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 Data File : VN078124.D
 Acq On : 08 Jun 2023 13:00
 Operator : JC\MD
 Sample : 03092-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

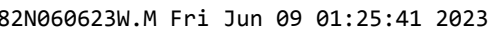
Quant Time: Jun 09 01:25:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	366100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	684591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	636530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	191639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	258739	53.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.020%			
35) Dibromofluoromethane	8.177	113	223862	51.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.440%			
50) Toluene-d8	10.571	98	873937	52.372	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.740%			
62) 4-Bromofluorobenzene	12.853	95	251613	48.503	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.000%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1059	Below Cal	#	85
11) Tert butyl alcohol	5.536	59	267	0.396	ug/l #	72
16) Acetone	4.447	43	41957	29.863	ug/l	97
18) Methyl Acetate	5.047	43	2886	0.446	ug/l #	86
20) Methylene Chloride	5.294	84	19320	4.161	ug/l	92
25) 2-Butanone	7.571	43	59418	27.501	ug/l #	37
29) Tetrahydrofuran	7.847	42	678	0.469	ug/l #	26
31) Cyclohexane	8.230	56	9140	1.460	ug/l #	51
36) 1,1-Dichloropropene	8.230	75	30875	4.973	ug/l #	49
37) Ethyl Acetate	7.571	43	59418	12.250	ug/l	97
38) Carbon Tetrachloride	8.235	117	42567	6.493	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	2224	0.350	ug/l #	73
43) Isopropyl Acetate	8.694	43	341627	36.829	ug/l #	78
45) 1,2-Dichloropropane	9.753	63	3626	0.786	ug/l #	45
48) Methyl methacrylate	9.747	41	218414	56.108	ug/l #	29
49) 1,4-Dioxane	9.741	88	368	4.498	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	199949	40.934	ug/l #	42
54) cis-1,3-Dichloropropene	10.365	75	108702	14.964	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	12281	1.643	ug/l #	42
59) 2-Hexanone	11.176	43	229933	67.604	ug/l #	19
71) Bromoform	12.847	173	797	0.246	ug/l #	1
74) N-amyl acetate	12.312	43	59026	9.891	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.935	83	62	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.859	75	137127	30.268	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	137127	92.993	ug/l #	15

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

Quant Time: Jun 09 01:25:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078124.D

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MSVOA_N

ClientSampleId :

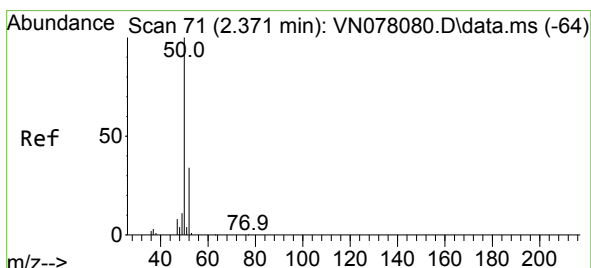
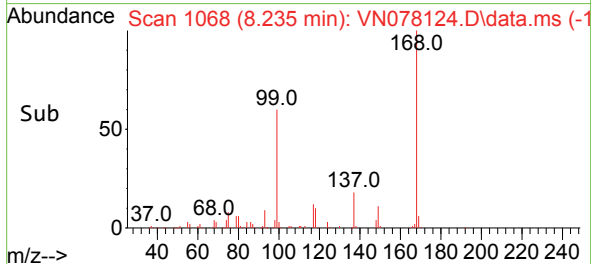
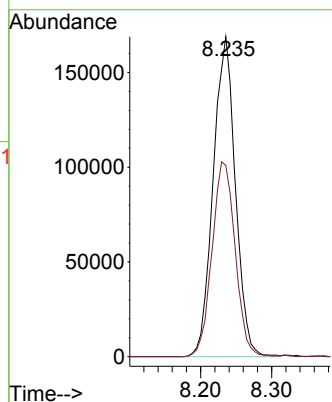
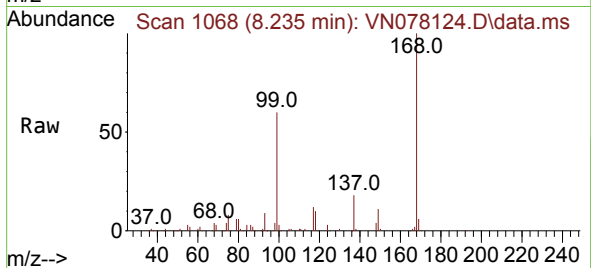
TP-1

Tgt Ion:168 Resp: 366100

Ion Ratio Lower Upper

168 100

99 59.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078124.D

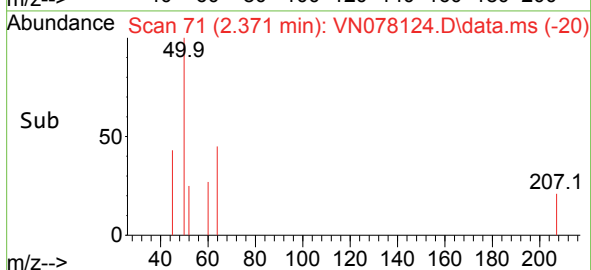
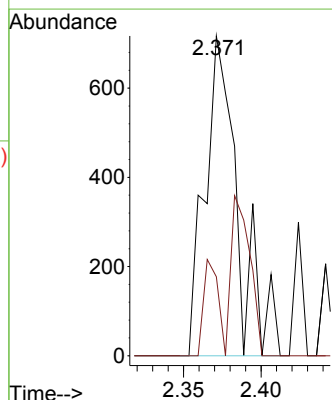
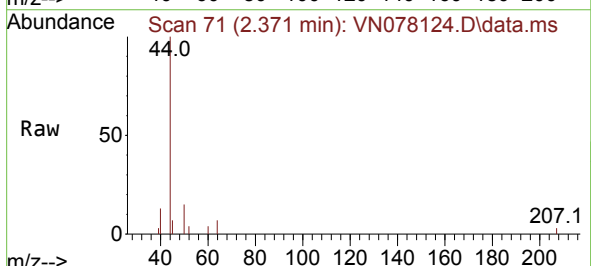
Acq: 08 Jun 2023 13:00

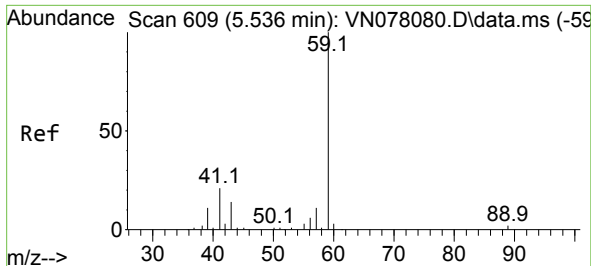
Tgt Ion: 50 Resp: 1059

Ion Ratio Lower Upper

50 100

52 24.7 26.5 39.7#

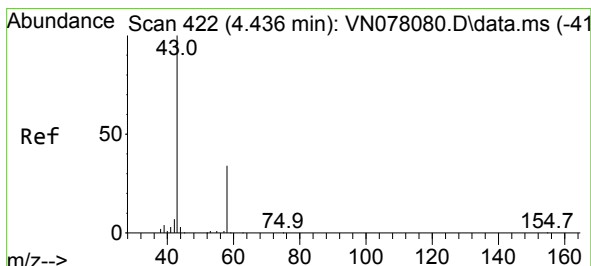
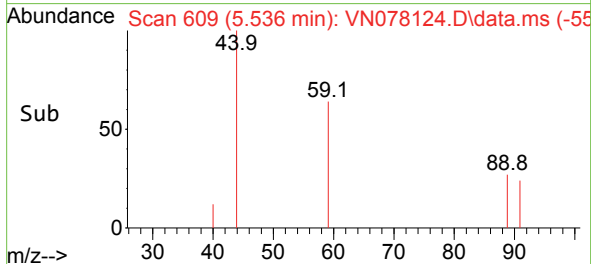
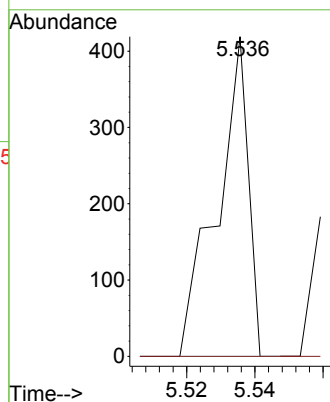
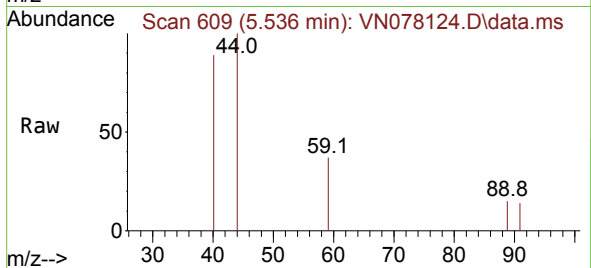




#11
Tert butyl alcohol
Concen: 0.396 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

