

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079213.D
 Acq On : 11 Sep 2023 12:40
 Operator : JC\MD
 Sample : 04376-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 12 02:46:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

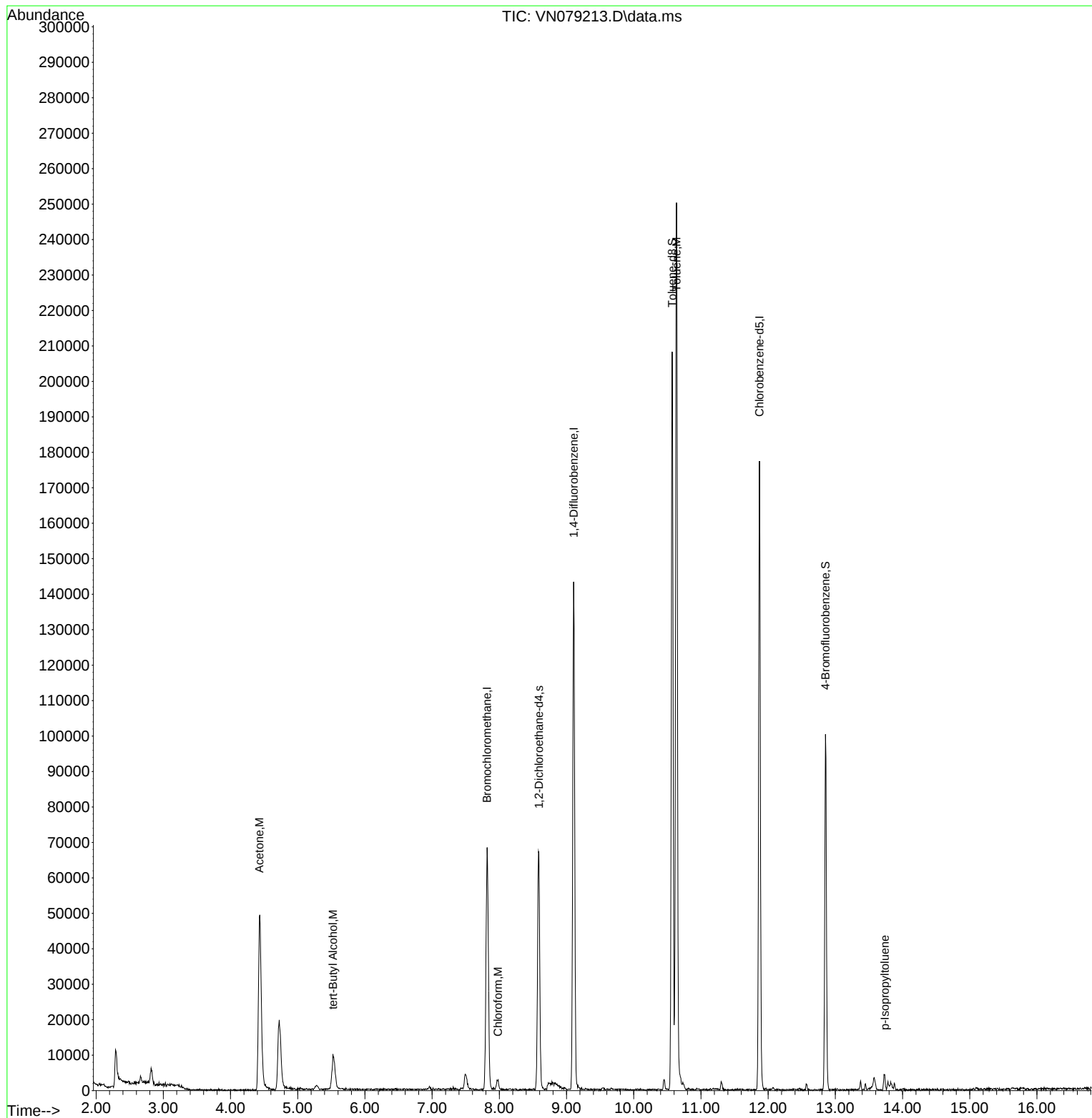
Internal Standards						
1) Bromochloromethane	7.818	128	24608	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	124149	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	106577	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	56400	30.506	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.700%
60) 4-Bromofluorobenzene	12.853	95	35822	22.811	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.033%
63) Toluene-d8	10.571	98	147600	29.634	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.767%
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	30425	197.088	ug/l	95
23) tert-Butyl Alcohol	5.524	59	16824	73.902	ug/l #	100
25) Chloroform	7.977	83	2946	1.004	ug/l	87
62) Toluene	10.635	91	201343	32.446	ug/l	99
82) p-Isopropyltoluene	13.735	119	2587	0.612	ug/l	95

