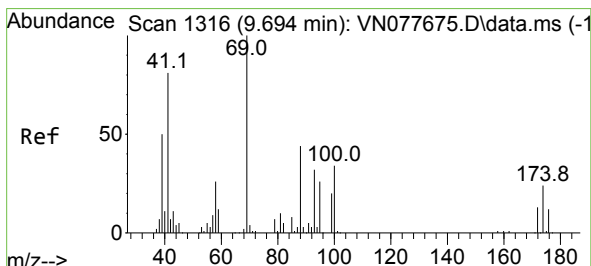
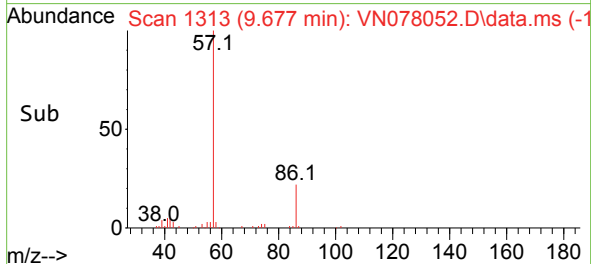
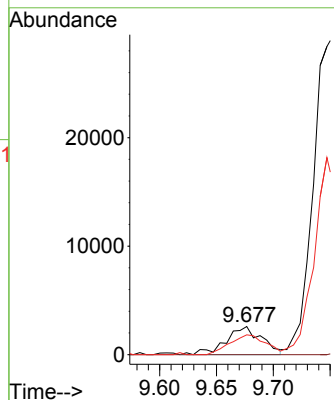
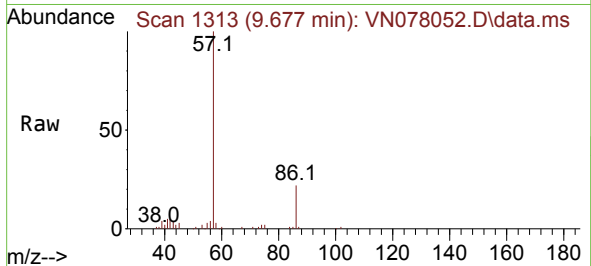




#48
Methyl methacrylate
Concen: 1.215 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

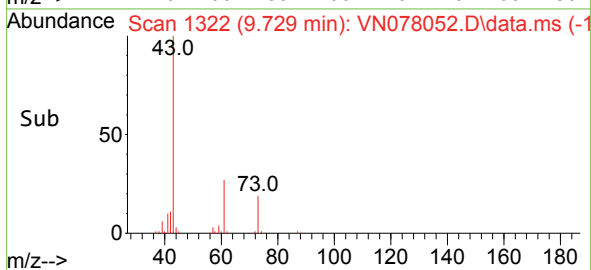
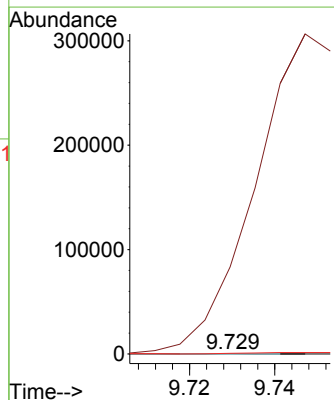
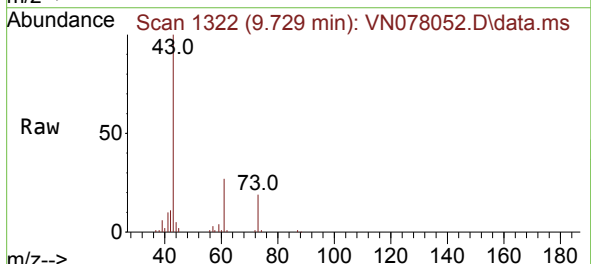
Instrument :
MSVOA_N
ClientSampleId :
362

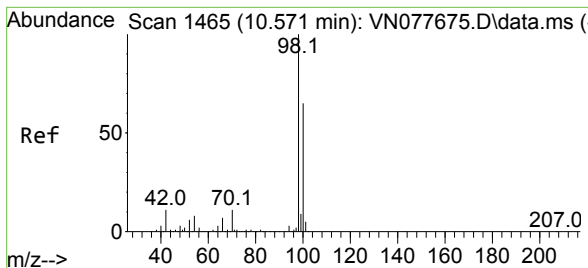
Tgt Ion: 41 Resp: 5700
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 70.7 54.6 81.8



