

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079073.D
 Acq On : 28 Aug 2023 17:44
 Operator : JC\MD
 Sample : 04188-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 04:40:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

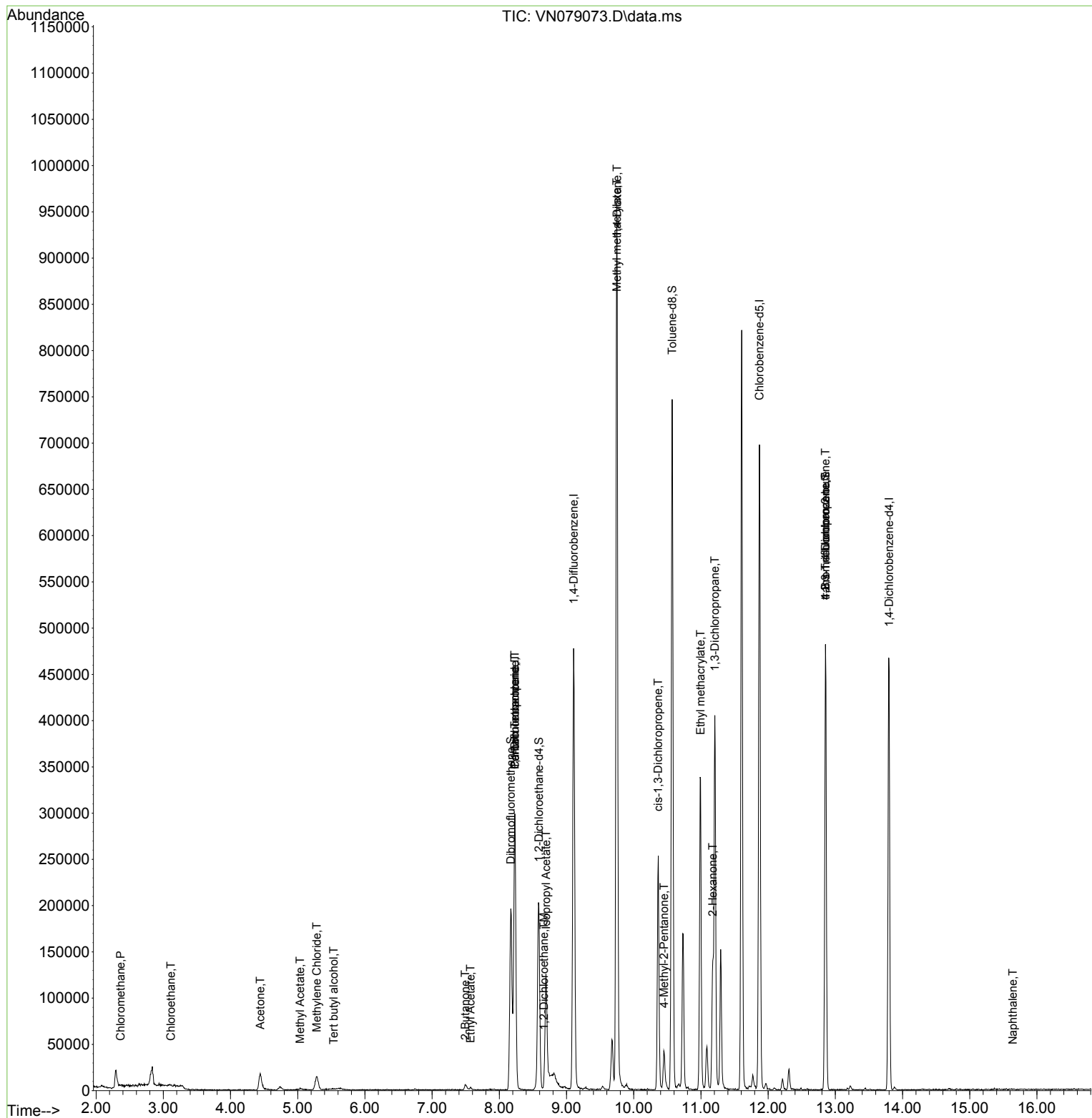
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	209148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	401073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	391051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	123022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	161954	49.763	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.520%
35) Dibromofluoromethane	8.171	113	137718	51.010	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.020%
50) Toluene-d8	10.571	98	493519	49.231	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.853	95	158036	48.231	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	824	0.203	ug/l	99
6) Chloroethane	3.112	64	668	0.269	ug/l #	43
11) Tert butyl alcohol	5.536	59	176	0.322	ug/l #	72
16) Acetone	4.442	43	31906	23.760	ug/l	97
18) Methyl Acetate	5.036	43	2894	0.510	ug/l #	75
20) Methylene Chloride	5.283	84	11026	3.853	ug/l #	80
25) 2-Butanone	7.495	43	11098	5.155	ug/l #	62
31) Cyclohexane	8.224	56	5413	Below Cal	#	45
36) 1,1-Dichloropropene	8.230	75	18736	4.613	ug/l #	47
37) Ethyl Acetate	7.571	43	3168	0.697	ug/l #	78
38) Carbon Tetrachloride	8.230	117	24106	5.924	ug/l #	16
42) 1,2-Dichloroethane	8.665	62	1107	0.247	ug/l #	73
43) Isopropyl Acetate	8.694	43	150918	18.791	ug/l #	74
48) Methyl methacrylate	9.747	41	89448	24.578	ug/l #	29
49) 1,4-Dioxane	9.753	88	108	1.742	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	32449	6.812	ug/l #	81
54) cis-1,3-Dichloropropene	10.365	75	39538	7.820	ug/l #	74
56) Ethyl methacrylate	10.994	69	1548	0.338	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4581	0.867	ug/l #	42
59) 2-Hexanone	11.177	43	114670	33.236	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	85404	28.811	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	85404	73.601	ug/l #	15
95) Naphthalene	15.641	128	468	2.653	ug/l #	70

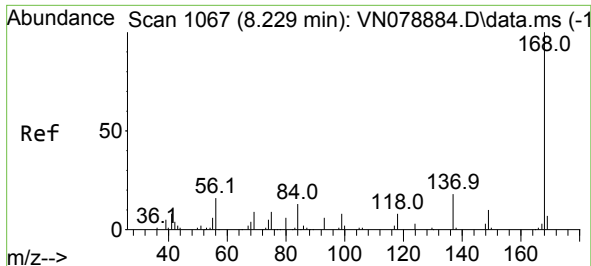
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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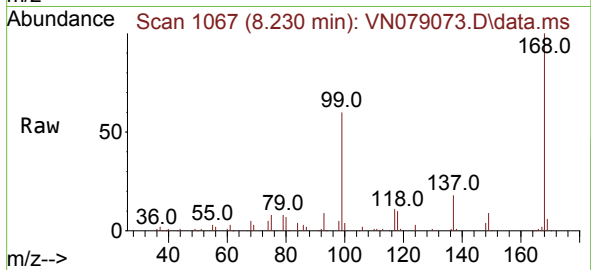
Quant Time: Aug 29 04:40:47 2023
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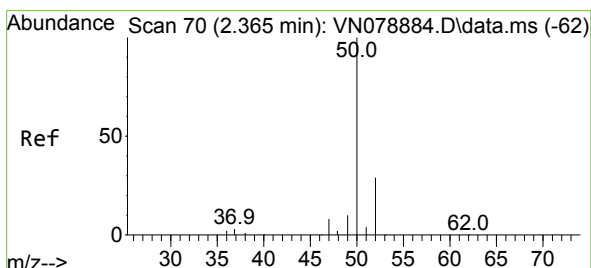
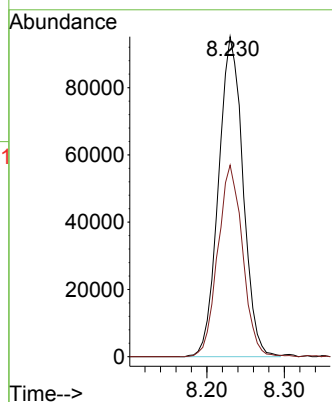
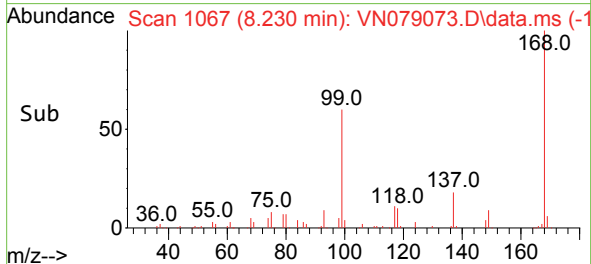


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Instrument :
MSVOA_N
ClientSampleId :

