

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078864.D
 Acq On : 11 Aug 2023 15:39
 Operator : JC\MD
 Sample : 03987-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JULY)

Quant Time: Aug 12 01:41:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

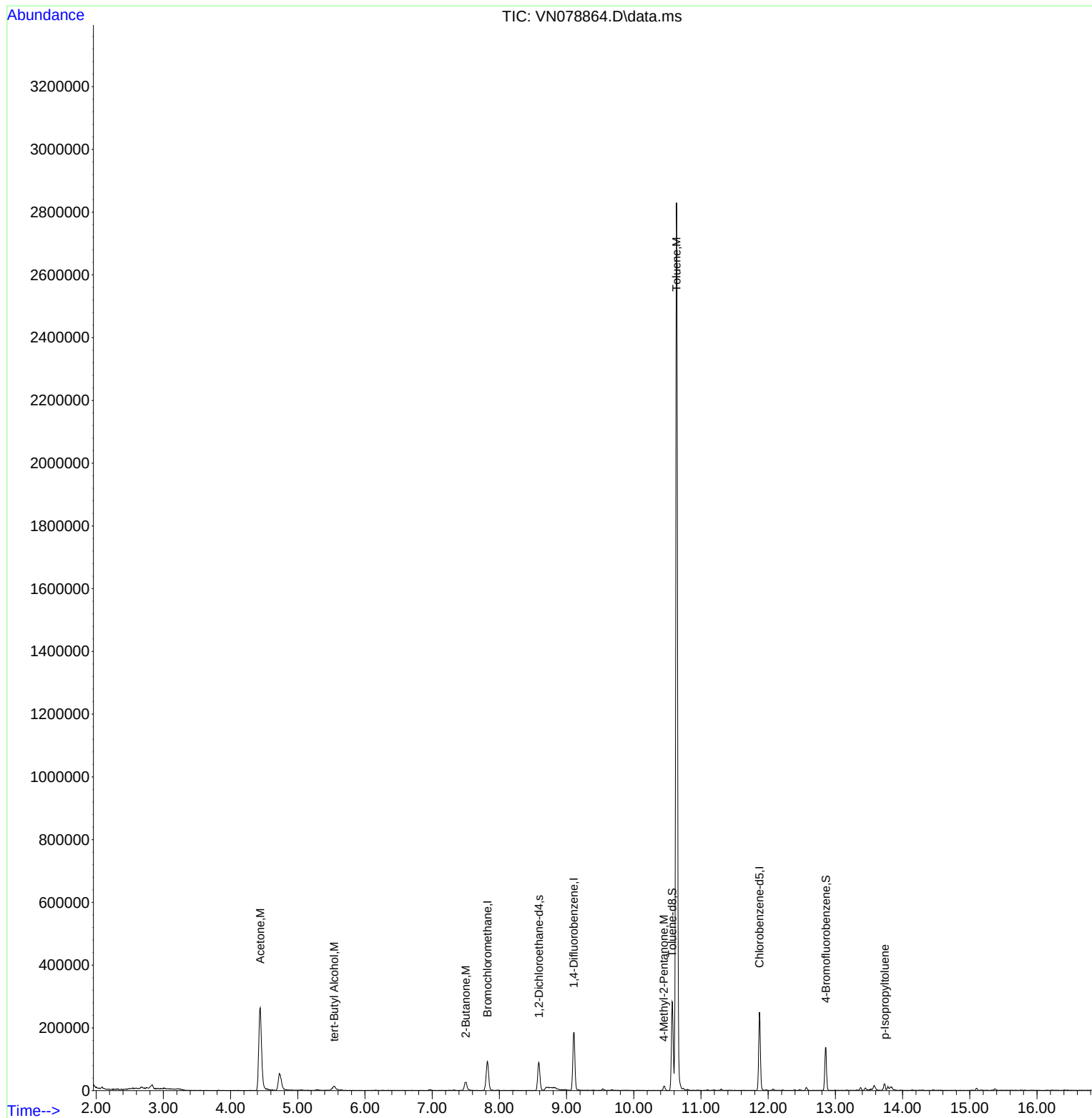
Internal Standards						
1) Bromochloromethane	7.824	128	29126	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	151671	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.871	117	132103	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	72660	30.987	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.300%			
60) 4-Bromofluorobenzene	12.859	95	44063	23.763	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 79.200%			
63) Toluene-d8	10.571	98	191451	29.575	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.567%			
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	145377	607.362	ug/l	78
23) tert-Butyl Alcohol	5.542	59	19659	56.950	ug/l	# 100
30) 2-Butanone	7.500	43	47816	39.591	ug/l	# 54
58) 4-Methyl-2-Pentanone	10.447	43	10529	4.147	ug/l	# 87
62) Toluene	10.635	91	2111979	271.554	ug/l	99
82) p-Isopropyltoluene	13.735	119	9735	1.956	ug/l	96

