

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080086.D
 Acq On : 14 Nov 2023 14:03
 Operator : JC\MD
 Sample : PB157075ZHE#20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 03:56:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

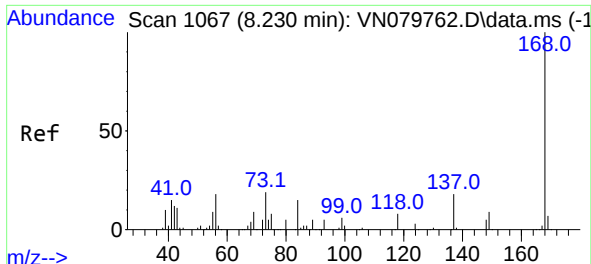
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	166716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	325795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	367212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	158698	62.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.960%			
35) Dibromofluoromethane	8.171	113	125271	54.328	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.660%			
50) Toluene-d8	10.570	98	463835	54.642	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.280%			
62) 4-Bromofluorobenzene	12.853	95	175857	62.466	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 124.940%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	630	Below Cal	#	42
11) Tert butyl alcohol	5.535	59	68	0.210	ug/l #	72
16) Acetone	4.430	43	22055	24.720	ug/l #	86
18) Methyl Acetate	5.030	43	2123	0.497	ug/l #	64
20) Methylene Chloride	5.277	84	7253	3.222	ug/l #	74
25) 2-Butanone	7.494	43	1251	0.958	ug/l #	37
31) Cyclohexane	8.224	56	4562	1.359	ug/l #	28
36) 1,1-Dichloropropene	8.229	75	14846	4.509	ug/l #	47
37) Ethyl Acetate	7.571	43	2759	0.914	ug/l #	70
38) Carbon Tetrachloride	8.229	117	20161	6.076	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1174	0.341	ug/l #	73
43) Isopropyl Acetate	8.688	43	129559	24.467	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1577	0.626	ug/l #	45
48) Methyl methacrylate	9.741	41	117585	50.696	ug/l #	29
49) 1,4-Dioxane	9.741	88	143	3.489	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	5037	1.690	ug/l	97
53) t-1,3-Dichloropropene	10.735	75	1031	0.287	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	54099	13.796	ug/l #	69
56) Ethyl methacrylate	10.988	69	2421	0.722	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	6578	1.587	ug/l #	42
59) 2-Hexanone	11.176	43	115160	50.495	ug/l #	19
71) Bromoform	12.853	173	861	0.422	ug/l #	1
74) N-amyl acetate	12.488	43	1360	0.265	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	100128	27.551	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100128	74.960	ug/l #	15

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

Quant Time: Nov 15 03:56:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration

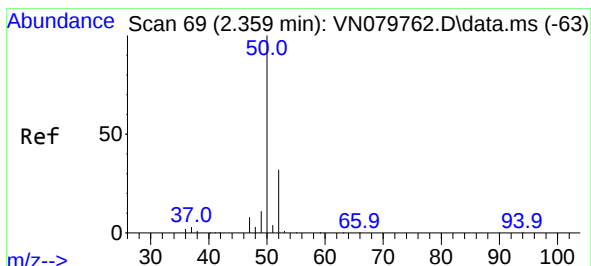
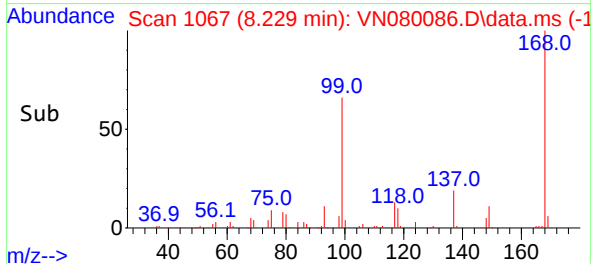
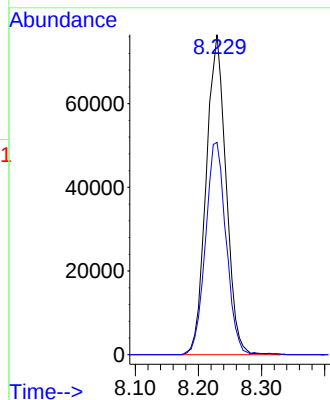
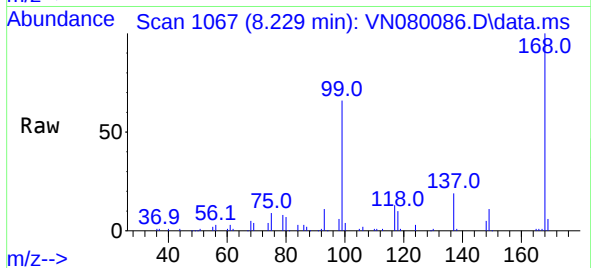




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

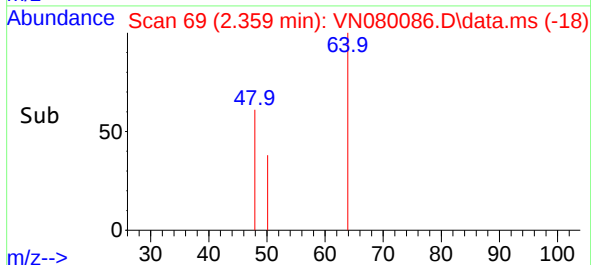
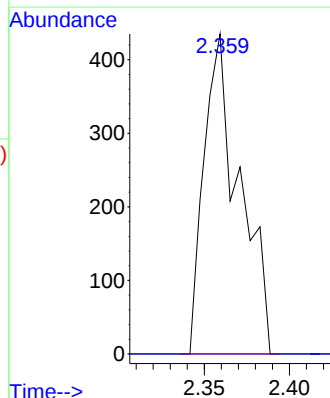
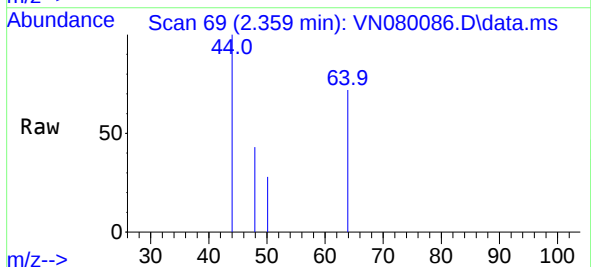
Instrument :
MSVOA_N
ClientSampleId :

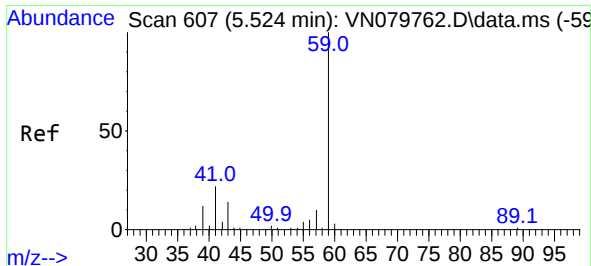
Tgt Ion:168 Resp: 166716
Ion Ratio Lower Upper
168 100
99 66.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 50 Resp: 630
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.210 ug/l

RT: 5.535 min Scan# 607

Delta R.T. 0.018 min

Lab File: VN080086.D

Acq: 14 Nov 2023 14:03

Instrument :

MSVOA_N

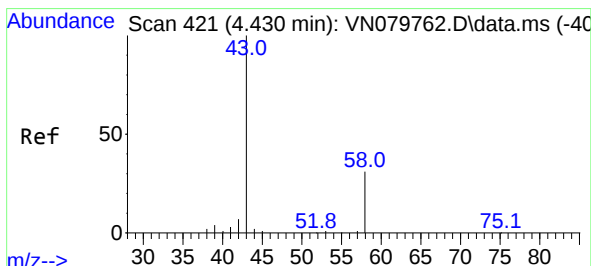
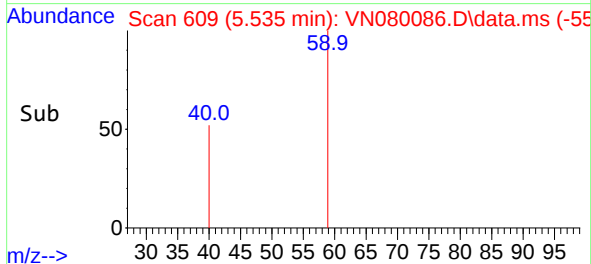
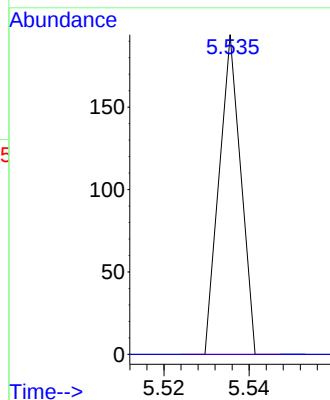
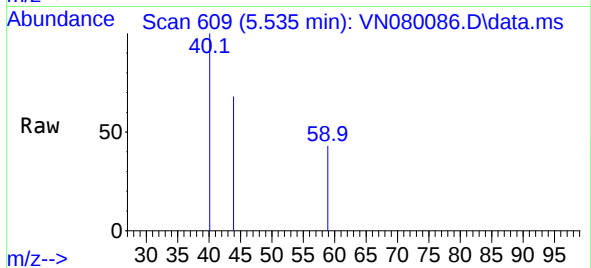
ClientSampleId :

