

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080120.D
 Acq On : 15 Nov 2023 19:04
 Operator : JC\MD
 Sample : 05418-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 21:58:03 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

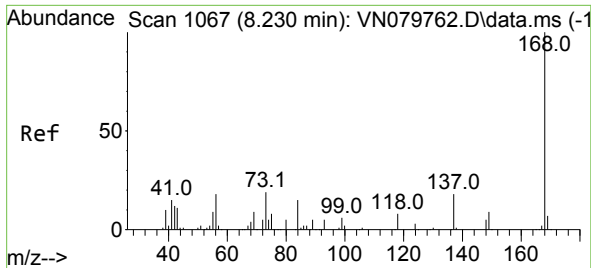
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	209567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	399109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	407254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	169841	53.195	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.380%	
35) Dibromofluoromethane	8.165	113	133005	47.086	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.180%	
50) Toluene-d8	10.571	98	492349	47.346	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.700%	
62) 4-Bromofluorobenzene	12.853	95	197819	57.359	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	363	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	292	0.716	ug/l #	72
16) Acetone	4.430	43	31883	28.429	ug/l	93
18) Methyl Acetate	5.036	43	6148	1.146	ug/l	94
20) Methylene Chloride	5.277	84	8992	3.178	ug/l	90
25) 2-Butanone	7.494	43	2621	1.596	ug/l #	86
31) Cyclohexane	8.224	56	4744	1.124	ug/l #	19
36) 1,1-Dichloropropene	8.236	75	18300	4.537	ug/l #	50
37) Ethyl Acetate	7.571	43	3591	0.971	ug/l #	86
38) Carbon Tetrachloride	8.224	117	23659	5.820	ug/l #	16
43) Isopropyl Acetate	8.688	43	232194	35.794	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	1896	0.614	ug/l #	45
48) Methyl methacrylate	9.665	41	4182	1.472	ug/l #	32
49) 1,4-Dioxane	9.741	88	53	1.056	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12852	3.519	ug/l #	68
53) t-1,3-Dichloropropene	10.724	75	1213	0.275	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	63186	13.154	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	8576	1.689	ug/l #	42
59) 2-Hexanone	11.171	43	131129	46.935	ug/l #	19
71) Bromoform	12.841	173	731	0.323	ug/l #	1
74) N-amyl acetate	12.482	43	2106	0.361	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	111034	26.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111034	73.146	ug/l #	15
95) Naphthalene	15.641	128	8765	0.947	ug/l #	93

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

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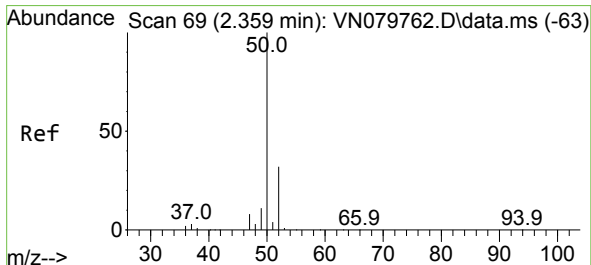
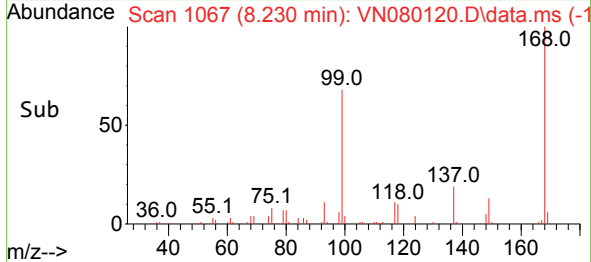
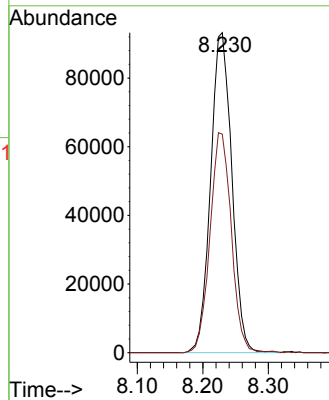
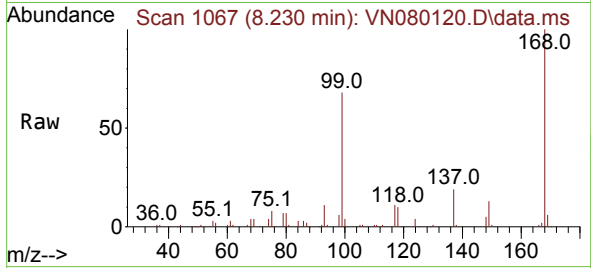




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

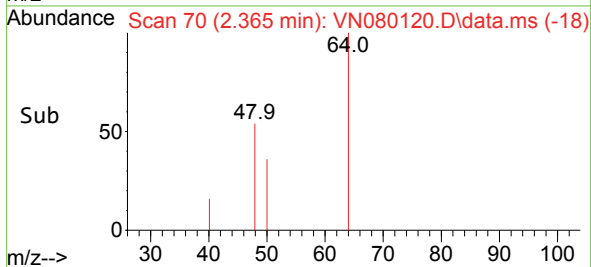
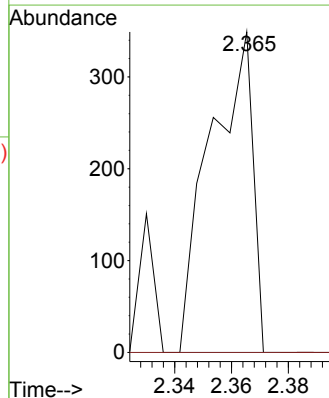
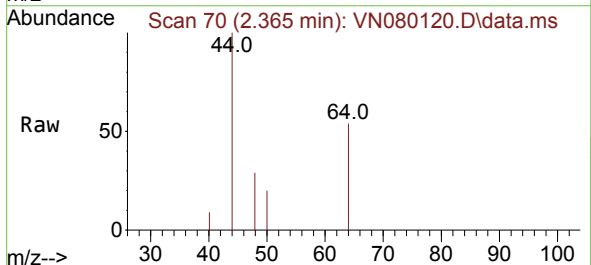
Instrument :
MSVOA_N
ClientSampleId :

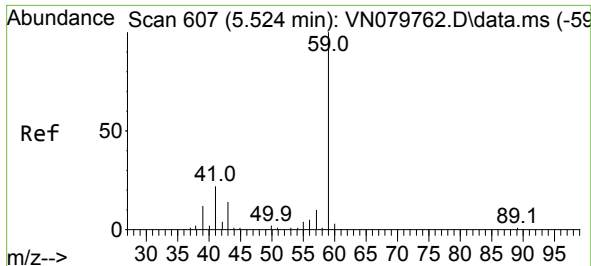
Tgt Ion:168 Resp: 209567
Ion Ratio Lower Upper
168 100
99 68.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

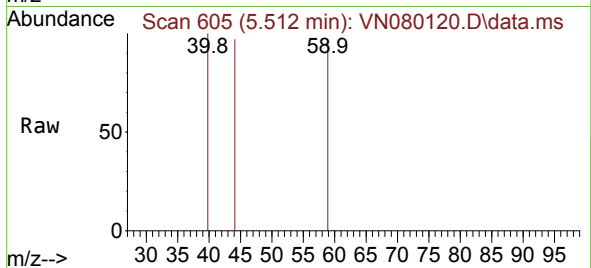
Tgt Ion: 50 Resp: 363
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



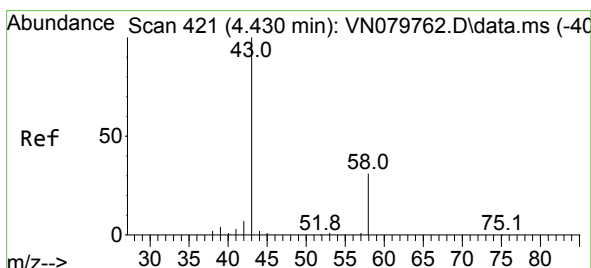
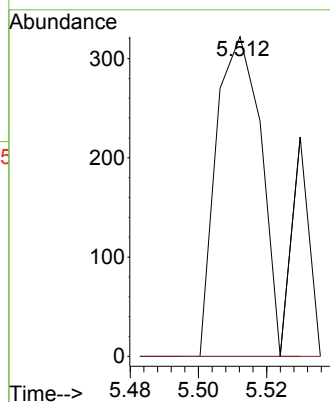
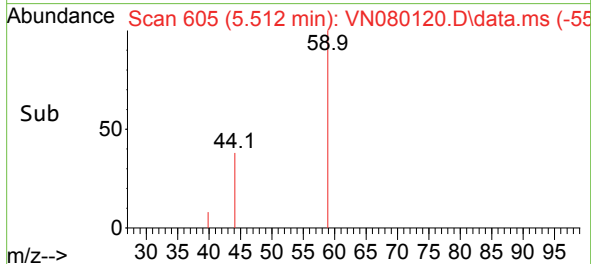


#11
Tert butyl alcohol
Concen: 0.716 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Instrument :
MSVOA_N
ClientSampleId :