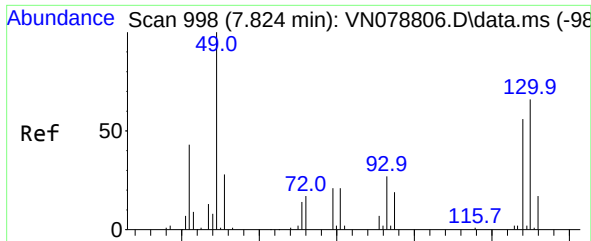
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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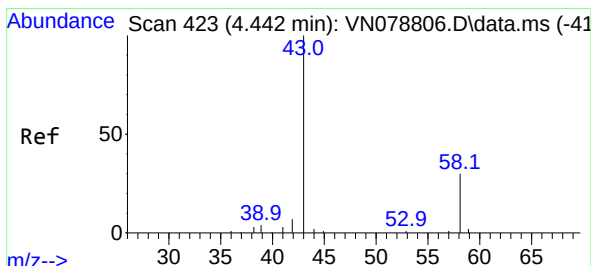
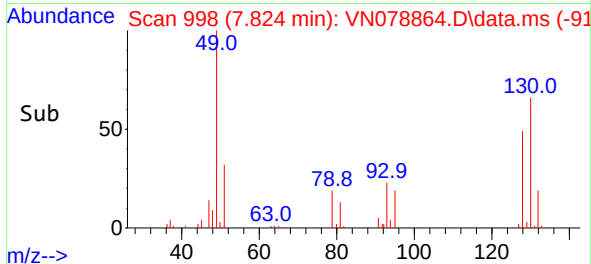
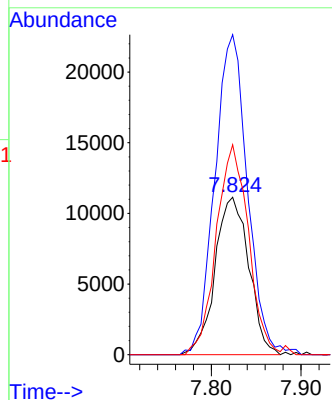
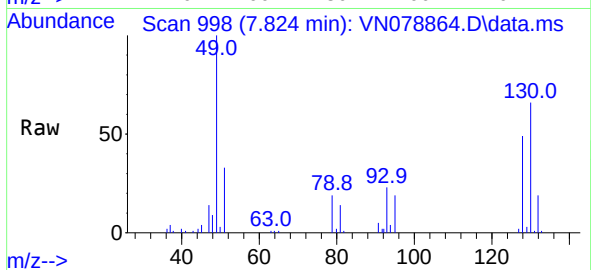