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 24.720 ug/l

RT: 4.430 min Scan# 421

Delta R.T. -0.000 min

Lab File: VN080086.D

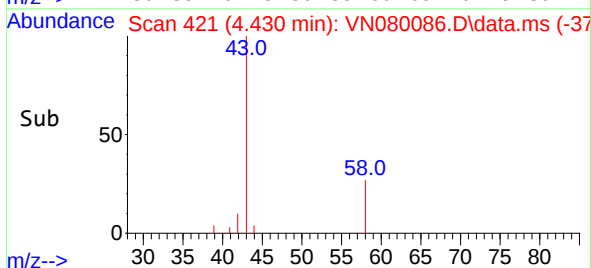
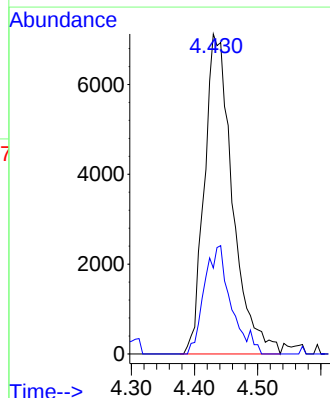
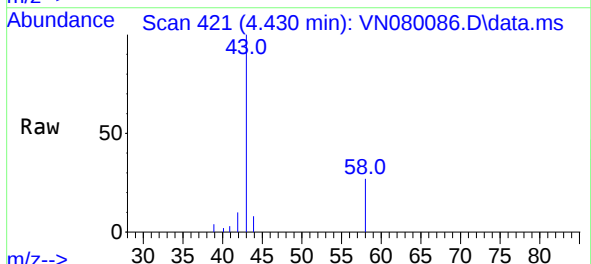
Acq: 14 Nov 2023 14:03

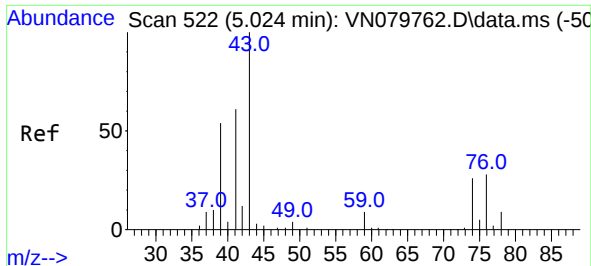
Tgt Ion: 43 Resp: 22055

Ion Ratio Lower Upper

43 100

58 26.8 28.0 42.0#

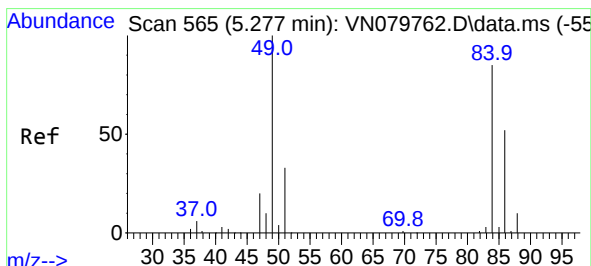
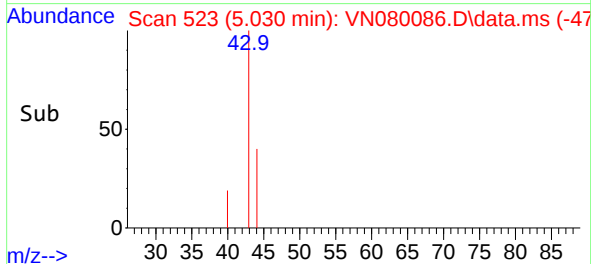
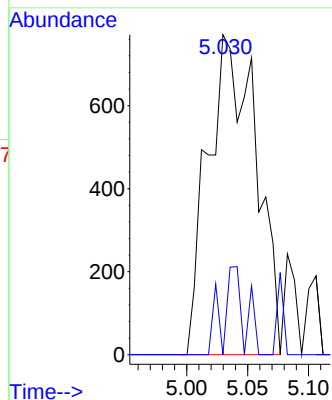
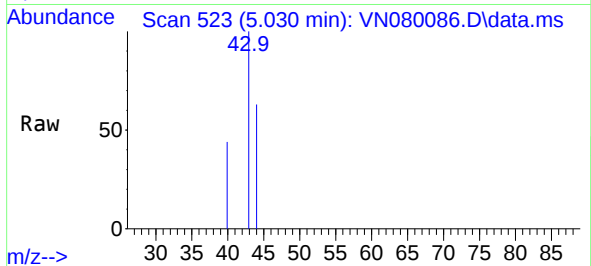




#18
Methyl Acetate
Concen: 0.497 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

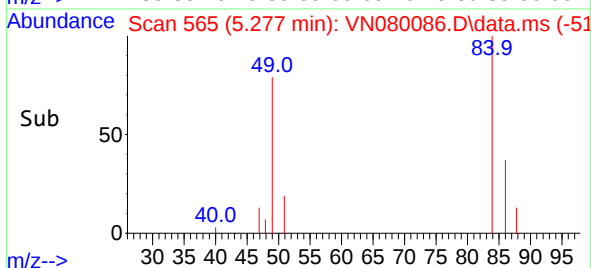
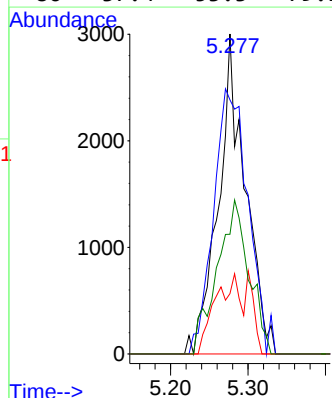
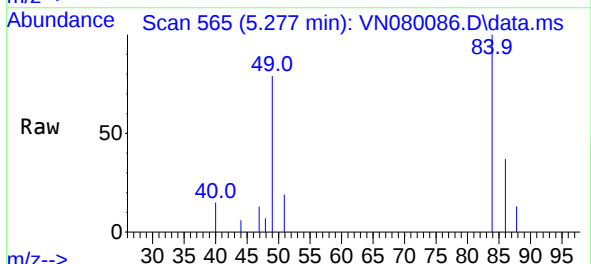
Instrument :
MSVOA_N
ClientSampleId :

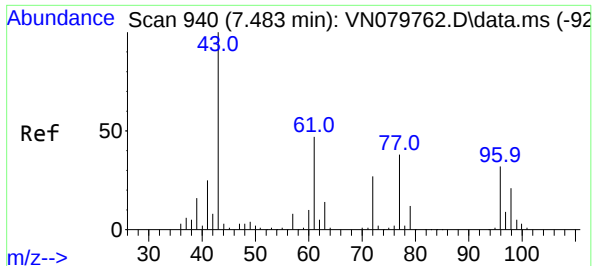
Tgt Ion: 43 Resp: 2123
Ion Ratio Lower Upper
43 100
74 12.6 26.2 39.4#



#20
Methylene Chloride
Concen: 3.222 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 84 Resp: 7253
Ion Ratio Lower Upper
84 100
49 79.4 79.7 119.5#
51 18.8 25.2 37.8#
86 37.4 53.3 79.9#

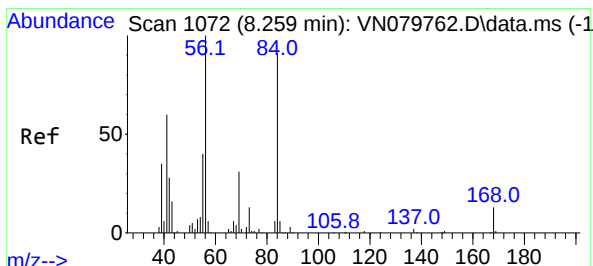
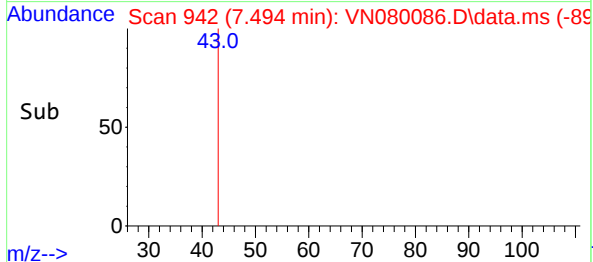
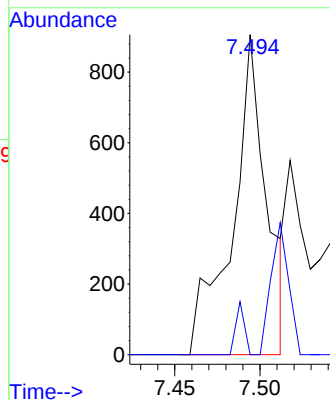
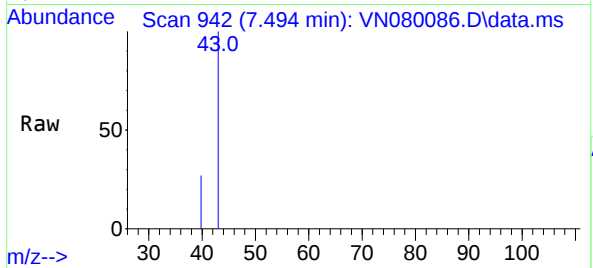




#25
2-Butanone
Concen: 0.958 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