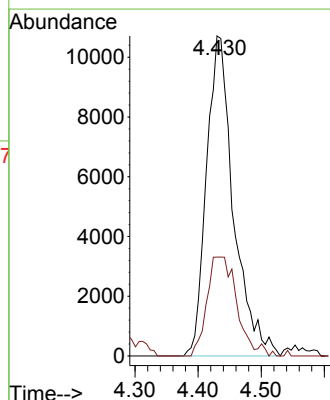
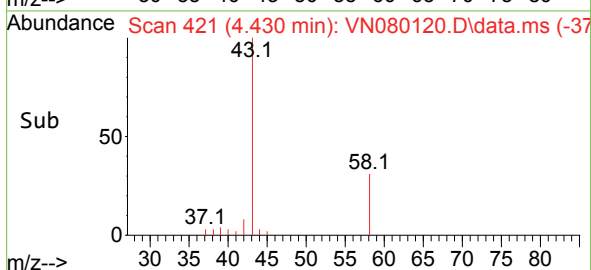
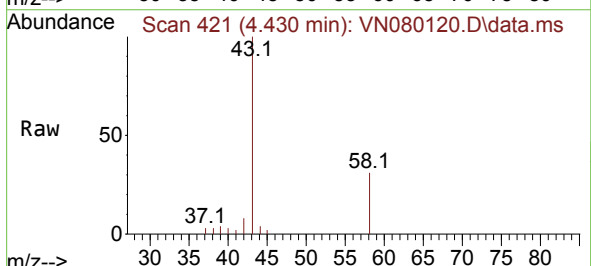


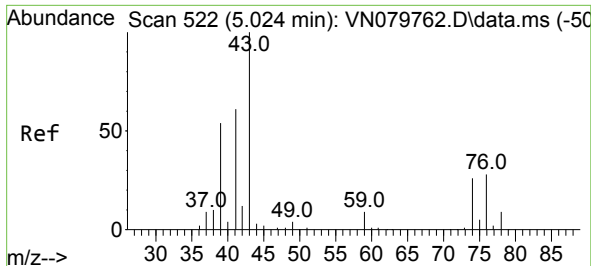
Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 28.429 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 43 Resp: 31883
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0

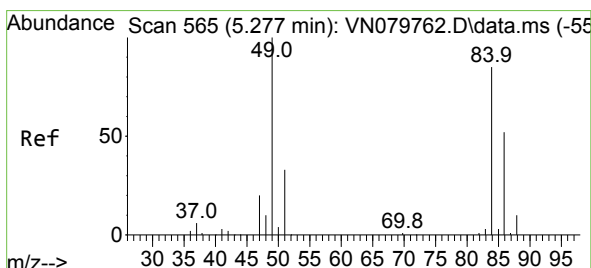
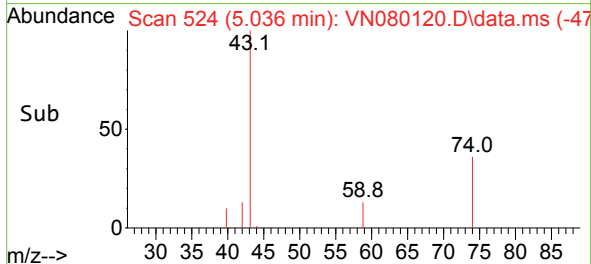
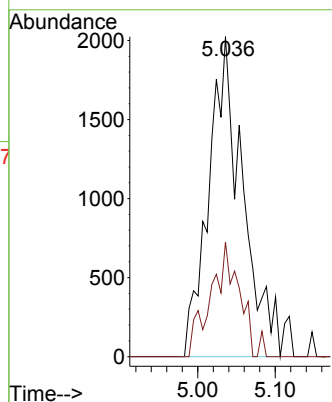
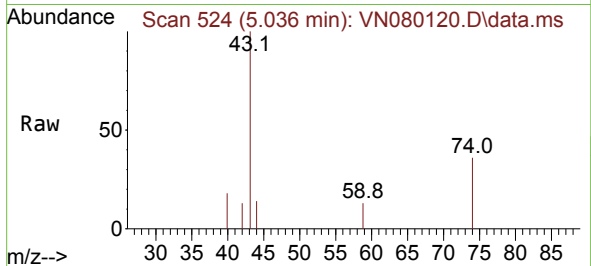




#18
Methyl Acetate
Concen: 1.146 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

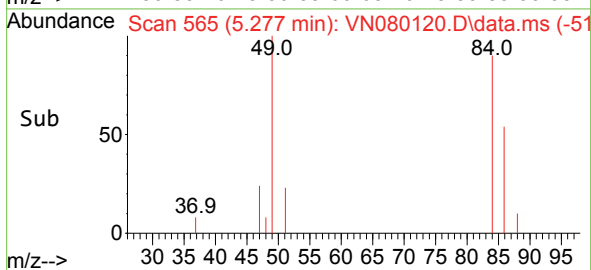
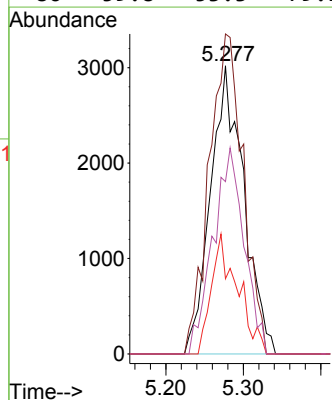
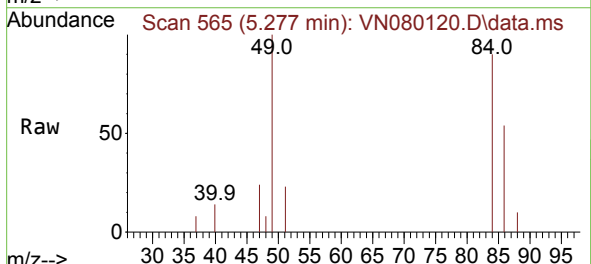
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MSVOA_N
ClientSampleId :

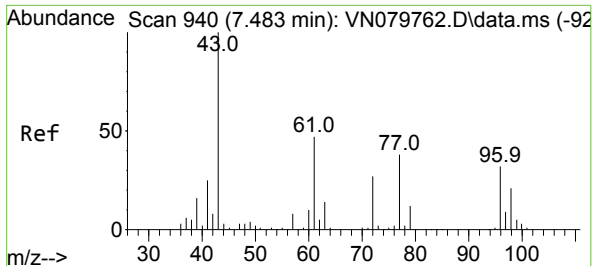
Tgt Ion: 43 Resp: 6148
Ion Ratio Lower Upper
43 100
74 29.4 26.2 39.4



#20
Methylene Chloride
Concen: 3.178 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 84 Resp: 8992
Ion Ratio Lower Upper
84 100
49 111.1 79.7 119.5
51 26.1 25.2 37.8
86 59.8 53.3 79.9

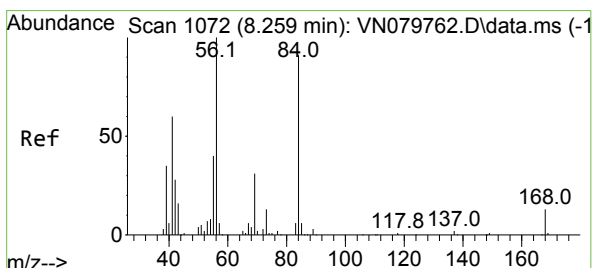
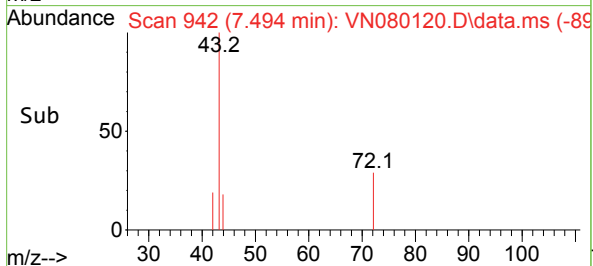
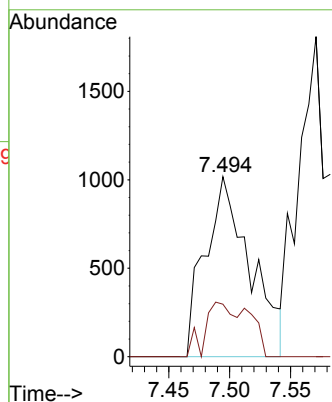
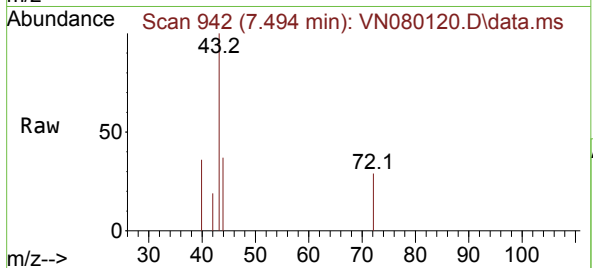




#25
2-Butanone
Concen: 1.596 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