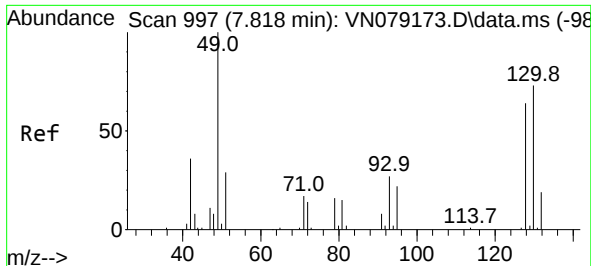
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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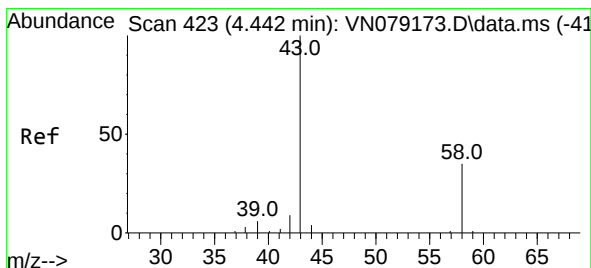
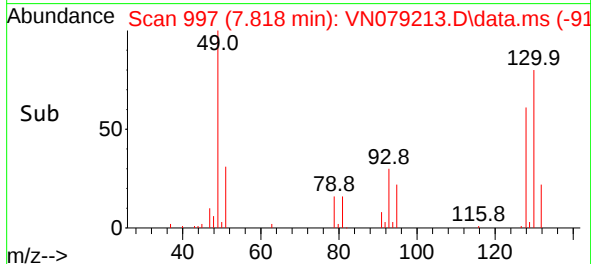
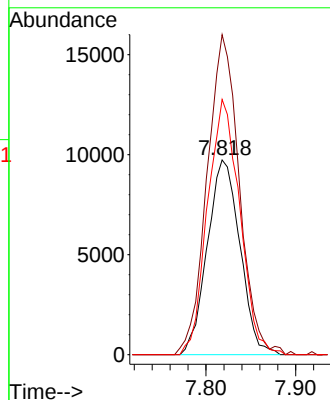
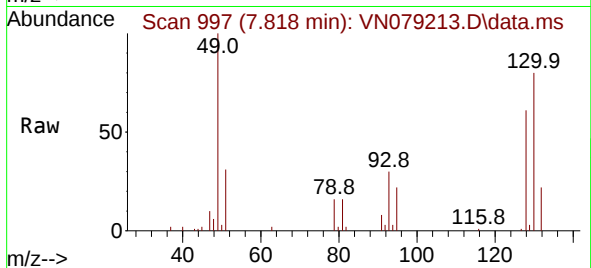




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079213.D
Acq: 11 Sep 2023 12:40

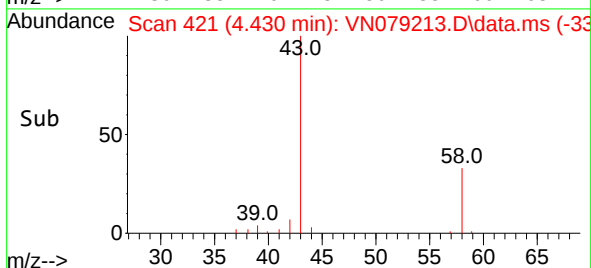
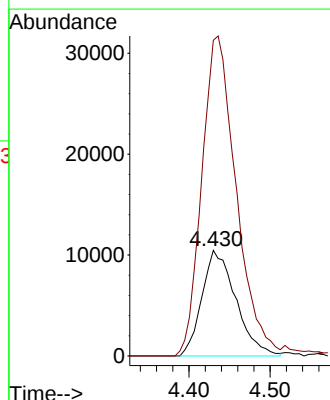
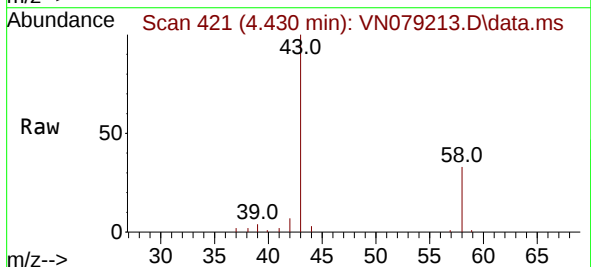
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(SEP)