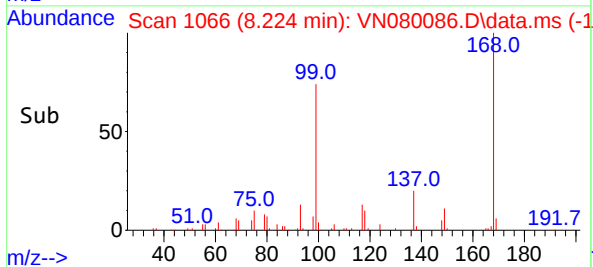
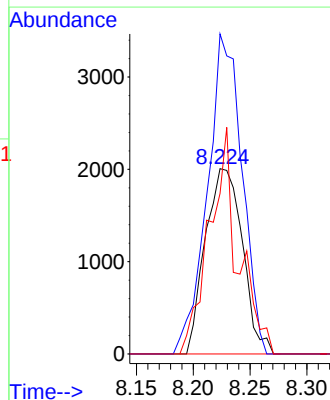
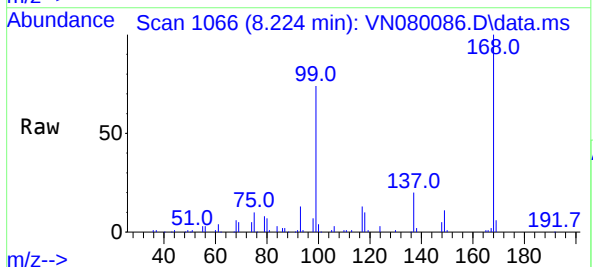
Instrument :
MSVOA_N
ClientSampleId :

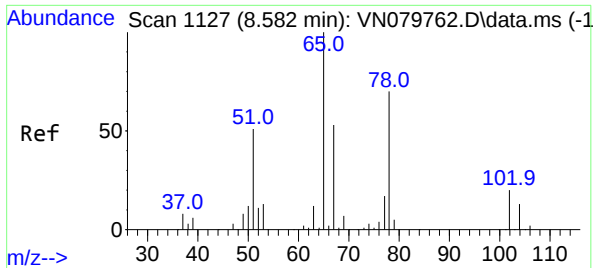
Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.359 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 56 Resp: 4562
Ion Ratio Lower Upper
56 100
69 172.7 26.8 40.2#
84 86.6 81.8 122.6

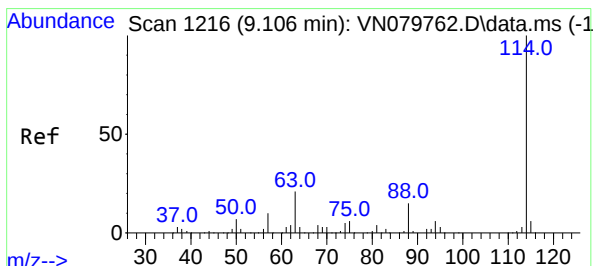
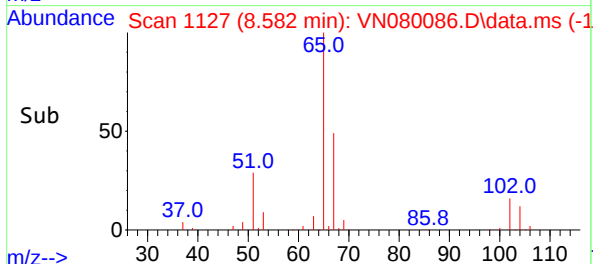
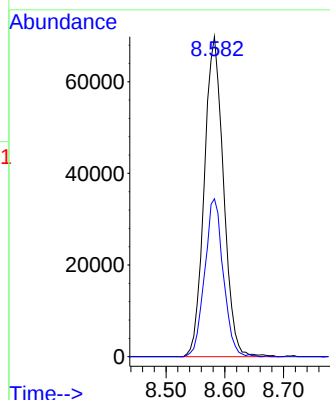
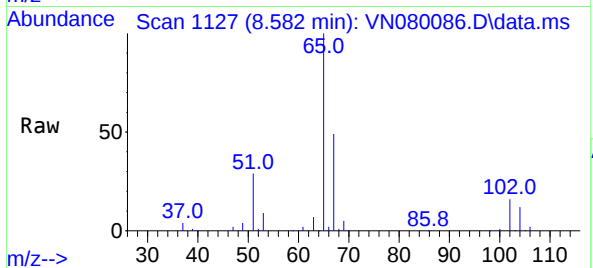




#33
1,2-Dichloroethane-d4
Concen: 62.480 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

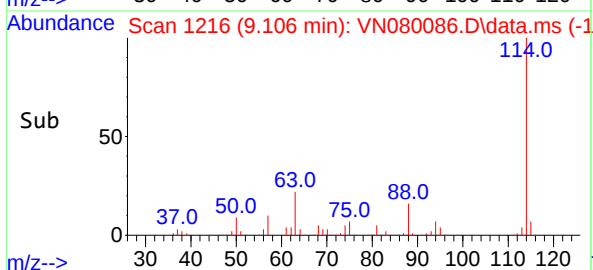
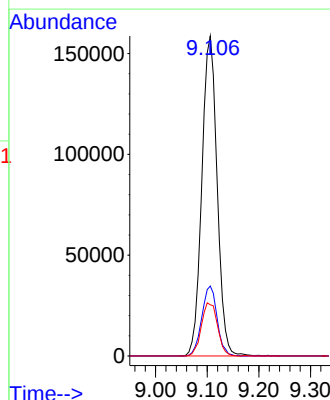
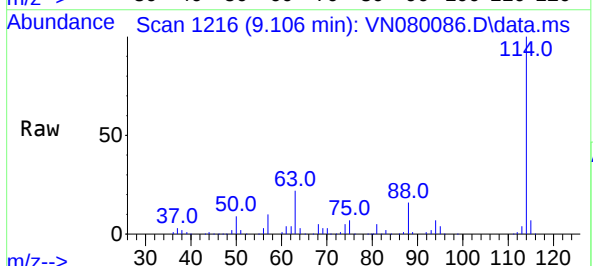
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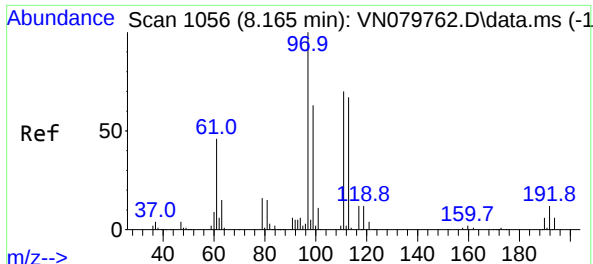
Tgt Ion: 65 Resp: 158698
Ion Ratio Lower Upper
65 100
67 47.7 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

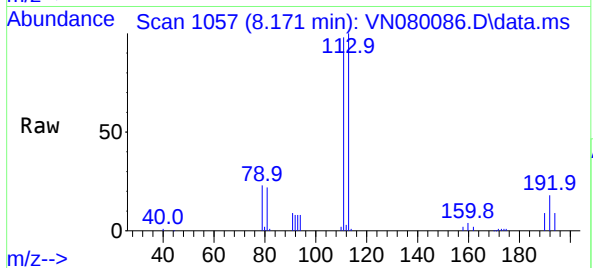
Tgt Ion: 114 Resp: 325795
Ion Ratio Lower Upper
114 100
63 21.9 0.0 36.4
88 16.0 0.0 30.6



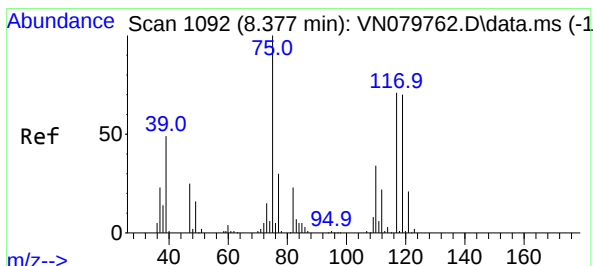
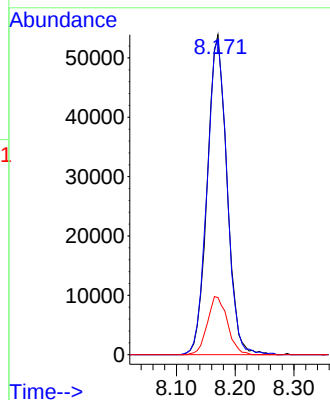
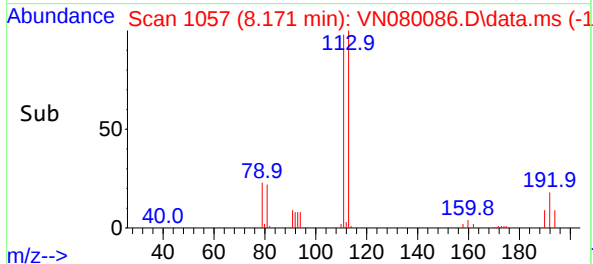


#35
Dibromofluoromethane
Concen: 54.328 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_N
ClientSampleId :