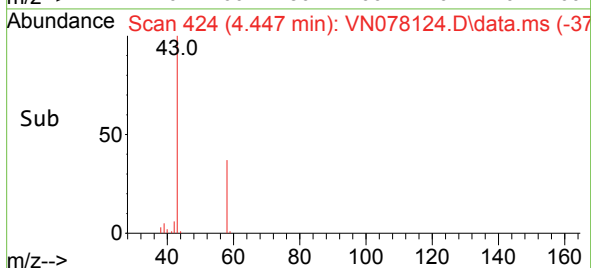
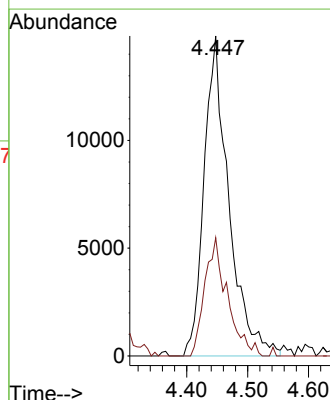
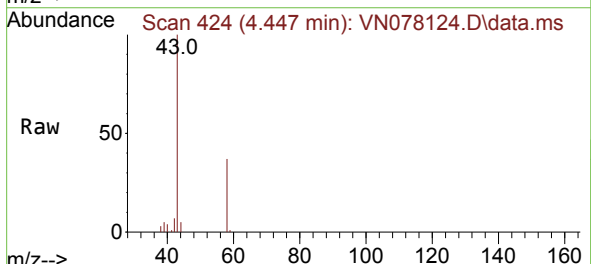
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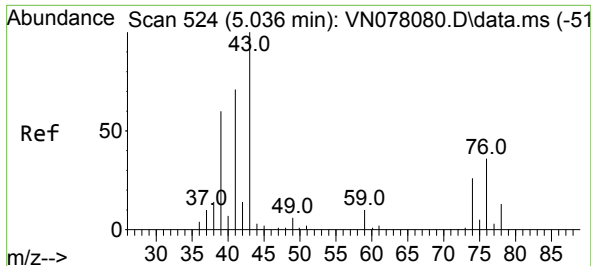
Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 29.863 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 43 Resp: 41957
Ion Ratio Lower Upper
43 100
58 36.9 28.0 42.0

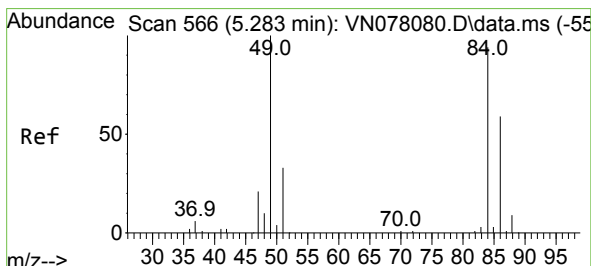
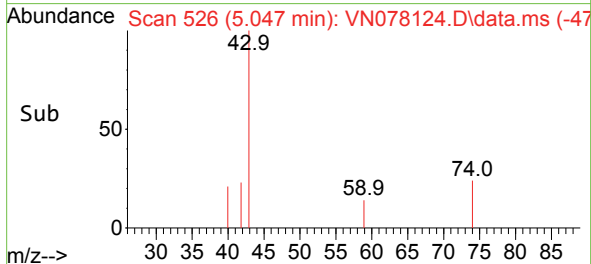
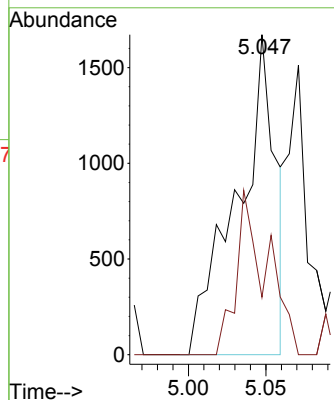
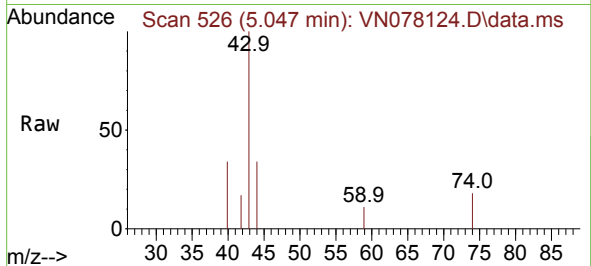




#18
Methyl Acetate
Concen: 0.446 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

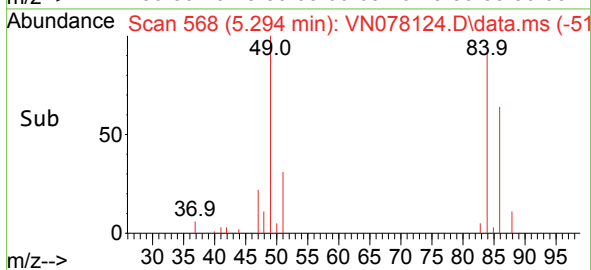
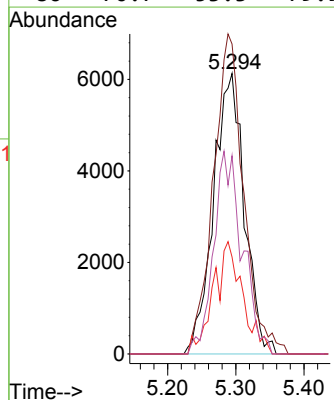
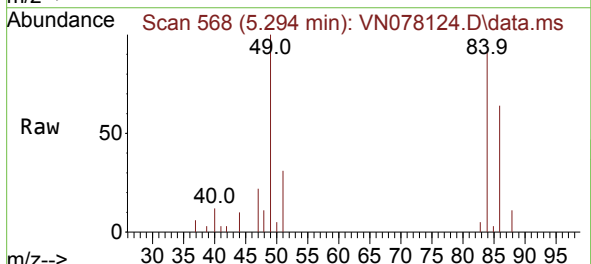
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MSVOA_N
ClientSampleId :
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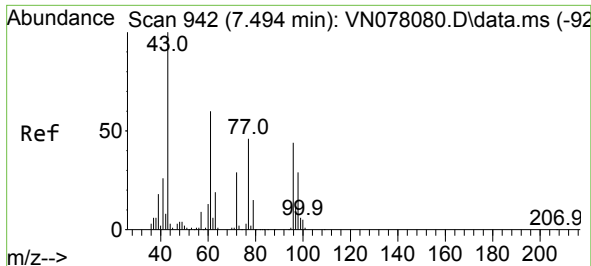
Tgt Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
74 40.8 26.2 39.4#



#20
Methylene Chloride
Concen: 4.161 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.012 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 84 Resp: 19320
Ion Ratio Lower Upper
84 100
49 110.5 79.7 119.5
51 34.5 25.2 37.8
86 70.7 53.3 79.9

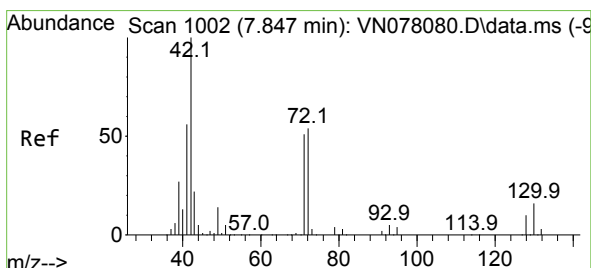
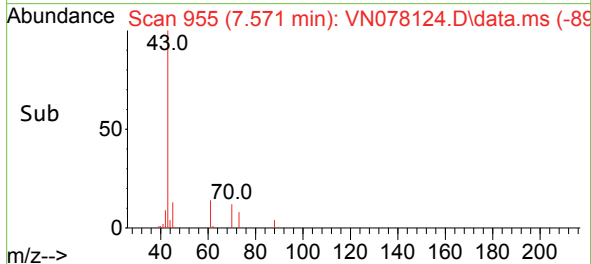
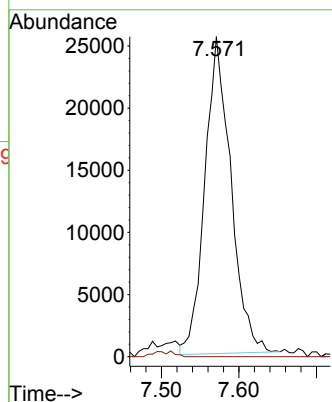
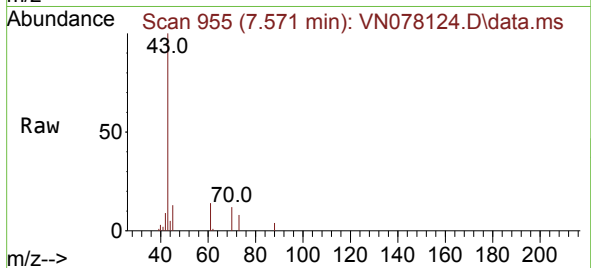




#25
2-Butanone
Concen: 27.501 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.077 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