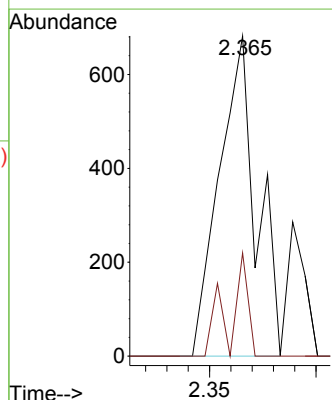
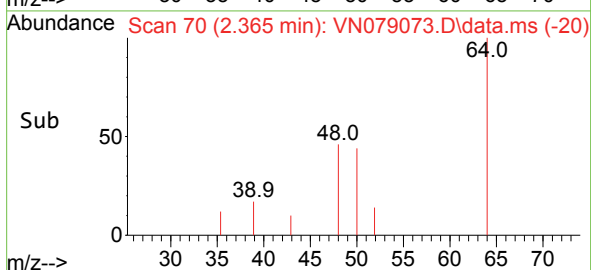
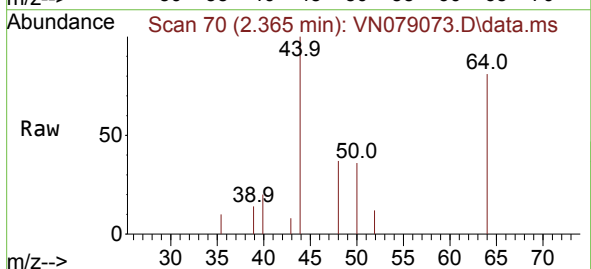


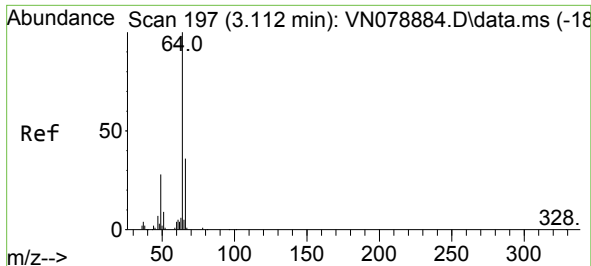
Tgt Ion:168 Resp: 209148
Ion Ratio Lower Upper
168 100
99 59.8 53.0 79.6



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Tgt Ion: 50 Resp: 824
Ion Ratio Lower Upper
50 100
52 32.3 26.5 39.7

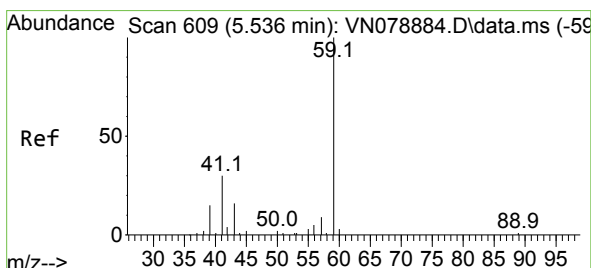
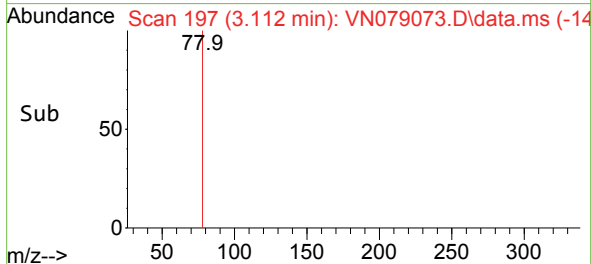
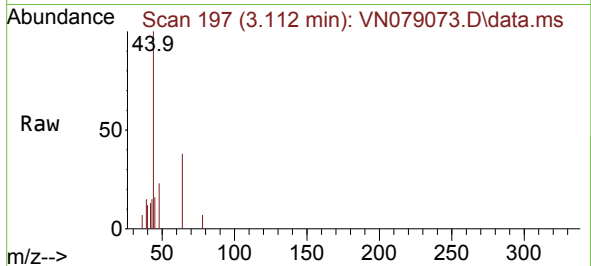




#6
Chloroethane
Concen: 0.269 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

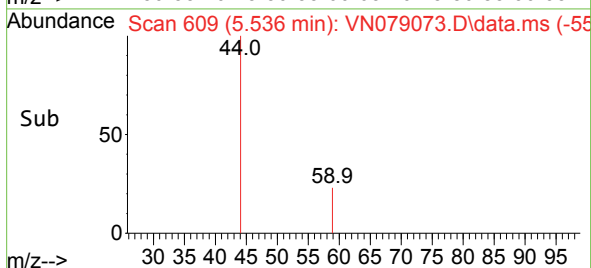
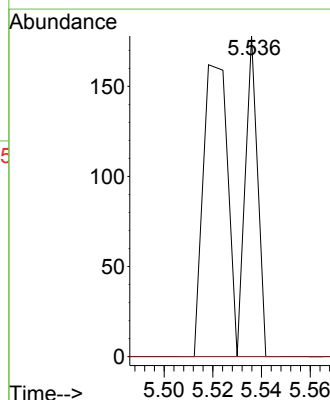
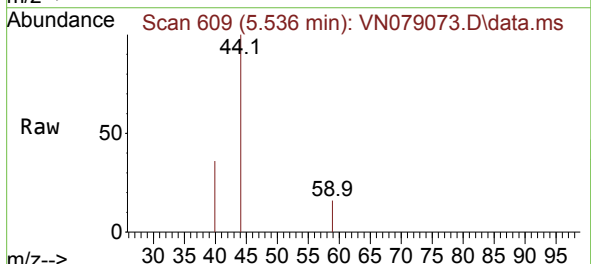
Instrument :
MSVOA_N
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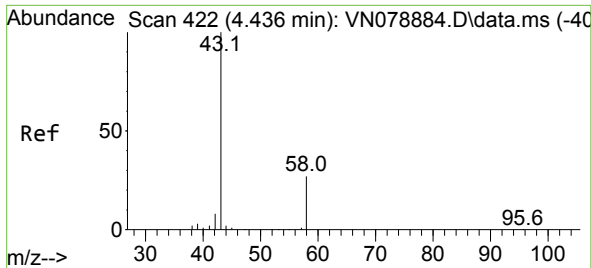
Tgt Ion: 64 Resp: 668
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

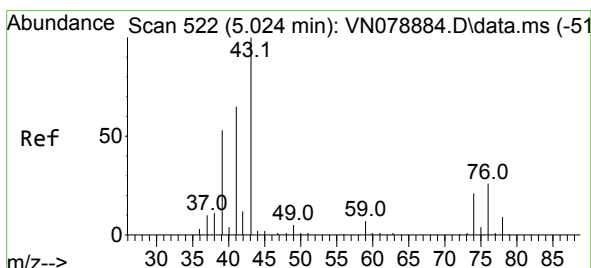
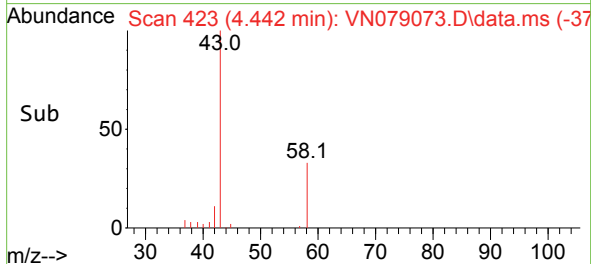
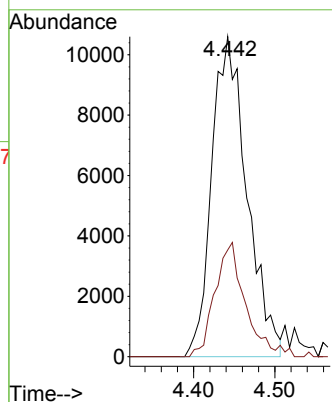
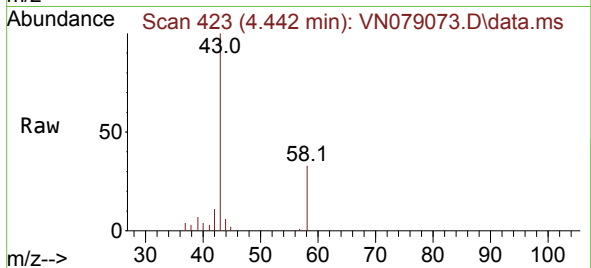




#16
Acetone
Concen: 23.760 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

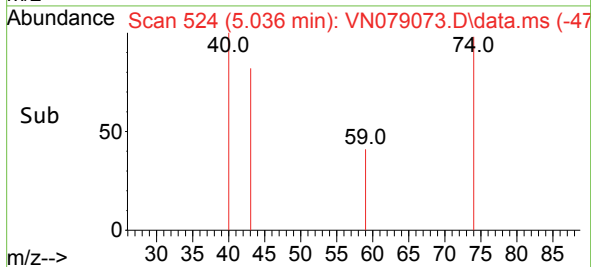
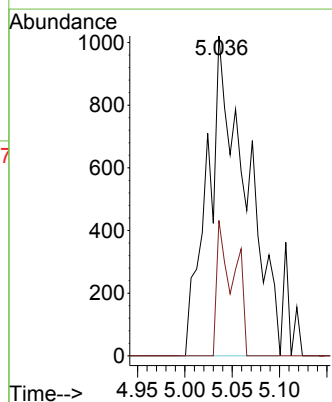
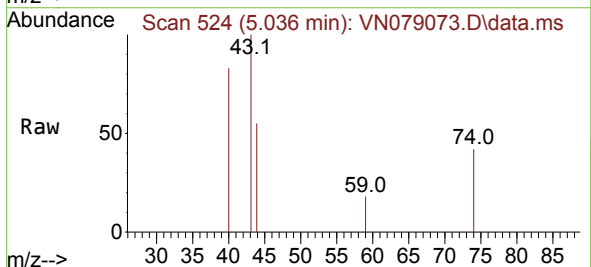
Instrument :
MSVOA_N
ClientSampleId :