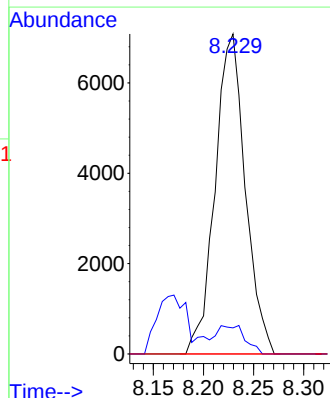
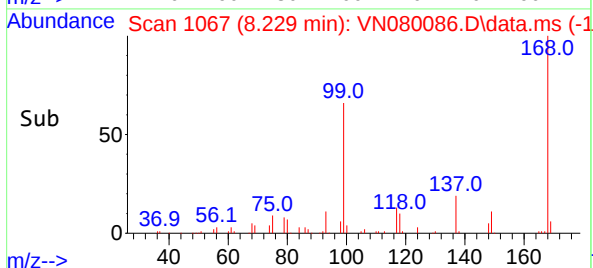
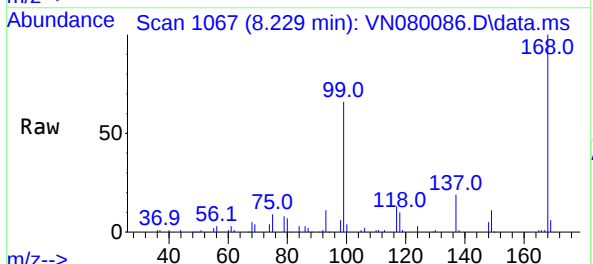


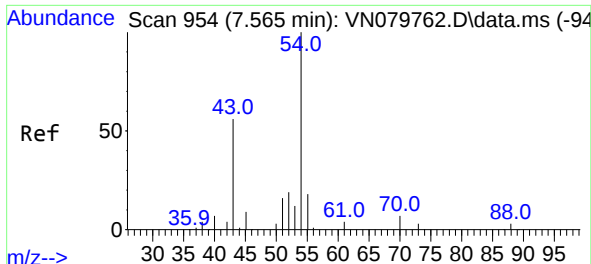
Tgt Ion:113 Resp: 125271
Ion Ratio Lower Upper
113 100
111 100.4 82.6 123.8
192 18.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.509 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

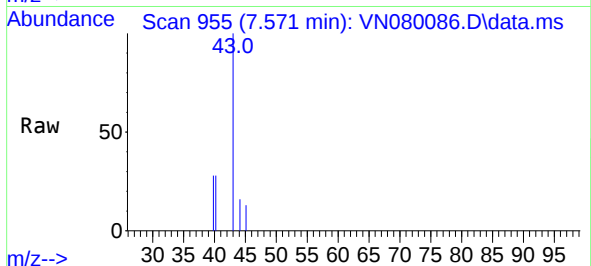
Tgt Ion: 75 Resp: 14846
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



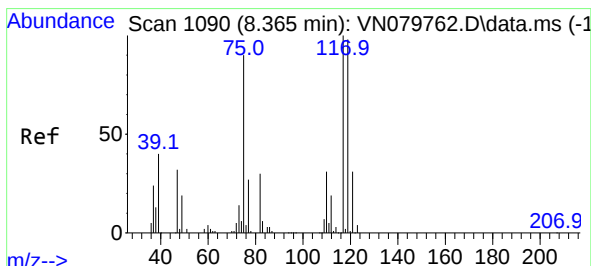
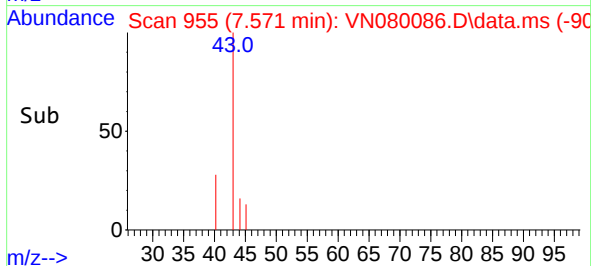
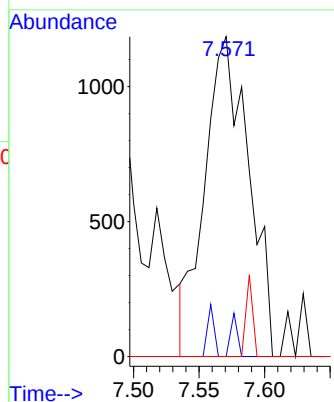


#37
Ethyl Acetate
Concen: 0.914 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_N
ClientSampleId :

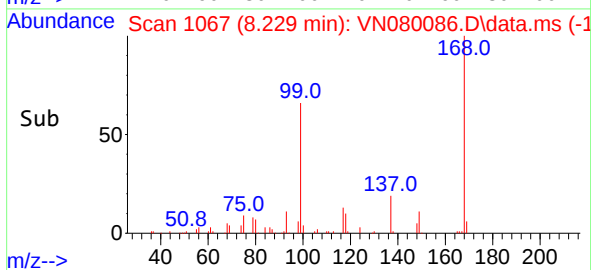
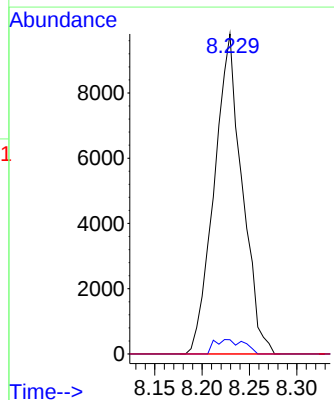
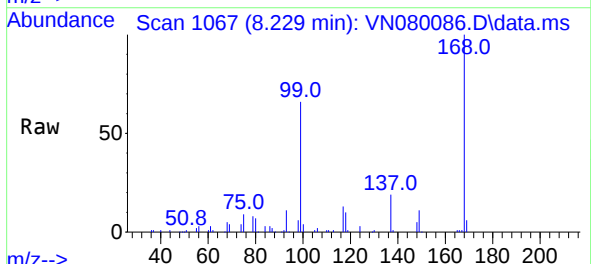


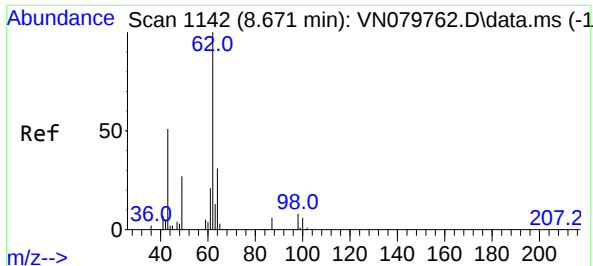
Tgt Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
61 2.0 13.2 19.8#
70 3.9 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 117 Resp: 20161
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#

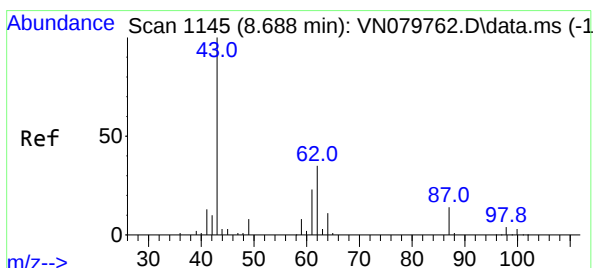
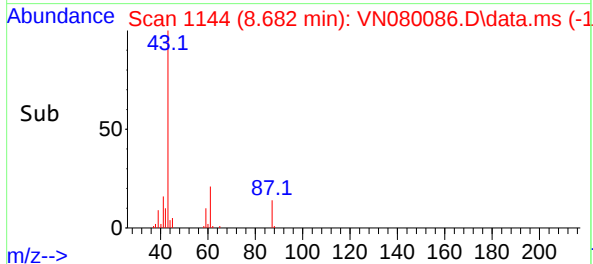
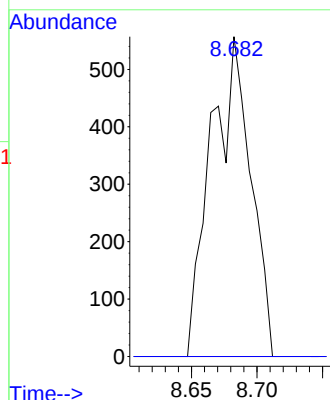
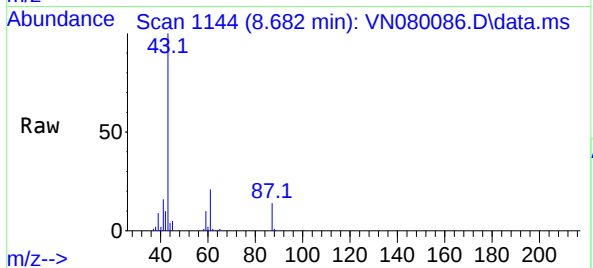




#42
1,2-Dichloroethane
Concen: 0.341 ug/l
RT: 8.682 min Scan# 1142
Delta R.T. 0.012 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

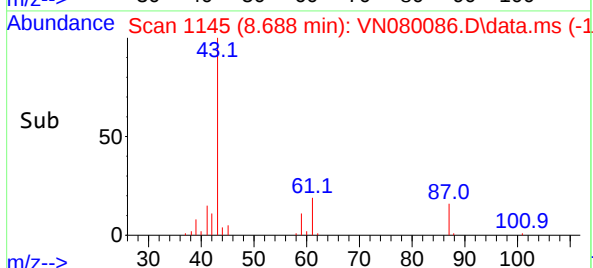
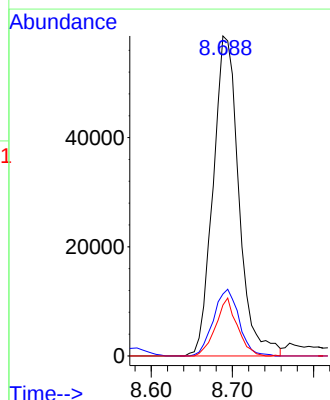
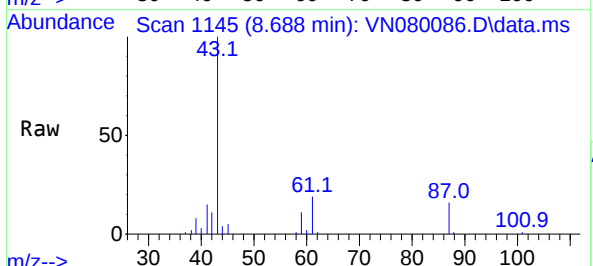
Instrument :
MSVOA_N
ClientSampleId :

