

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078931.D
 Acq On : 17 Aug 2023 17:29
 Operator : JC\MD
 Sample : 04027-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Aug 18 05:33:39 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)

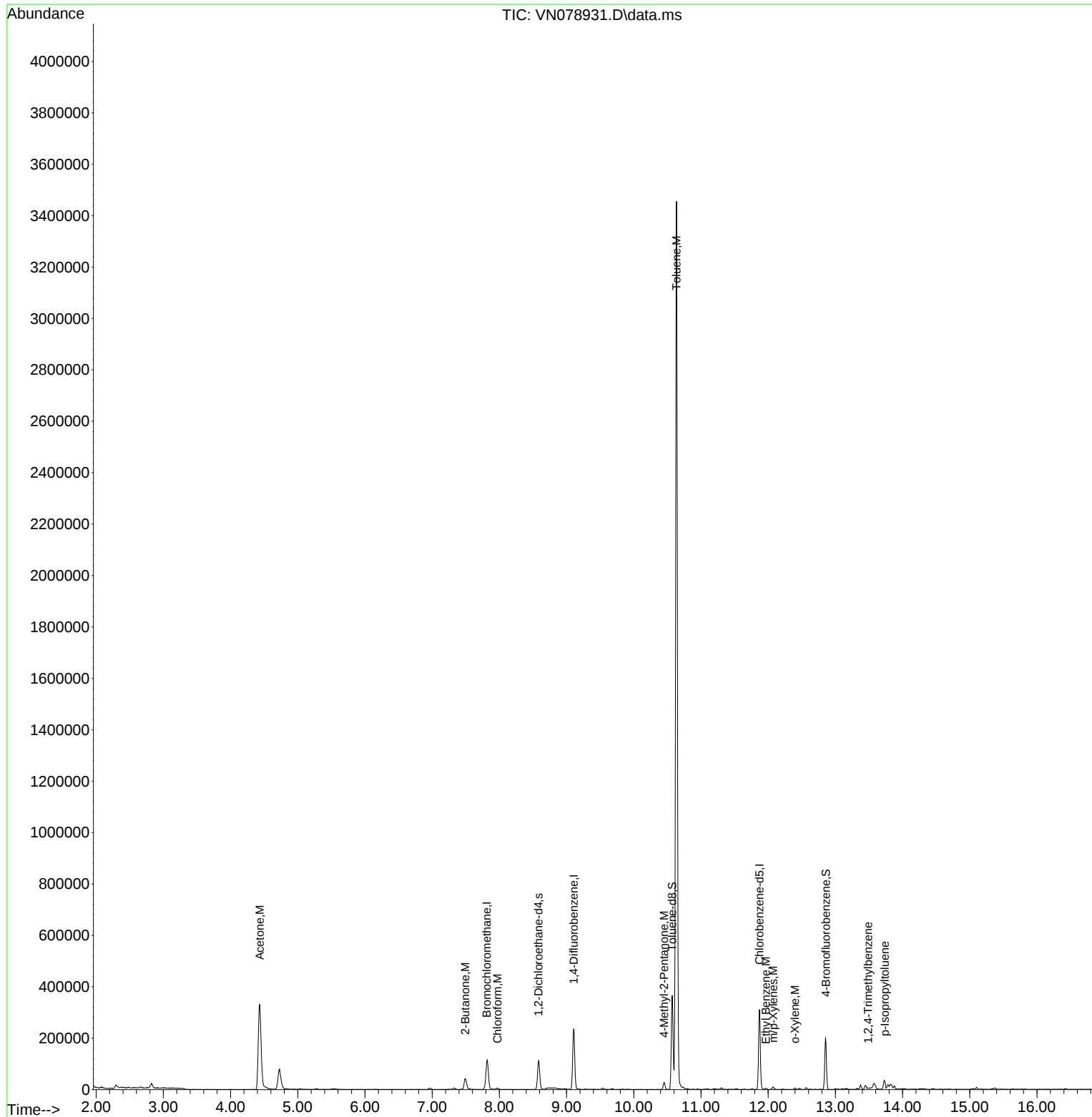
Internal Standards						
1) Bromochloromethane	7.812	128	37802	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	199957	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	175403	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	89586	29.252	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.500%
60) 4-Bromofluorobenzene	12.859	95	65969	25.783	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.933%
63) Toluene-d8	10.571	98	244034	29.792	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.300%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	182957	483.427	ug/l	91
25) Chloroform	7.971	83	4294	0.962	ug/l #	81
30) 2-Butanone	7.494	43	67863	38.110	ug/l #	94
58) 4-Methyl-2-Pentanone	10.453	43	20226	5.812	ug/l	96
62) Toluene	10.635	91	2536324	264.859	ug/l	98
66) Ethyl Benzene	11.965	91	3208	0.320	ug/l #	73
67) m/p-Xylenes	12.076	106	2959	0.792	ug/l	97
68) o-Xylene	12.400	106	1228	0.333	ug/l	84
80) 1,2,4-Trimethylbenzene	13.488	105	4258	0.612	ug/l	79
82) p-Isopropyltoluene	13.735	119	14496	2.251	ug/l	90