#49
1,4-Dioxane
Concen: 0.598 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

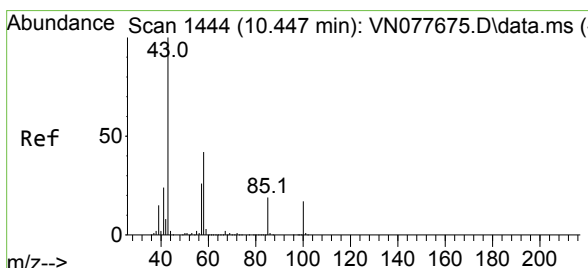
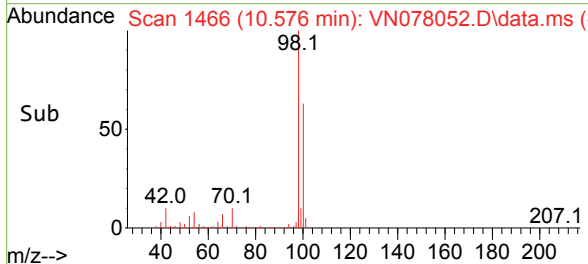
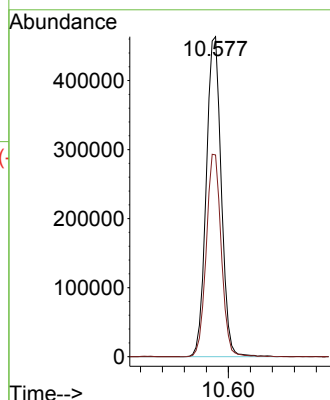
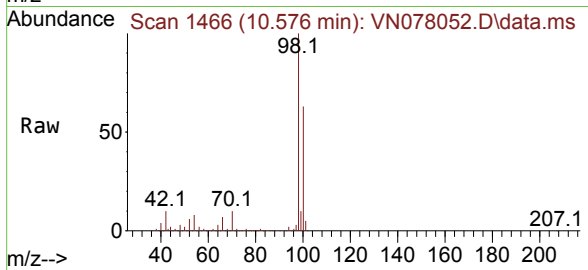




#50
Toluene-d8
Concen: 49.089 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

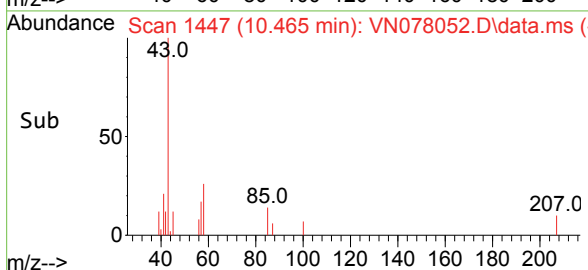
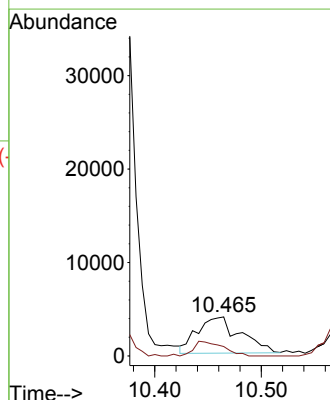
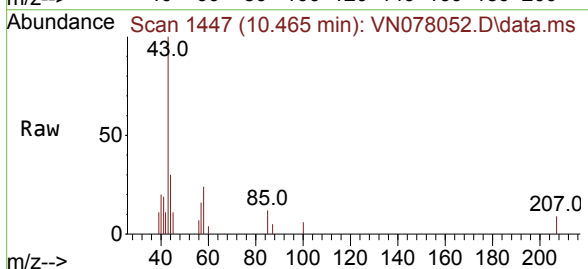
Instrument :
MSVOA_N
ClientSampleId :
362