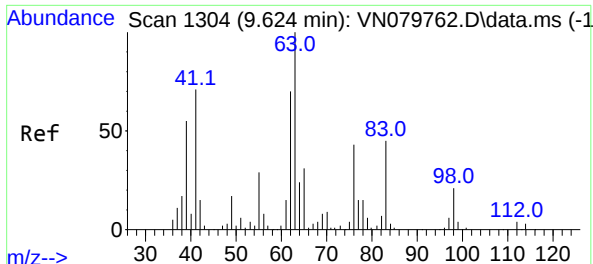
Tgt Ion: 62 Resp: 1174
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 24.467 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 43 Resp: 129559
Ion Ratio Lower Upper
43 100
61 20.6 24.7 37.1#
87 15.1 14.6 21.8

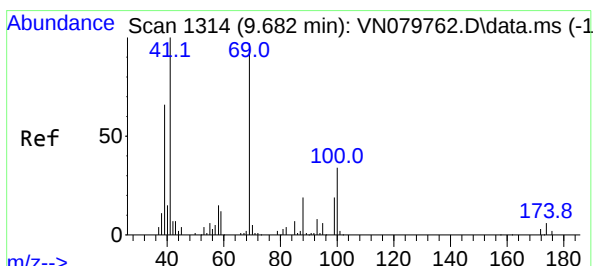
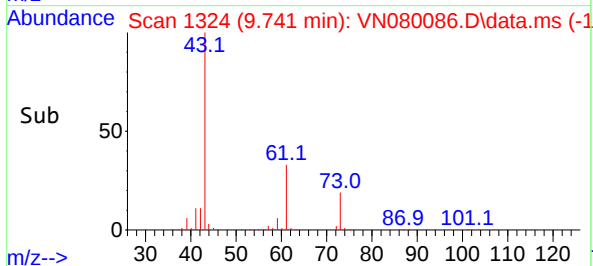
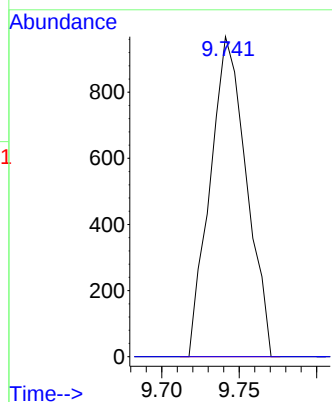
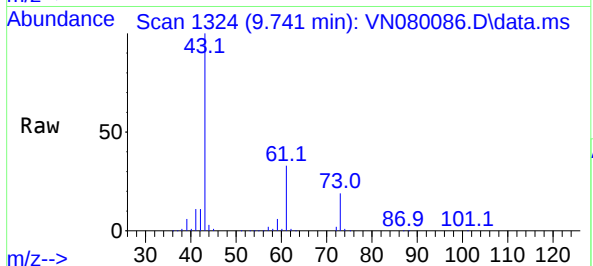




#45
1,2-Dichloropropane
Concen: 0.626 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

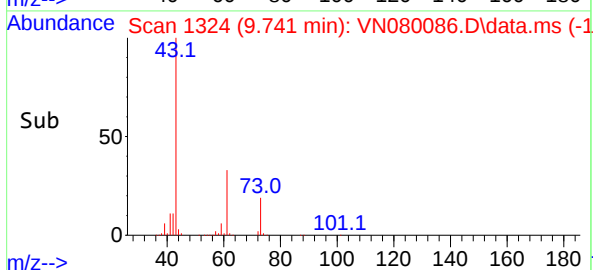
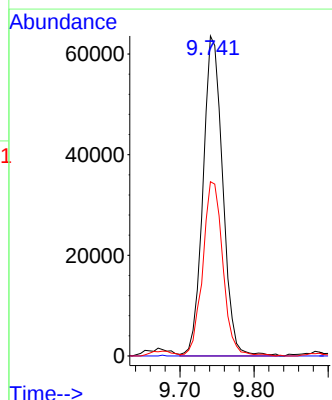
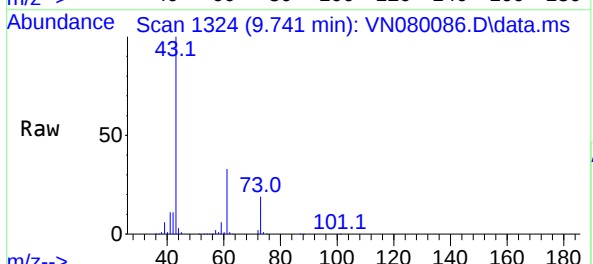
Instrument :
MSVOA_N
ClientSampleId :

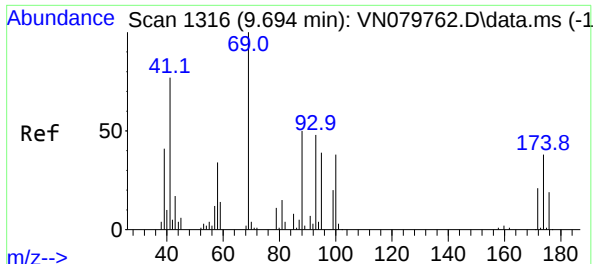
Tgt Ion: 63 Resp: 1577
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 50.696 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

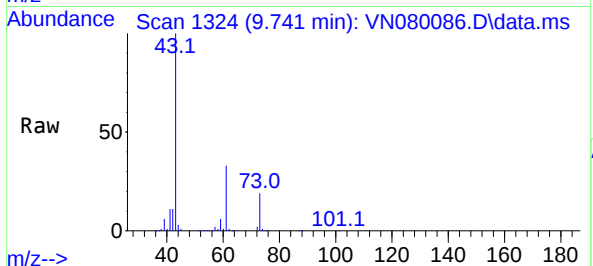
Tgt Ion: 41 Resp: 117585
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 55.8 54.6 81.8



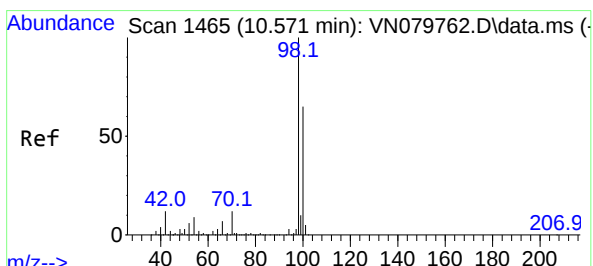
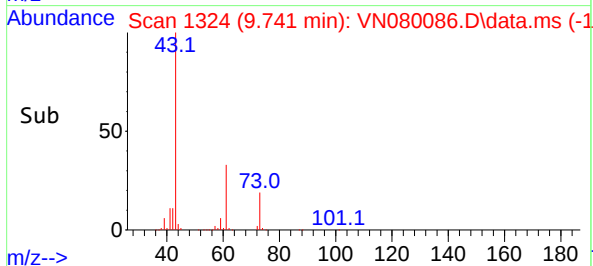
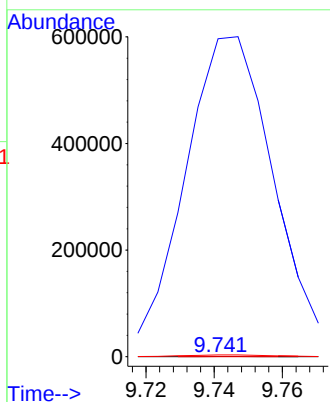


#49
1,4-Dioxane
Concen: 3.489 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_N
ClientSampleId :

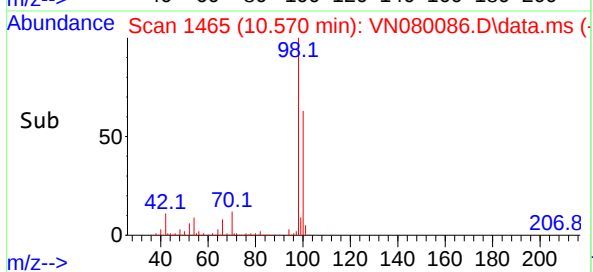
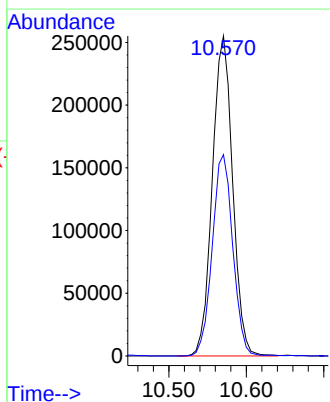
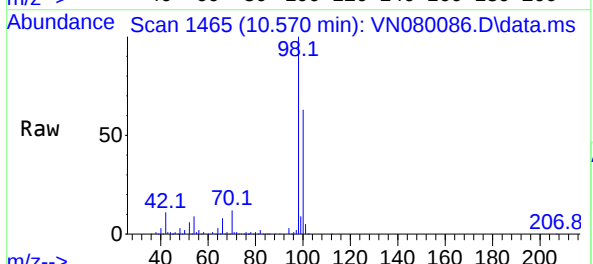