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

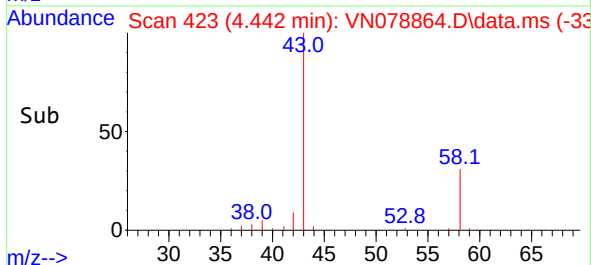
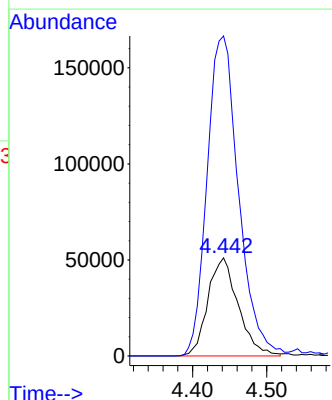
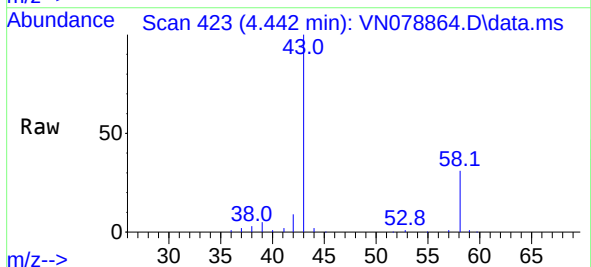
Instrument :
MSVOA_N
ClientSampleId :
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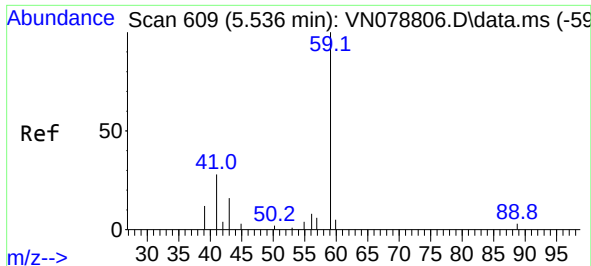
Tgt Ion:128 Resp: 29126
Ion Ratio Lower Upper
128 100
49 195.5 0.0 370.8
130 126.7 0.0 307.0



#15
Acetone
Concen: 607.362 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 58 Resp: 145377
Ion Ratio Lower Upper
58 100
43 325.9 227.5 341.3

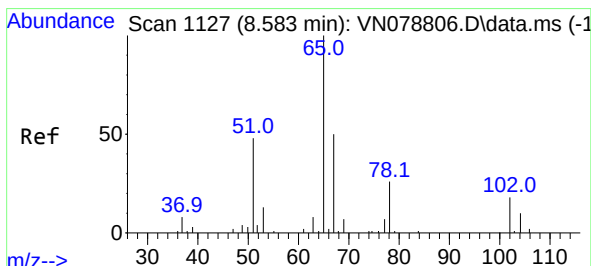
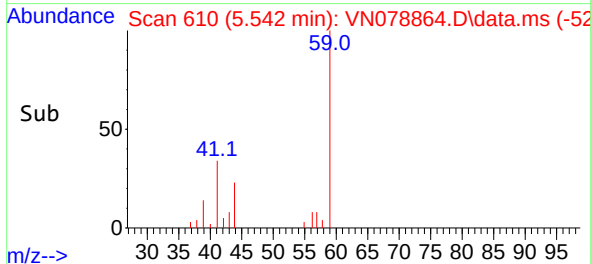
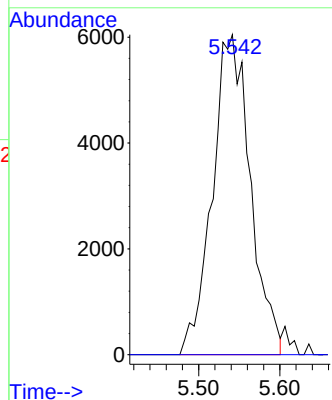
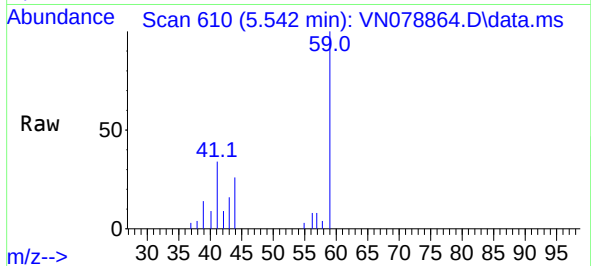