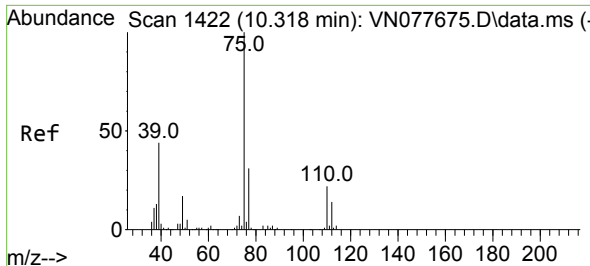
Tgt Ion: 98 Resp: 877891
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.856 ug/l
RT: 10.465 min Scan# 1447
Delta R.T. 0.018 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 43 Resp: 10914
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

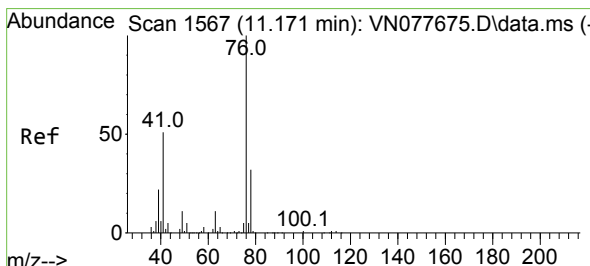
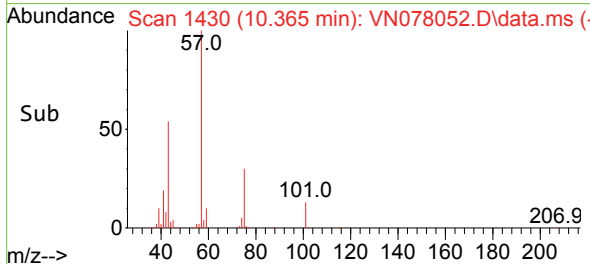
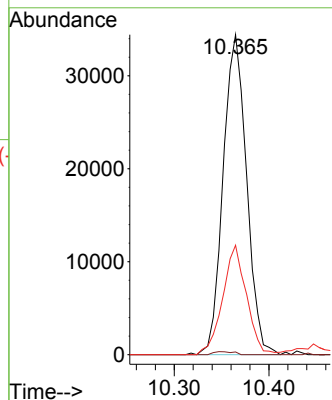
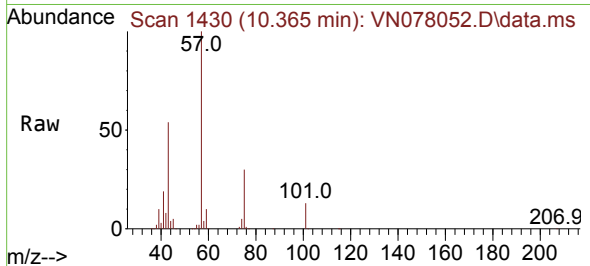




#54
 cis-1,3-Dichloropropene
 Concen: 7.251 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078052.D
 Acq: 05 Jun 2023 18:21

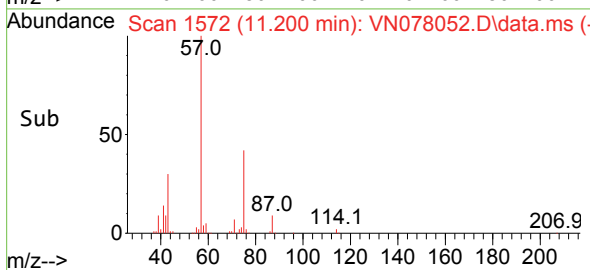
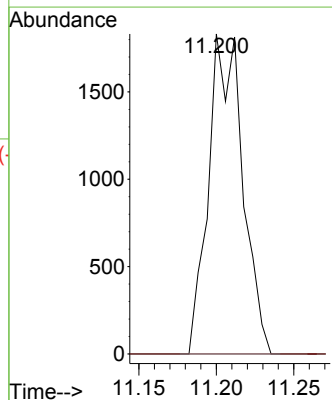
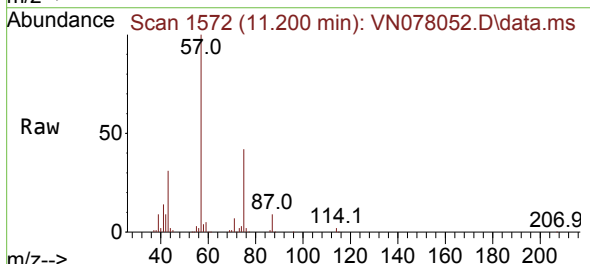
Instrument :
 MSVOA_N
 ClientSampleId :
 362