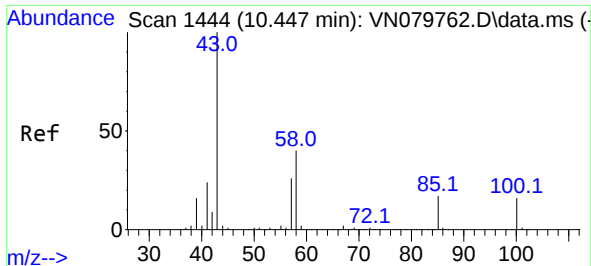
Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 778160.8 17.0 25.6#
58 4243.4 47.0 70.4#



#50
Toluene-d8
Concen: 54.642 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 98 Resp: 463835
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

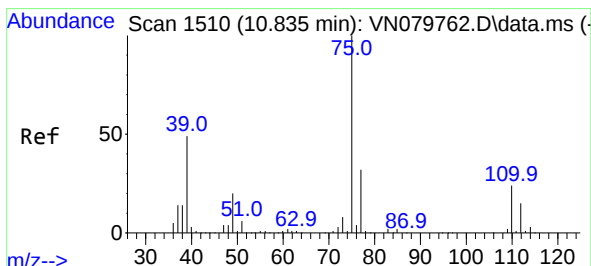
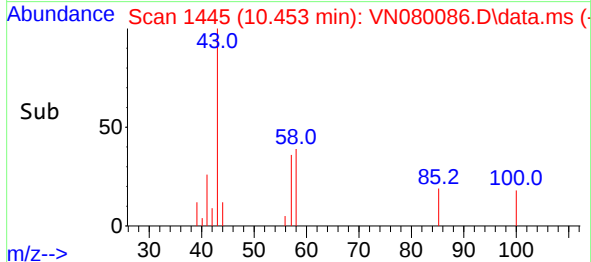
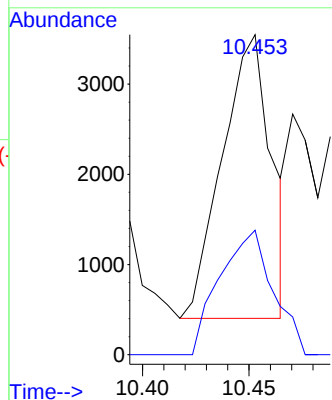
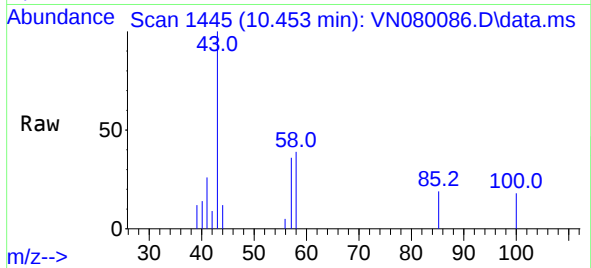




#51
4-Methyl-2-Pentanone
Concen: 1.690 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

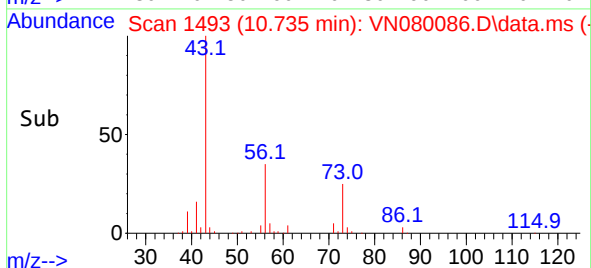
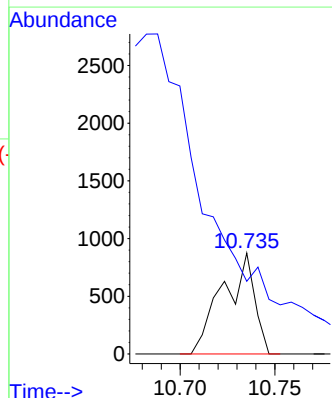
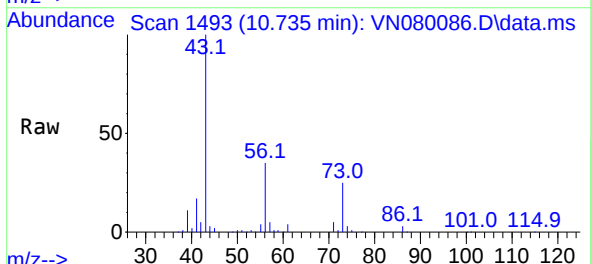
Instrument :
MSVOA_N
ClientSampleId :

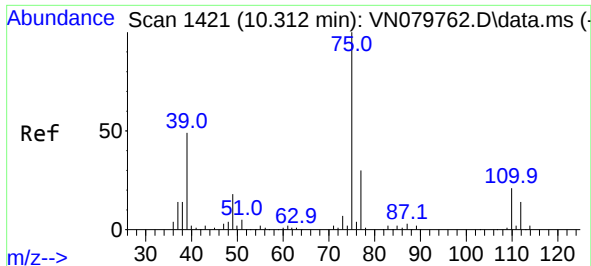
Tgt Ion: 43 Resp: 5037
Ion Ratio Lower Upper
43 100
58 47.8 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.287 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 75 Resp: 1031
Ion Ratio Lower Upper
75 100
77 23.3 25.4 38.0#

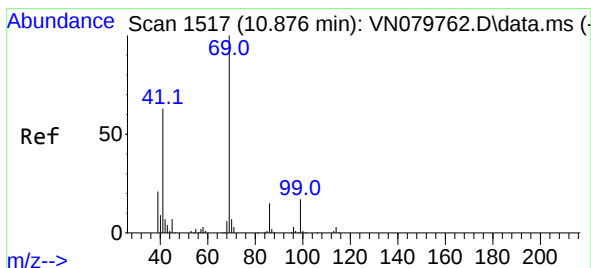
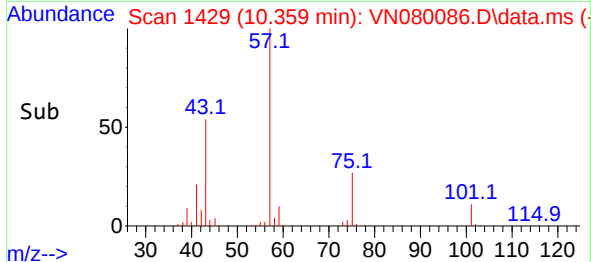
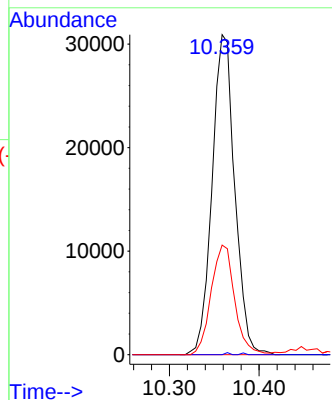
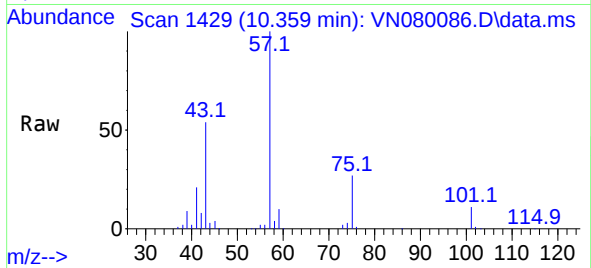




#54
cis-1,3-Dichloropropene
Concen: 13.796 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

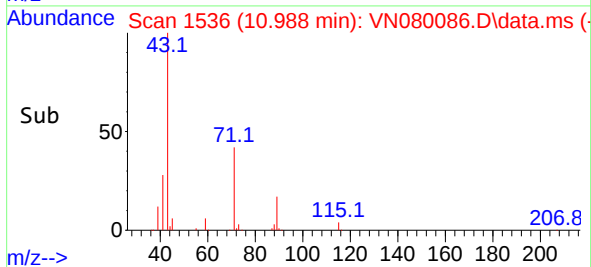
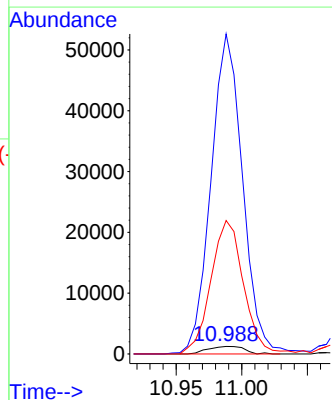
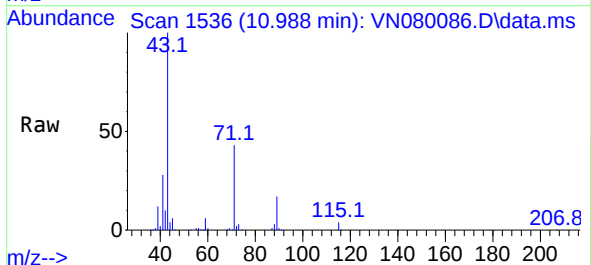
Instrument :
MSVOA_N
ClientSampleId :

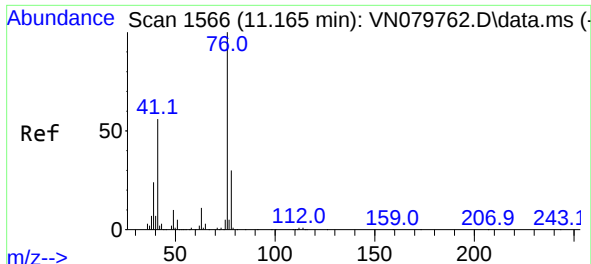
Tgt Ion: 75 Resp: 54099
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 34.2 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.722 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 69 Resp: 2421
Ion Ratio Lower Upper
69 100
41 3653.1 39.6 59.4#
39 1570.8 28.6 43.0#