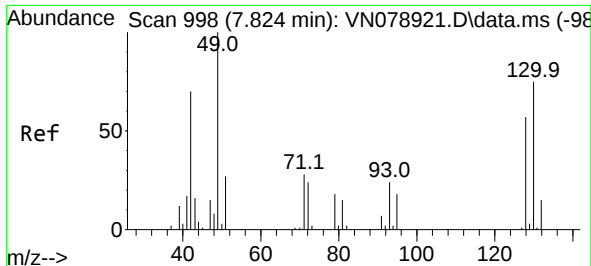
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002-35TH-AVE(JUN)

Quant Time: Aug 18 05:33:39 2023
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration

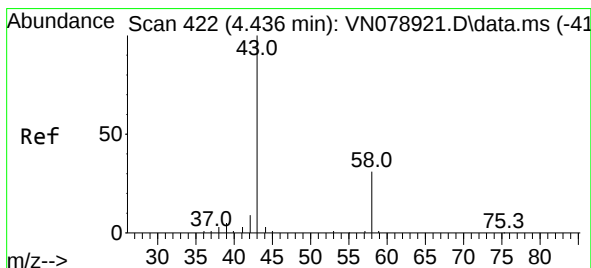
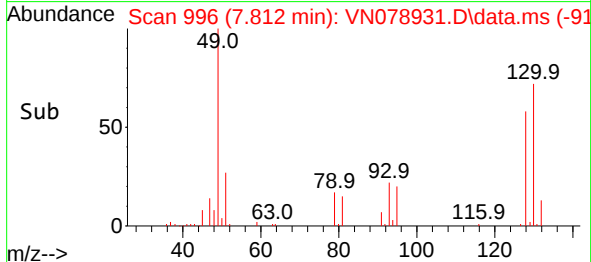
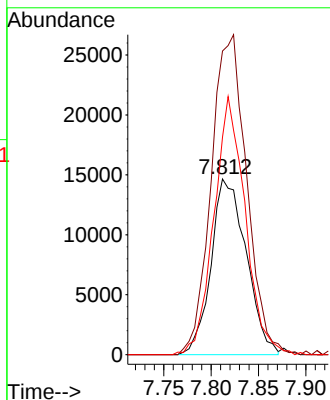
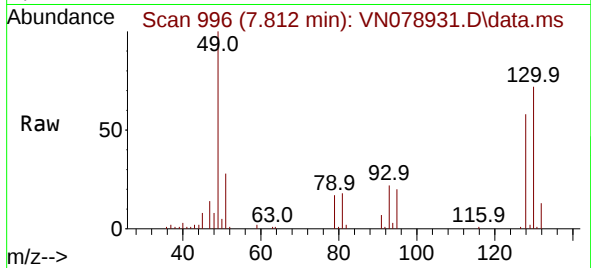




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

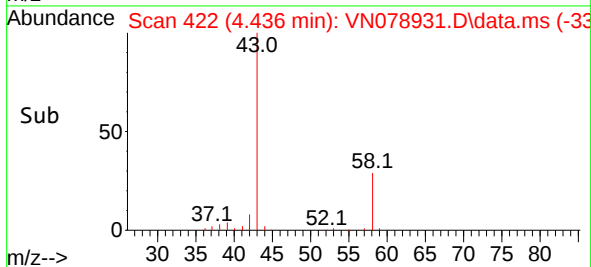
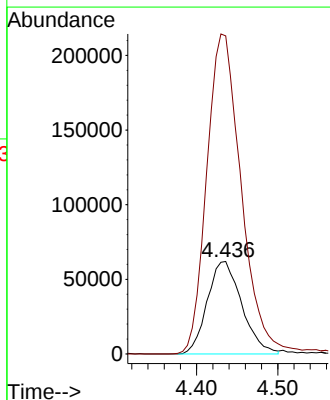
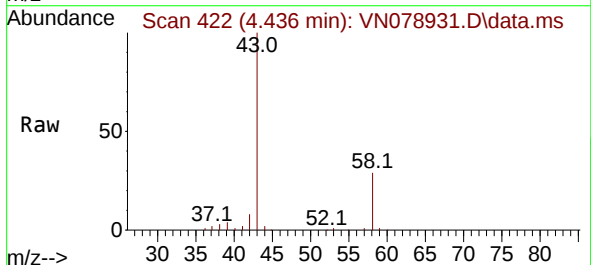
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUN)

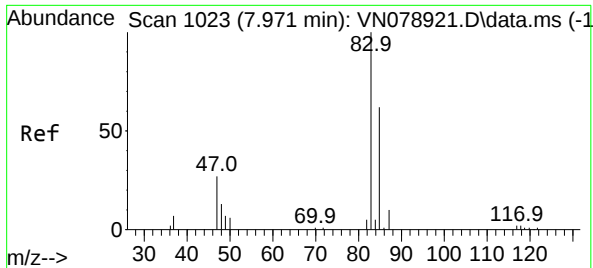
Tgt Ion:128 Resp: 37802
Ion Ratio Lower Upper
128 100
49 184.0 0.0 481.8
130 131.3 0.0 320.5