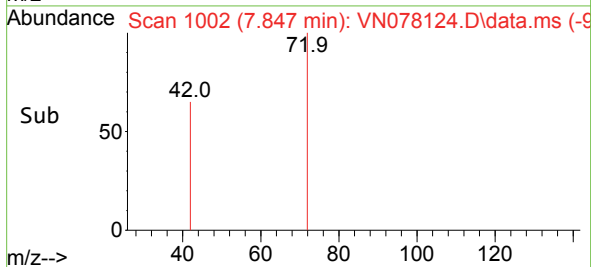
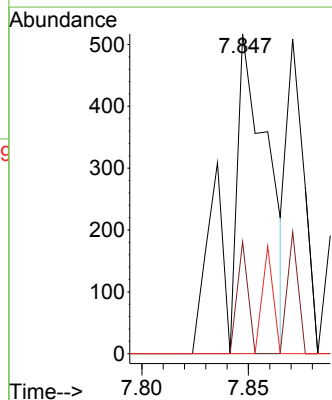
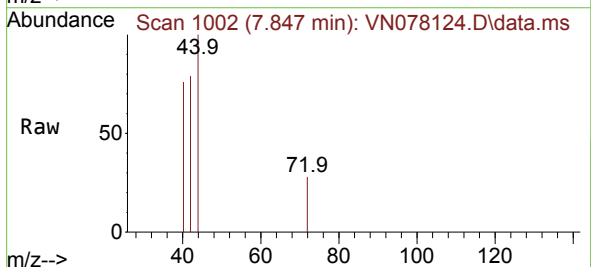
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ClientSampleId :
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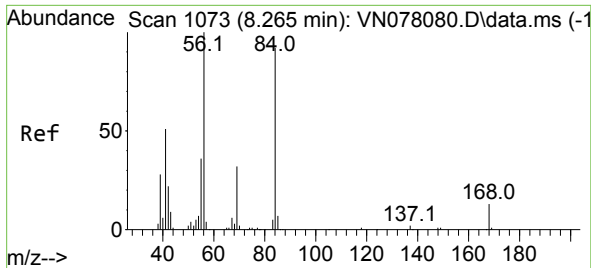
Tgt Ion: 43 Resp: 59418
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.469 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 42 Resp: 678
Ion Ratio Lower Upper
42 100
72 9.4 49.8 74.6#
71 0.0 47.4 71.2#

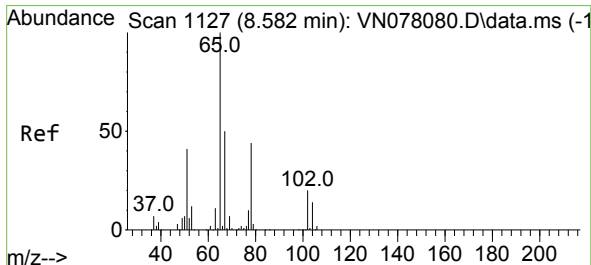
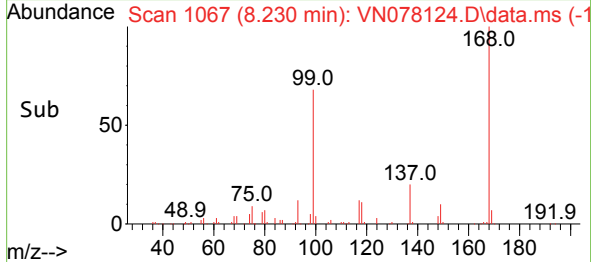
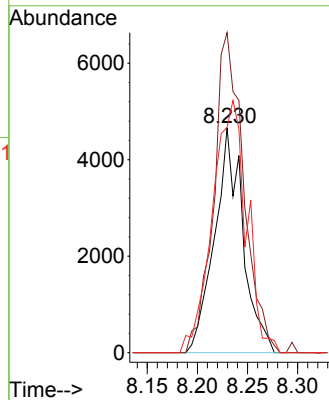
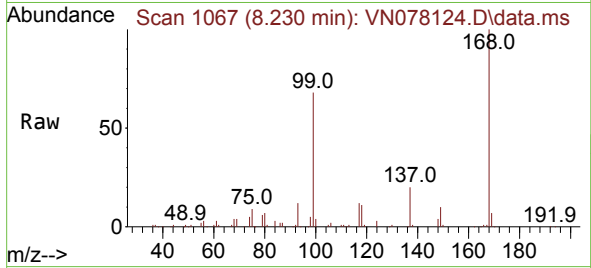




#31
Cyclohexane
Concen: 1.460 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

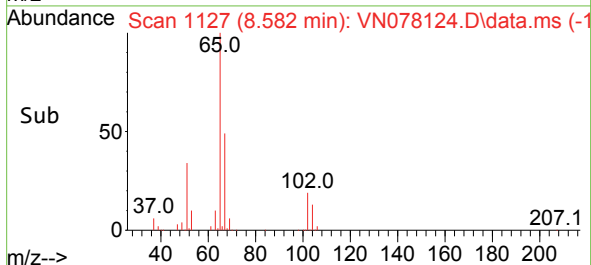
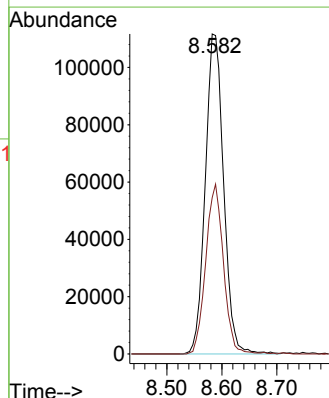
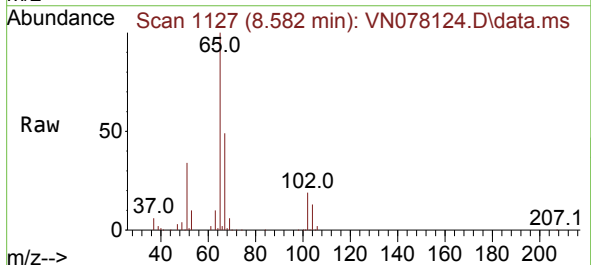
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ClientSampleId :
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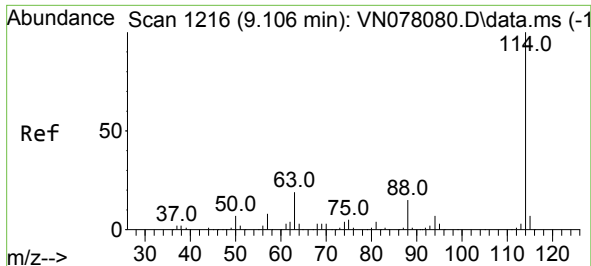
Tgt Ion: 56 Resp: 9140
Ion Ratio Lower Upper
56 100
69 142.3 26.8 40.2#
84 100.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.007 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 65 Resp: 258739
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078124.D

Acq: 08 Jun 2023 13:00

Instrument :

MSVOA_N

ClientSampleId :

TP-1

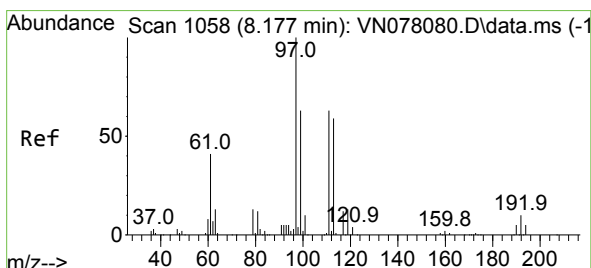
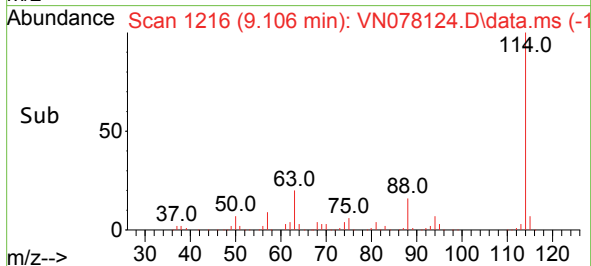
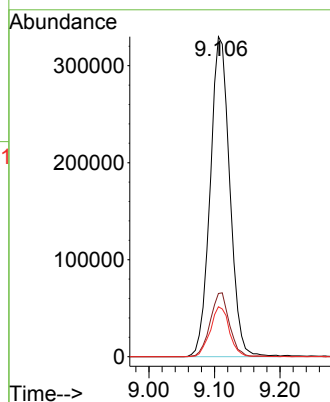
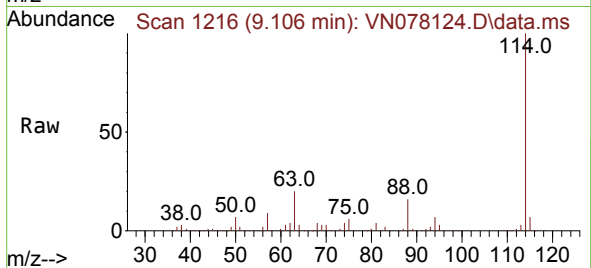
Tgt Ion:114 Resp: 684591

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.717 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078124.D

