

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078934.D
 Acq On : 17 Aug 2023 18:42
 Operator : JC\MD
 Sample : 04027-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUN)DL

Quant Time: Aug 18 05:34:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

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

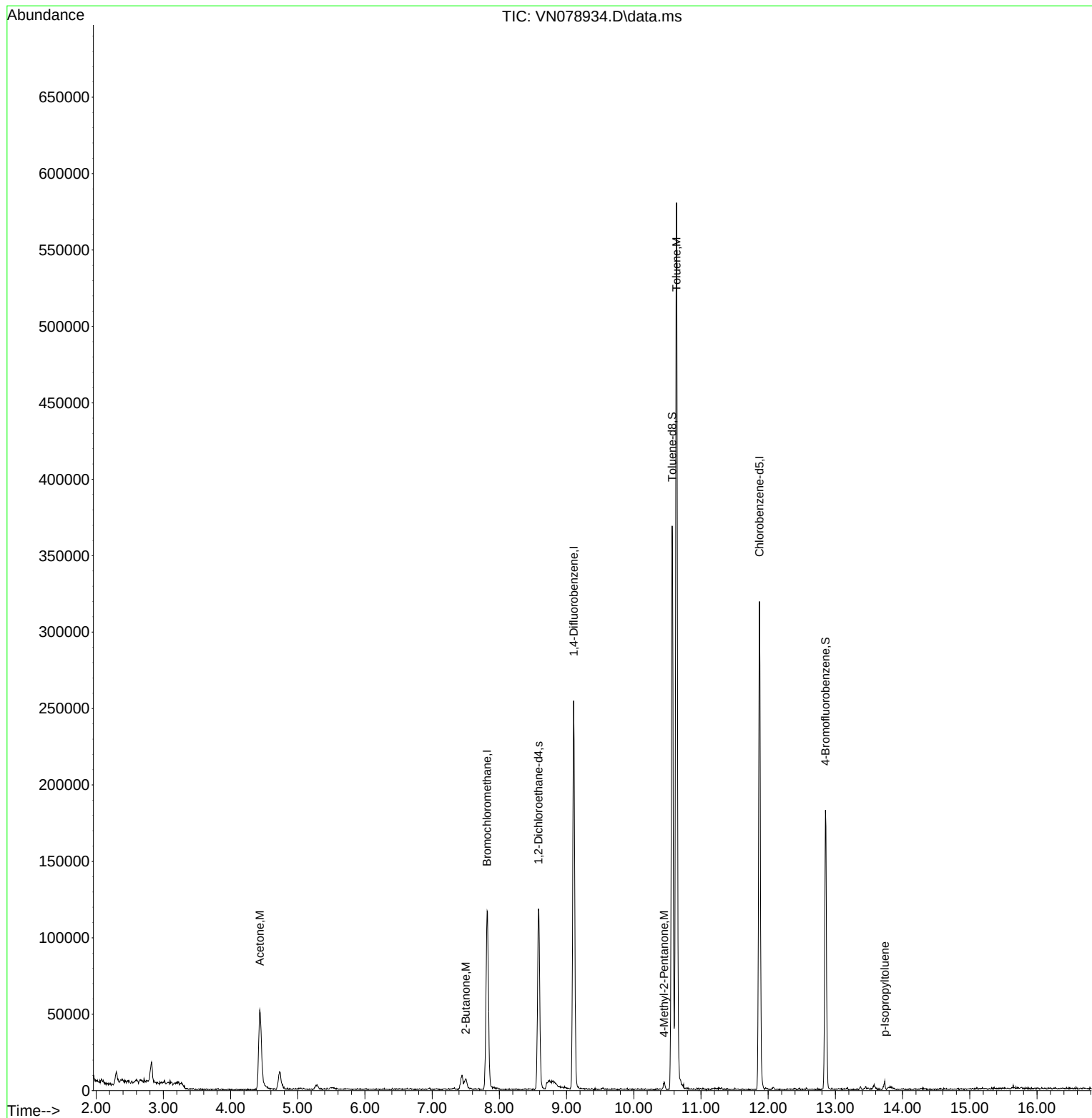
Internal Standards						
1) Bromochloromethane	7.818	128	37806	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	204509	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	177326	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	95154	31.067	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.567%			
60) 4-Bromofluorobenzene	12.853	95	59557	23.024	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 76.733%			
63) Toluene-d8	10.571	98	252849	30.534	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.767%			
Target Compounds						
15) Acetone	4.436	58	29457	77.826	ug/l	99
30) 2-Butanone	7.500	43	11230	6.166	ug/l #	96
58) 4-Methyl-2-Pentanone	10.453	43	3523	1.001	ug/l #	85
62) Toluene	10.635	91	424117	43.809	ug/l	98
82) p-Isopropyltoluene	13.735	119	2780	0.427	ug/l	92