#15
Acetone
Concen: 483.427 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

Tgt Ion: 58 Resp: 182957
Ion Ratio Lower Upper
58 100
43 343.4 260.6 390.8

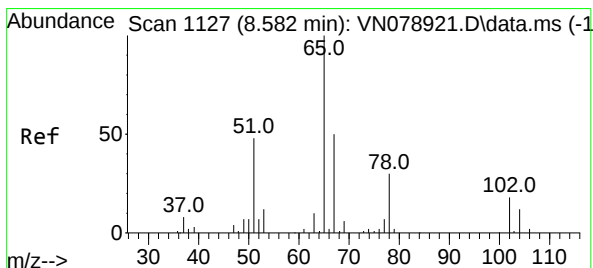
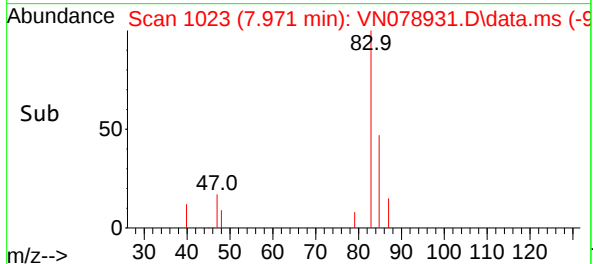
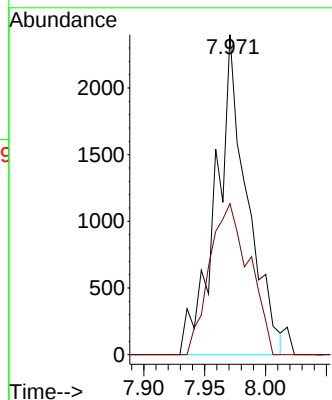
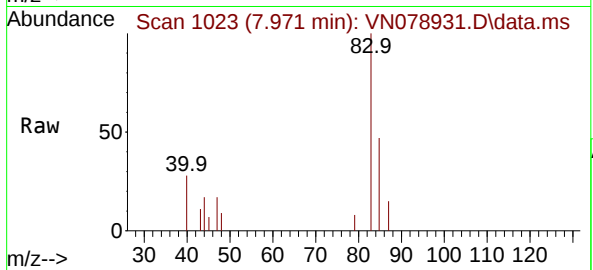




#25
Chloroform
Concen: 0.962 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

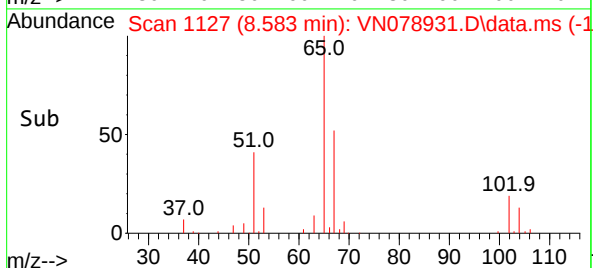
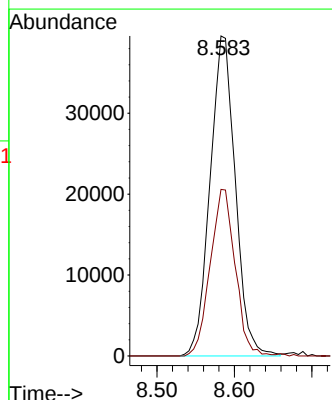
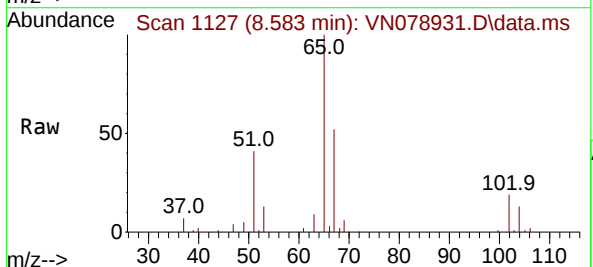
Instrument :
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ClientSampleId :
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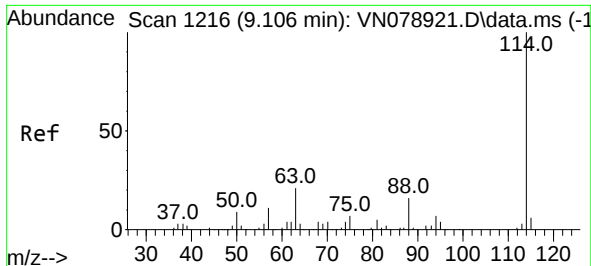
Tgt Ion: 83 Resp: 4294
Ion Ratio Lower Upper
83 100
85 47.2 49.6 74.4#



#27
1,2-Dichloroethane-d4
Concen: 29.252 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

Tgt Ion: 65 Resp: 89586
Ion Ratio Lower Upper
65 100
67 51.1 40.7 61.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN078931.D

Acq: 17 Aug 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUN)