#23
tert-Butyl Alcohol
Concen: 56.950 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

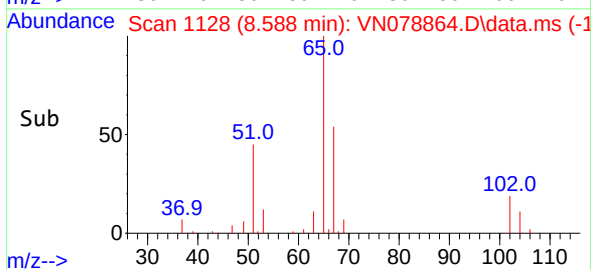
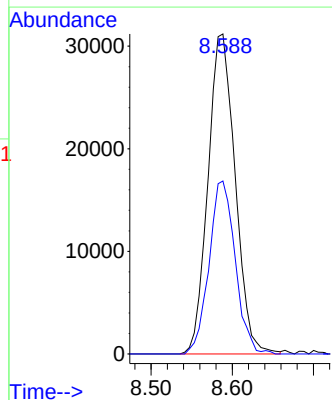
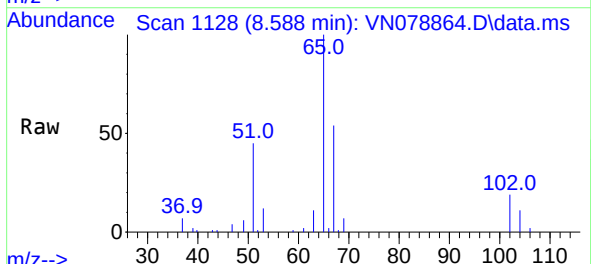
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

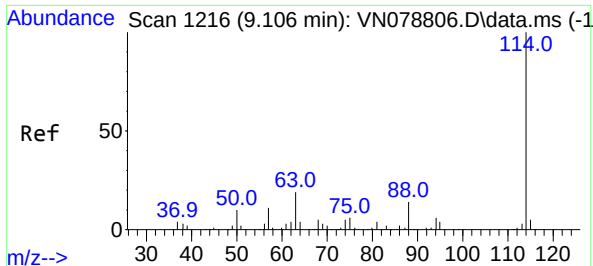
Tgt Ion: 59 Resp: 19659
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.987 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 65 Resp: 72660
Ion Ratio Lower Upper
65 100
67 51.7 42.9 64.3