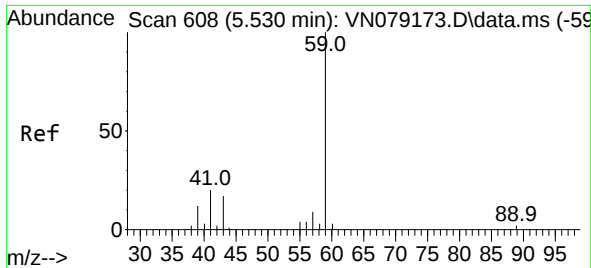
Tgt Ion:128 Resp: 24608
Ion Ratio Lower Upper
128 100
49 160.7 0.0 414.3
130 129.3 0.0 311.0



#15
Acetone
Concen: 197.088 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.012 min
Lab File: VN079213.D
Acq: 11 Sep 2023 12:40

Tgt Ion: 58 Resp: 30425
Ion Ratio Lower Upper
58 100
43 294.2 228.3 342.5

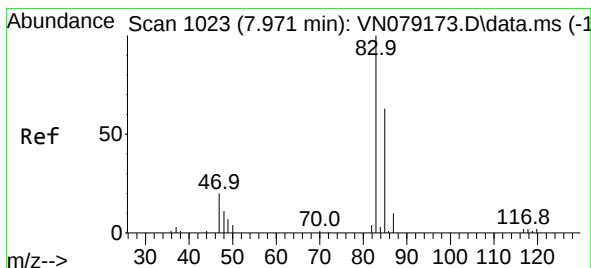
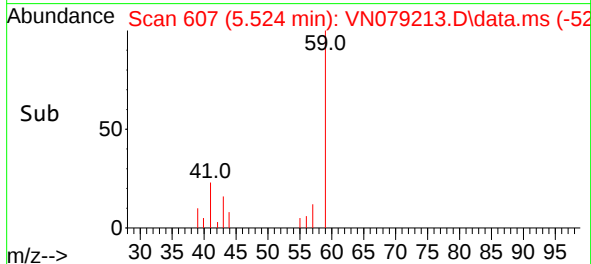
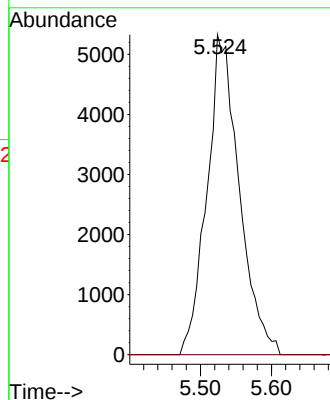
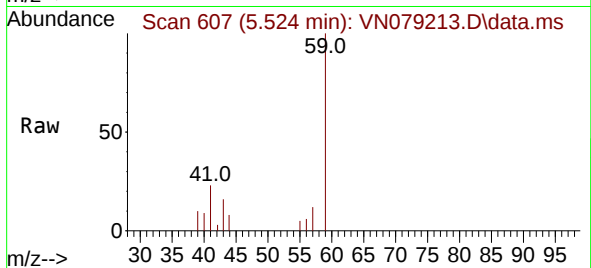




#23
tert-Butyl Alcohol
Concen: 73.902 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN079213.D
Acq: 11 Sep 2023 12:40