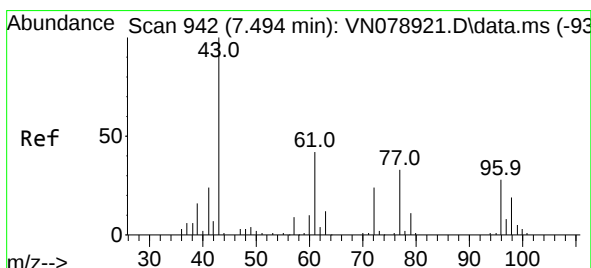
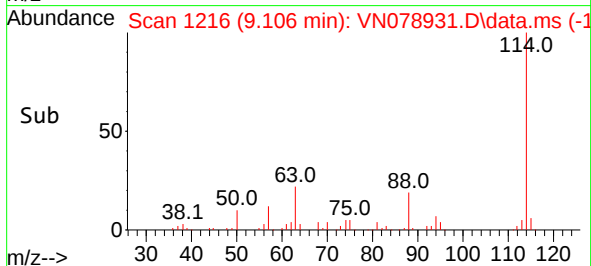
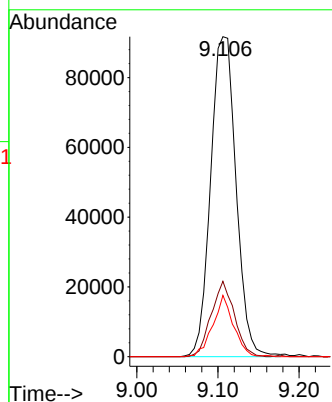
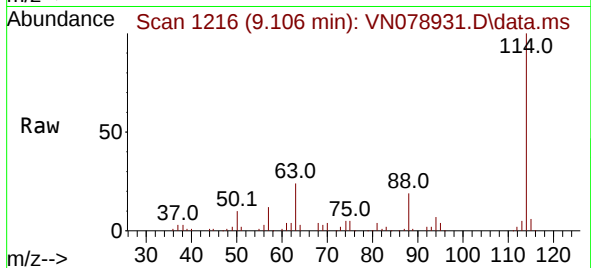
Tgt Ion:114 Resp: 199957

Ion Ratio Lower Upper

114 100

63 21.4 17.4 26.2

88 15.6 12.0 18.0



#30

2-Butanone

Concen: 38.110 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078931.D

Acq: 17 Aug 2023 17:29

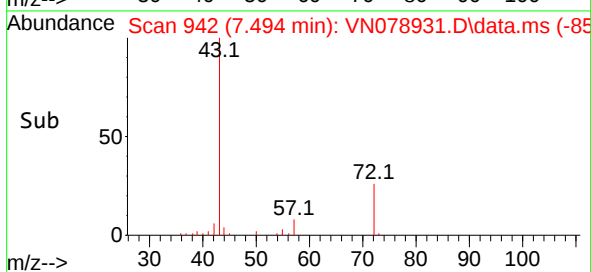
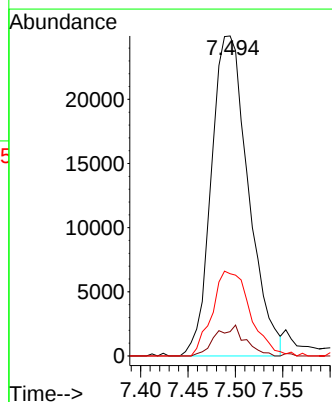
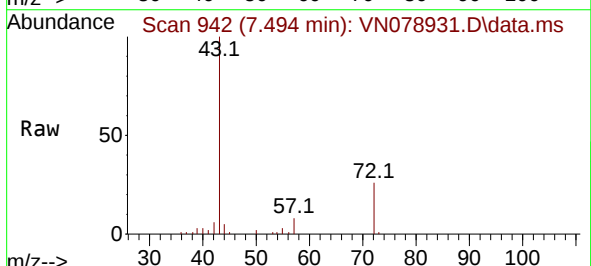
Tgt Ion: 43 Resp: 67863