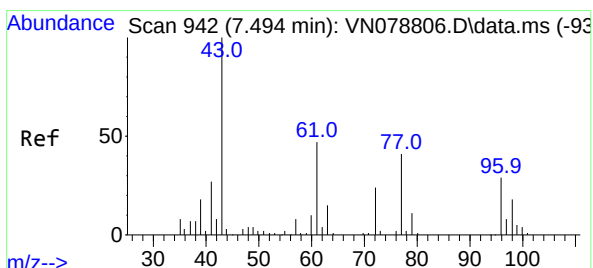
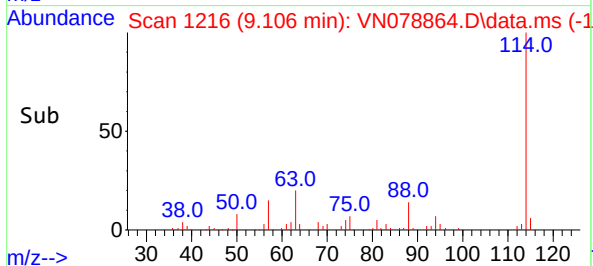
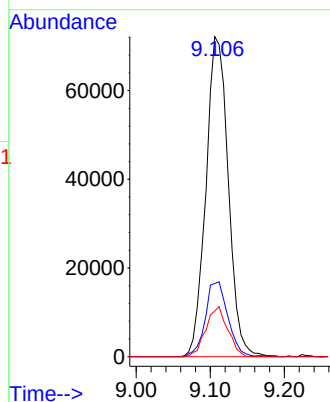
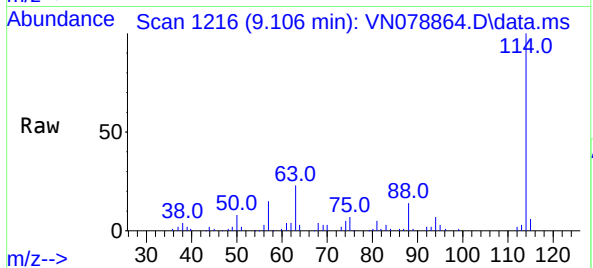




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

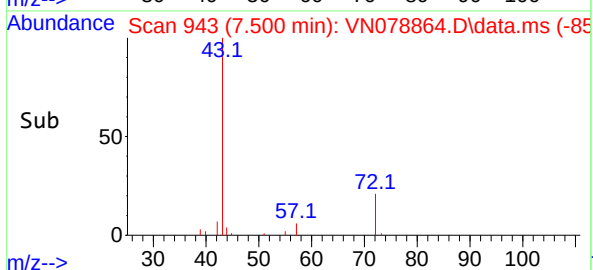
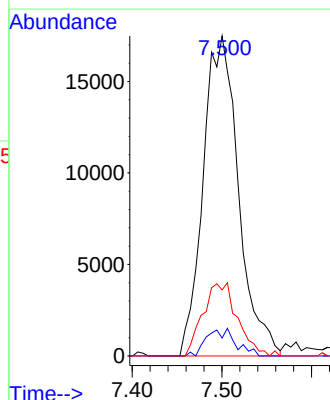
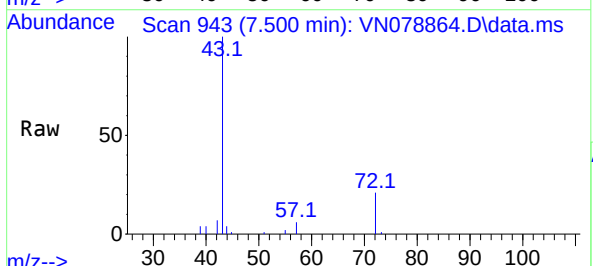
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

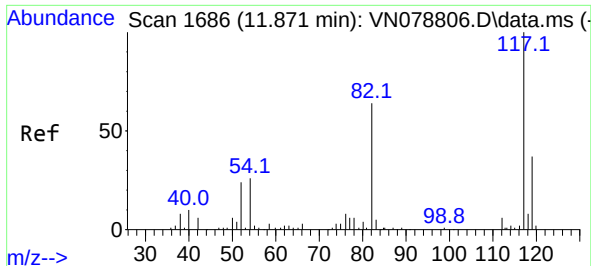
Tgt Ion:114 Resp: 151671
Ion Ratio Lower Upper
114 100
63 23.5 15.2 22.8#
88 15.2 12.5 18.7



#30
2-Butanone
Concen: 39.591 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 43 Resp: 47816
Ion Ratio Lower Upper
43 100
57 3.0 6.8 10.2#
72 0.0 23.8 35.6#