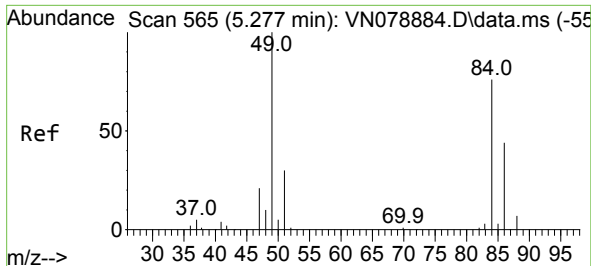
Tgt Ion: 43 Resp: 31906
Ion Ratio Lower Upper
43 100
58 33.4 28.0 42.0



#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

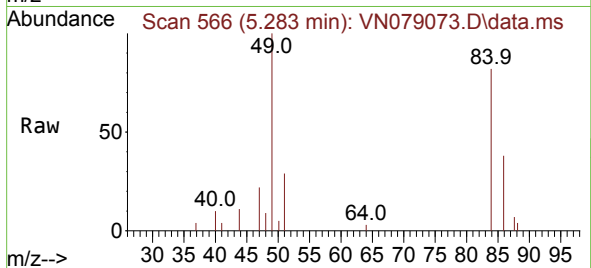
Tgt Ion: 43 Resp: 2894
Ion Ratio Lower Upper
43 100
74 18.9 26.2 39.4#



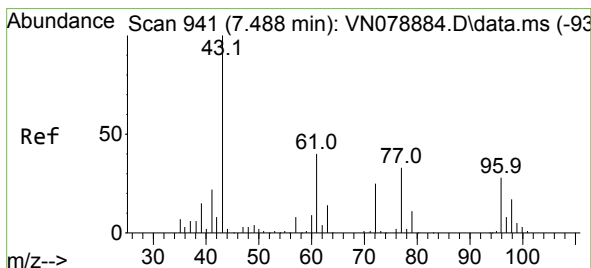
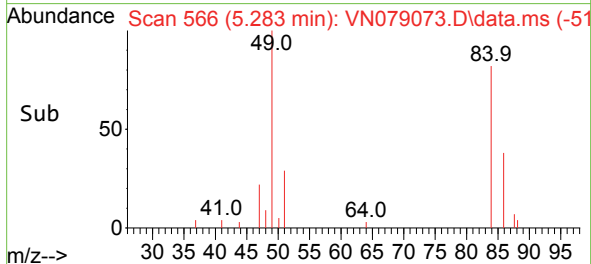
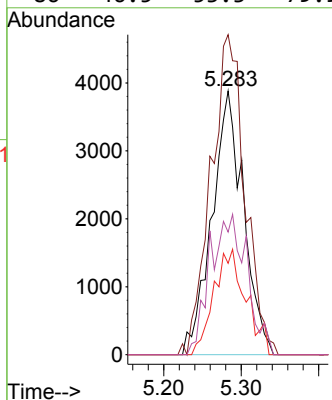


#20
Methylene Chloride
Concen: 3.853 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Instrument :
MSVOA_N
ClientSampleId :

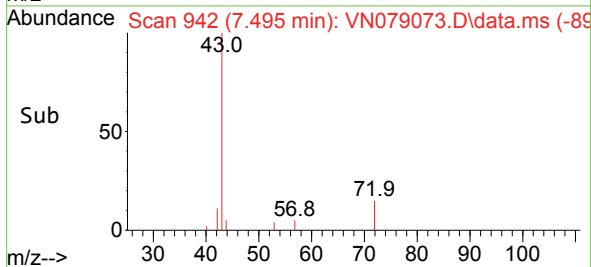
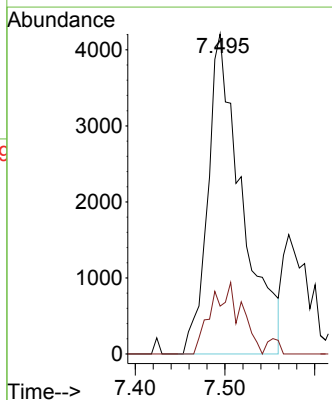
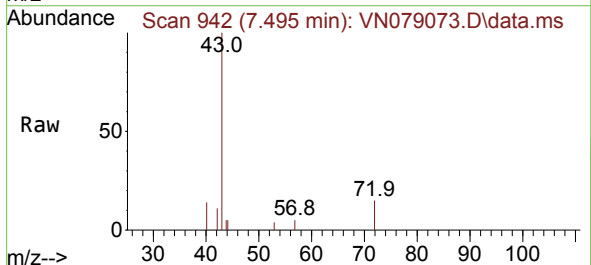


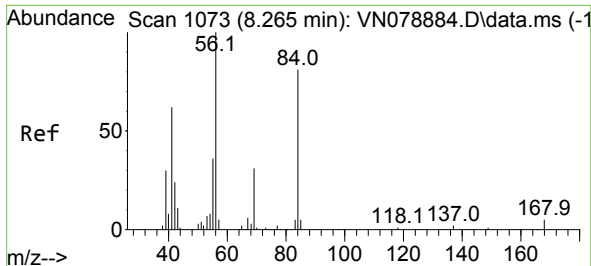
Tgt Ion:	84	Resp:	11026
Ion	Ratio	Lower	Upper
84	100		
49	121.4	79.7	119.5#
51	34.6	25.2	37.8
86	46.5	53.3	79.9#



#25
2-Butanone
Concen: 5.155 ug/l
RT: 7.495 min Scan# 942
Delta R.T. 0.001 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

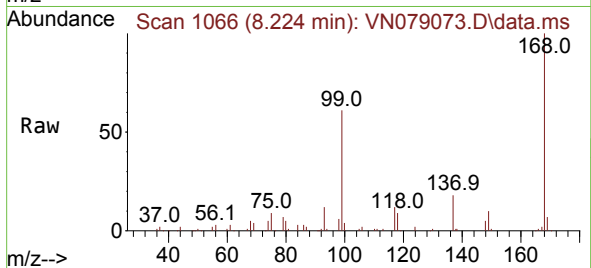
Tgt Ion:	43	Resp:	11098
Ion	Ratio	Lower	Upper
43	100		
72	15.0	30.2	45.2#



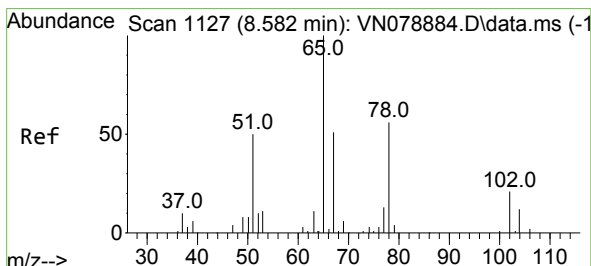
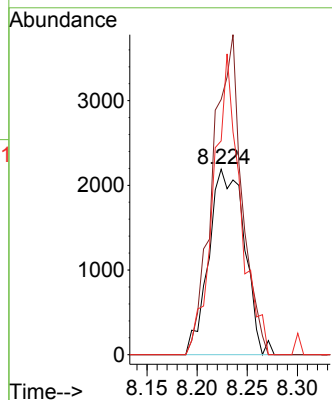
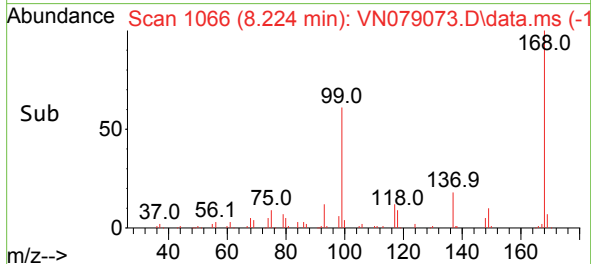


#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

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MSVOA_N
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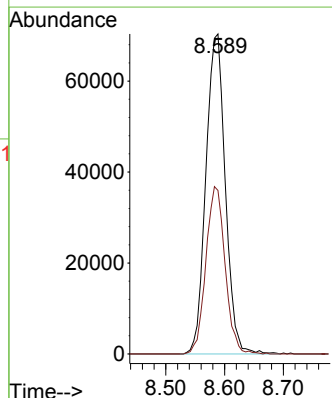
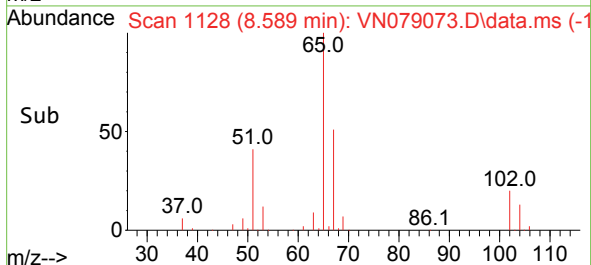
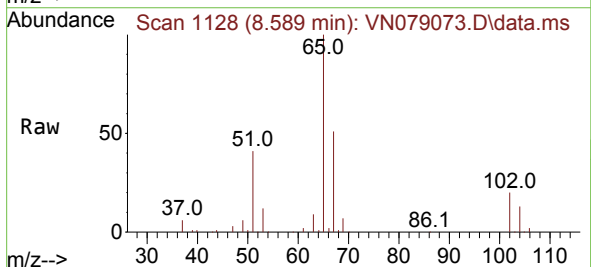