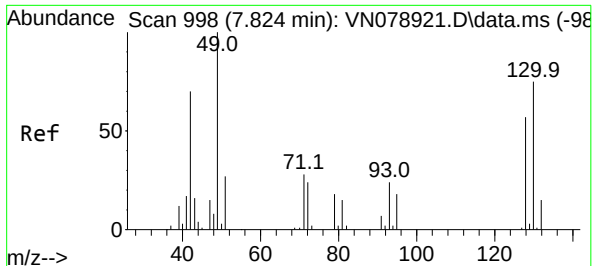
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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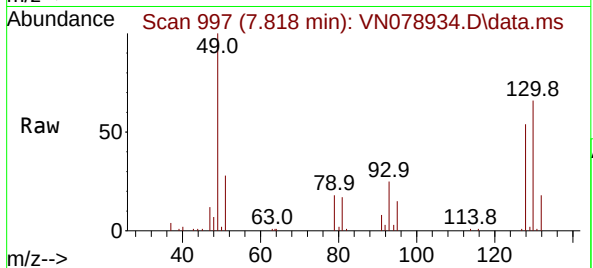
Quant Time: Aug 18 05:34:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration



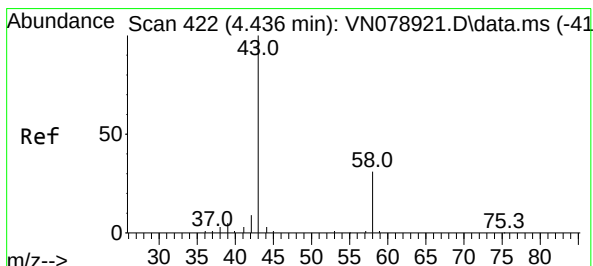
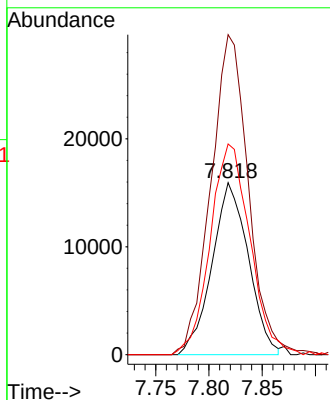
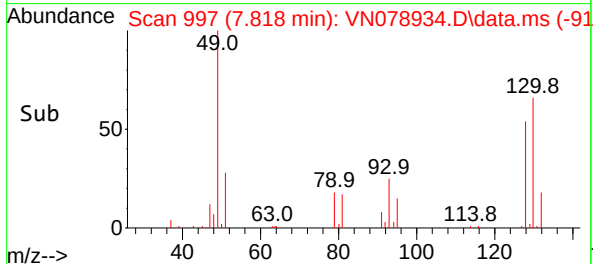


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

Instrument :
MSVOA_N
ClientSampleId :
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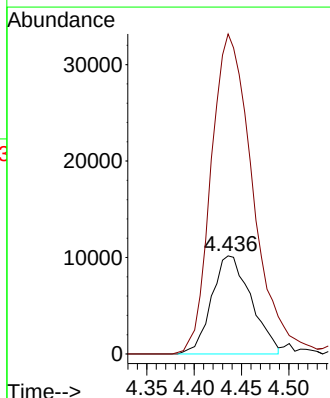
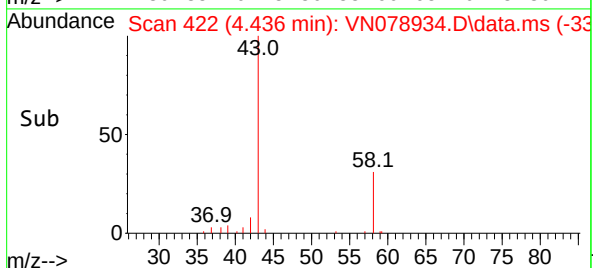
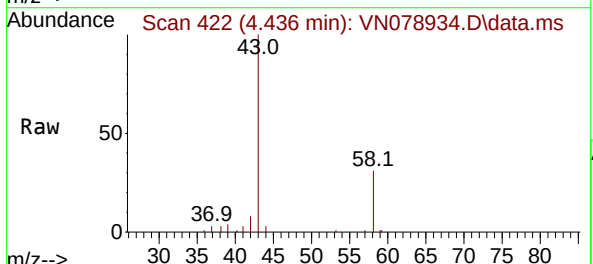