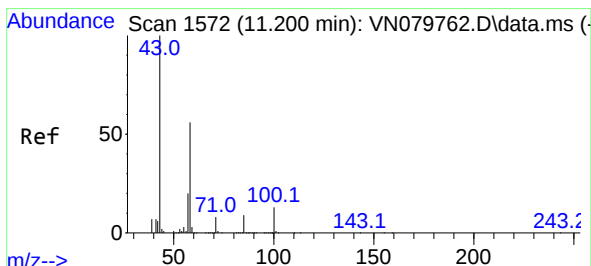
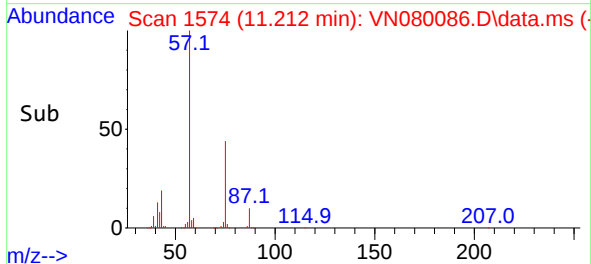
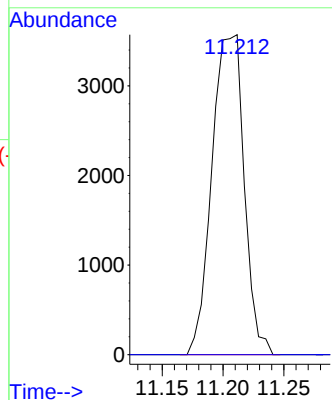
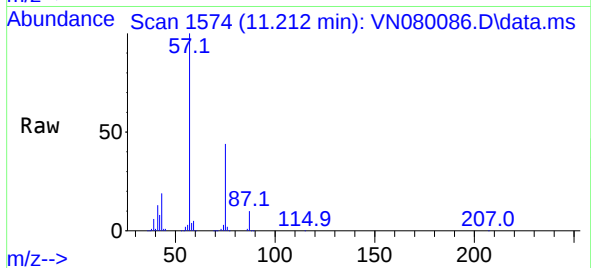




#57
1,3-Dichloropropane
Concen: 1.587 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

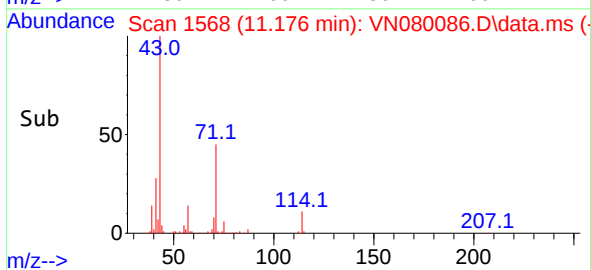
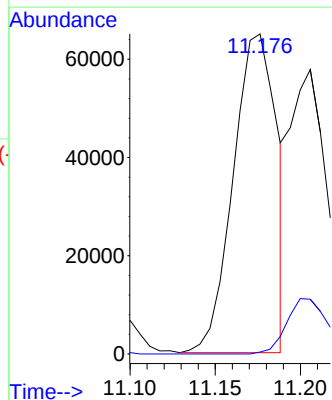
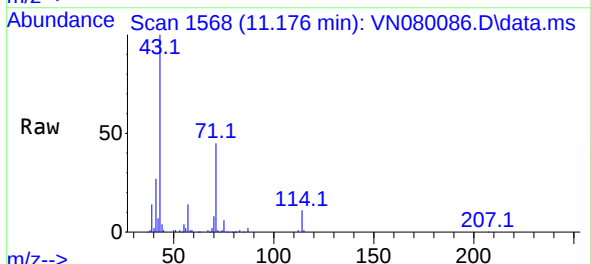
Instrument :
MSVOA_N
ClientSampleId :

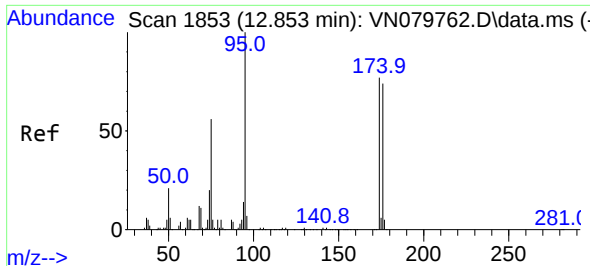
Tgt Ion: 76 Resp: 6578
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 50.495 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 43 Resp: 115160
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

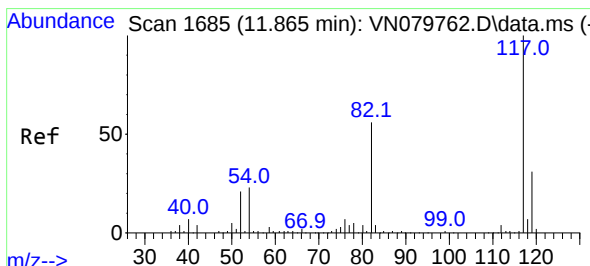
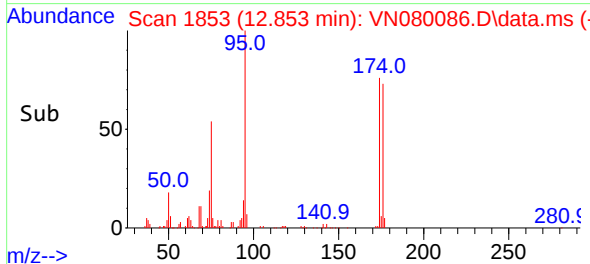
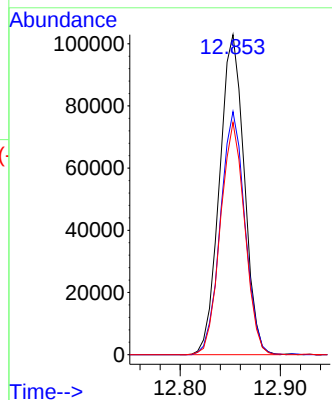
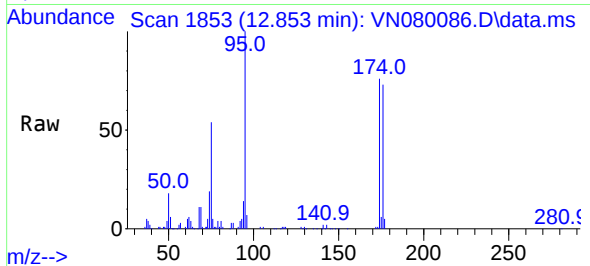




#62
4-Bromofluorobenzene
Concen: 62.466 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

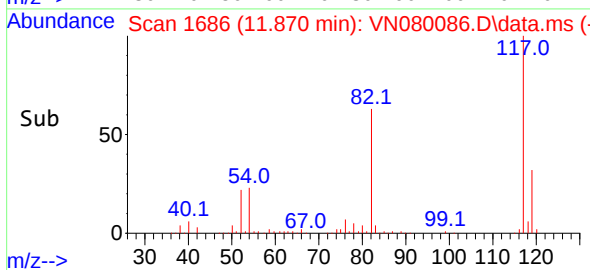
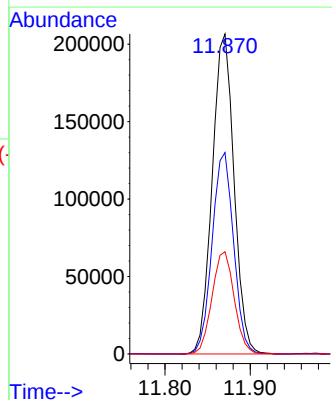
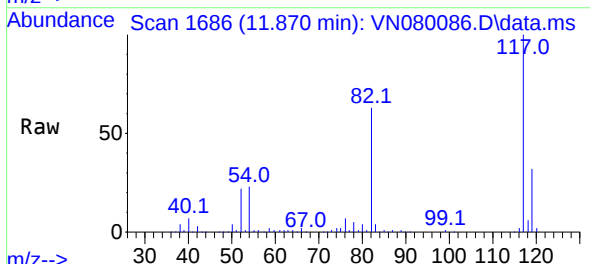
Instrument :
MSVOA_N
ClientSampleId :

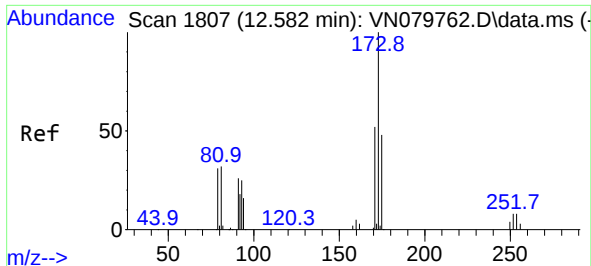
Tgt Ion: 95 Resp: 175857
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 117 Resp: 367212
Ion Ratio Lower Upper
117 100
82 62.9 44.0 66.0
119 32.0 25.6 38.4