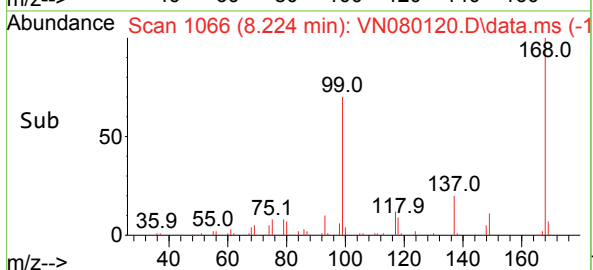
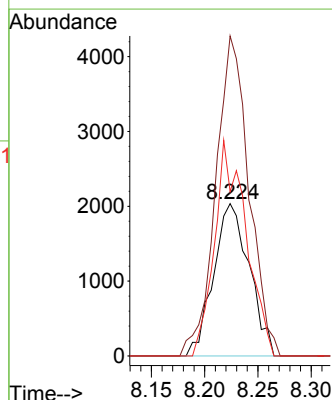
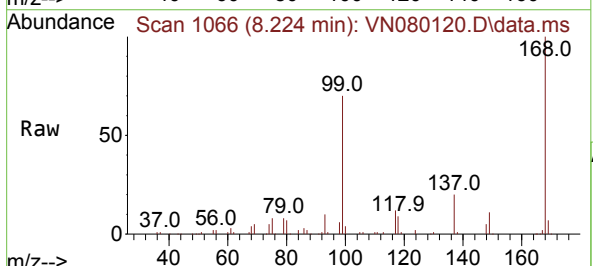
Instrument :
MSVOA_N
ClientSampleId :

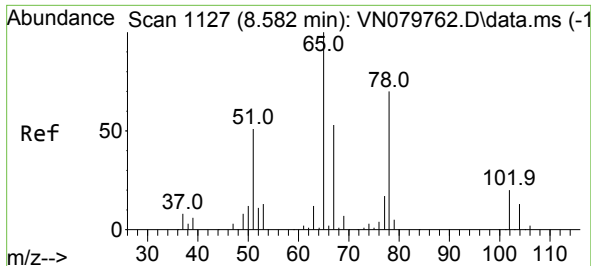
Tgt Ion: 43 Resp: 2621
Ion Ratio Lower Upper
43 100
72 29.2 30.2 45.2#



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 56 Resp: 4744
Ion Ratio Lower Upper
56 100
69 210.0 26.8 40.2#
84 107.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.195 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080120.D

Acq: 15 Nov 2023 19:04

Instrument :

MSVOA_N

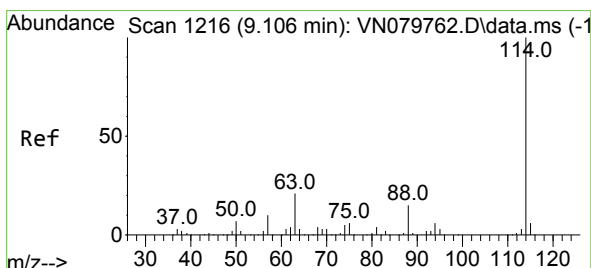
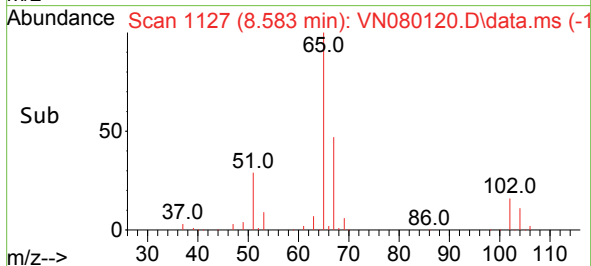
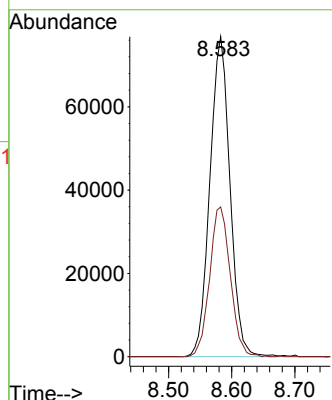
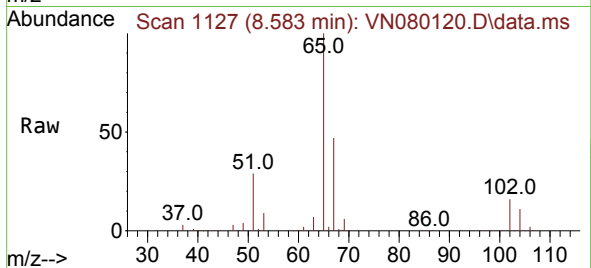
ClientSampleId :

Tgt Ion: 65 Resp: 169841

Ion Ratio Lower Upper

65 100

67 48.1 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: VN080120.D

Acq: 15 Nov 2023 19:04

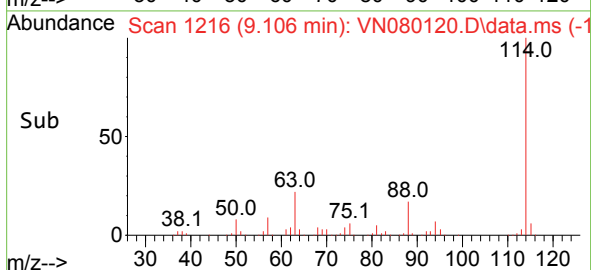
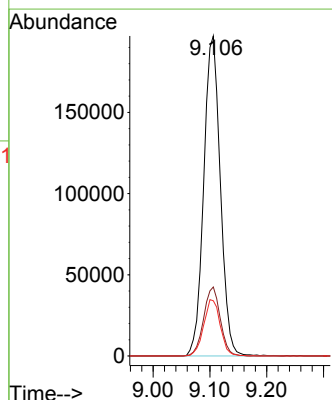
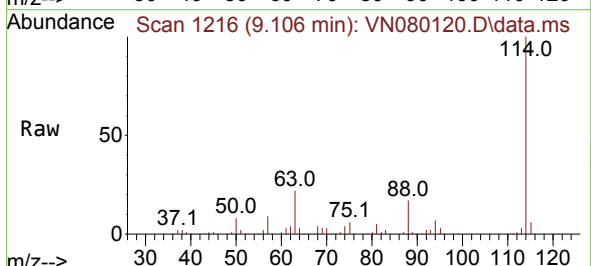
Tgt Ion: 114 Resp: 399109

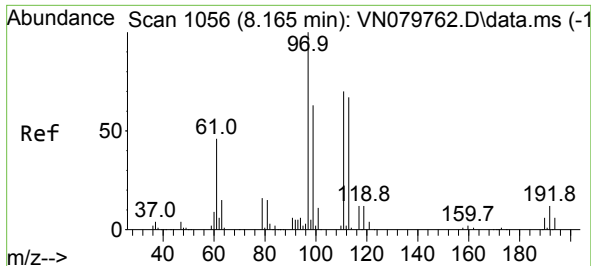
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 17.3 0.0 30.6

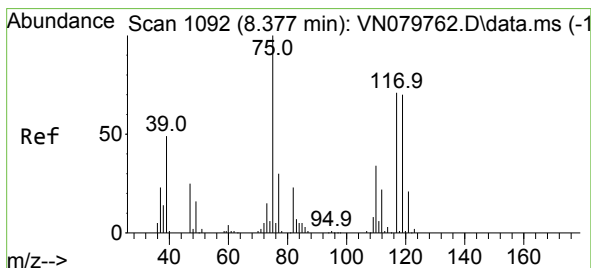
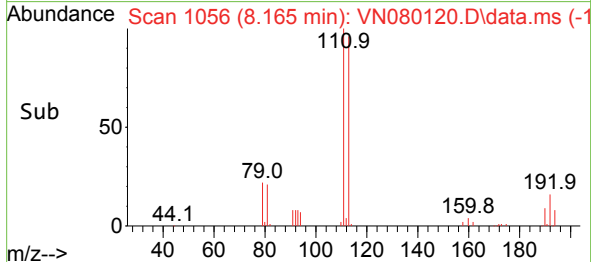
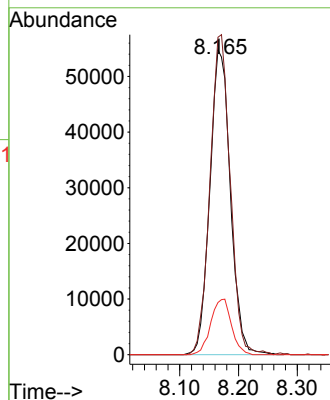
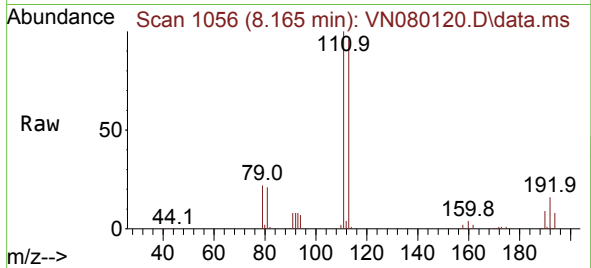




#35
Dibromofluoromethane
Concen: 47.086 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