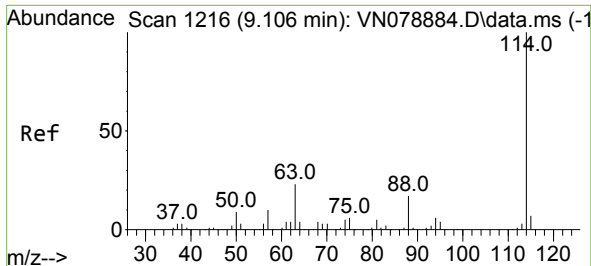
Tgt Ion: 56 Resp: 5413
Ion Ratio Lower Upper
56 100
69 137.6 26.8 40.2#
84 115.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 49.763 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Tgt Ion: 65 Resp: 161954
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079073.D

Acq: 28 Aug 2023 17:44

Instrument :

MSVOA_N

ClientSampleId :

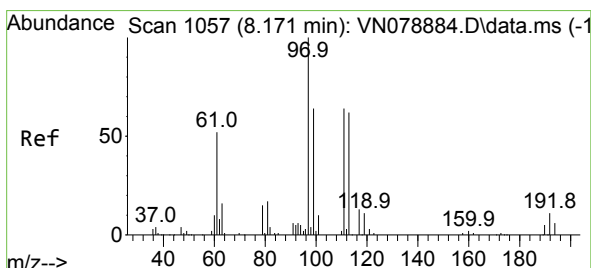
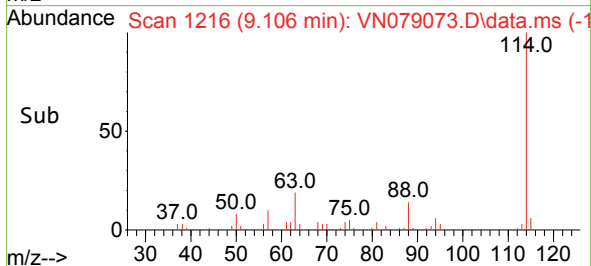
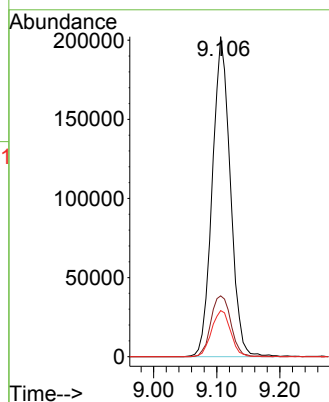
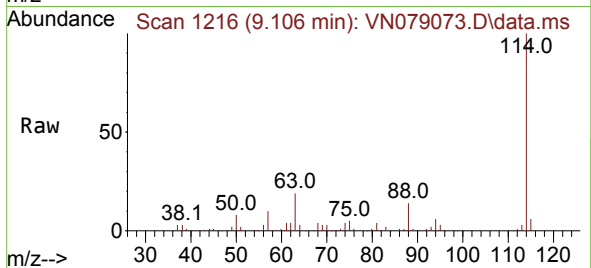
Tgt Ion:114 Resp: 401073

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.010 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079073.D

Acq: 28 Aug 2023 17:44

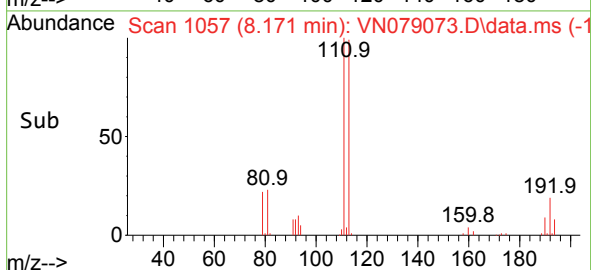
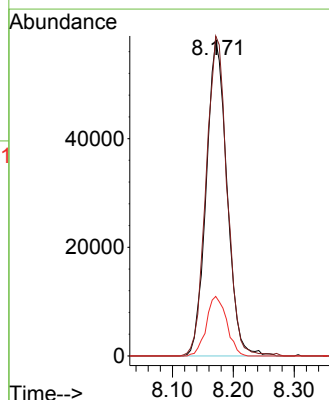
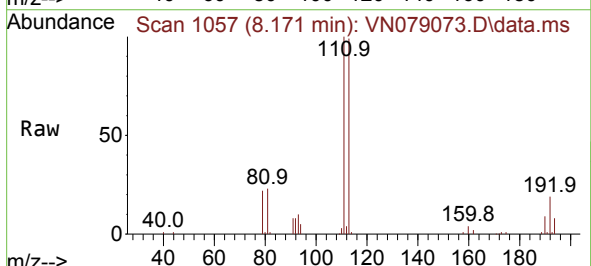
Tgt Ion:113 Resp: 137718

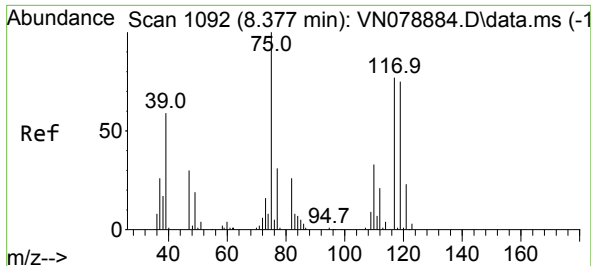
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.613 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

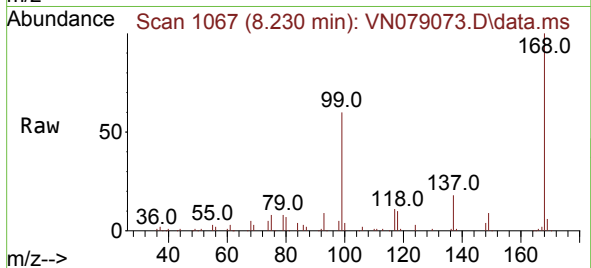
Lab File: VN079073.D

Acq: 28 Aug 2023 17:44

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MSVOA_N

ClientSampleId :



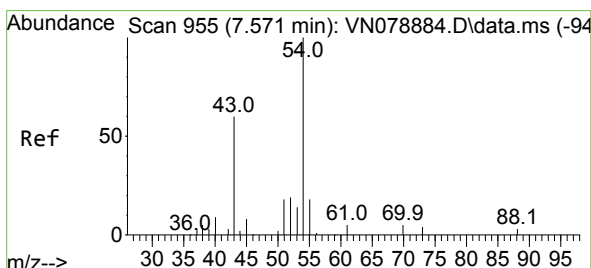
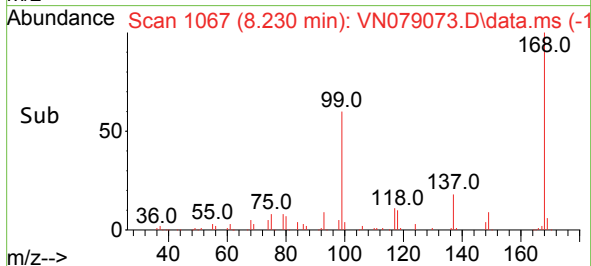
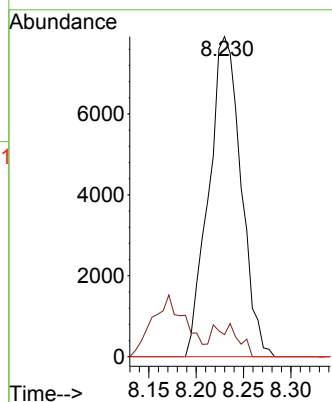
Tgt Ion: 75 Resp: 18736

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.697 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.000 min

Lab File: VN079073.D

Acq: 28 Aug 2023 17:44

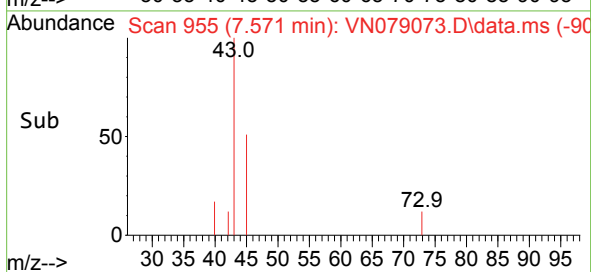
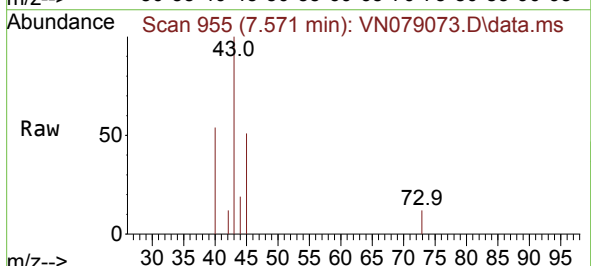
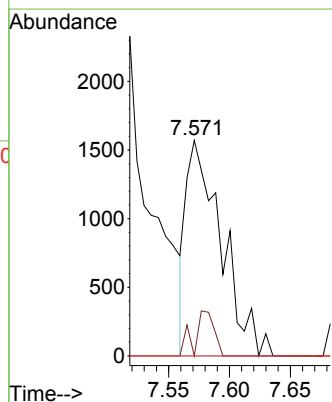
Tgt Ion: 43 Resp: 3168