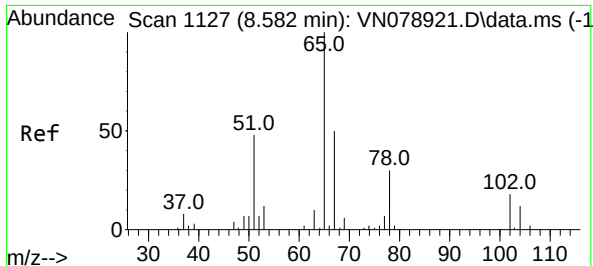
Tgt Ion:128 Resp: 37806
Ion Ratio Lower Upper
128 100
49 191.8 0.0 481.8
130 133.7 0.0 320.5



#15
Acetone
Concen: 77.826 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

Tgt Ion: 58 Resp: 29457
Ion Ratio Lower Upper
58 100
43 324.5 260.6 390.8





#27

1,2-Dichloroethane-d4

Concen: 31.067 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078934.D

Acq: 17 Aug 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

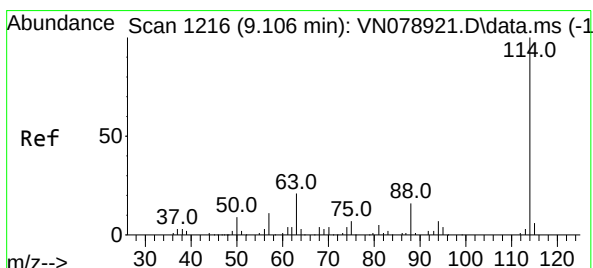
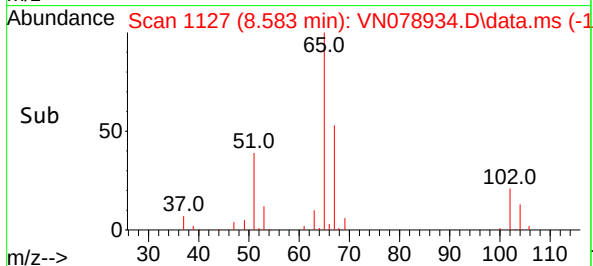
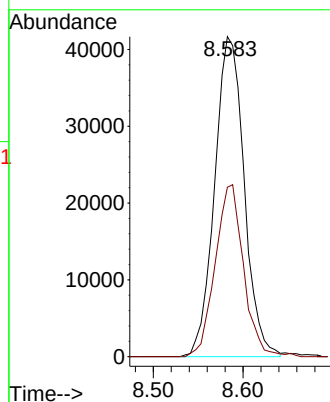
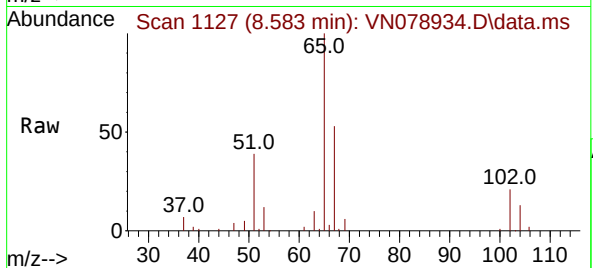
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Tgt Ion: 65 Resp: 95154