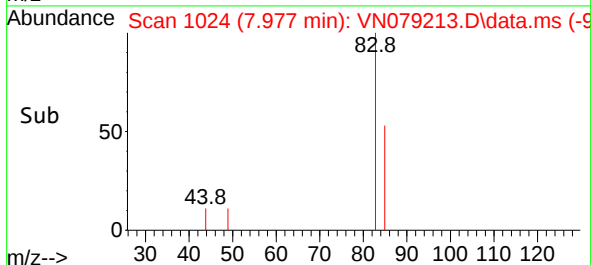
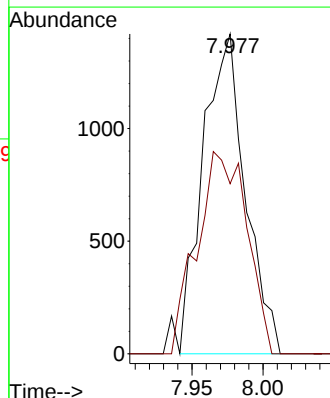
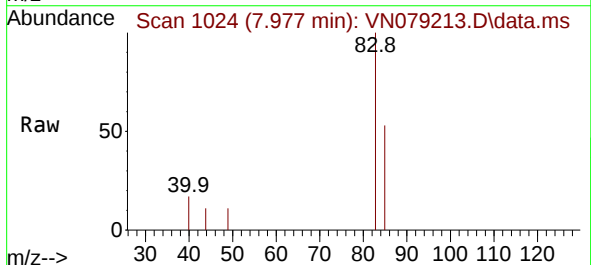
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(SEP)

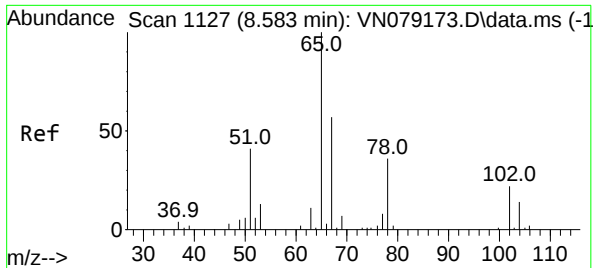
Tgt Ion: 59 Resp: 16824
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.004 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN079213.D
Acq: 11 Sep 2023 12:40

Tgt Ion: 83 Resp: 2946
Ion Ratio Lower Upper
83 100
85 53.2 50.6 76.0





#27

1,2-Dichloroethane-d4

Concen: 30.506 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN079213.D

Acq: 11 Sep 2023 12:40

Instrument :

MSVOA_N

ClientSampleId :

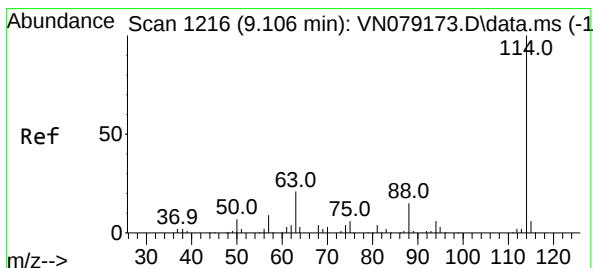
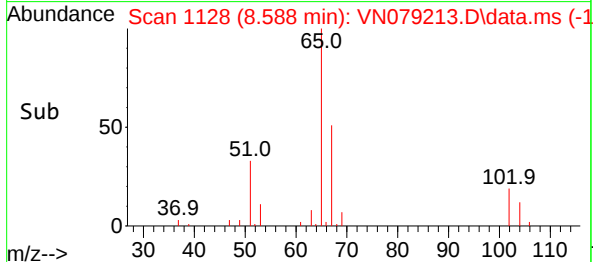
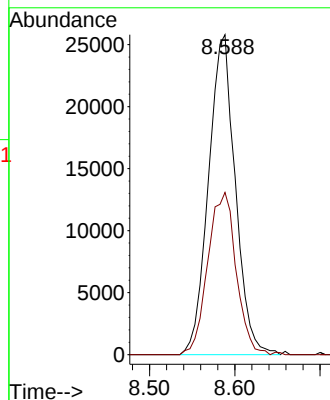
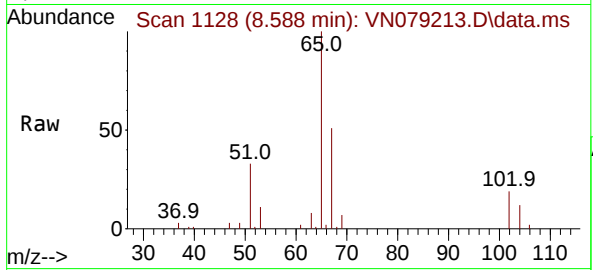
002-35TH-AVE(SEP)