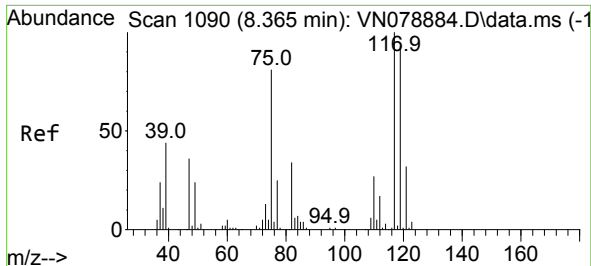
Ion Ratio Lower Upper

43 100

61 11.6 13.2 19.8#

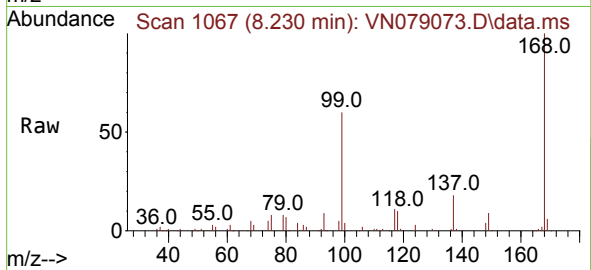
70 0.0 11.3 16.9#



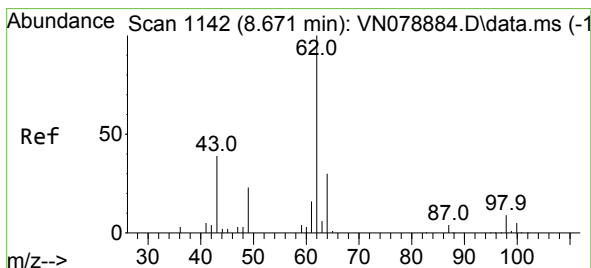
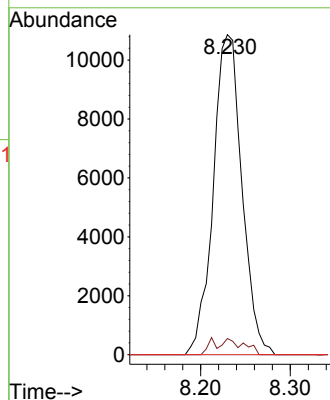
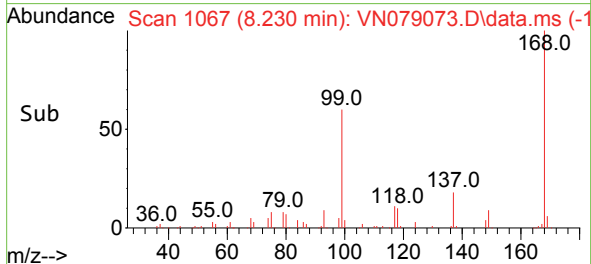


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Instrument :
MSVOA_N
ClientSampleId :

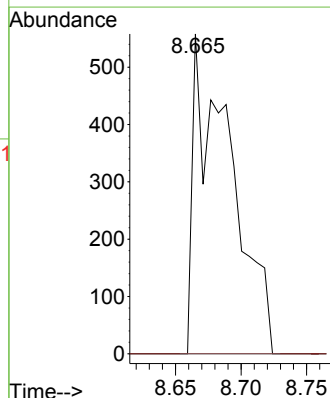
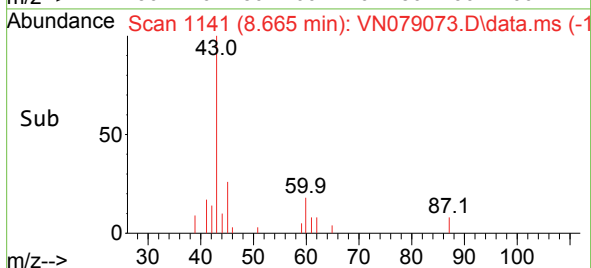
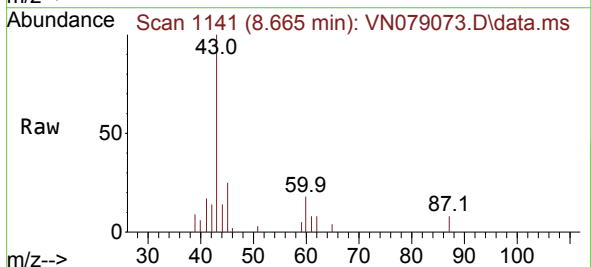


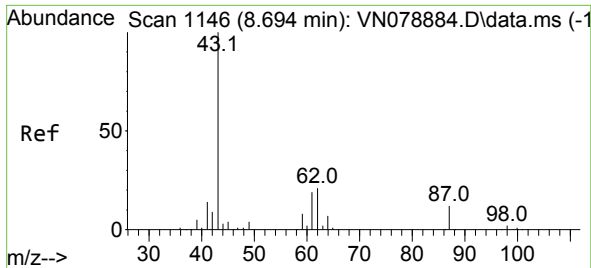
Tgt Ion:117 Resp: 24106
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.247 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.012 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Tgt Ion: 62 Resp: 1107
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

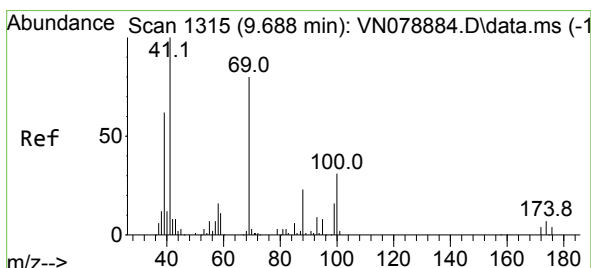
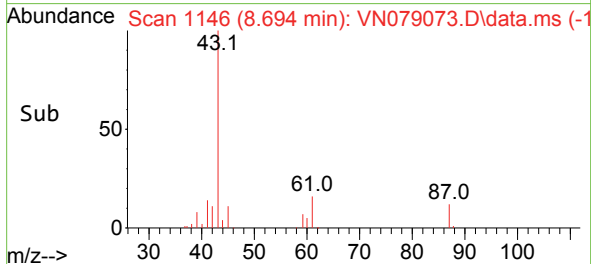
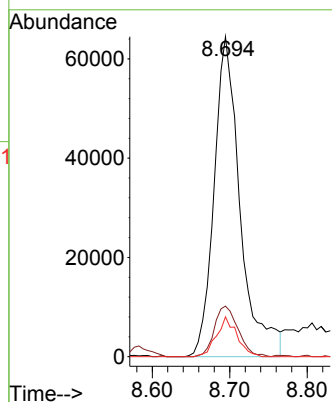
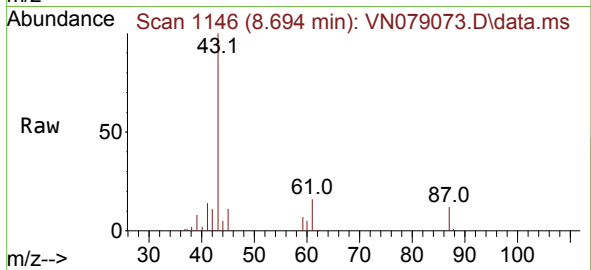




#43
Isopropyl Acetate
Concen: 18.791 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

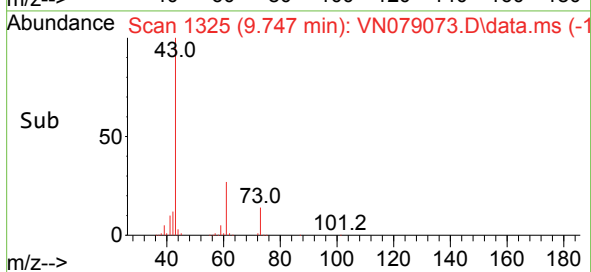
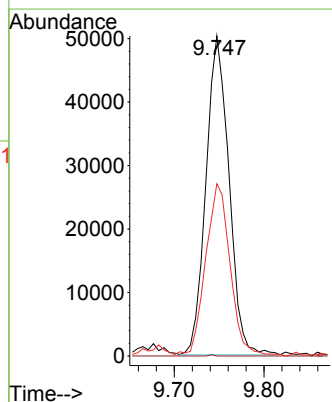
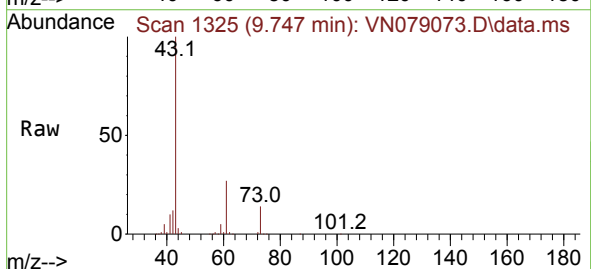
Instrument :
MSVOA_N
ClientSampleId :

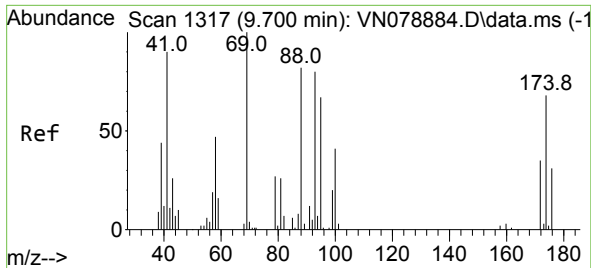
Tgt Ion: 43 Resp: 150918
Ion Ratio Lower Upper
43 100
61 14.4 24.7 37.1#
87 9.8 14.6 21.8#



#48
Methyl methacrylate
Concen: 24.578 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Tgt Ion: 41 Resp: 89448
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 57.6 54.6 81.8