Acq: 08 Jun 2023 13:00

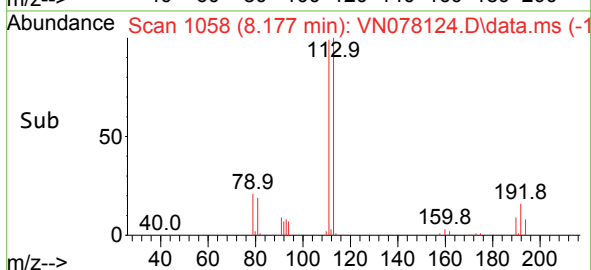
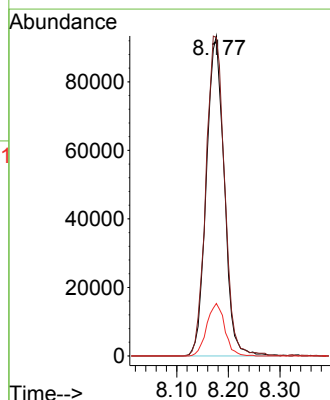
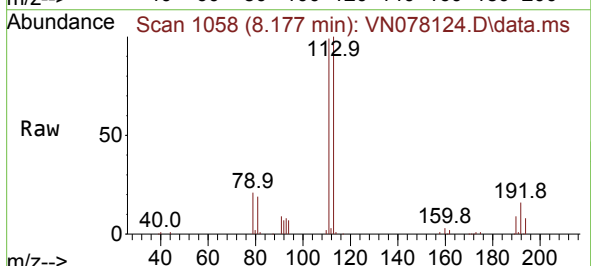
Tgt Ion:113 Resp: 223862

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 16.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.973 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078124.D

Acq: 08 Jun 2023 13:00

Instrument :

MSVOA_N

ClientSampleId :

TP-1

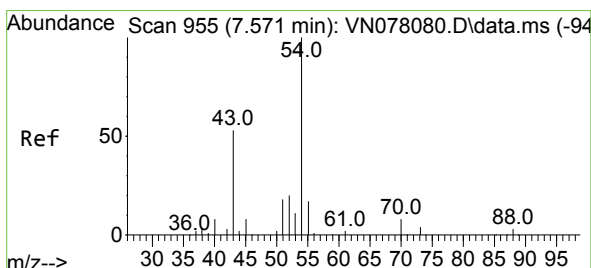
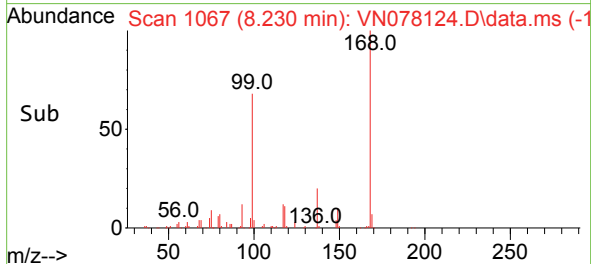
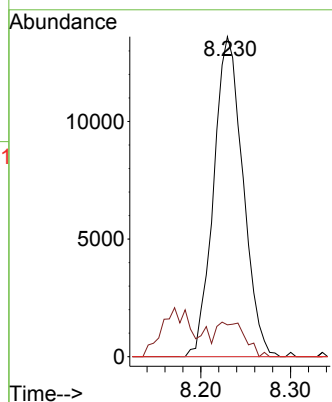
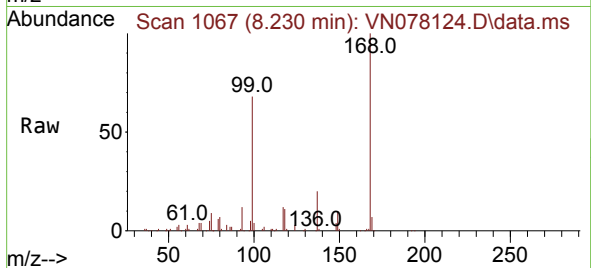
Tgt Ion: 75 Resp: 30875

Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 12.250 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.000 min

Lab File: VN078124.D

Acq: 08 Jun 2023 13:00

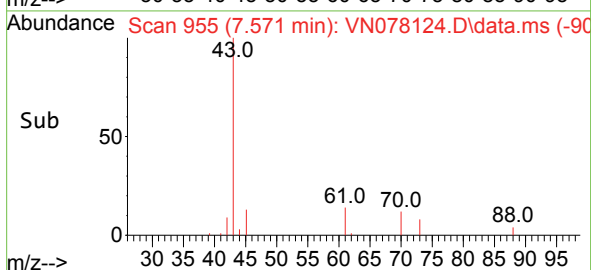
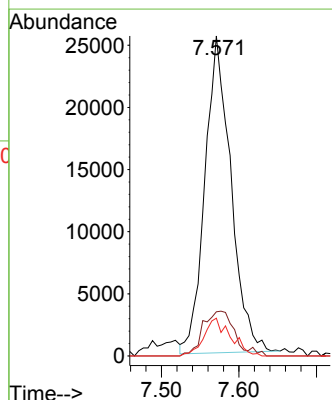
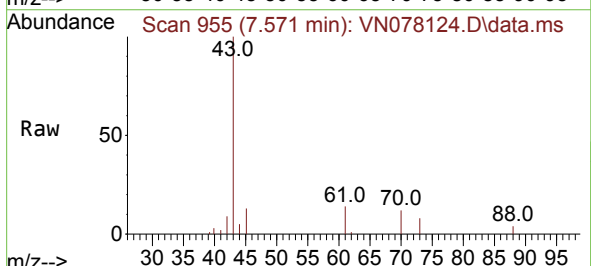
Tgt Ion: 43 Resp: 59418

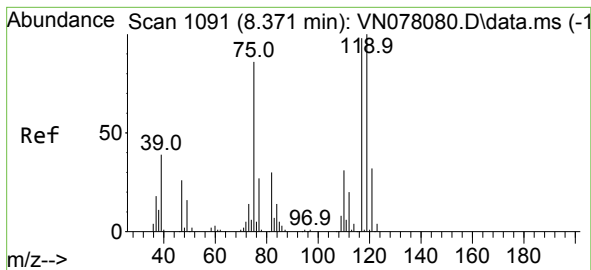
Ion Ratio Lower Upper

43 100

61 17.3 13.2 19.8

70 12.2 11.3 16.9





#38

Carbon Tetrachloride

Concen: 6.493 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078124.D

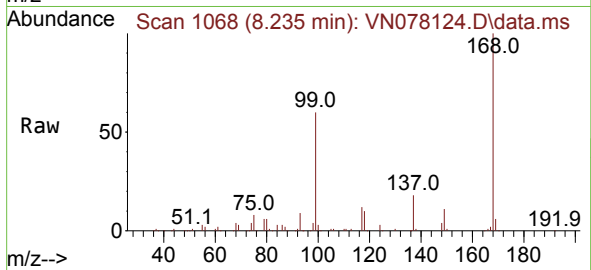
Acq: 08 Jun 2023 13:00

Instrument :

MSVOA_N

ClientSampleId :

TP-1



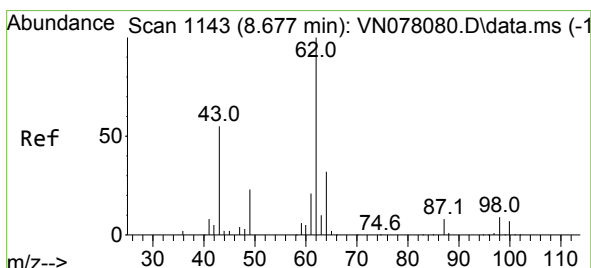
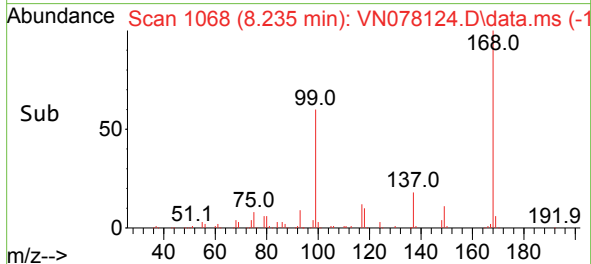
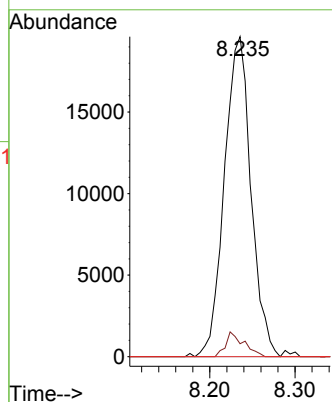
Tgt Ion:117 Resp: 42567

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.350 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.018 min

Lab File: VN078124.D

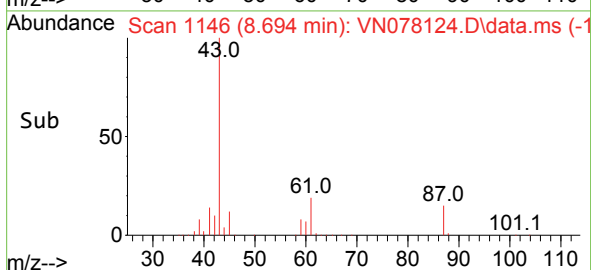
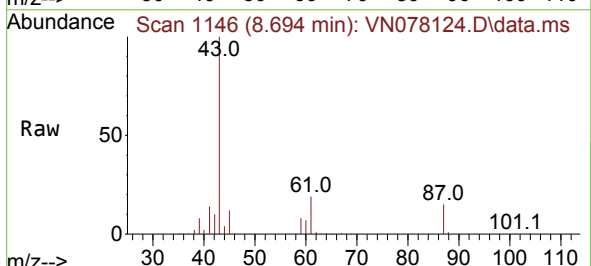
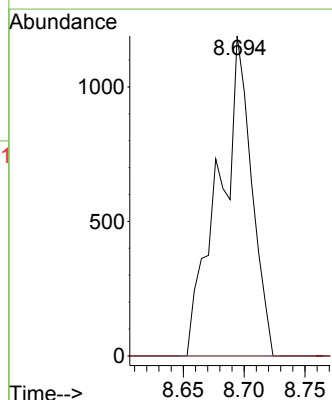
Acq: 08 Jun 2023 13:00