Tgt Ion: 65 Resp: 56400

Ion Ratio Lower Upper

65 100

67 53.2 44.4 66.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079213.D

Acq: 11 Sep 2023 12:40

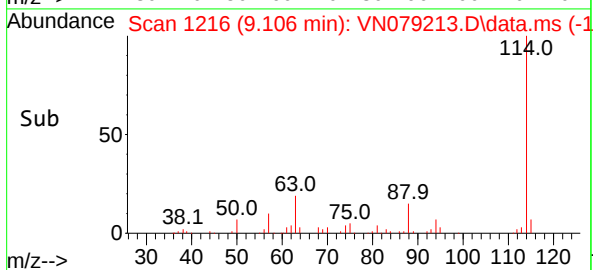
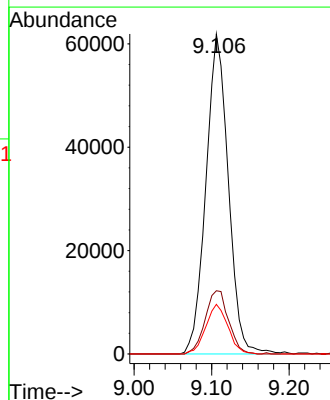
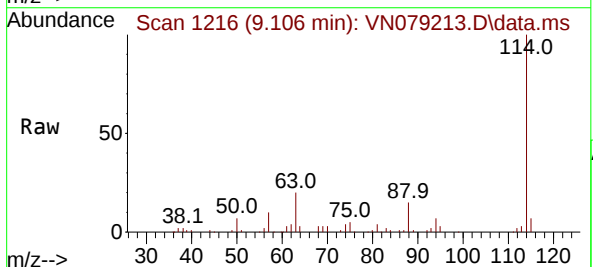
Tgt Ion: 114 Resp: 124149

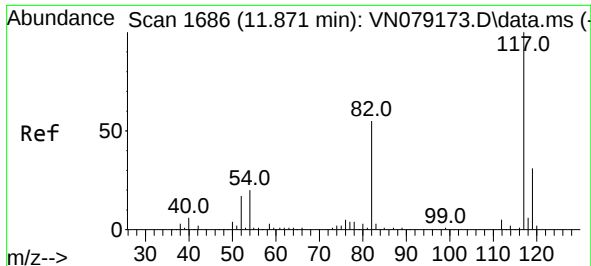
Ion Ratio Lower Upper

114 100

63 20.6 17.0 25.4

88 15.3 12.8 19.2

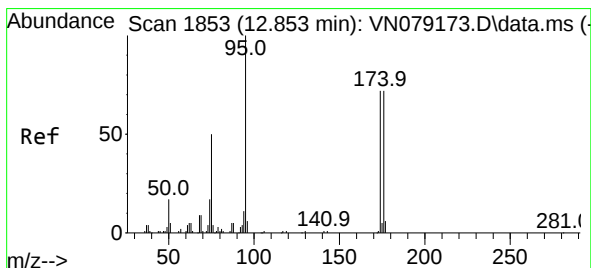
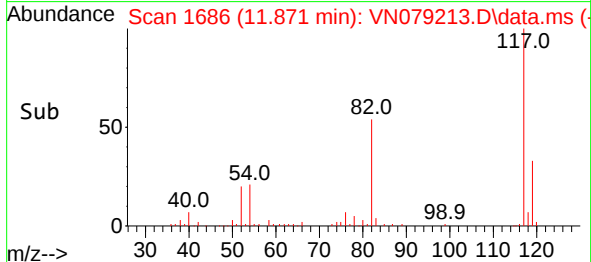
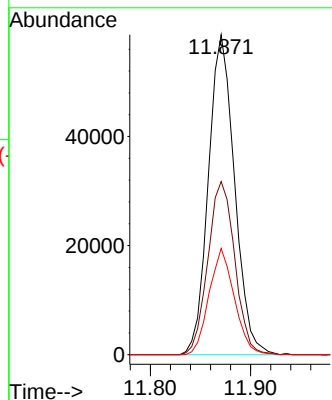
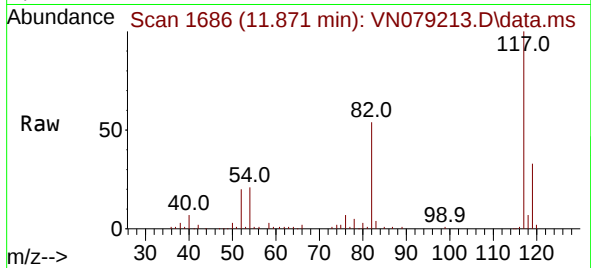