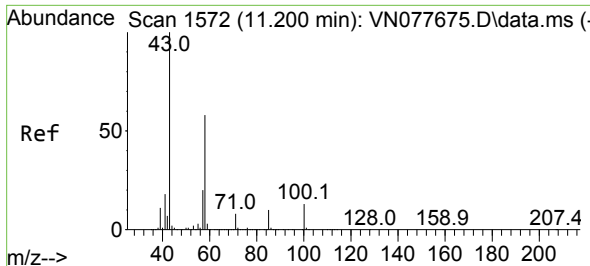
Tgt Ion: 75 Resp: 59295
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 34.2 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 0.328 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.029 min
 Lab File: VN078052.D
 Acq: 05 Jun 2023 18:21

Tgt Ion: 76 Resp: 2788
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

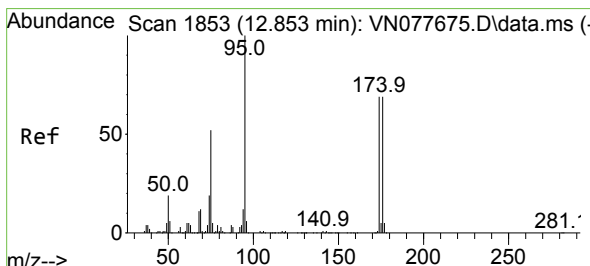
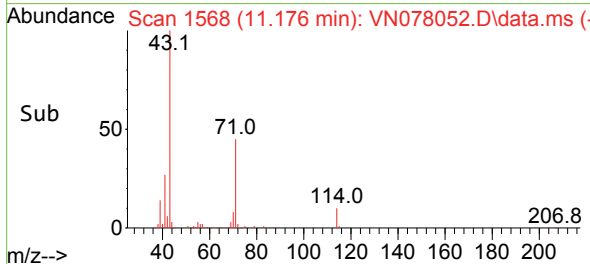
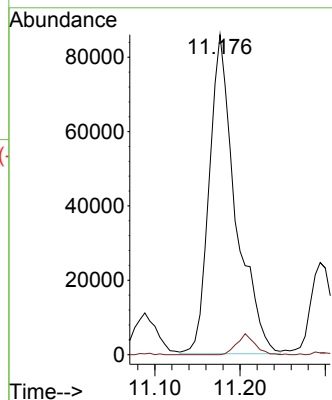
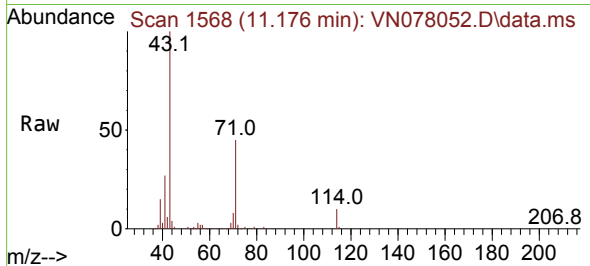




#59
2-Hexanone
Concen: 42.372 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

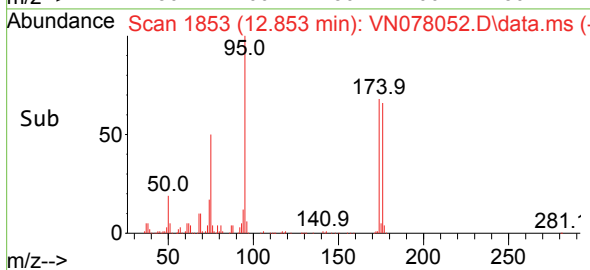
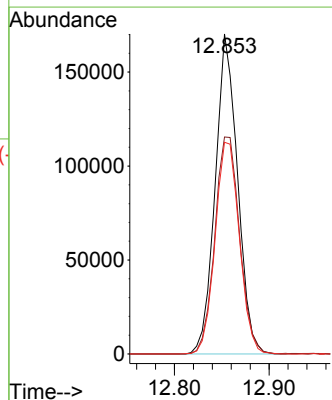
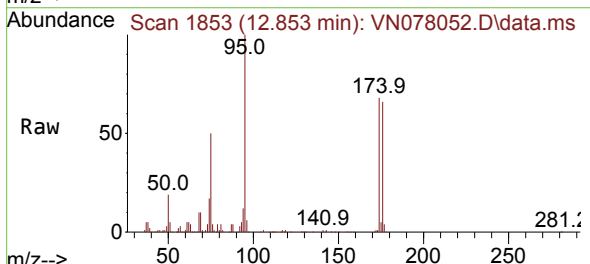
Instrument :
MSVOA_N
ClientSampleId :
362