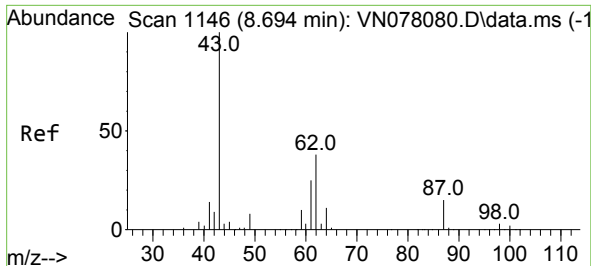
Tgt Ion: 62 Resp: 2224

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

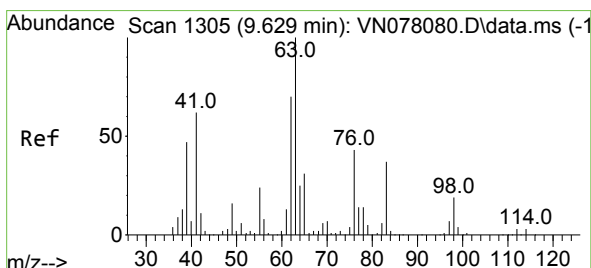
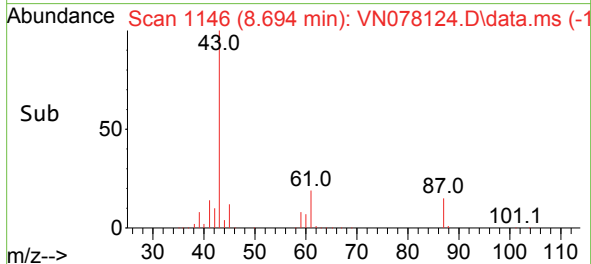
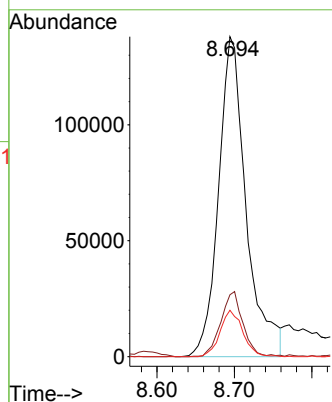
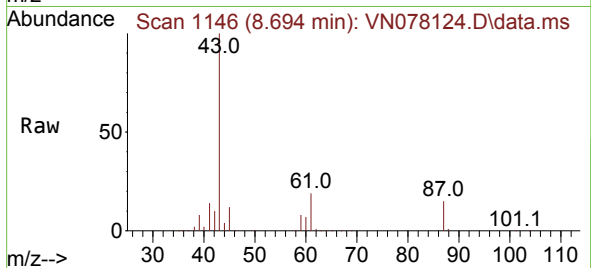




#43
Isopropyl Acetate
Concen: 36.829 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

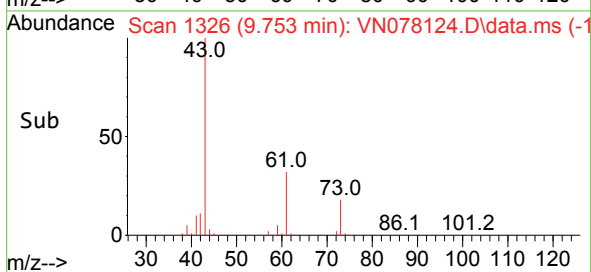
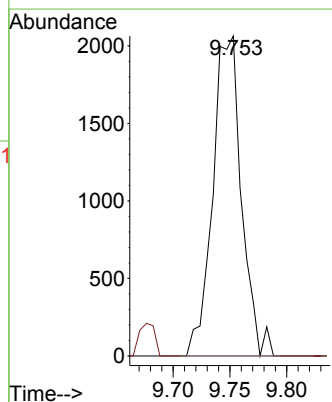
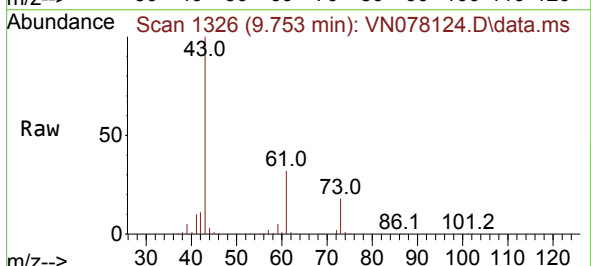
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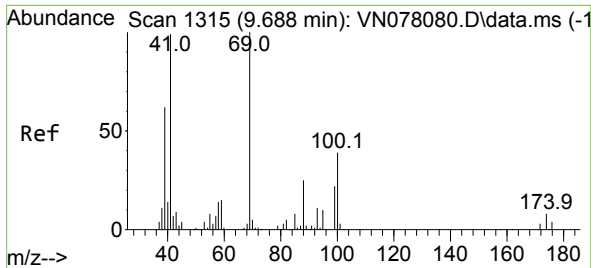
Tgt Ion: 43 Resp: 341627
Ion Ratio Lower Upper
43 100
61 16.5 24.7 37.1#
87 12.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.786 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.124 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 63 Resp: 3626
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

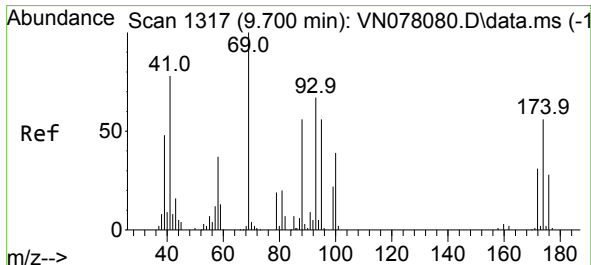
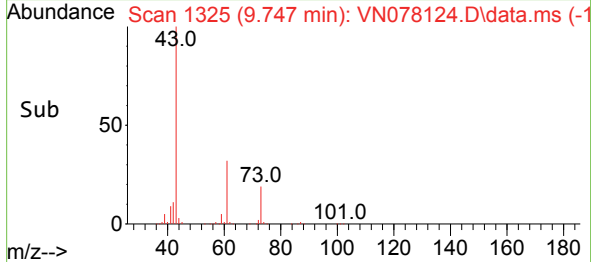
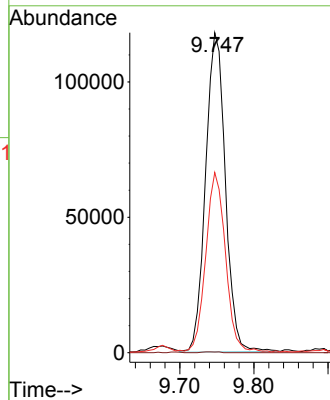
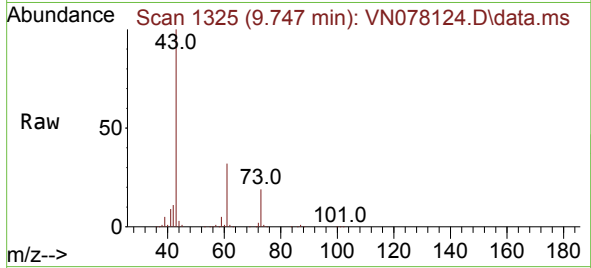




#48
Methyl methacrylate
Concen: 56.108 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

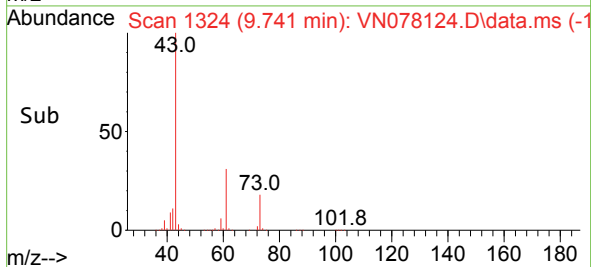
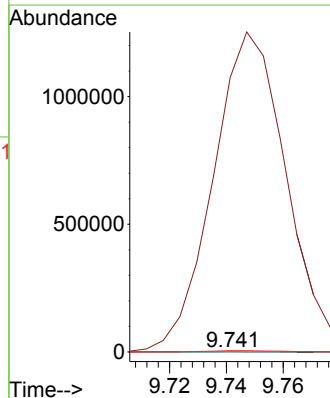
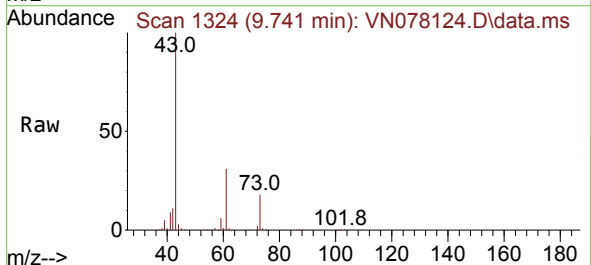
Instrument :
MSVOA_N
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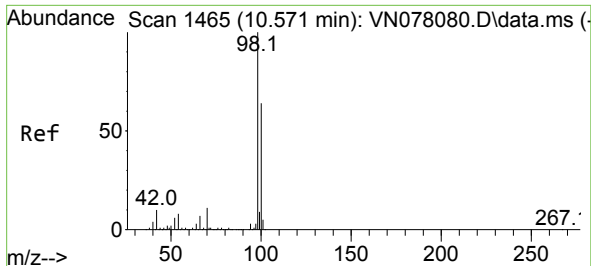
Tgt Ion: 41 Resp: 218414
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.1 54.6 81.8