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079213.D
Acq: 11 Sep 2023 12:40

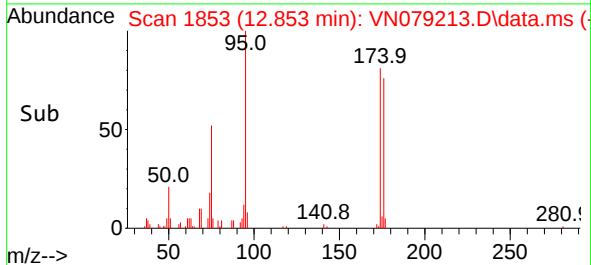
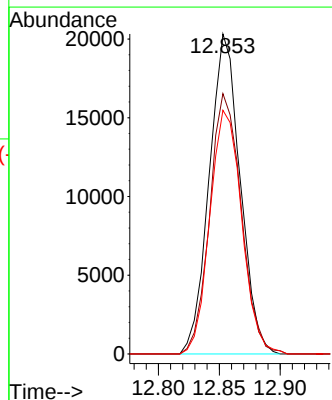
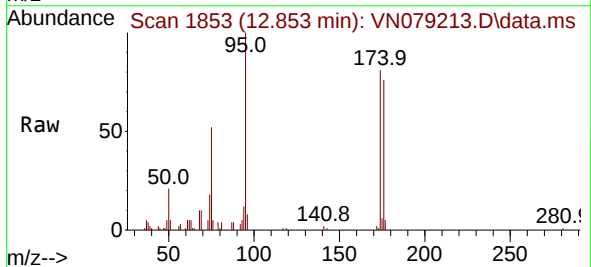
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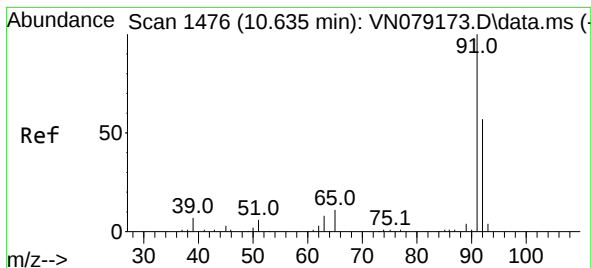
Tgt Ion:117 Resp: 106577
Ion Ratio Lower Upper
117 100
82 55.6 44.7 67.1
119 32.1 24.9 37.3



#60
4-Bromofluorobenzene
Concen: 22.811 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079213.D
Acq: 11 Sep 2023 12:40

Tgt Ion: 95 Resp: 35822
Ion Ratio Lower Upper
95 100
174 82.9 59.5 89.3
176 78.5 59.1 88.7





#62

Toluene

Concen: 32.446 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079213.D

Acq: 11 Sep 2023 12:40

Instrument :

MSVOA_N

ClientSampleId :