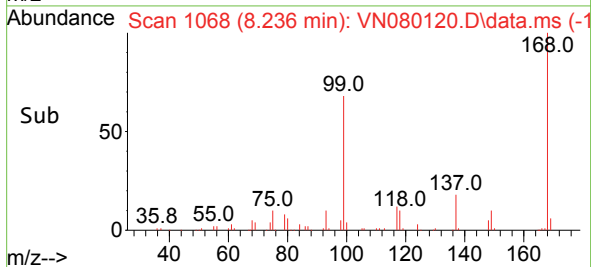
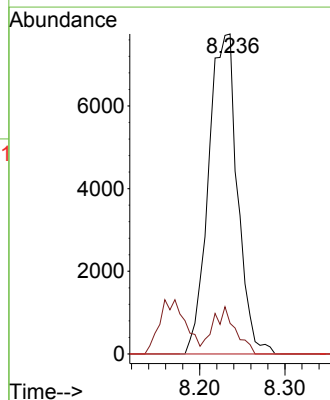
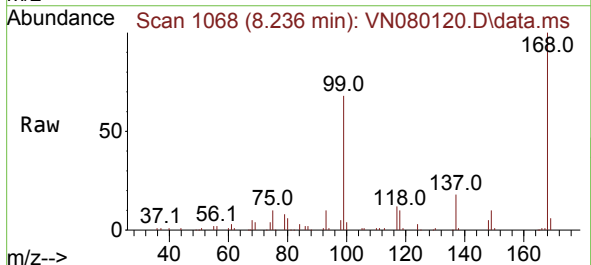
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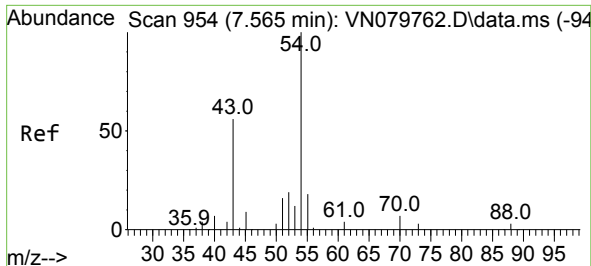
Tgt Ion:113 Resp: 133005
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.537 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

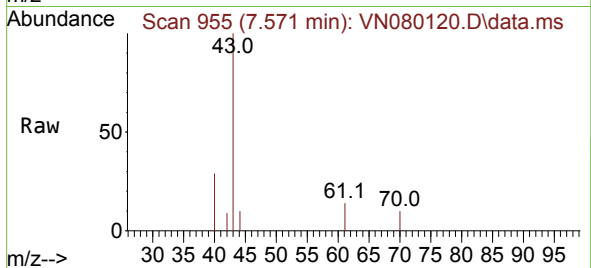
Tgt Ion: 75 Resp: 18300
Ion Ratio Lower Upper
75 100
110 11.5 19.1 57.3#
77 0.0 25.0 37.4#



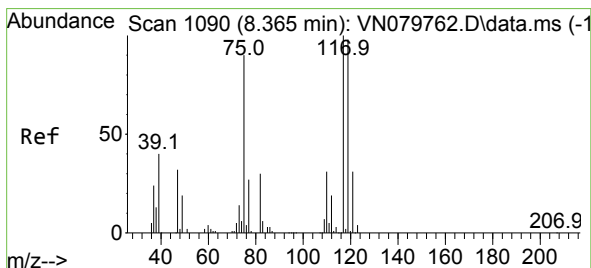
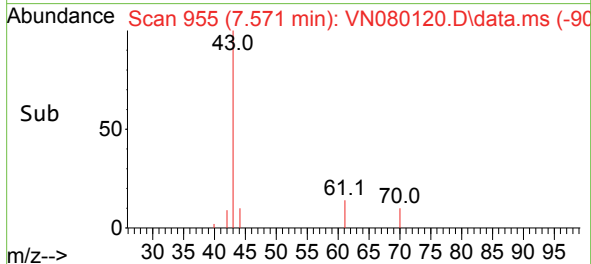
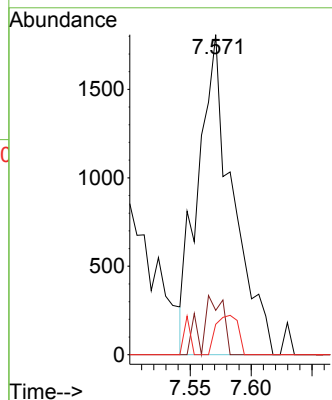


#37
Ethyl Acetate
Concen: 0.971 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Instrument :
MSVOA_N
ClientSampleId :

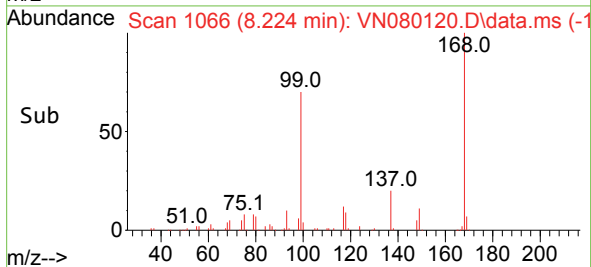
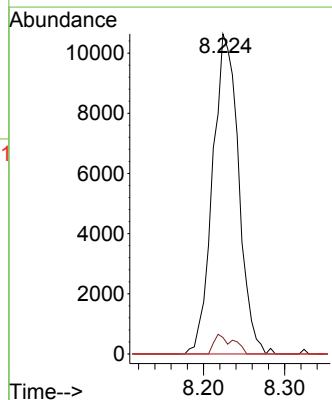
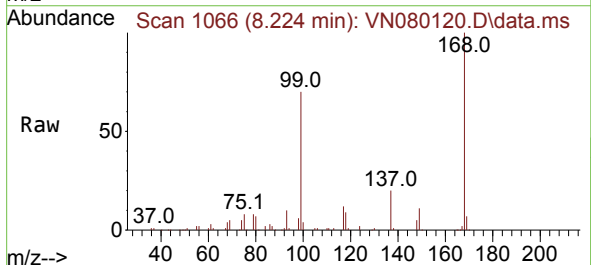


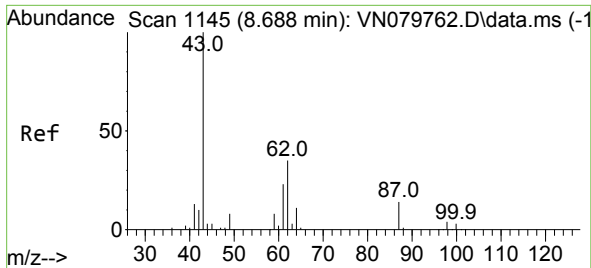
Tgt Ion: 43 Resp: 3591
Ion Ratio Lower Upper
43 100
61 11.1 13.2 19.8#
70 7.9 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.820 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 117 Resp: 23659
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#

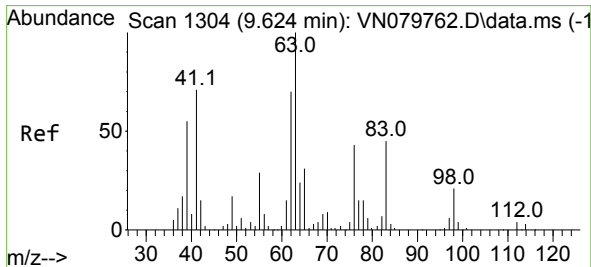
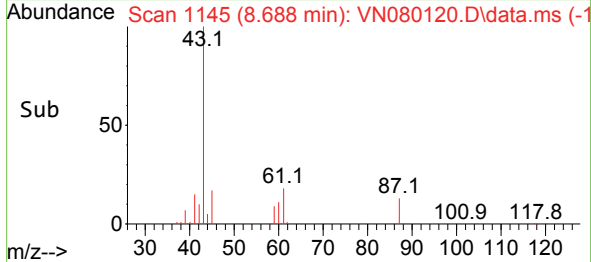
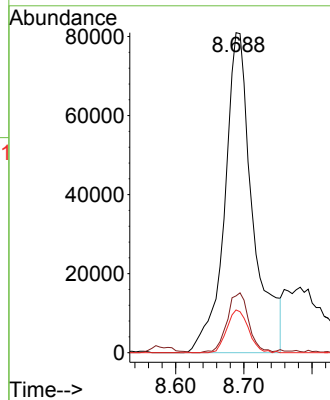
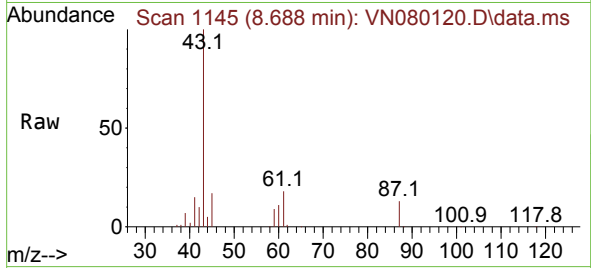




#43
Isopropyl Acetate
Concen: 35.794 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