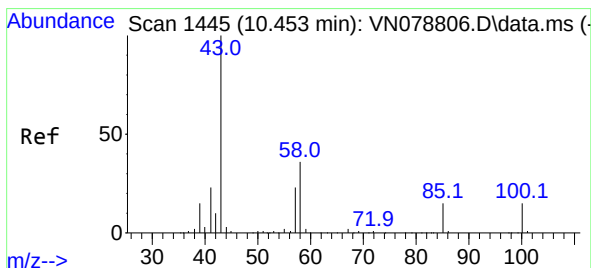
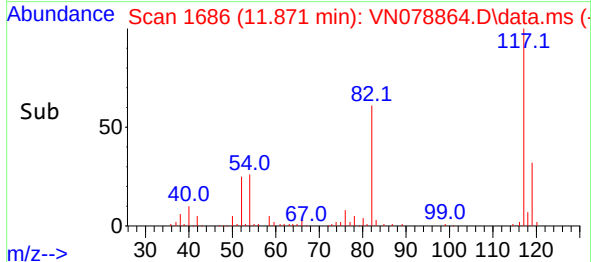
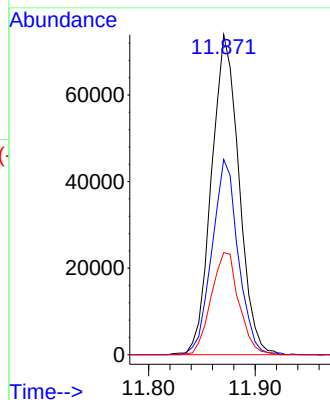
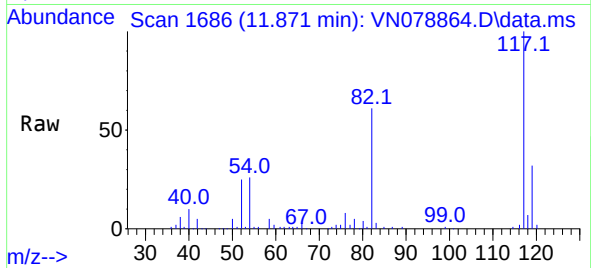




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

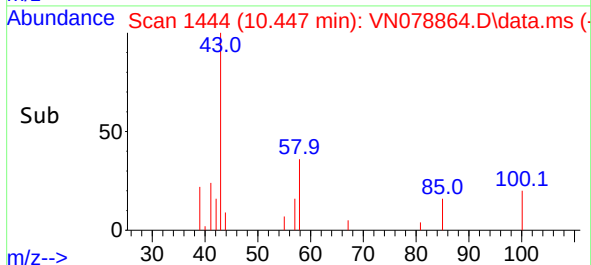
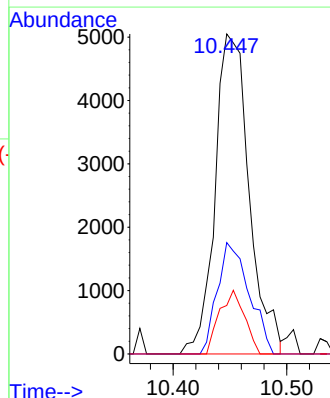
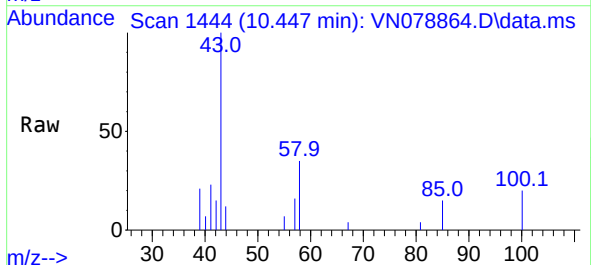
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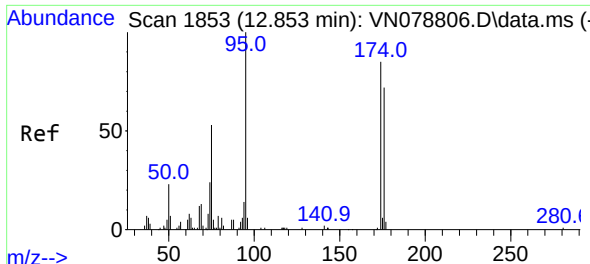
Tgt Ion:117 Resp: 132103
Ion Ratio Lower Upper
117 100
82 58.2 43.9 65.9
119 32.3 26.2 39.4