#49
1,4-Dioxane
Concen: 4.498 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 88 Resp: 368
Ion Ratio Lower Upper
88 100
43 619861.4 17.0 25.6#
58 2758.2 47.0 70.4#

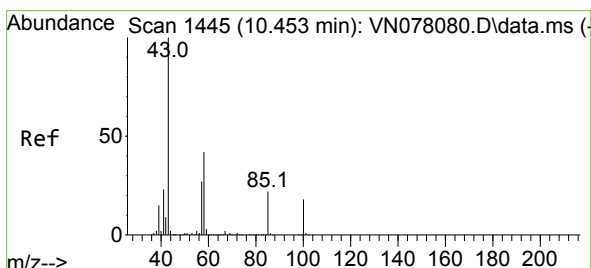
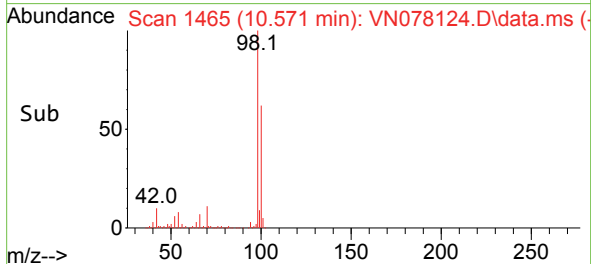
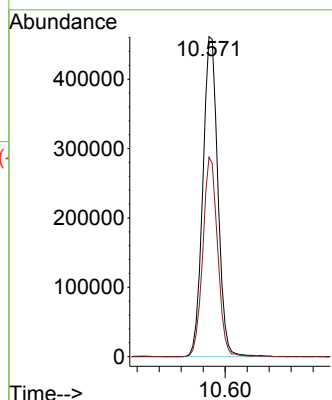
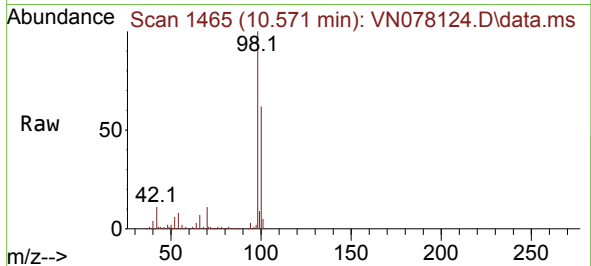




#50
Toluene-d8
Concen: 52.372 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

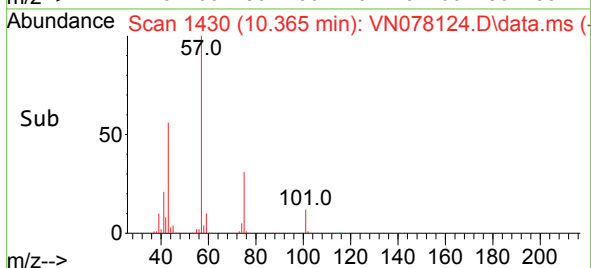
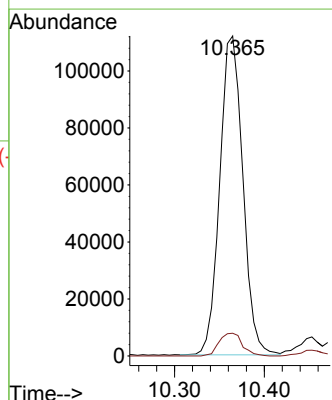
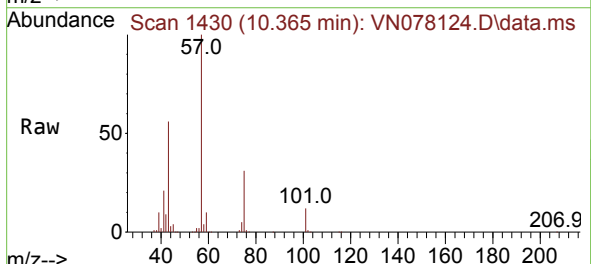
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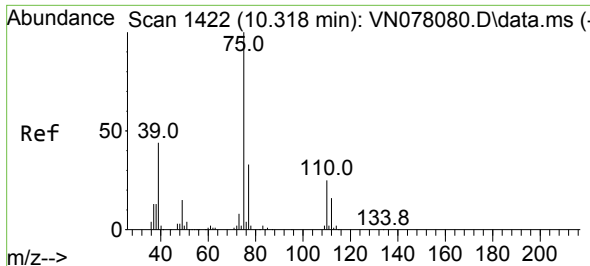
Tgt Ion: 98 Resp: 873937
Ion Ratio Lower Upper
98 100
100 61.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 40.934 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.088 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 43 Resp: 199949
Ion Ratio Lower Upper
43 100
58 7.2 36.6 54.8#

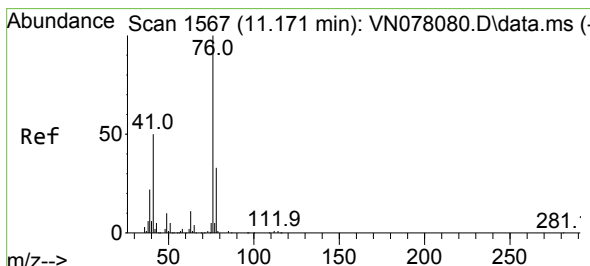
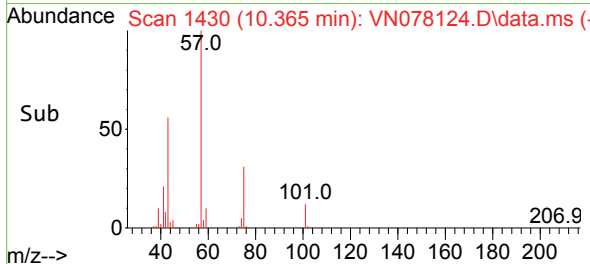
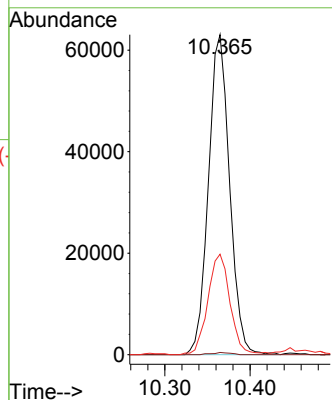
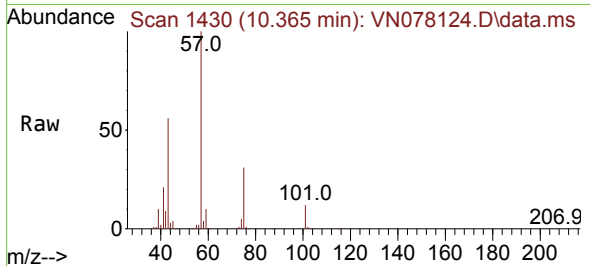




#54
 cis-1,3-Dichloropropene
 Concen: 14.964 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078124.D
 Acq: 08 Jun 2023 13:00

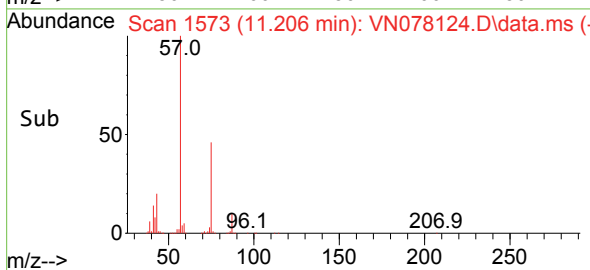
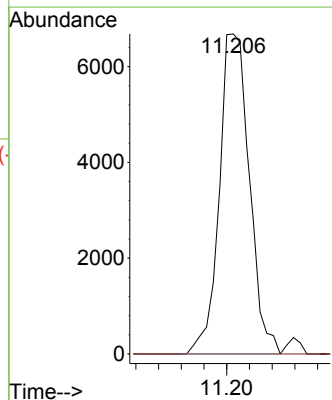
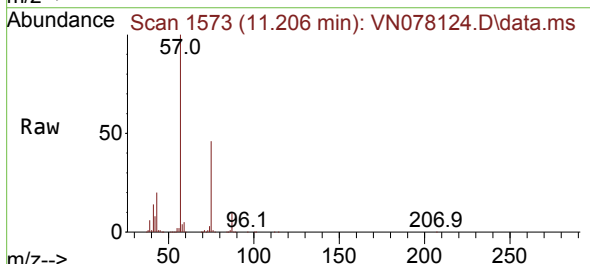
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 MSVOA_N
 ClientSampleId :
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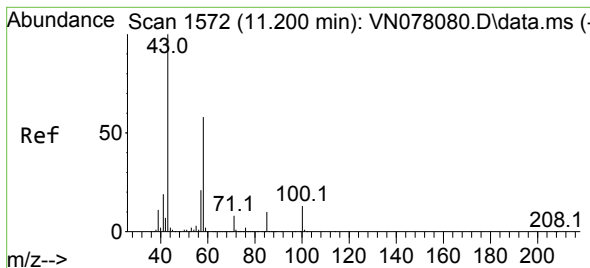
Tgt Ion: 75 Resp: 108702
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 31.4 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.643 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078124.D
 Acq: 08 Jun 2023 13:00