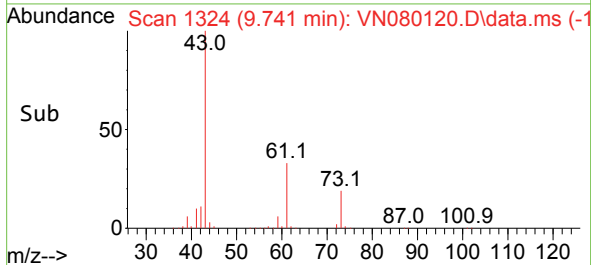
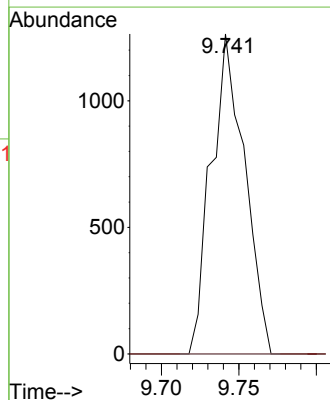
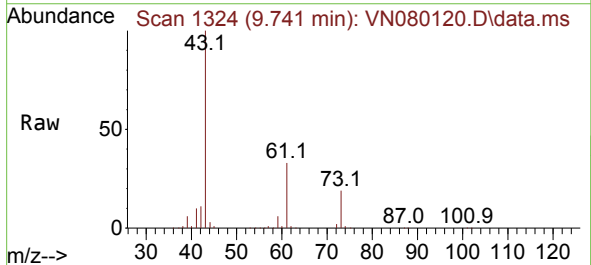
Instrument :
MSVOA_N
ClientSampleId :

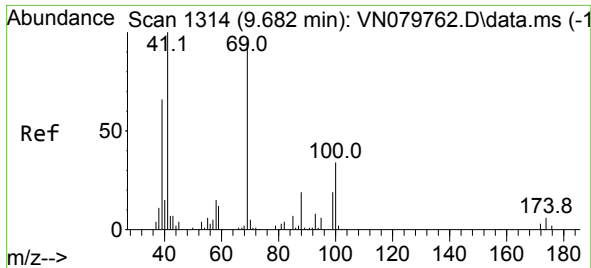
Tgt Ion: 43 Resp: 232194
Ion Ratio Lower Upper
43 100
61 14.4 24.7 37.1#
87 10.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.614 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 63 Resp: 1896
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

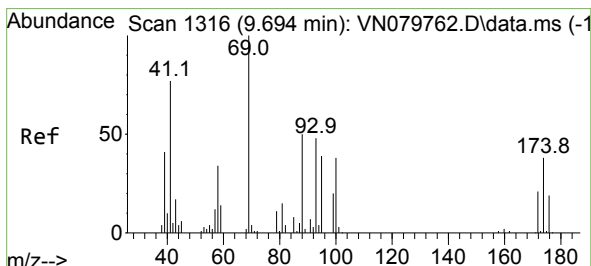
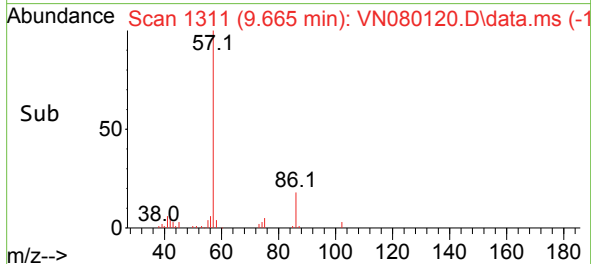
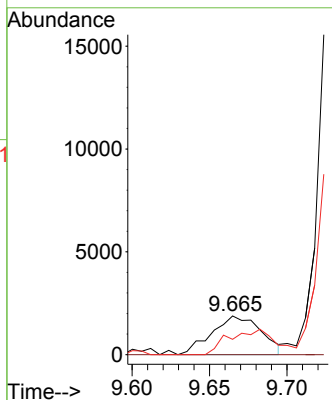
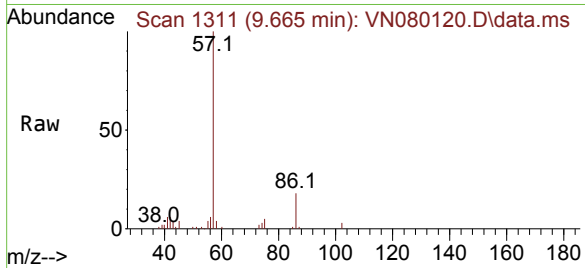




#48
Methyl methacrylate
Concen: 1.472 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

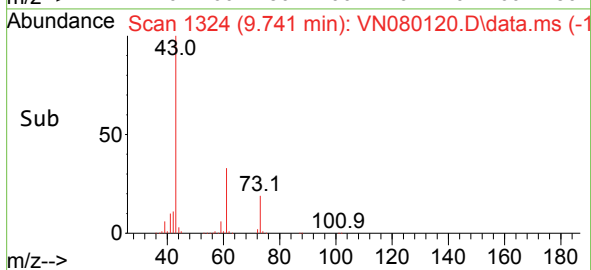
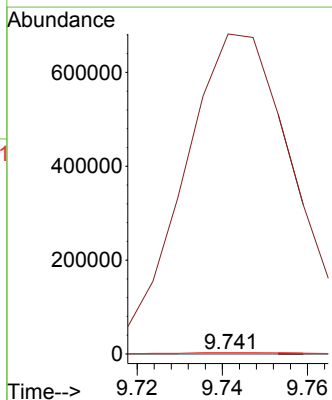
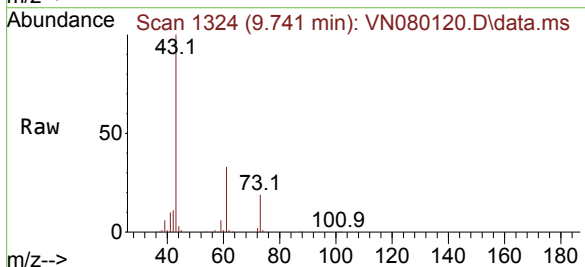
Instrument :
MSVOA_N
ClientSampleId :

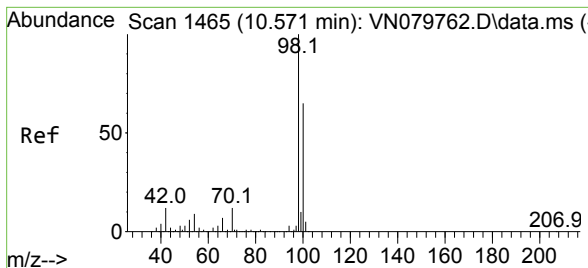
Tgt Ion: 41 Resp: 4182
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 62.4 54.6 81.8



#49
1,4-Dioxane
Concen: 1.056 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 2385611.3 17.0 25.6#
58 11688.7 47.0 70.4#

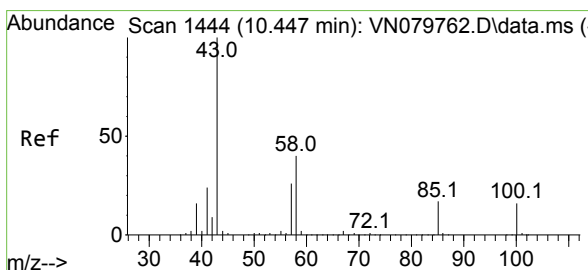
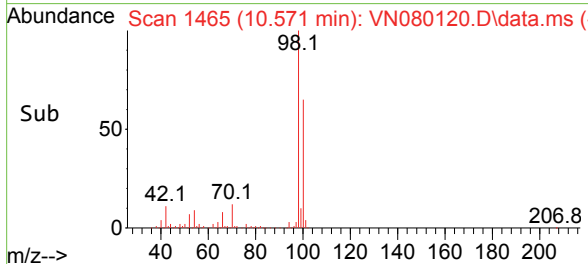
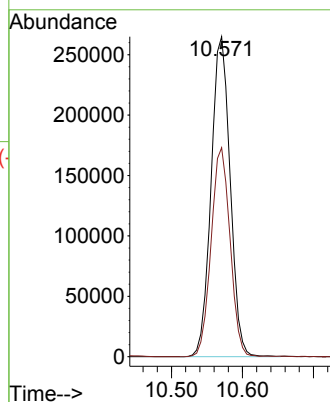
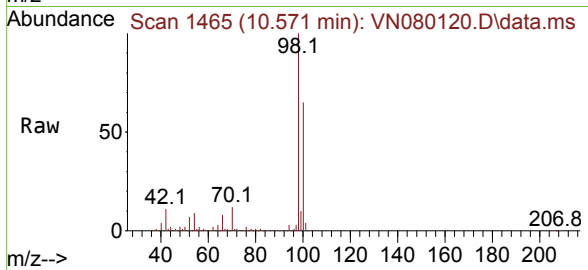




#50
Toluene-d8
Concen: 47.346 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