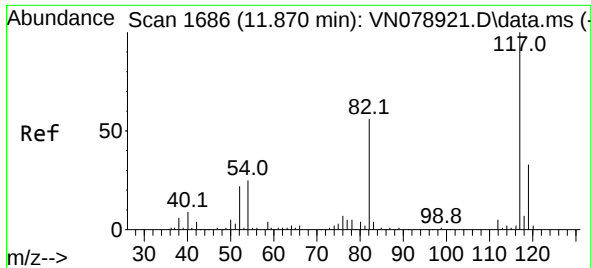
Ion Ratio Lower Upper

43 100

57 4.4 6.2 9.4#

72 26.9 19.4 29.2

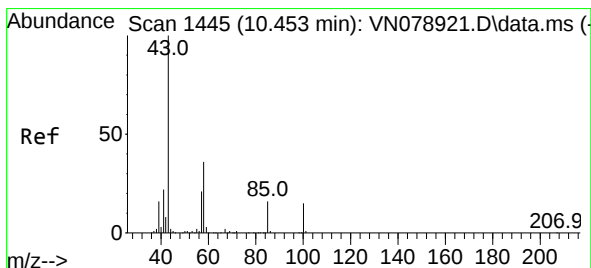
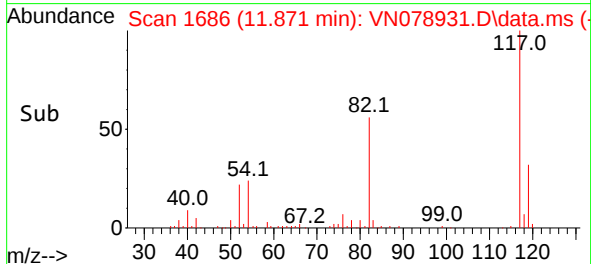
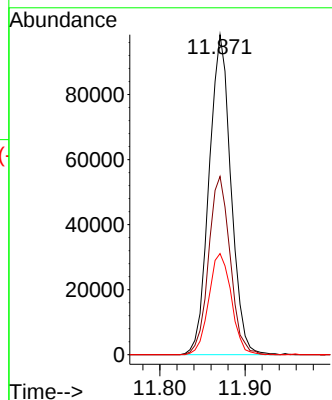
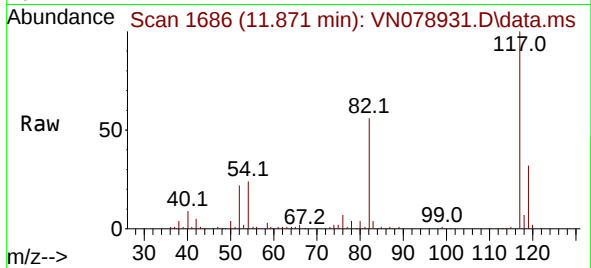




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

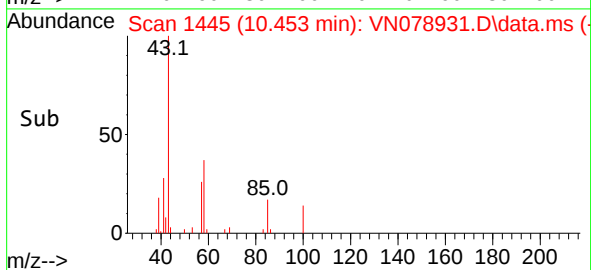
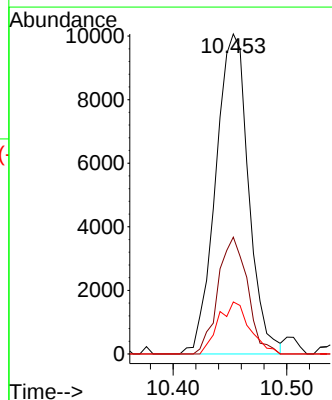
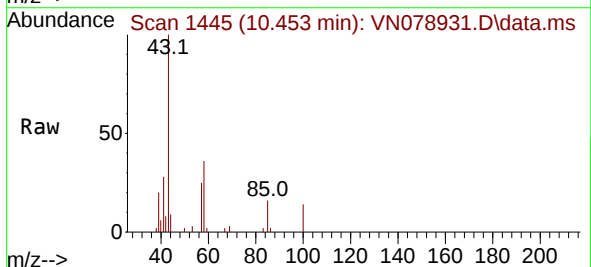
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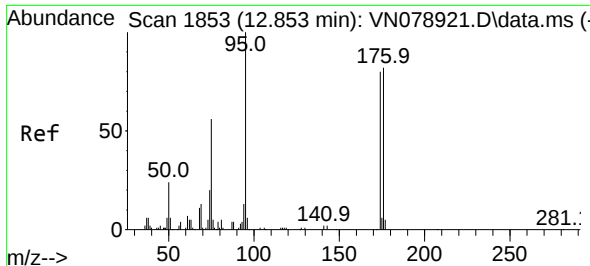
Tgt Ion:117 Resp: 175403
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.6 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 5.812 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

Tgt Ion: 43 Resp: 20226
Ion Ratio Lower Upper
43 100
58 32.8 28.8 43.2
85 15.5 12.7 19.1

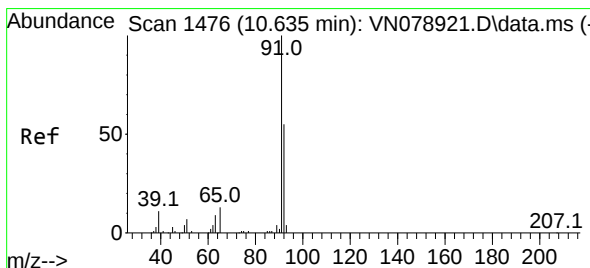
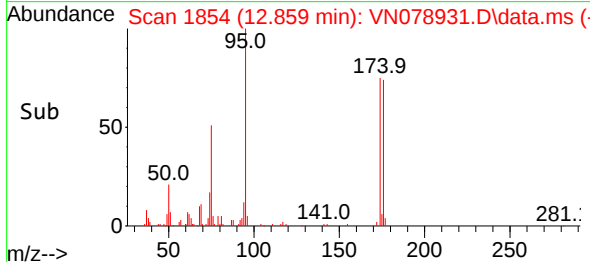
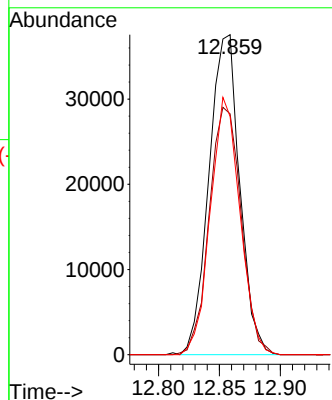
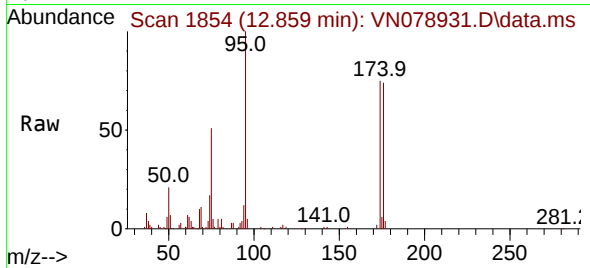