Ion Ratio Lower Upper

65 100

67 51.4 40.7 61.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078934.D

Acq: 17 Aug 2023 18:42

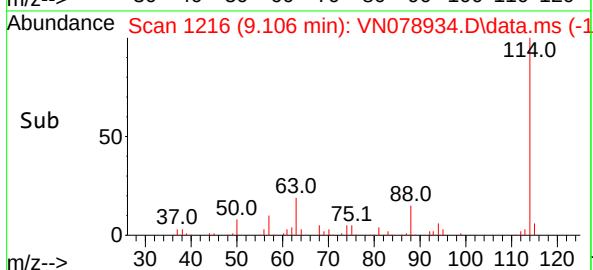
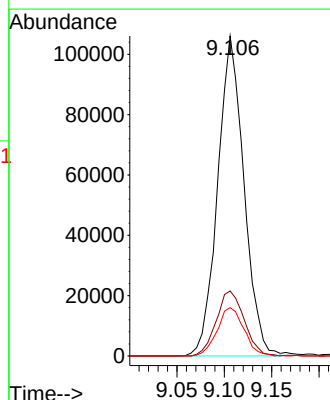
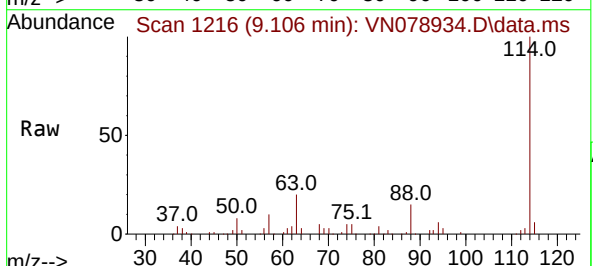
Tgt Ion: 114 Resp: 204509

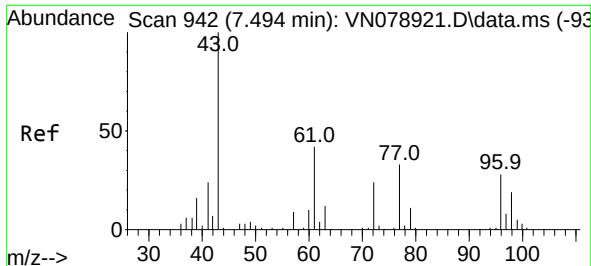
Ion Ratio Lower Upper

114 100

63 21.6 17.4 26.2

88 15.4 12.0 18.0

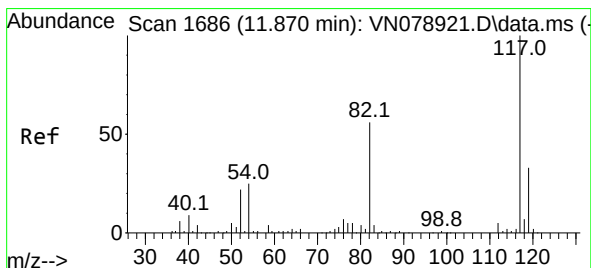
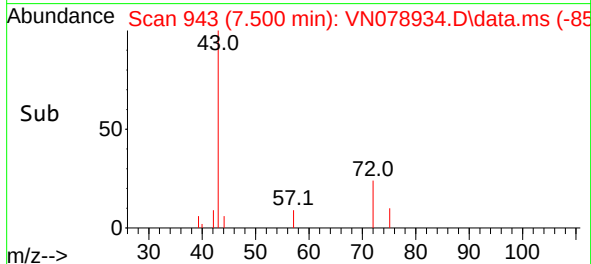
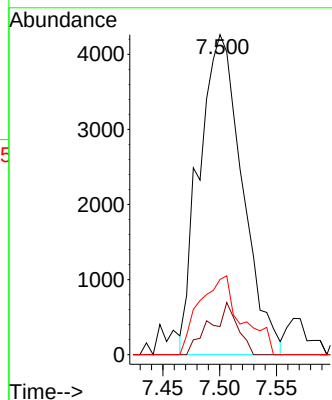
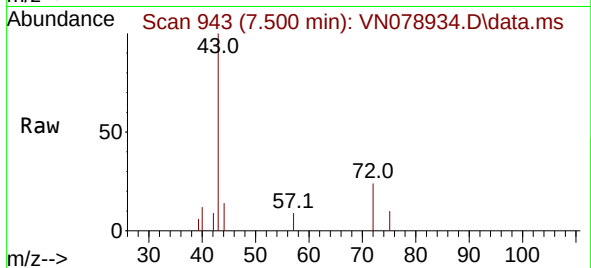




#30
2-Butanone
Concen: 6.166 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