Tgt Ion: 76 Resp: 12281
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

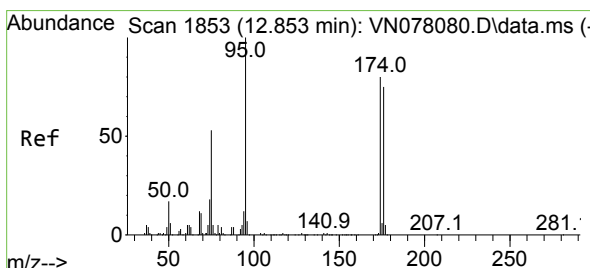
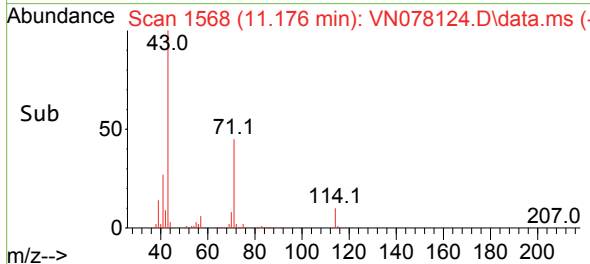
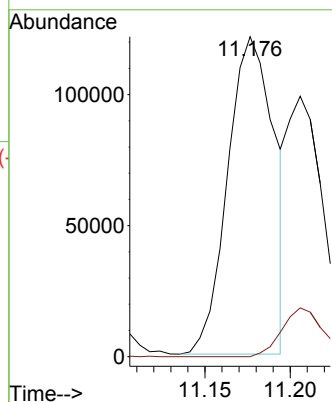
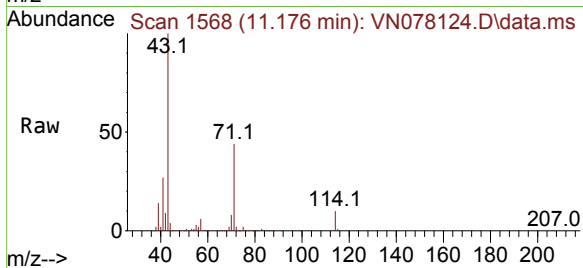




#59
2-Hexanone
Concen: 67.604 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.023 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

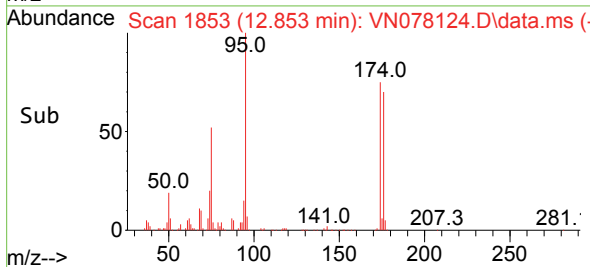
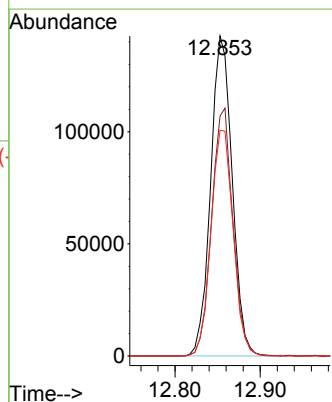
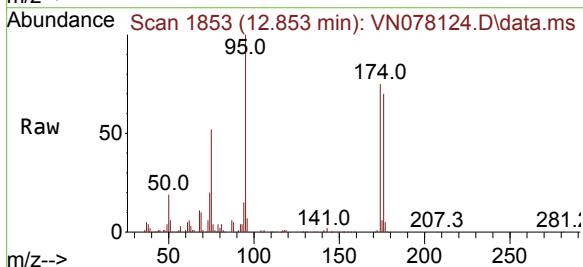
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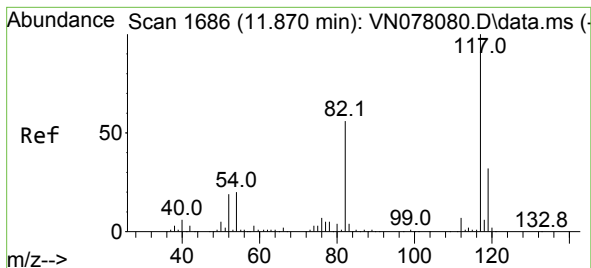
Tgt Ion: 43 Resp: 229933
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.503 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 95 Resp: 251613
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 72.3 0.0 135.8

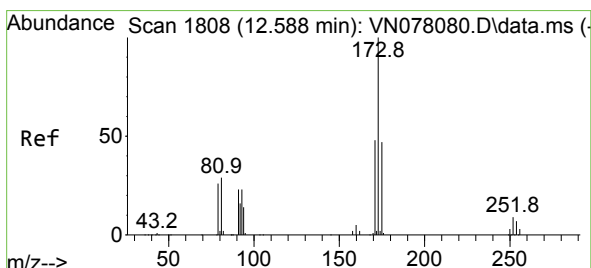
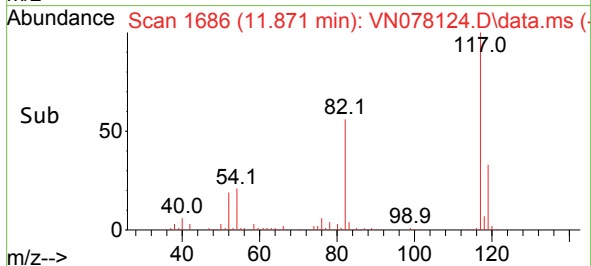
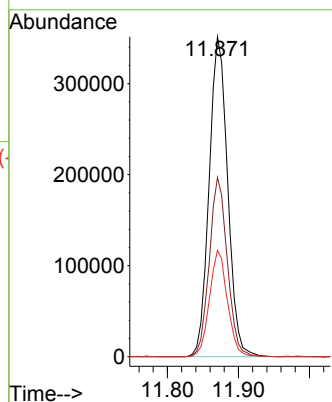
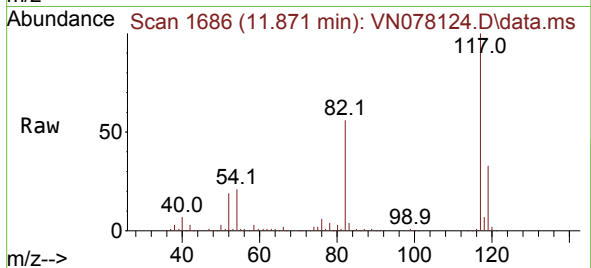




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

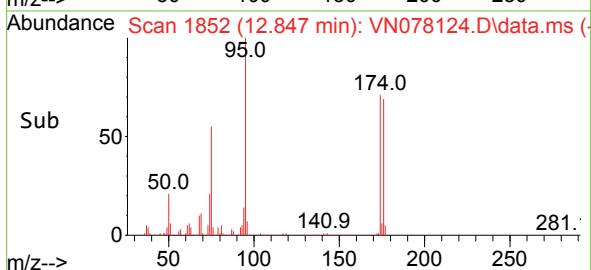
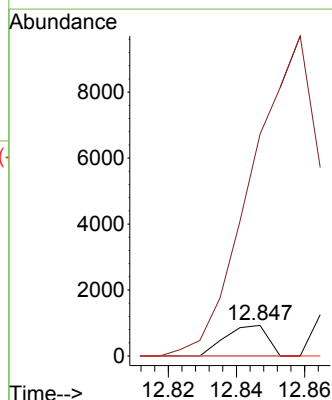
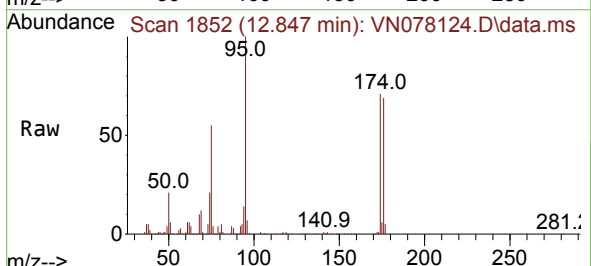
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ClientSampleId :
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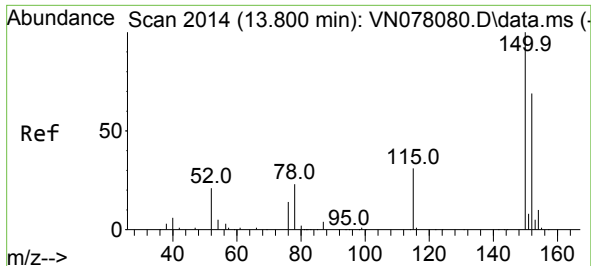
Tgt Ion:117 Resp: 636530
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 33.2 25.6 38.4



#71
Bromoform
Concen: 0.246 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.259 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion:173 Resp: 797
Ion Ratio Lower Upper
173 100
175 1629.6 24.3 73.0#
254 0.0 0.0 0.0