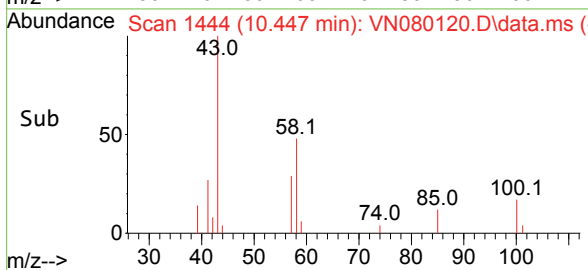
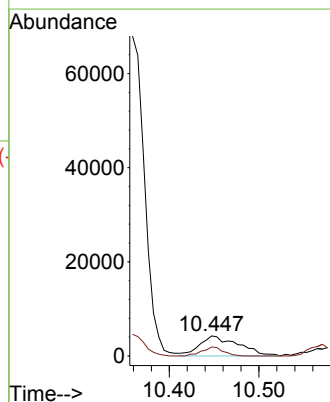
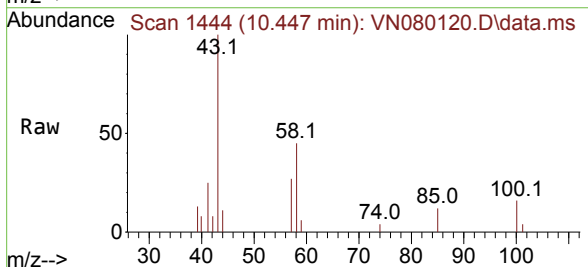
Instrument :
MSVOA_N
ClientSampleId :

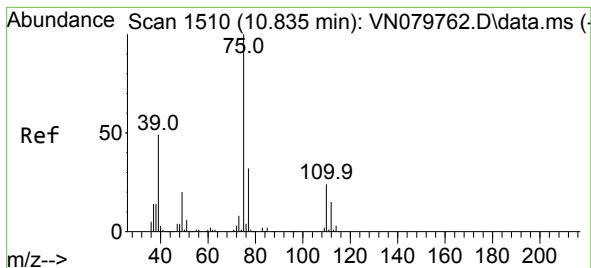
Tgt Ion: 98 Resp: 492349
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.519 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 43 Resp: 12852
Ion Ratio Lower Upper
43 100
58 24.5 36.6 54.8#

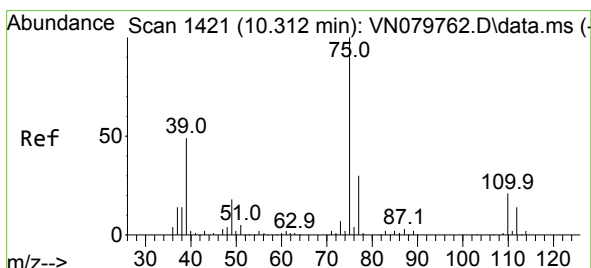
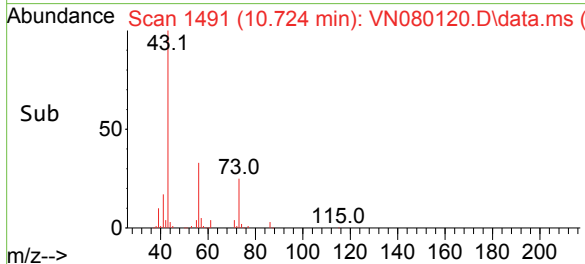
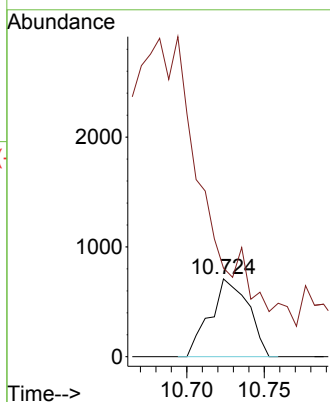
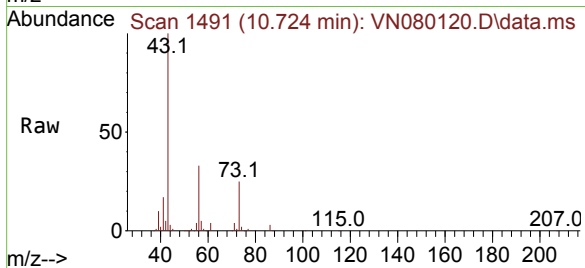




#53
 t-1,3-Dichloropropene
 Concen: 0.275 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.117 min
 Lab File: VN080120.D
 Acq: 15 Nov 2023 19:04

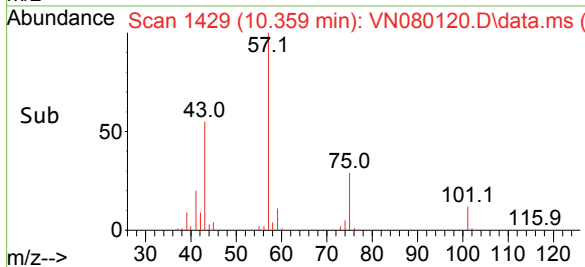
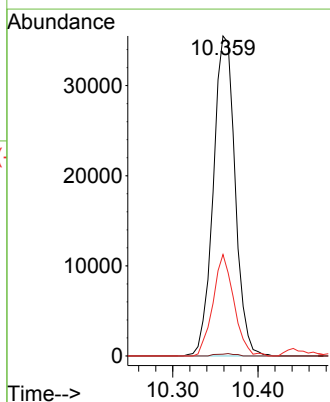
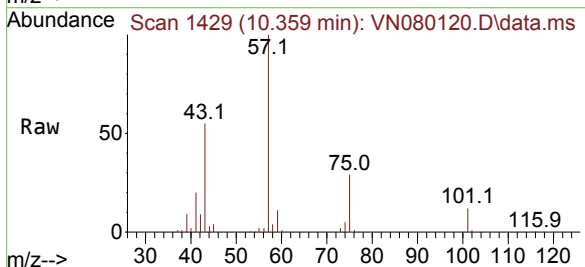
Instrument :
 MSVOA_N
 ClientSampleId :

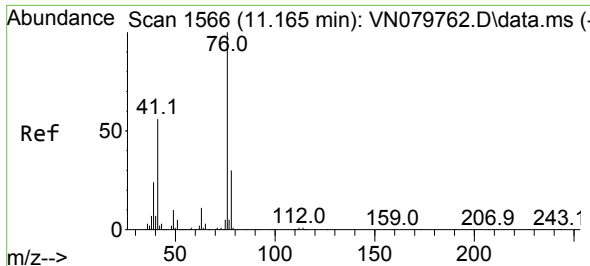
Tgt Ion: 75 Resp: 1213
 Ion Ratio Lower Upper
 75 100
 77 45.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.154 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080120.D
 Acq: 15 Nov 2023 19:04

Tgt Ion: 75 Resp: 63186
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 31.7 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.689 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080120.D

Acq: 15 Nov 2023 19:04

Instrument :

MSVOA_N

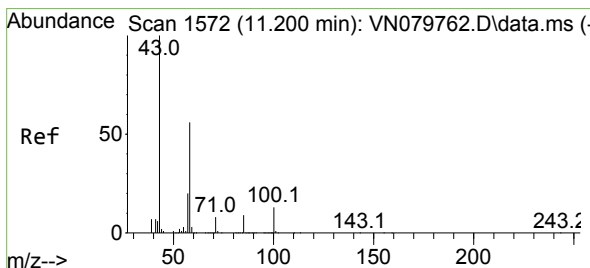
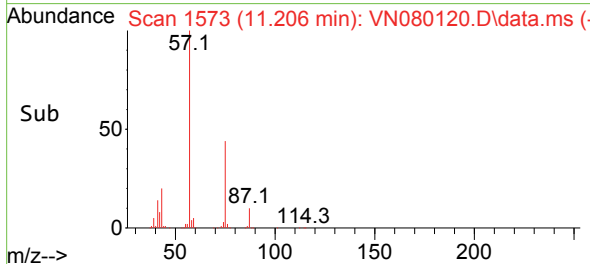
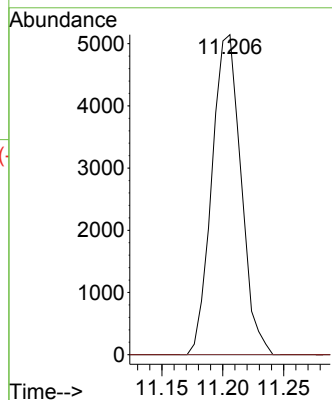
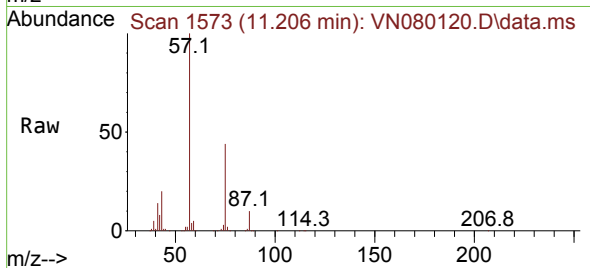
ClientSampleId :

Tgt Ion: 76 Resp: 8576

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.935 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080120.D