#60
4-Bromofluorobenzene
Concen: 25.783 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

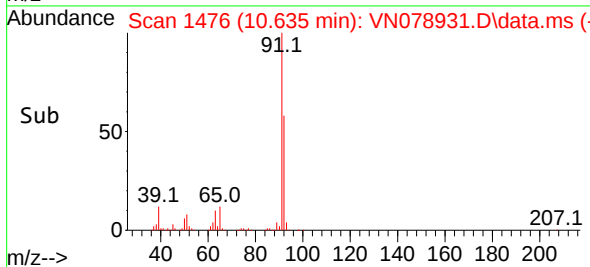
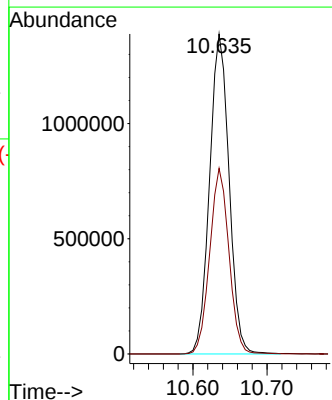
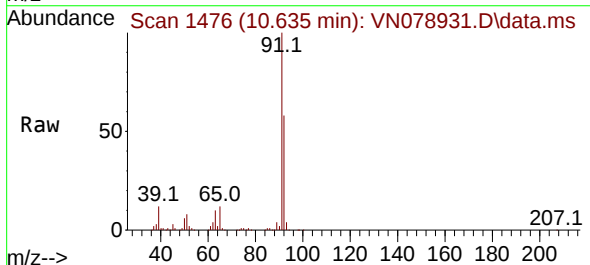
Instrument :
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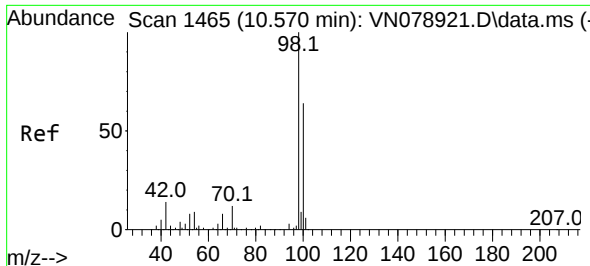
Tgt Ion: 95 Resp: 65969
Ion Ratio Lower Upper
95 100
174 80.3 64.8 97.2
176 77.6 63.0 94.6



#62
Toluene
Concen: 264.859 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

Tgt Ion: 91 Resp: 2536324
Ion Ratio Lower Upper
91 100
92 57.3 44.7 67.1

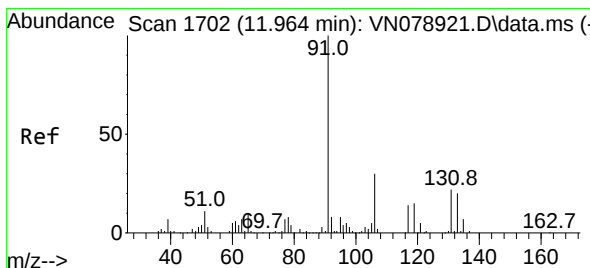
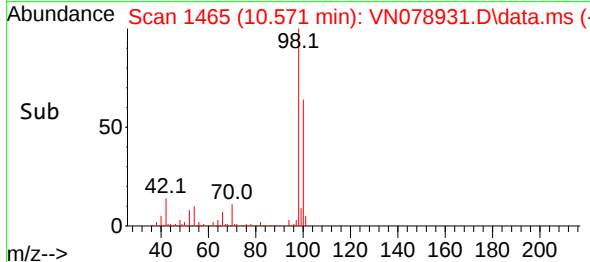
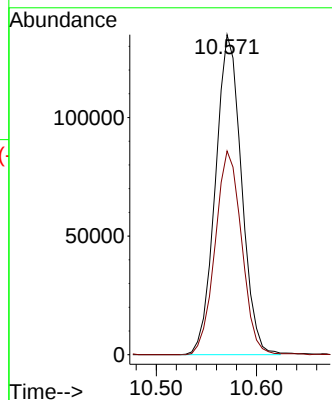
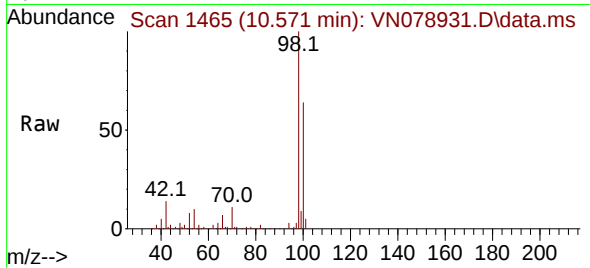