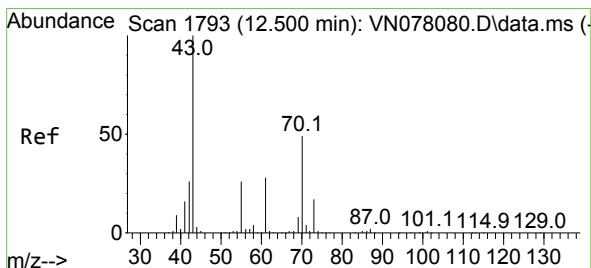
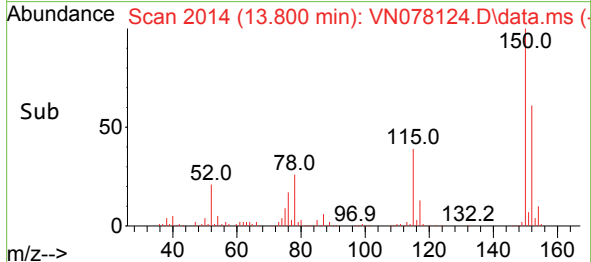
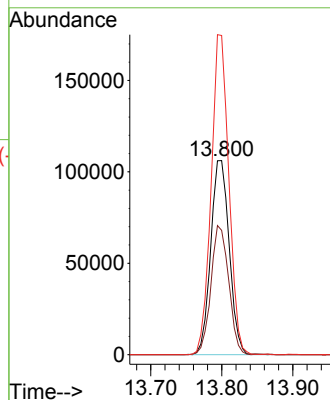
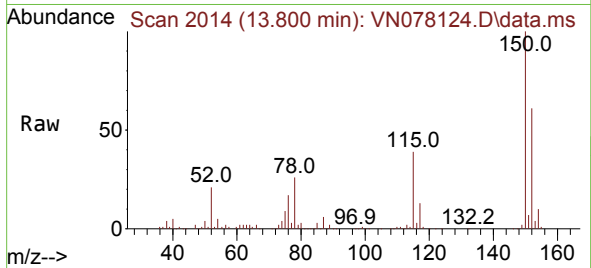




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078124.D
 Acq: 08 Jun 2023 13:00

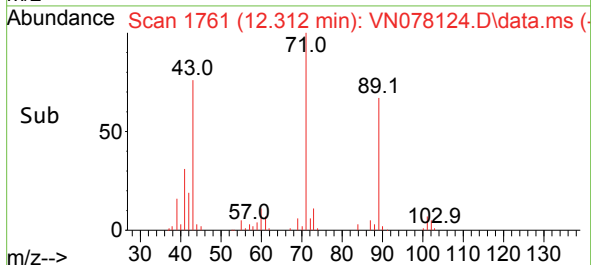
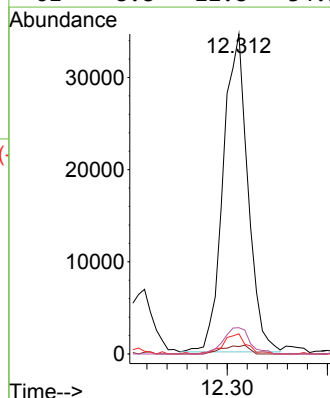
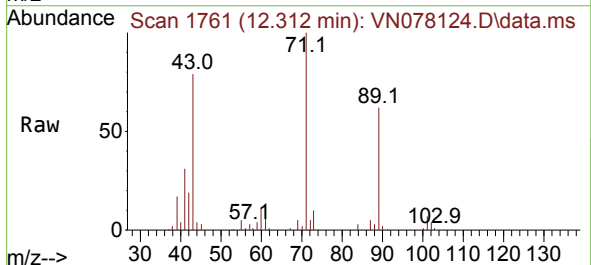
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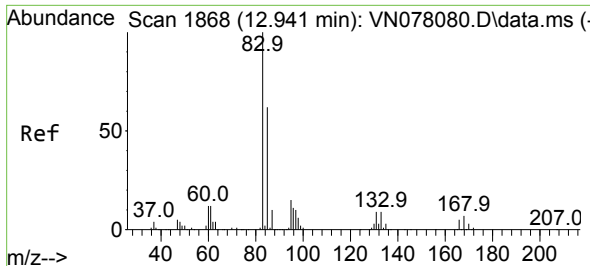
Tgt Ion:152 Resp: 191639
 Ion Ratio Lower Upper
 152 100
 115 64.0 32.3 96.8
 150 157.7 0.0 355.8



#74
 N-ethyl acetate
 Concen: 9.891 ug/l
 RT: 12.312 min Scan# 1761
 Delta R.T. -0.188 min
 Lab File: VN078124.D
 Acq: 08 Jun 2023 13:00

Tgt Ion: 43 Resp: 59026
 Ion Ratio Lower Upper
 43 100
 70 2.9 43.4 65.2#
 55 6.0 21.4 32.0#
 61 8.8 22.8 34.2#

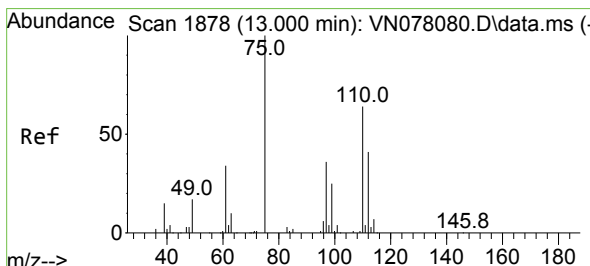
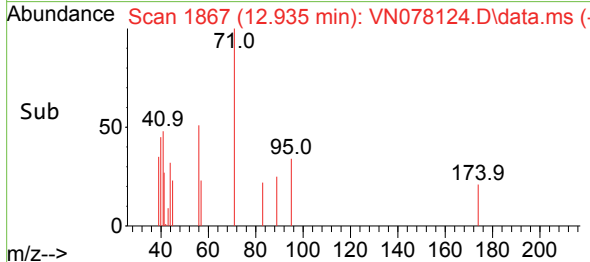
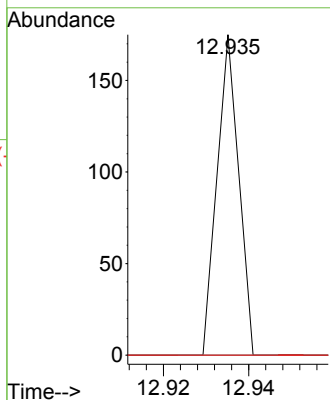
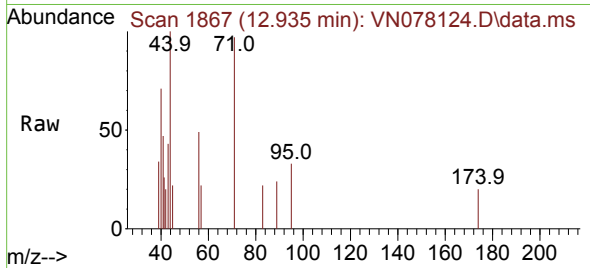




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

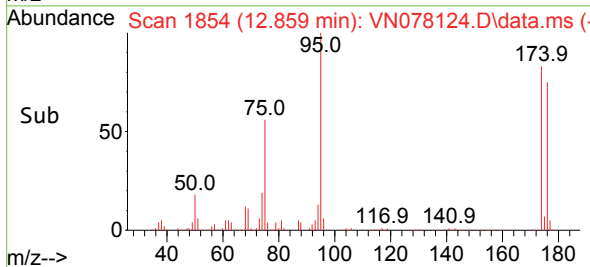
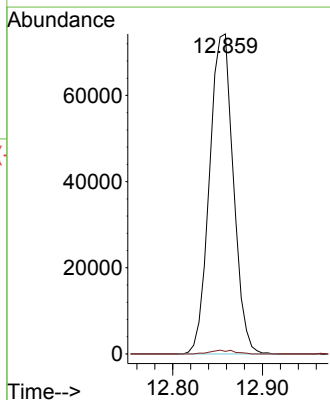
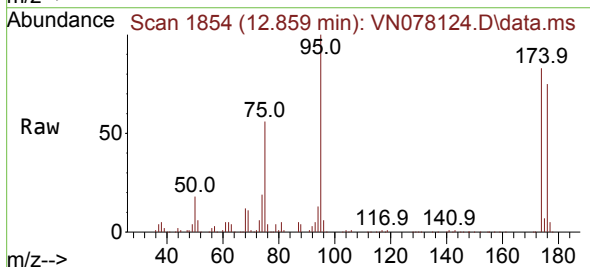
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MSVOA_N
ClientSampleId :
TP-1

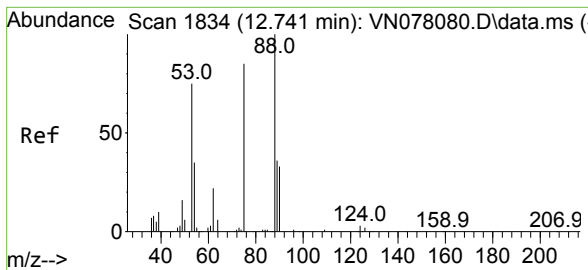
Tgt Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 30.268 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078124.D
Acq: 08 Jun 2023 13:00

Tgt Ion: 75 Resp: 137127
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.993 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078124.D
 Acq: 08 Jun 2023 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 137127
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