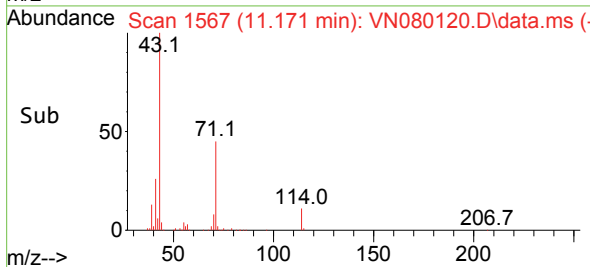
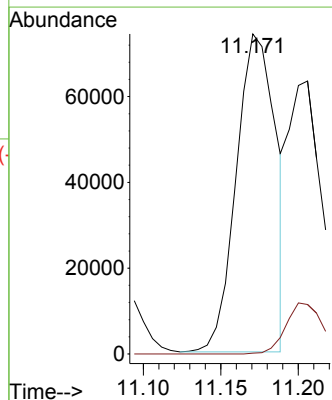
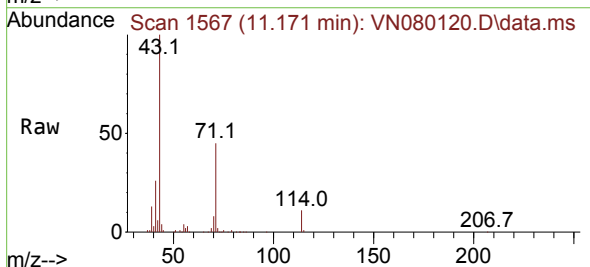
Acq: 15 Nov 2023 19:04

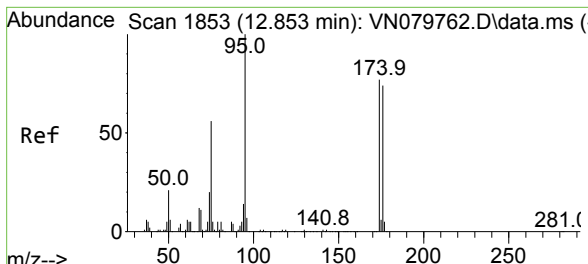
Tgt Ion: 43 Resp: 131129

Ion Ratio Lower Upper

43 100

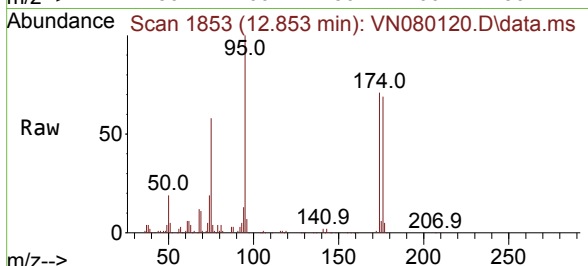
58 0.0 31.7 95.1#



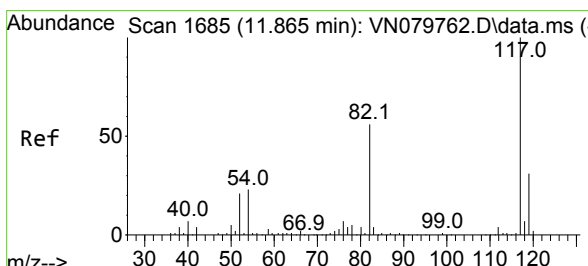
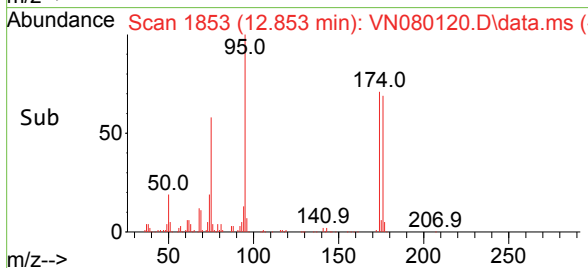
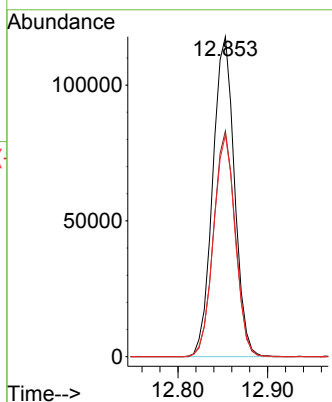


#62
 4-Bromofluorobenzene
 Concen: 57.359 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN080120.D
 Acq: 15 Nov 2023 19:04

Instrument :
 MSVOA_N
 ClientSampleId :

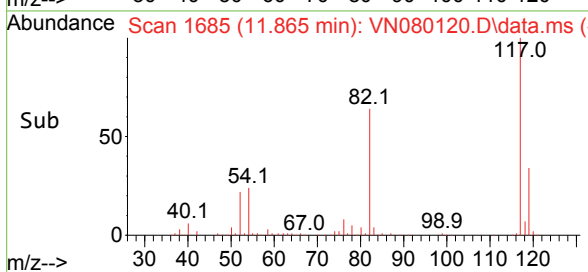
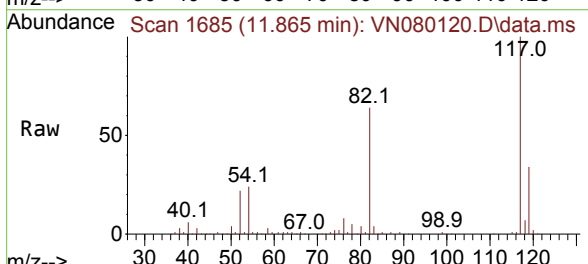
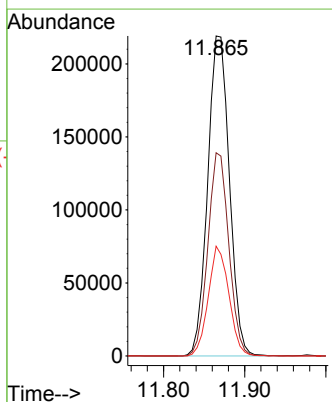


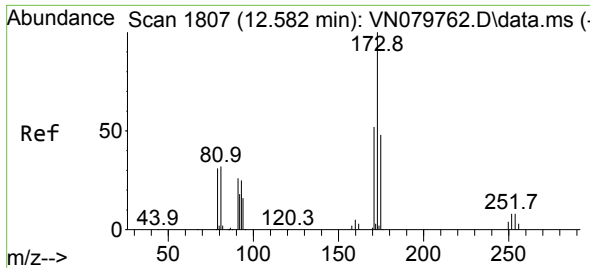
Tgt Ion:	95	Resp:	197819
Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	143.8
176	69.3	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.006 min
 Lab File: VN080120.D
 Acq: 15 Nov 2023 19:04

Tgt Ion:	117	Resp:	407254
Ion	Ratio	Lower	Upper
117	100		
82	63.5	44.0	66.0
119	34.3	25.6	38.4

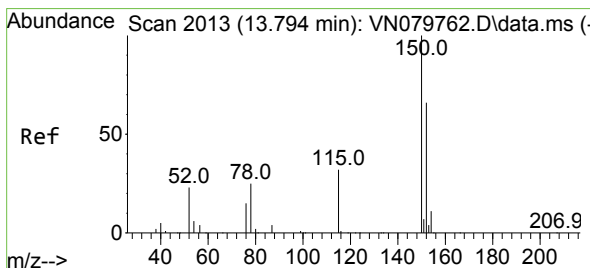
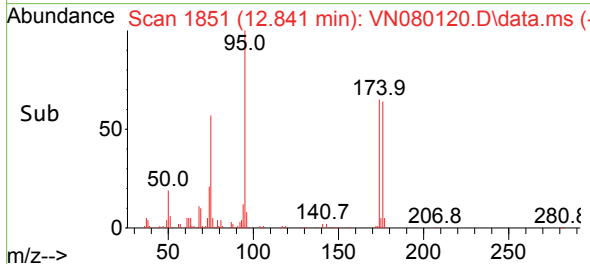
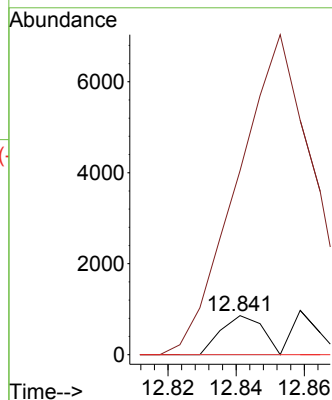
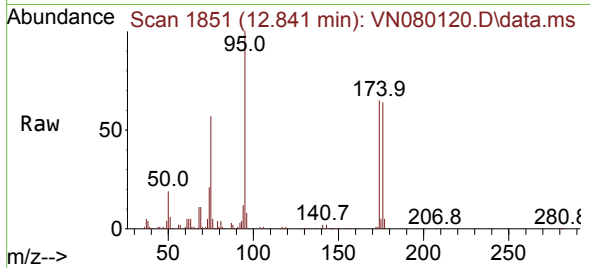




#71
Bromoform
Concen: 0.323 ug/l
RT: 12.841 min Scan# 1807
Delta R.T. 0.259 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