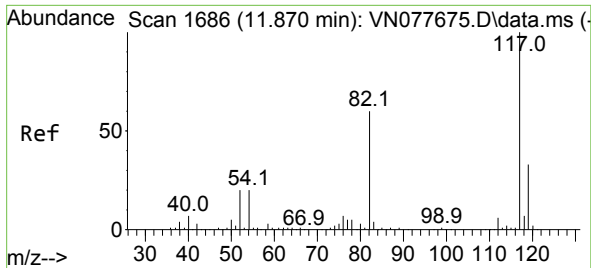
Tgt Ion: 43 Resp: 184316
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 44.180 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 95 Resp: 279044
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 71.8 0.0 135.8

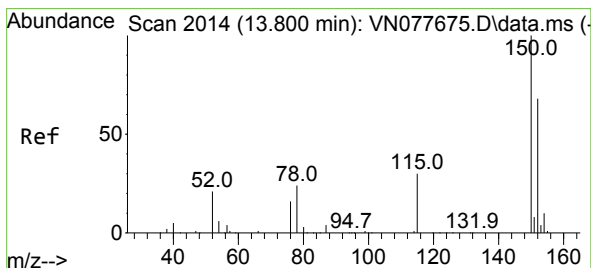
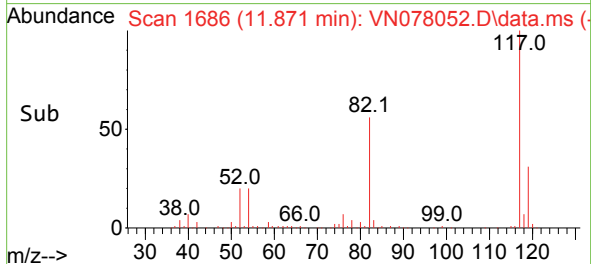
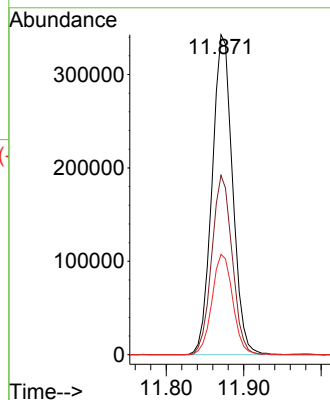
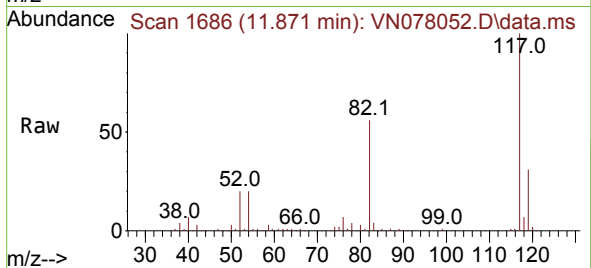