#49

1,4-Dioxane

Concen: 1.742 ug/l

RT: 9.753 min Scan# 1317

Delta R.T. 0.053 min

Lab File: VN079073.D

Acq: 28 Aug 2023 17:44

Instrument :

MSVOA_N

ClientSampleId :

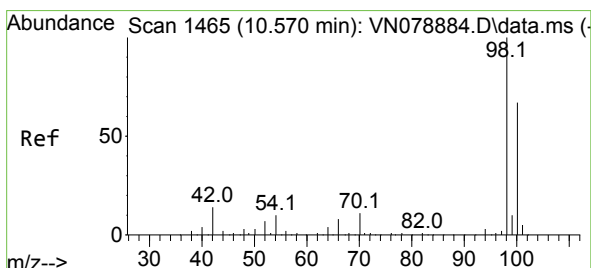
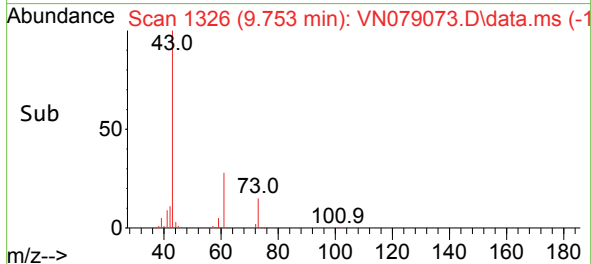
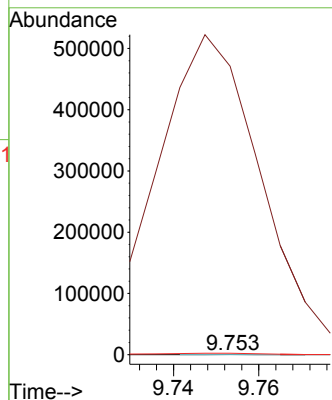
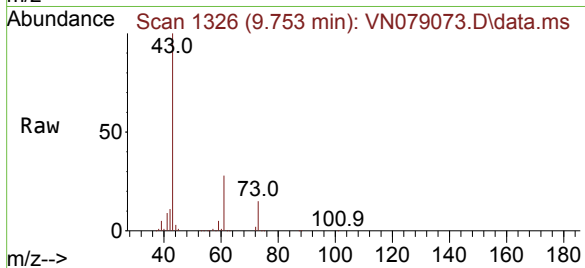
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 859896.3 17.0 25.6#

58 4130.6 47.0 70.4#



#50

Toluene-d8

Concen: 49.231 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079073.D

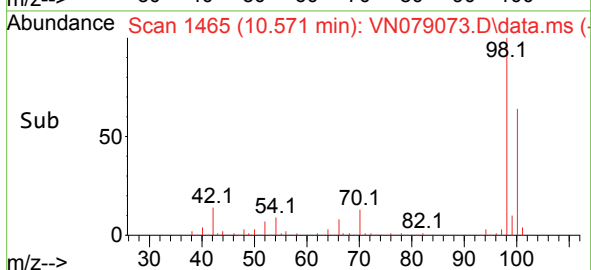
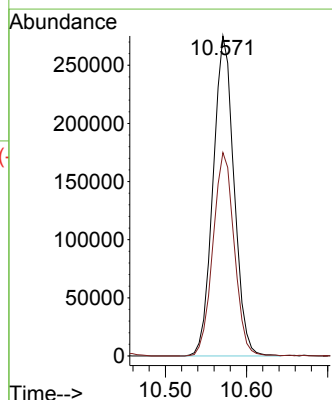
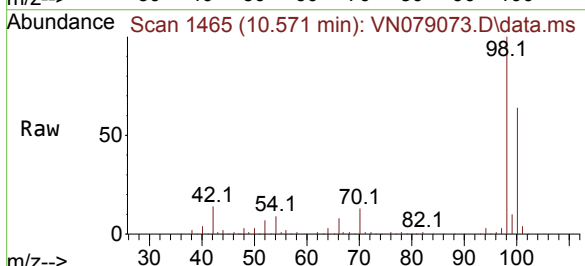
Acq: 28 Aug 2023 17:44

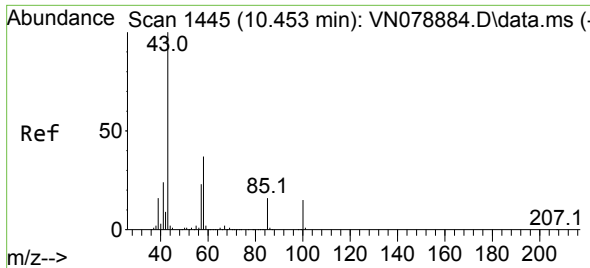
Tgt Ion: 98 Resp: 493519

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

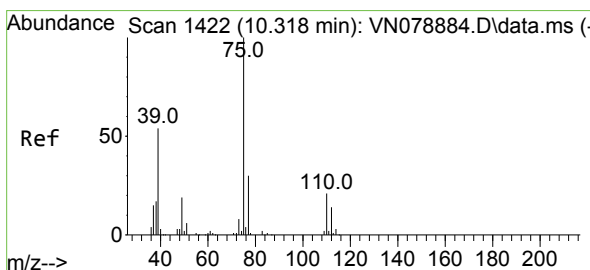
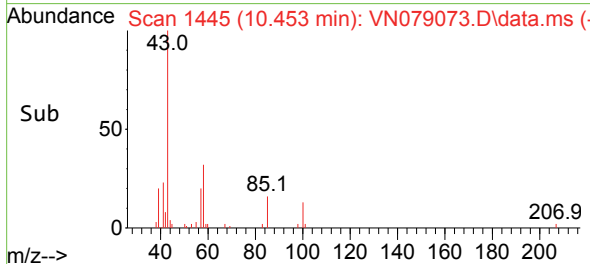
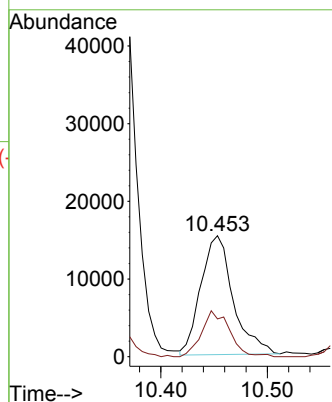
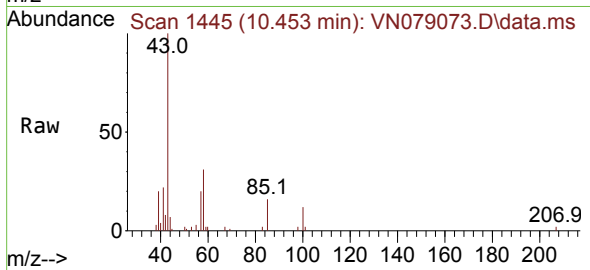




#51
4-Methyl-2-Pentanone
Concen: 6.812 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

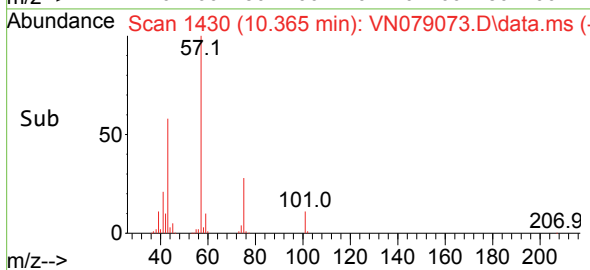
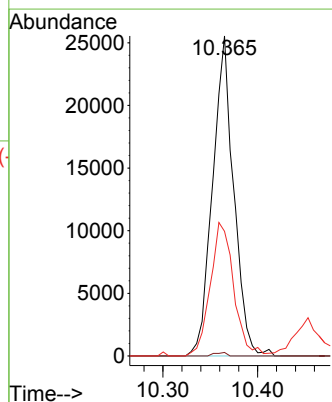
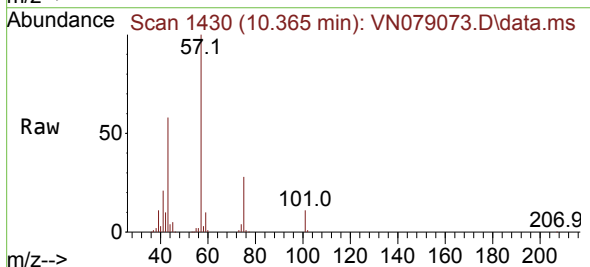
Instrument :
MSVOA_N
ClientSampleId :

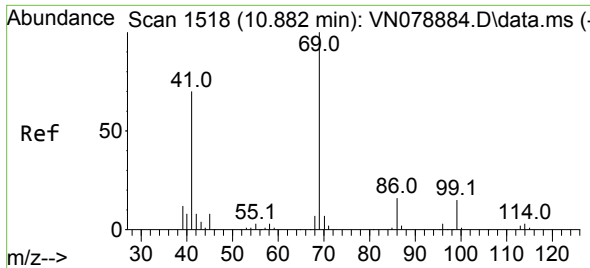
Tgt Ion: 43 Resp: 32449
Ion Ratio Lower Upper
43 100
58 33.5 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 7.820 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