#58
4-Methyl-2-Pentanone
Concen: 4.147 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 43 Resp: 10529
Ion Ratio Lower Upper
43 100
58 32.5 32.6 48.8#
85 14.6 16.2 24.2#

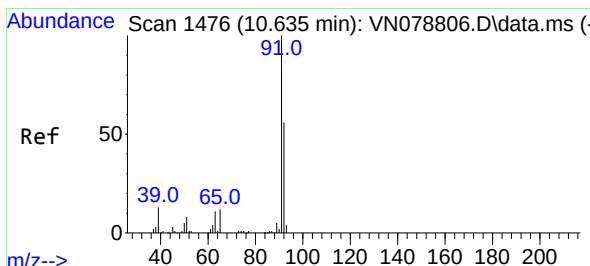
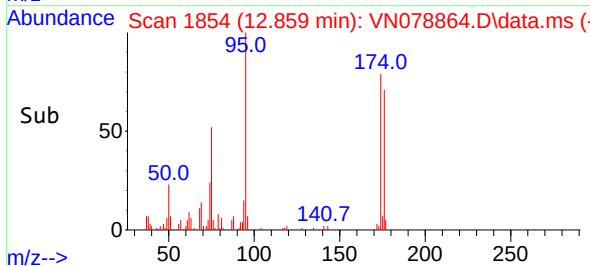
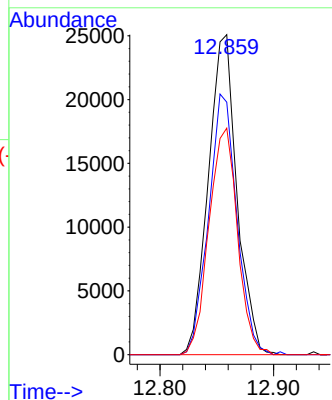
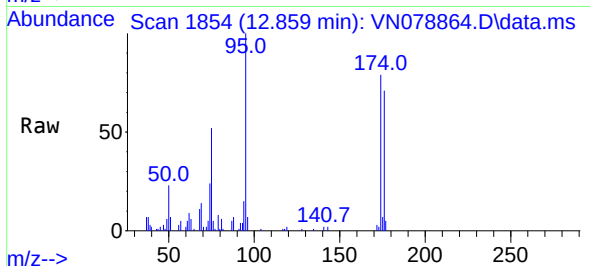




#60
4-Bromofluorobenzene
Concen: 23.763 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