#63
Toluene-d8
Concen: 29.792 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

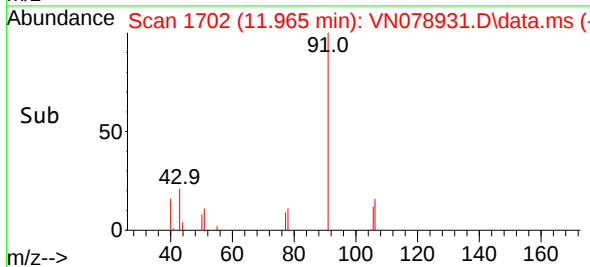
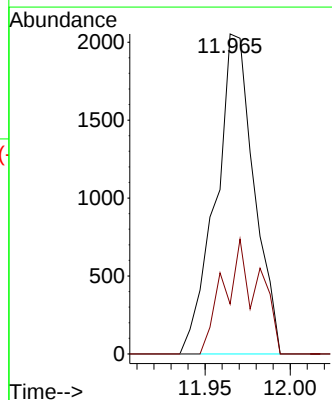
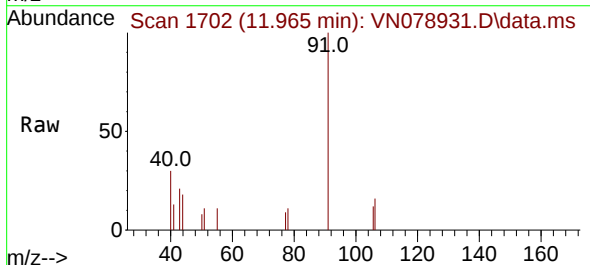
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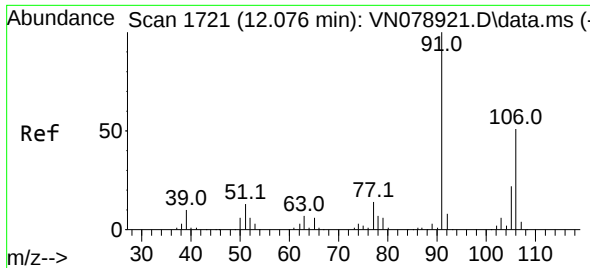
Tgt Ion: 98 Resp: 244034
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



#66
Ethyl Benzene
Concen: 0.320 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

Tgt Ion: 91 Resp: 3208
Ion Ratio Lower Upper
91 100
106 15.6 24.1 36.1#

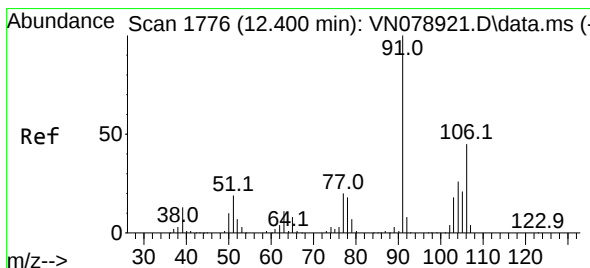
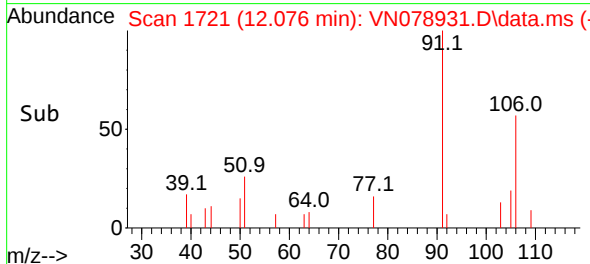
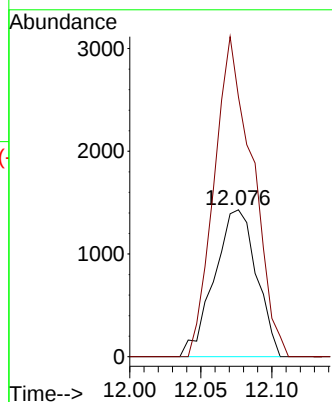
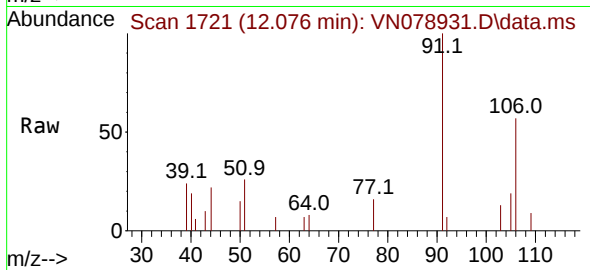




#67
m/p-Xylenes
Concen: 0.792 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