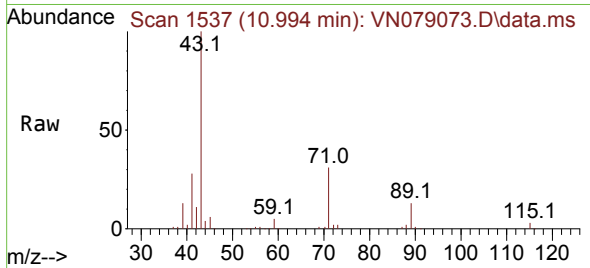
Tgt Ion: 75 Resp: 39538
Ion Ratio Lower Upper
75 100
77 1.1 26.1 39.1#
39 39.0 31.6 47.4



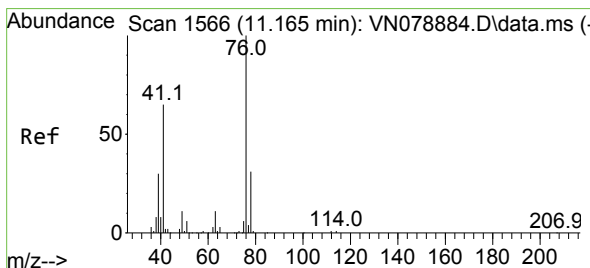
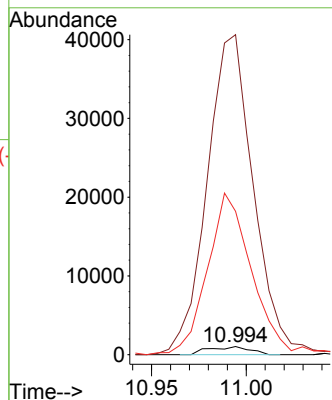
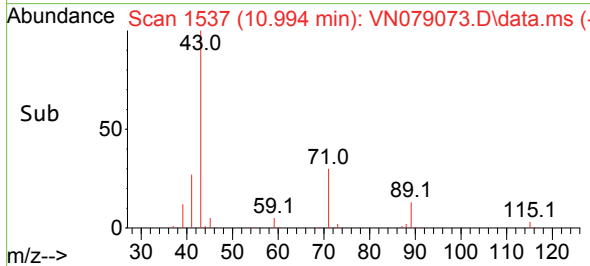


#56
Ethyl methacrylate
Concen: 0.338 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Instrument :
MSVOA_N
ClientSampleId :

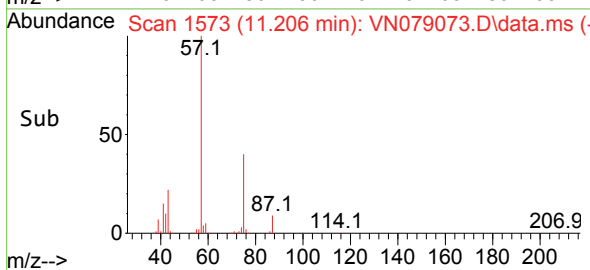
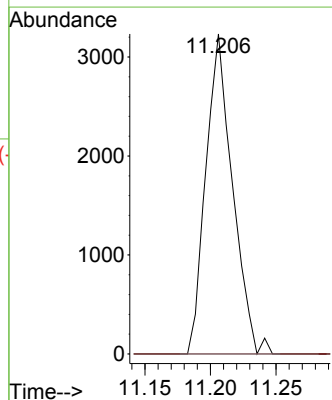
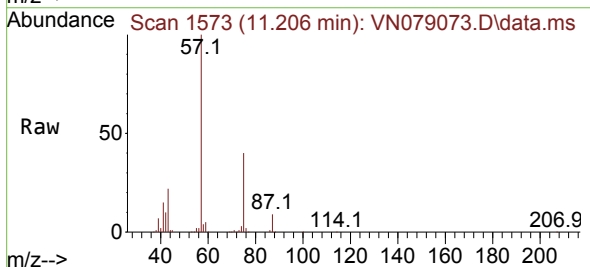


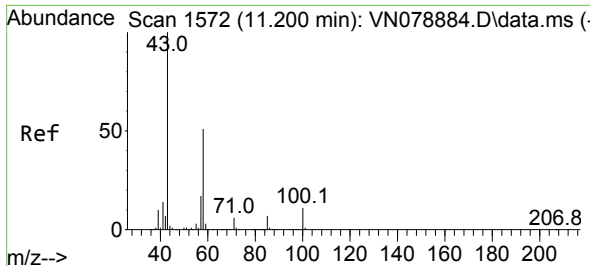
Tgt Ion: 69 Resp: 1548
Ion Ratio Lower Upper
69 100
41 4484.0 39.6 59.4#
39 2180.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.867 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

Tgt Ion: 76 Resp: 4581
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

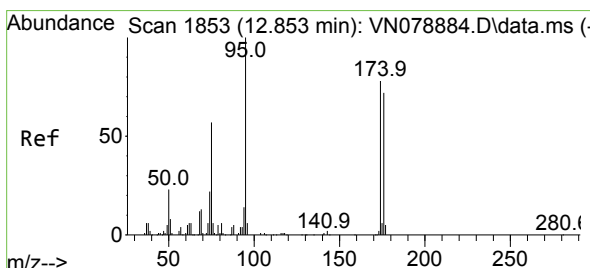
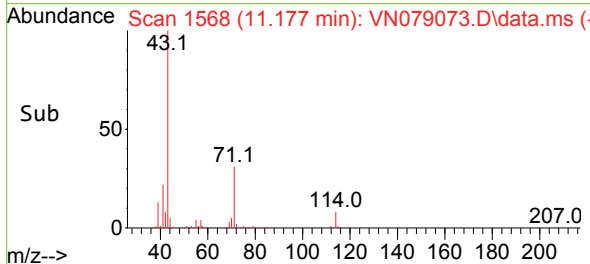
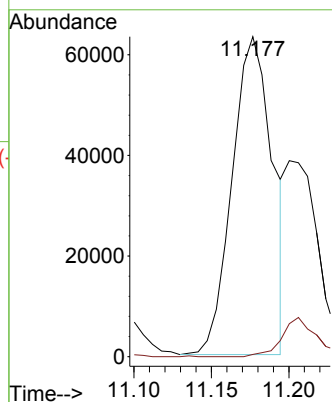
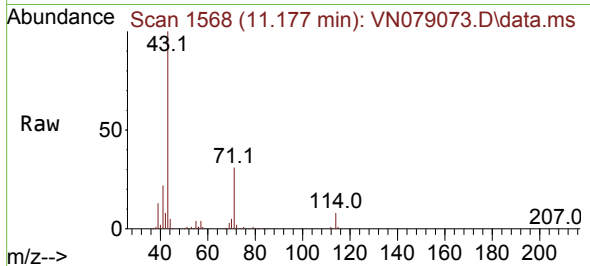




#59
2-Hexanone
Concen: 33.236 ug/l
RT: 11.177 min Scan# 1117
Delta R.T. -0.023 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

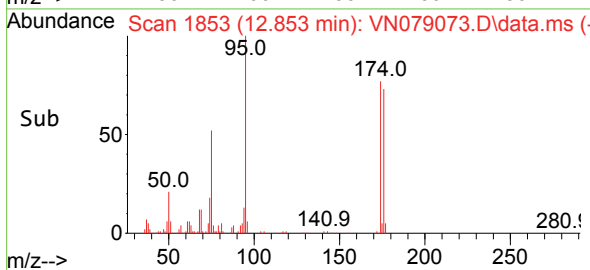
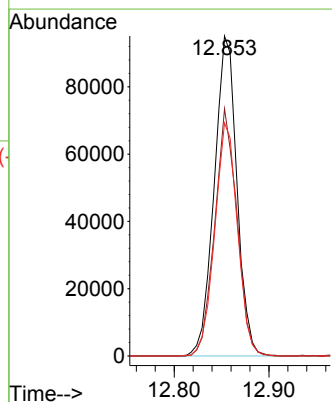
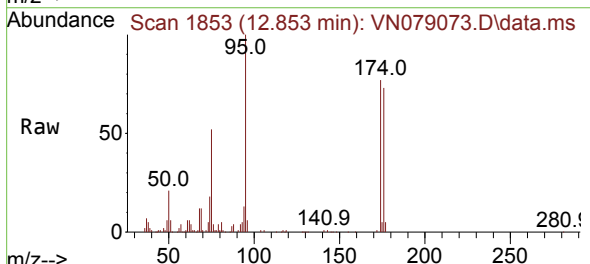
Instrument :
MSVOA_N
ClientSampleId :

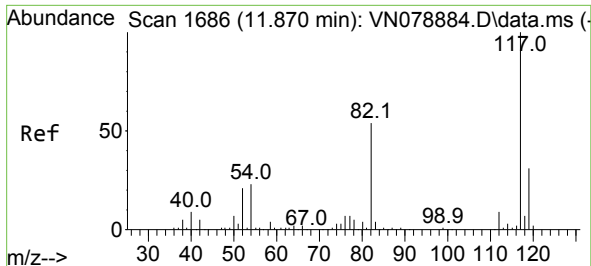
Tgt Ion: 43 Resp: 114670
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.231 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

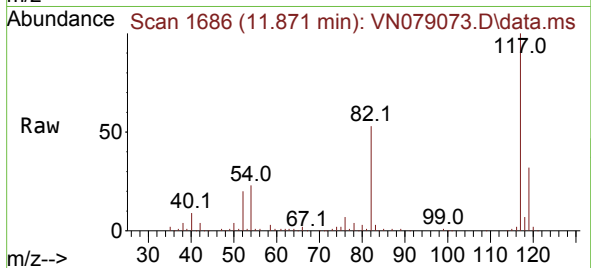
Tgt Ion: 95 Resp: 158036
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 73.1 0.0 135.8