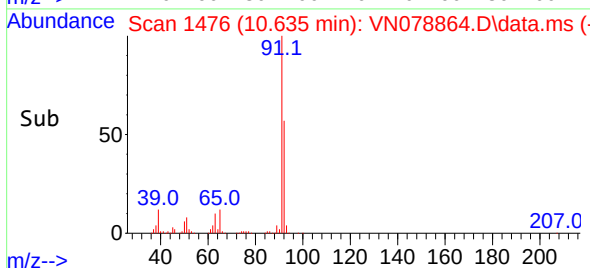
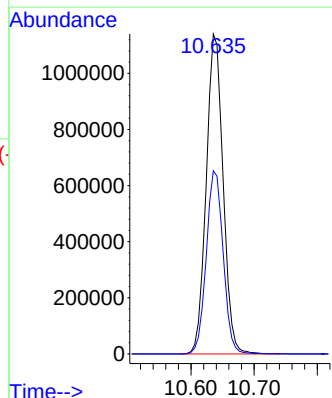
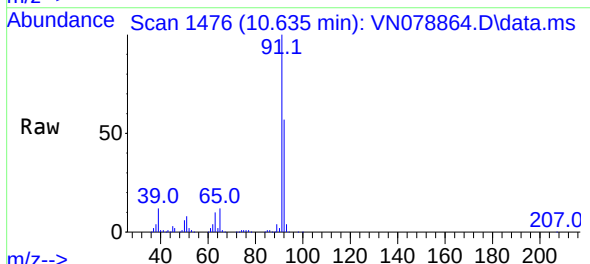
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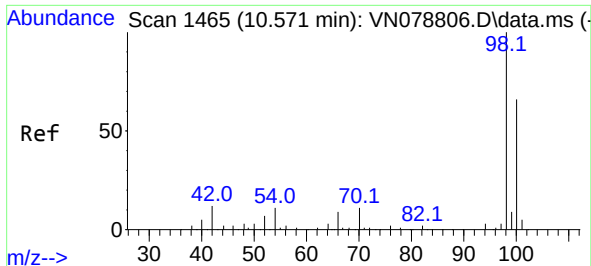
Tgt Ion: 95 Resp: 44063
Ion Ratio Lower Upper
95 100
174 80.3 61.7 92.5
176 70.4 58.1 87.1



#62
Toluene
Concen: 271.554 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 91 Resp: 2111979
Ion Ratio Lower Upper
91 100
92 57.3 45.2 67.8

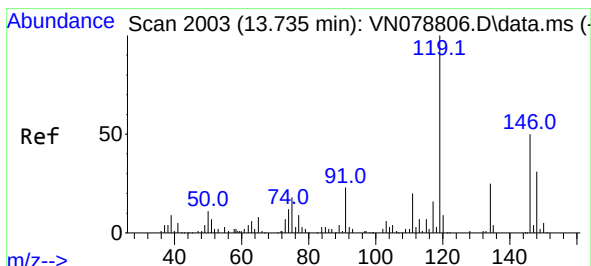
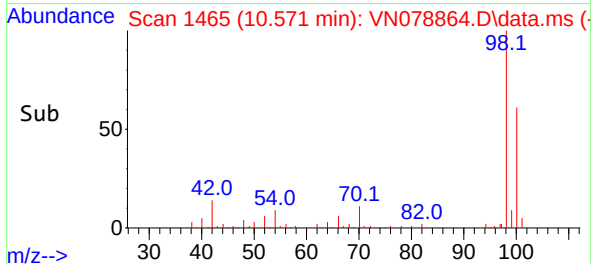
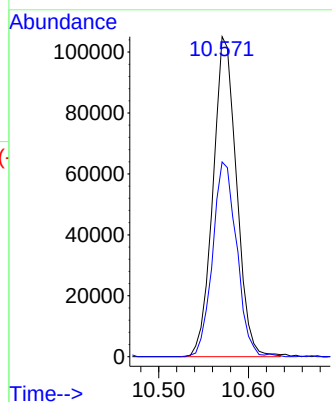
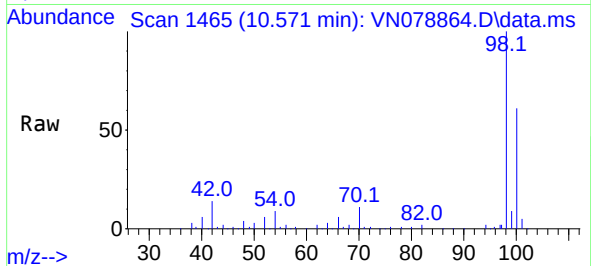




#63
Toluene-d8
Concen: 29.575 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion: 98 Resp: 191451
Ion Ratio Lower Upper
98 100
100 61.9 49.7 74.5



#82
p-Isopropyltoluene
Concen: 1.956 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN078864.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 119 Resp: 9735
Ion Ratio Lower Upper
119 100
134 22.4 0.0 52.4
91 24.5 0.0 48.2