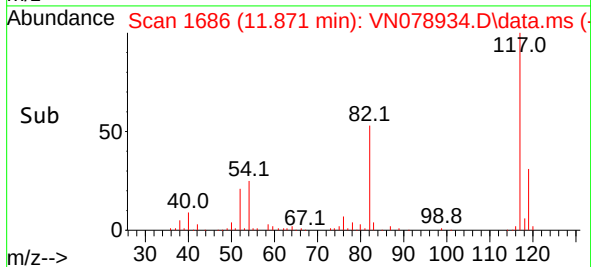
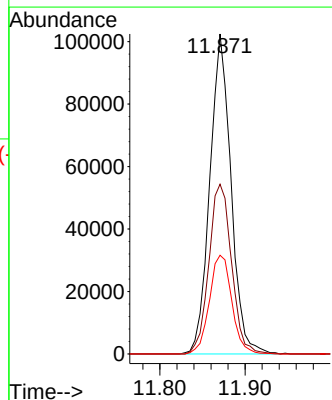
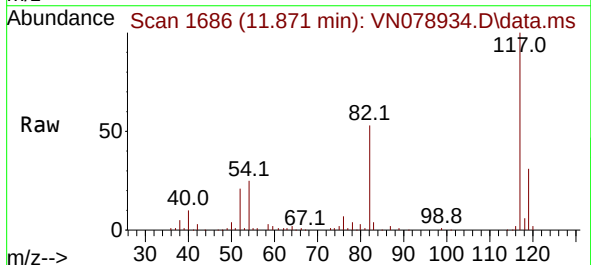
Instrument :
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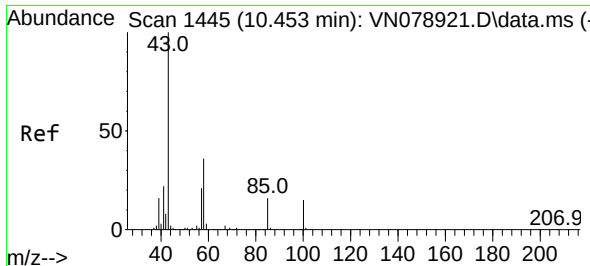
Tgt Ion: 43 Resp: 11230
Ion Ratio Lower Upper
43 100
57 5.3 6.2 9.4#
72 23.1 19.4 29.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

Tgt Ion: 117 Resp: 177326
Ion Ratio Lower Upper
117 100
82 56.7 43.4 65.0
119 32.7 25.5 38.3

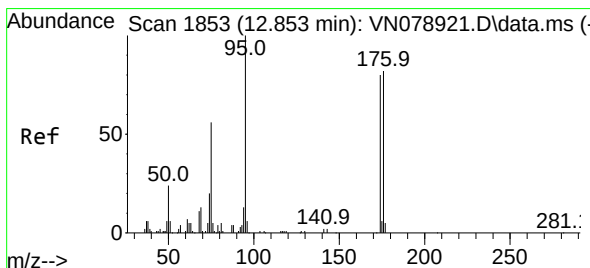
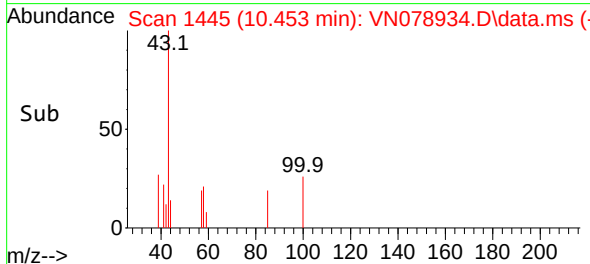
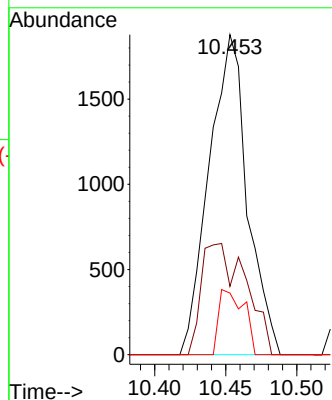
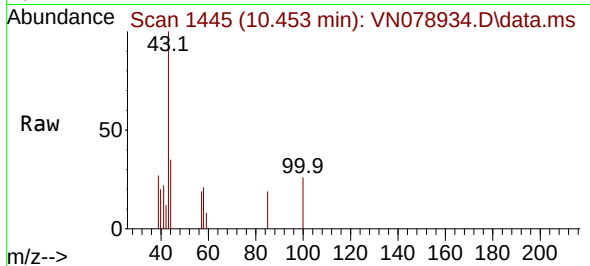