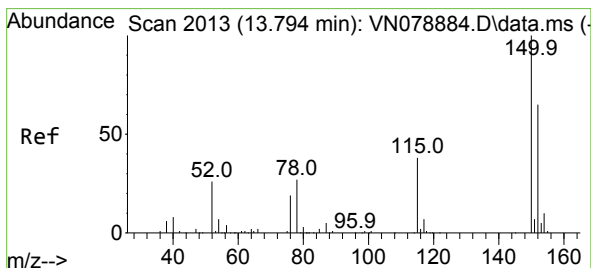
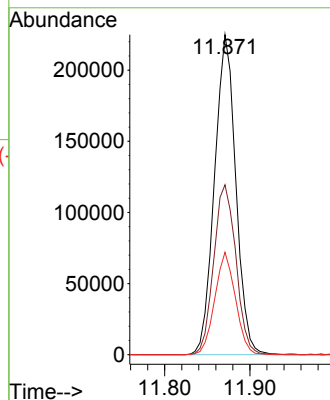
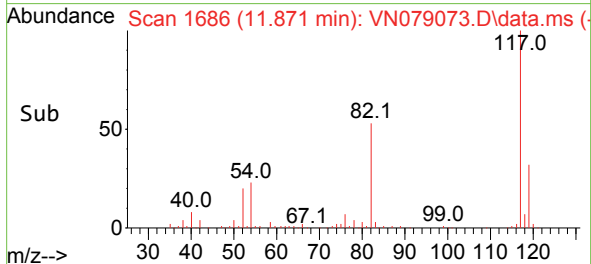


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44

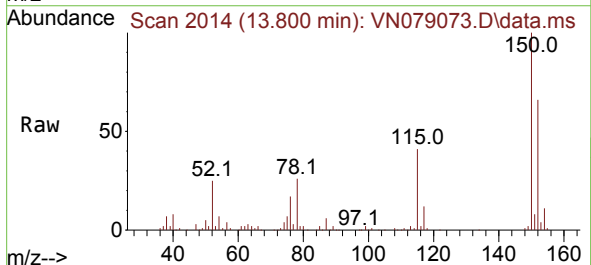
Instrument :
MSVOA_N
ClientSampleId :



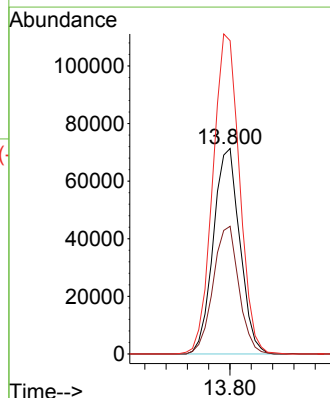
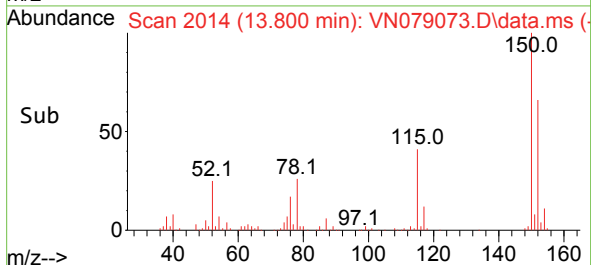
Tgt Ion:117 Resp: 391051
Ion Ratio Lower Upper
117 100
82 53.1 44.0 66.0
119 32.0 25.6 38.4

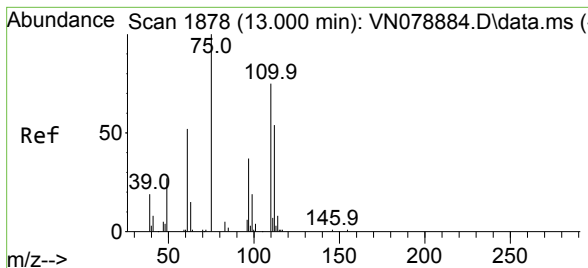


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079073.D
Acq: 28 Aug 2023 17:44



Tgt Ion:152 Resp: 123022
Ion Ratio Lower Upper
152 100
115 60.4 32.3 96.8
150 157.1 0.0 355.8

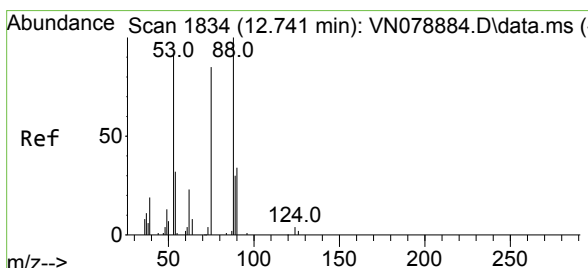
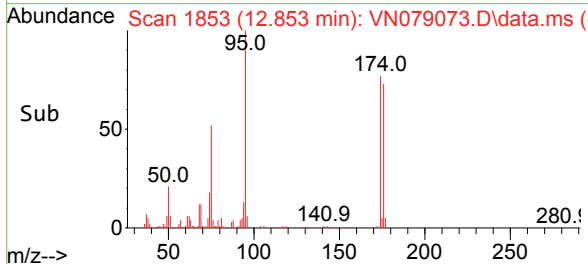
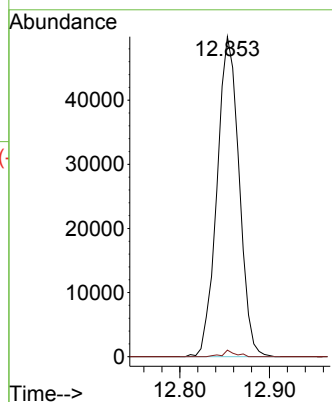
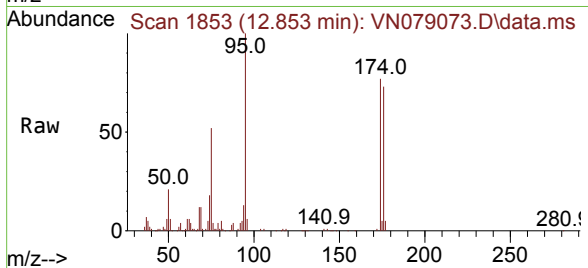




#76
 1,2,3-Trichloropropane
 Concen: 28.811 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079073.D
 Acq: 28 Aug 2023 17:44

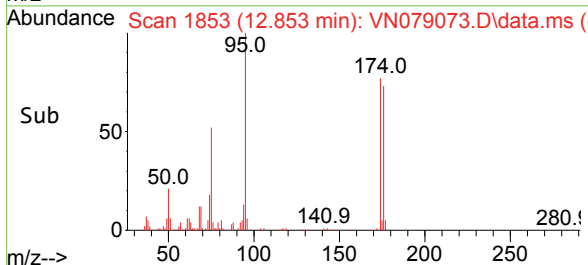
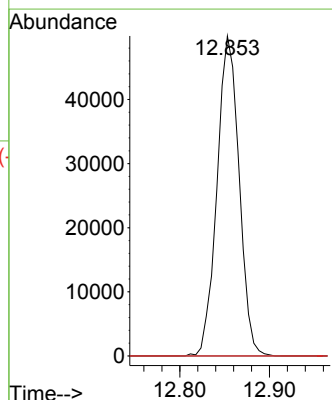
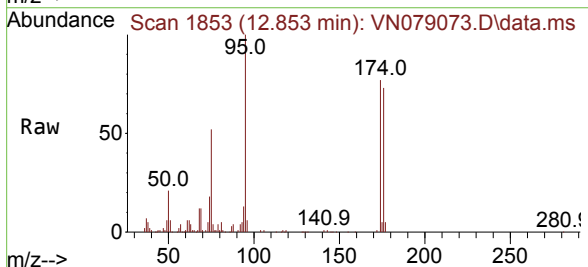
Instrument :
 MSVOA_N
 ClientSampleId :

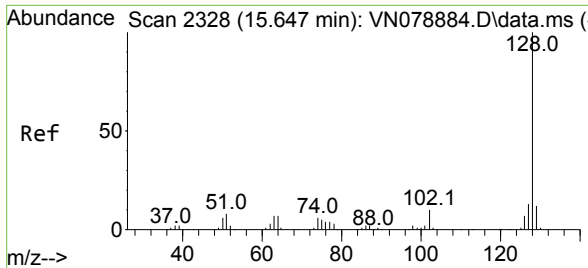
Tgt Ion: 75 Resp: 85404
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.601 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079073.D
 Acq: 28 Aug 2023 17:44

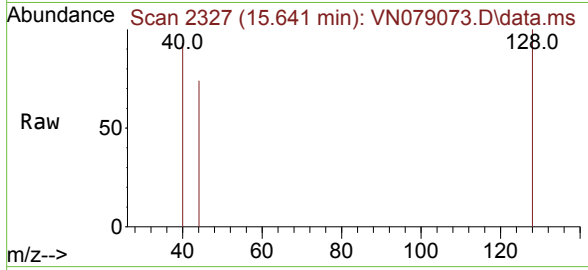
Tgt Ion: 75 Resp: 85404
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 2.653 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN079073.D
 Acq: 28 Aug 2023 17:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	468
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