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

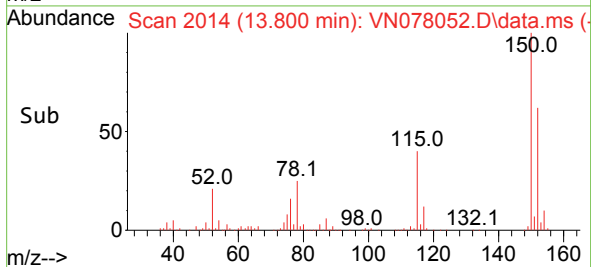
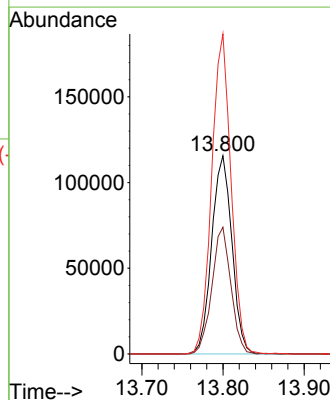
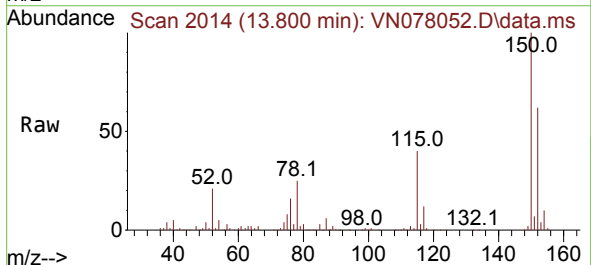
Instrument :
MSVOA_N
ClientSampleId :
362

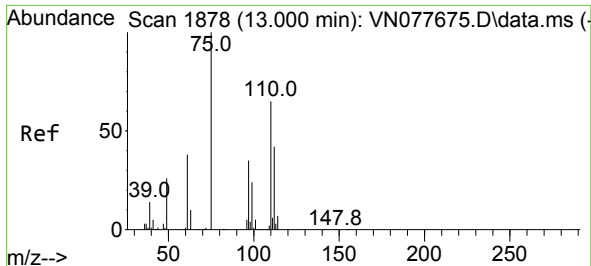
Tgt Ion:117 Resp: 629064
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion:152 Resp: 200312
Ion Ratio Lower Upper
152 100
115 60.2 32.3 96.8
150 154.2 0.0 355.8

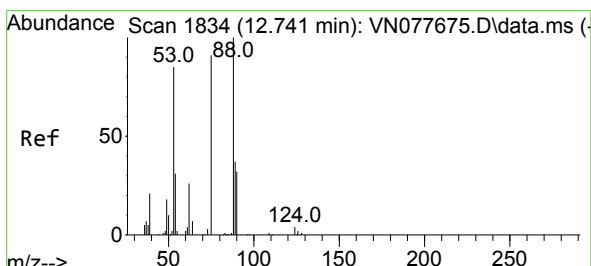
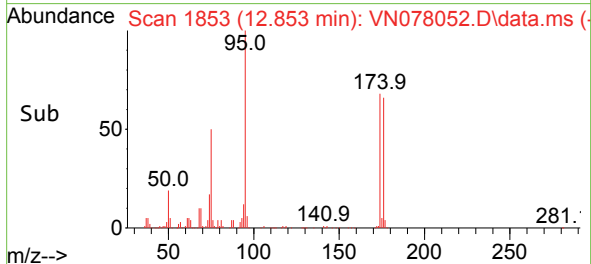
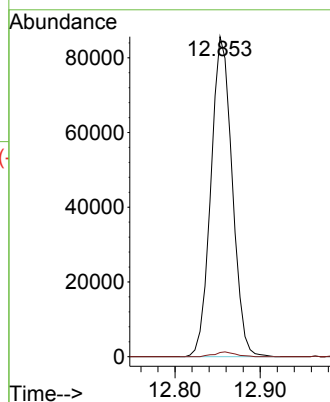
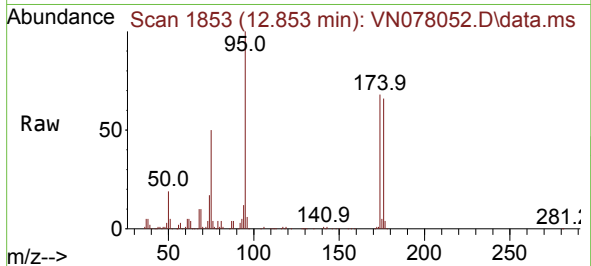




#76
1,2,3-Trichloropropane
Concen: 29.648 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :
362

Tgt Ion: 75 Resp: 148729
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.770 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078052.D
Acq: 05 Jun 2023 18:21

Tgt Ion: 75 Resp: 148729
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