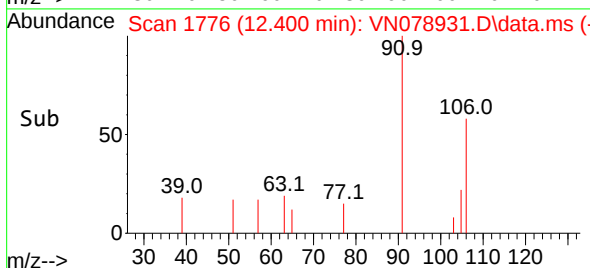
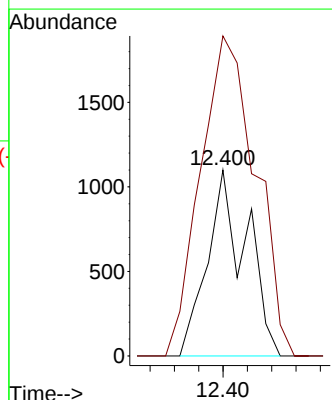
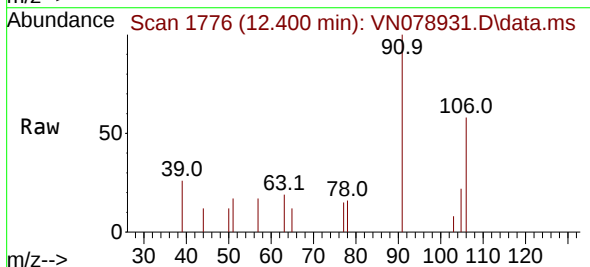
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUN)

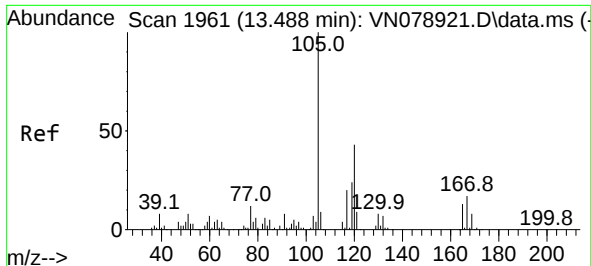
Tgt Ion:106 Resp: 2959
Ion Ratio Lower Upper
106 100
91 197.4 161.2 241.8



#68
o-Xylene
Concen: 0.333 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN078931.D
Acq: 17 Aug 2023 17:29

Tgt Ion:106 Resp: 1228
Ion Ratio Lower Upper
106 100
91 242.8 109.0 327.0

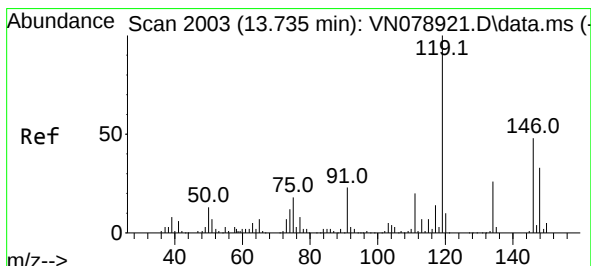
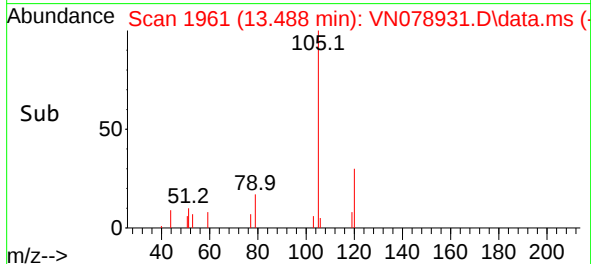
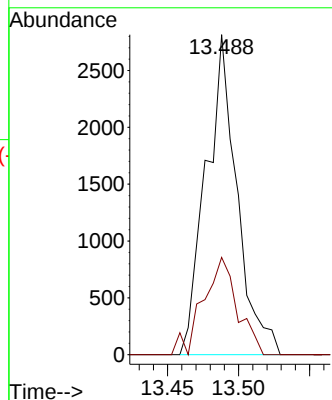
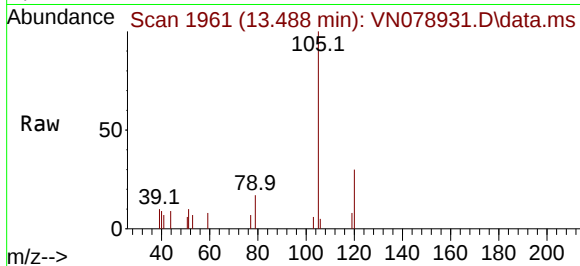




#80
 1,2,4-Trimethylbenzene
 Concen: 0.612 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN078931.D
 Acq: 17 Aug 2023 17:29

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

Tgt Ion:105 Resp: 4258
 Ion Ratio Lower Upper
 105 100
 120 32.1 0.0 91.6



#82
 p-Isopropyltoluene
 Concen: 2.251 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078931.D
 Acq: 17 Aug 2023 17:29

Tgt Ion:119 Resp: 14496
 Ion Ratio Lower Upper
 119 100
 134 19.3 0.0 52.4
 91 26.6 0.0 47.4