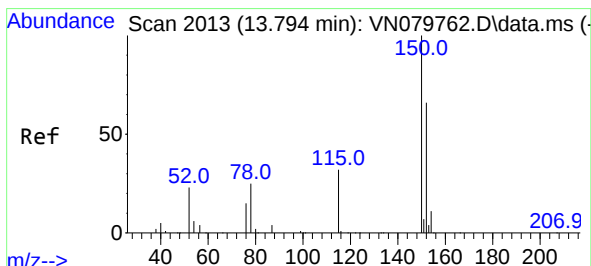
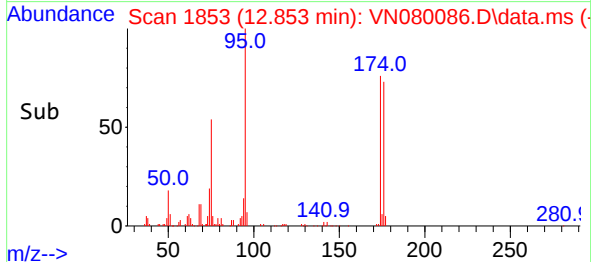
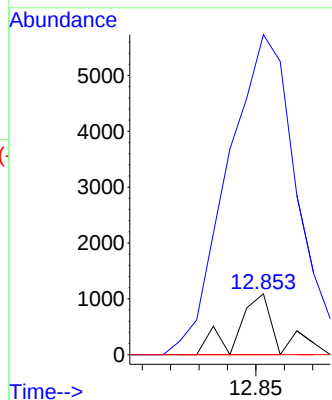
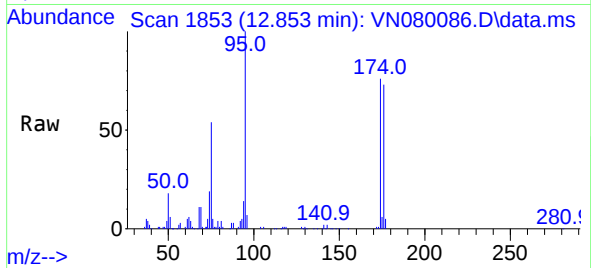




#71
Bromoform
Concen: 0.422 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

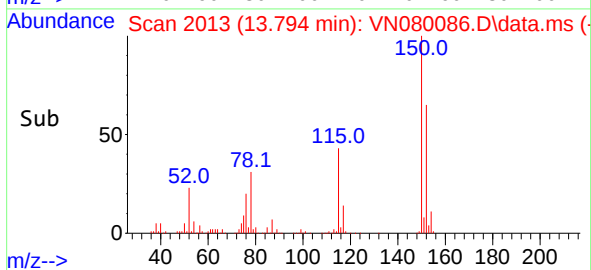
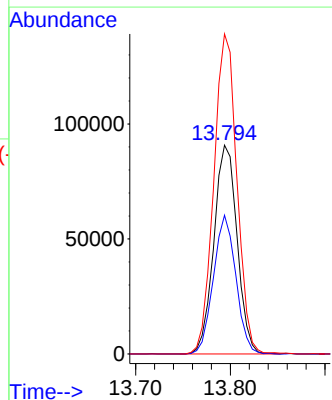
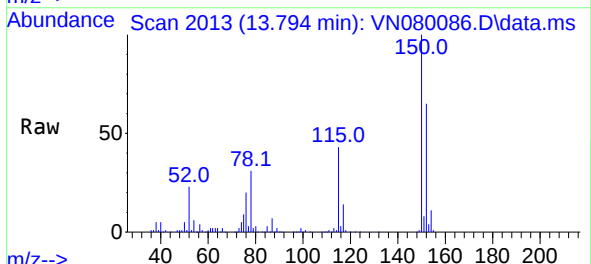
Instrument :
MSVOA_N
ClientSampleId :

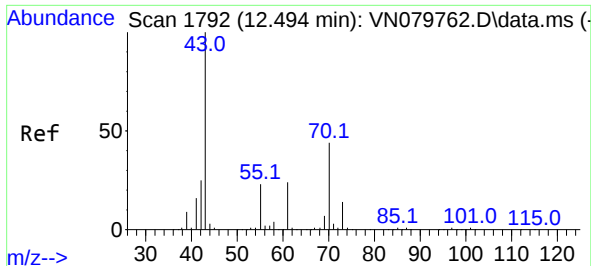
Tgt Ion:173 Resp: 861
Ion Ratio Lower Upper
173 100
175 913.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

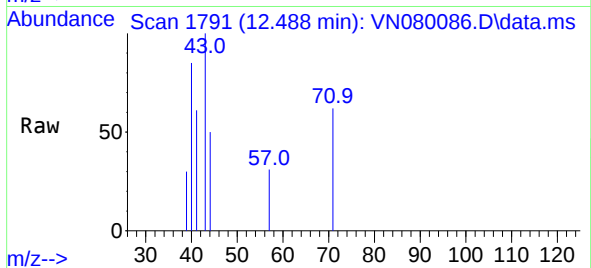
Tgt Ion:152 Resp: 154801
Ion Ratio Lower Upper
152 100
115 64.2 32.3 96.8
150 152.4 0.0 355.8



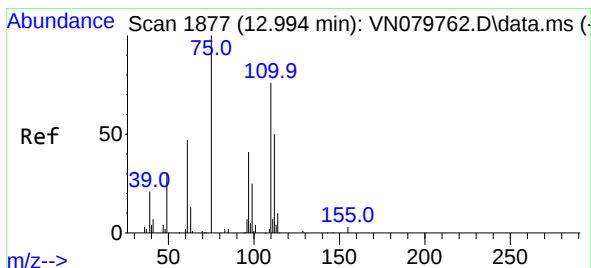
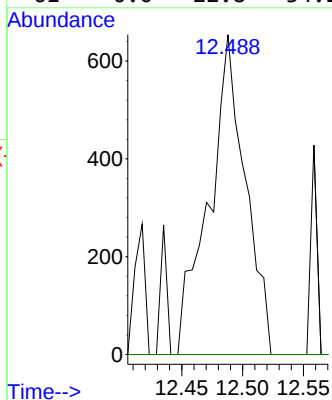
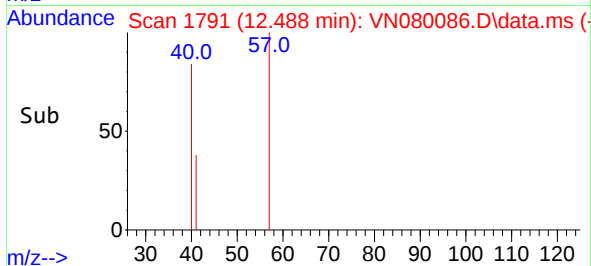


#74
N-amy1 acetate
Concen: 0.265 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_N
ClientSampleId :

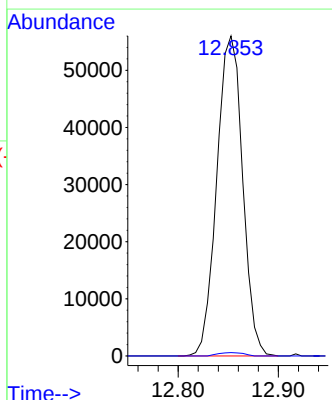
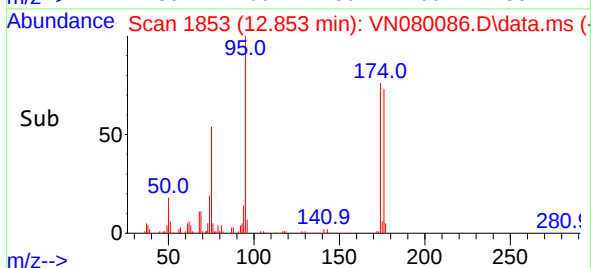
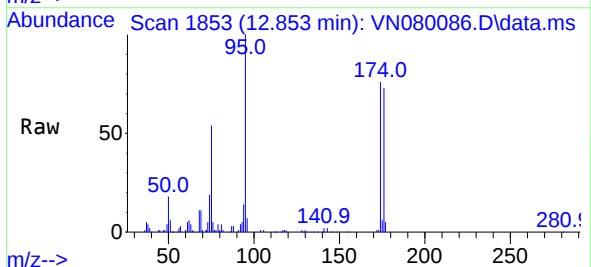


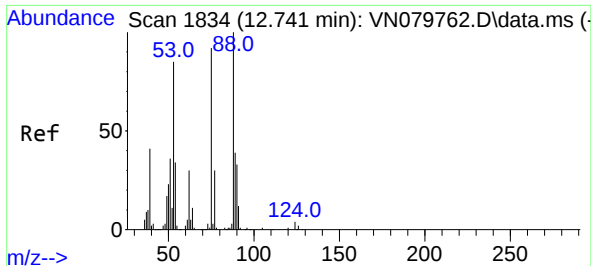
Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.551 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080086.D
Acq: 14 Nov 2023 14:03

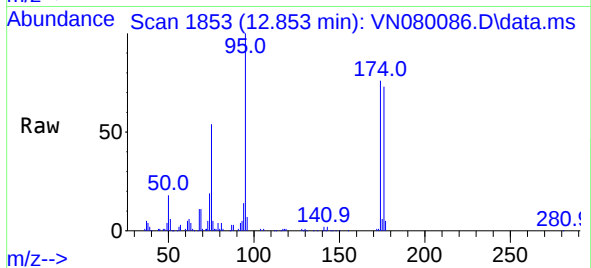
Tgt Ion: 75 Resp: 100128
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.960 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080086.D
 Acq: 14 Nov 2023 14:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 100128
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