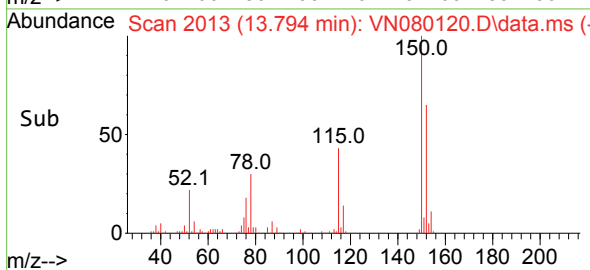
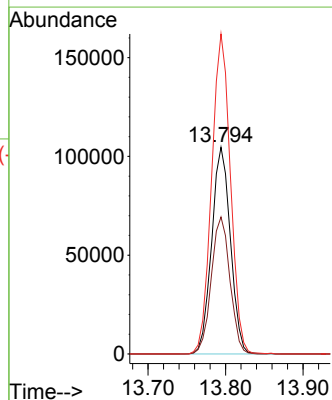
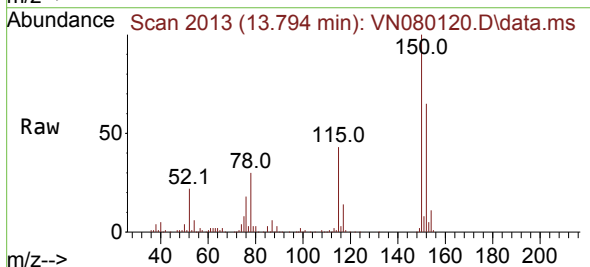
Instrument :
MSVOA_N
ClientSampleId :

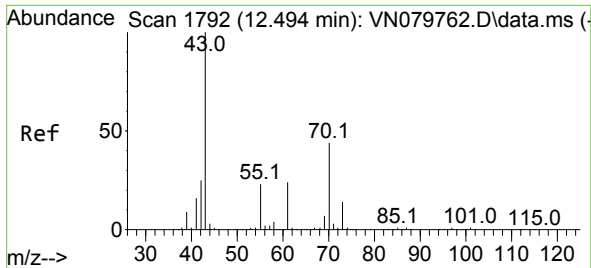
Tgt Ion:173 Resp: 731
Ion Ratio Lower Upper
173 100
175 1242.7 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

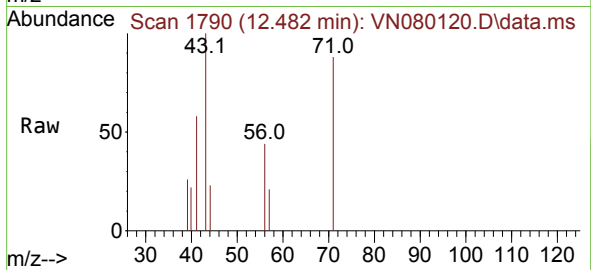
Tgt Ion:152 Resp: 175918
Ion Ratio Lower Upper
152 100
115 65.8 32.3 96.8
150 155.1 0.0 355.8



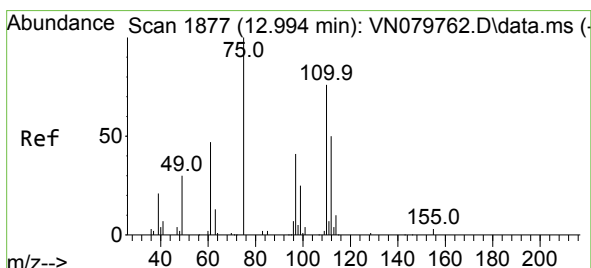
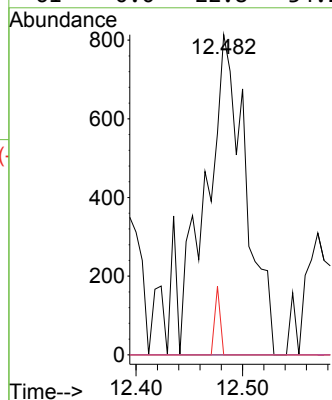
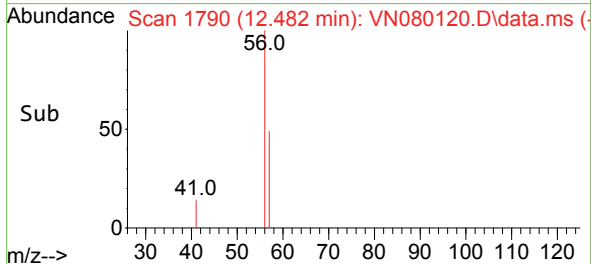


#74
N-amy1 acetate
Concen: 0.361 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Instrument :
MSVOA_N
ClientSampleId :

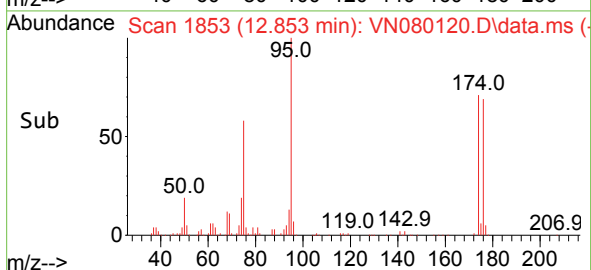
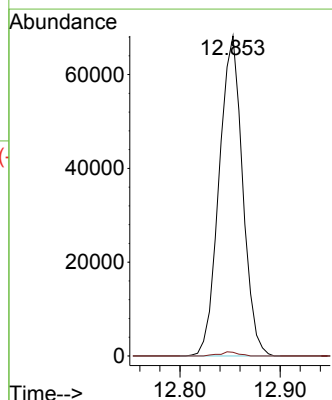
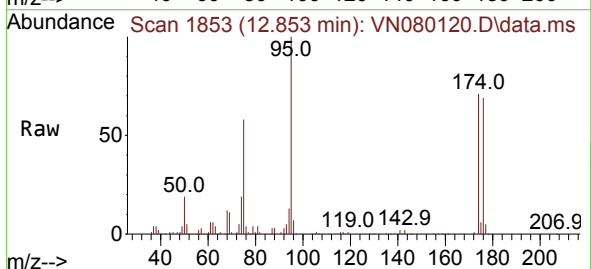


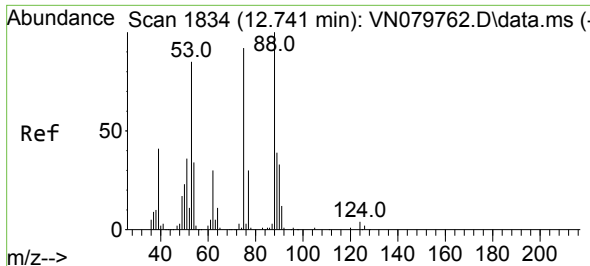
Tgt Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 2.9 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.885 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080120.D
Acq: 15 Nov 2023 19:04

Tgt Ion: 75 Resp: 111034
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#

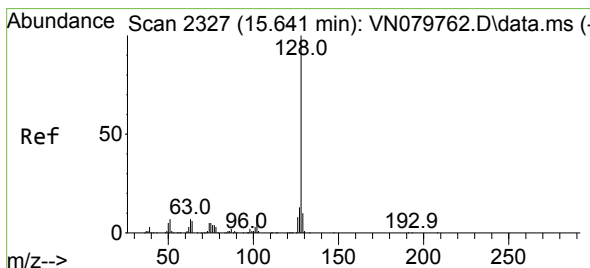
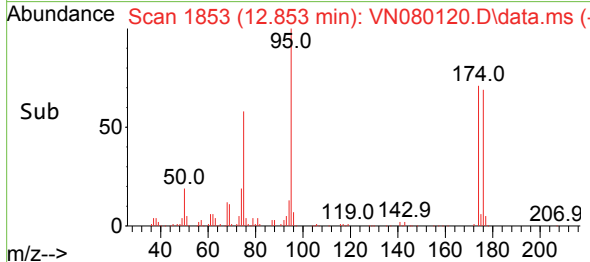
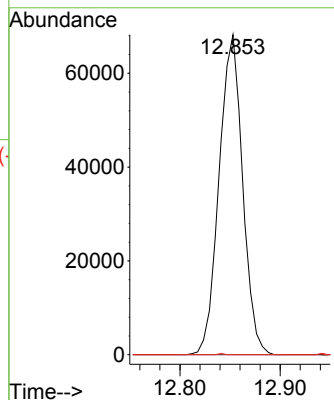
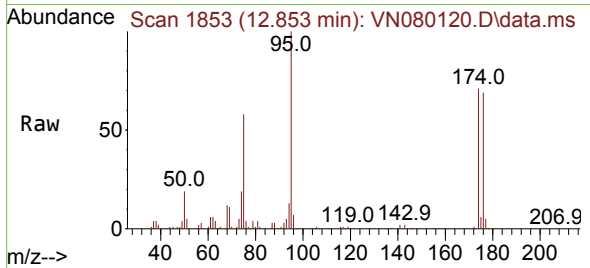




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.146 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.118 min
 Lab File: VN080120.D
 Acq: 15 Nov 2023 19:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 111034
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#



#95
 Naphthalene
 Concen: 0.947 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN080120.D
 Acq: 15 Nov 2023 19:04

Tgt Ion:128 Resp: 8765
 Ion Ratio Lower Upper
 128 100
 127 16.3 10.0 15.0#
 129 9.6 8.7 13.1