#58
4-Methyl-2-Pentanone
Concen: 1.001 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

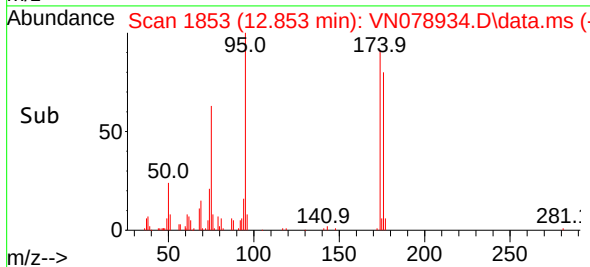
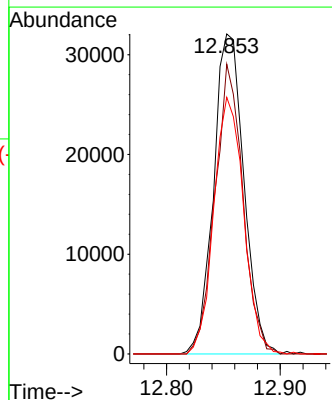
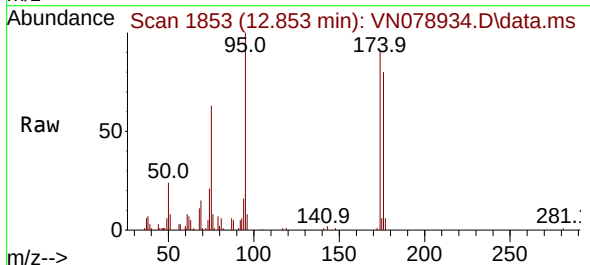
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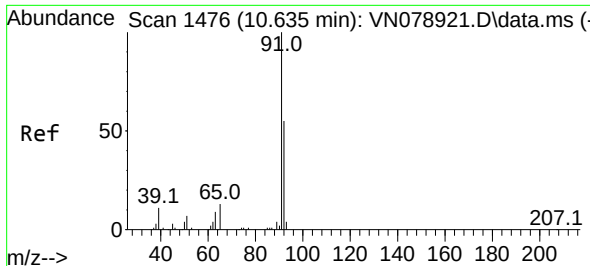
Tgt Ion: 43 Resp: 3523
Ion Ratio Lower Upper
43 100
58 25.1 28.8 43.2#
85 13.3 12.7 19.1



#60
4-Bromofluorobenzene
Concen: 23.024 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

Tgt Ion: 95 Resp: 59557
Ion Ratio Lower Upper
95 100
174 83.0 64.8 97.2
176 78.7 63.0 94.6

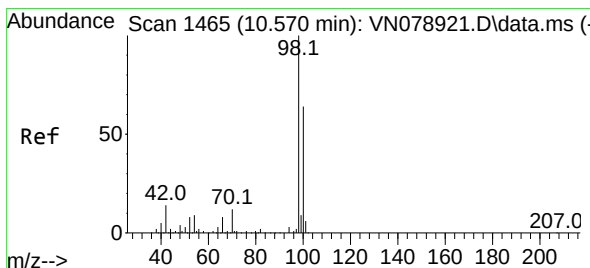
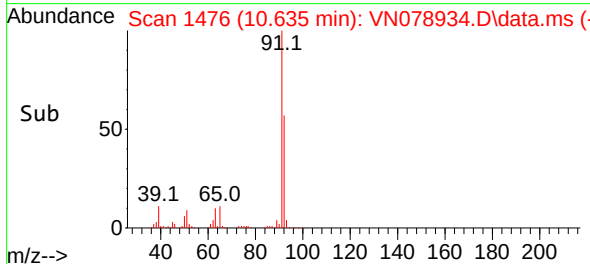
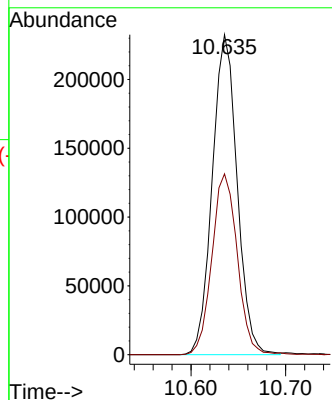
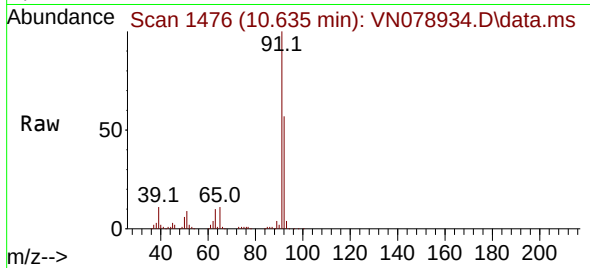




#62
Toluene
Concen: 43.809 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

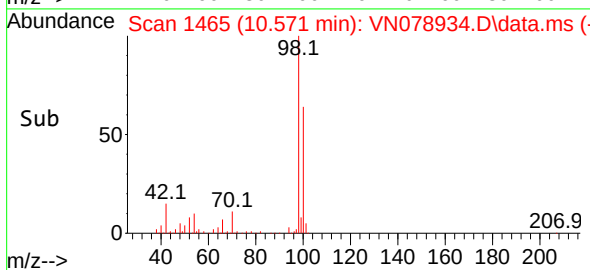
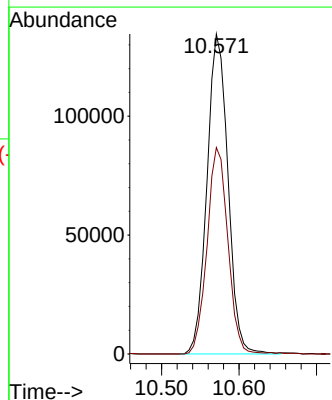
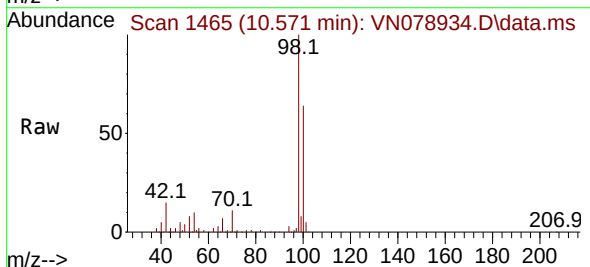
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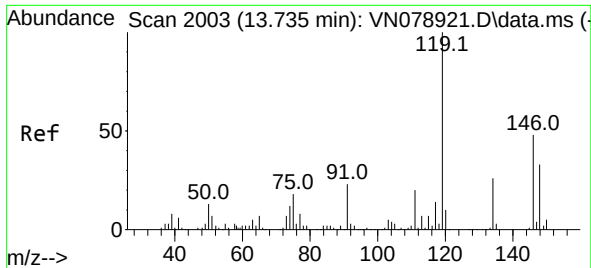
Tgt Ion: 91 Resp: 424117
Ion Ratio Lower Upper
91 100
92 57.4 44.7 67.1



#63
Toluene-d8
Concen: 30.534 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078934.D
Acq: 17 Aug 2023 18:42

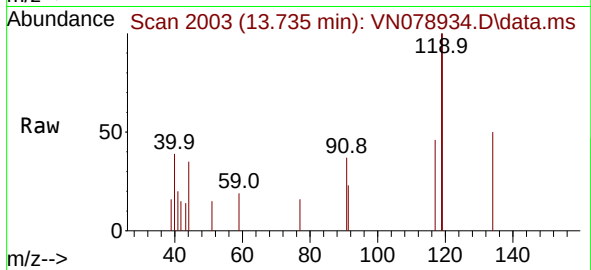
Tgt Ion: 98 Resp: 252849
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7





#82
 p-Isopropyltoluene
 Concen: 0.427 ug/l
 RT: 13.735 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078934.D
 Acq: 17 Aug 2023 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUN)DL



Tgt Ion:119	Resp:	2780
Ion	Ratio	Lower Upper
119	100	
134	23.0	0.0 52.4
91	18.4	0.0 47.4