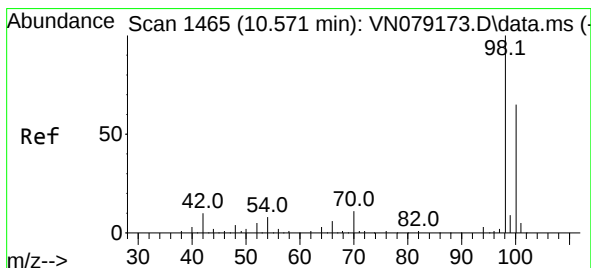
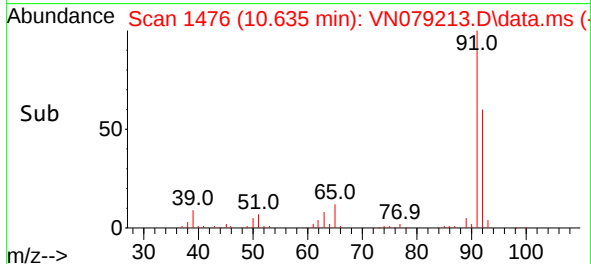
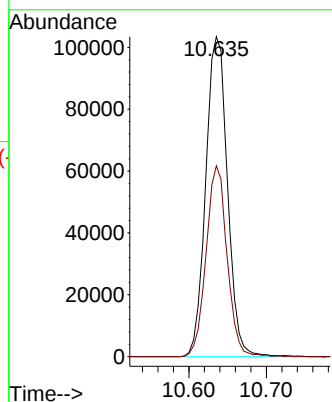
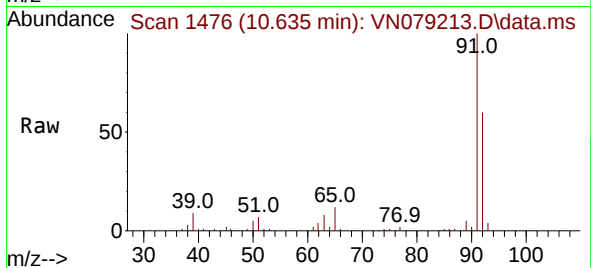
002-35TH-AVE(SEP)

Tgt Ion: 91 Resp: 201343

Ion Ratio Lower Upper

91 100

92 57.6 45.7 68.5



#63

Toluene-d8

Concen: 29.634 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079213.D

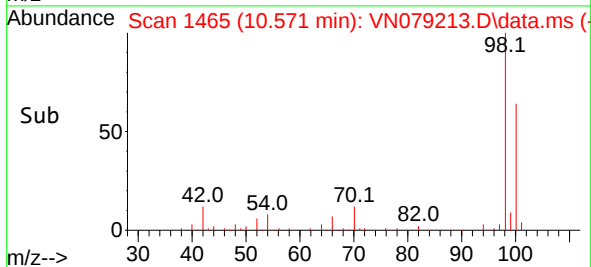
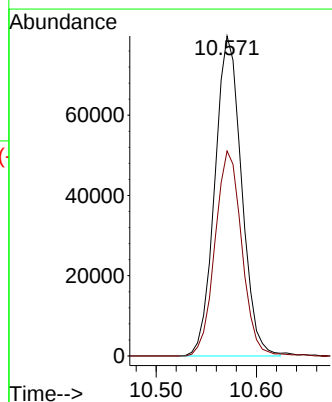
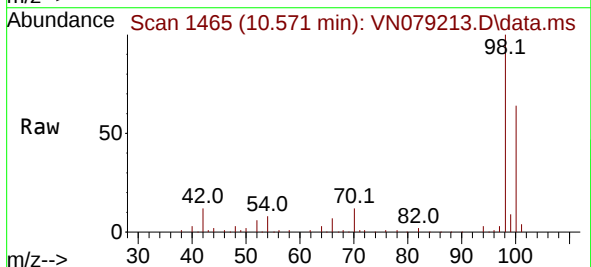
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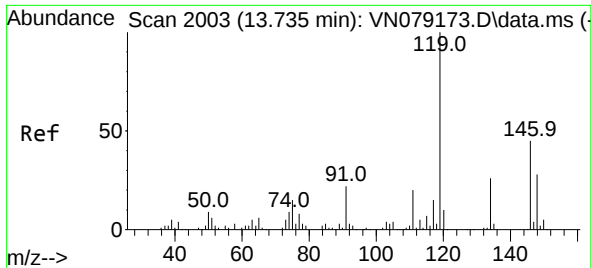
Tgt Ion: 98 Resp: 147600

Ion Ratio Lower Upper

98 100

100 64.1 52.5 78.7





#82
 p-Isopropyltoluene
 Concen: 0.612 ug/l
 RT: 13.735 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079213.D
 Acq: 11 Sep 2023 12:40

Instrument :
 MSVOA_N
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Tgt Ion:119	Resp:	2587
Ion	Ratio	Lower Upper
119	100	
134	22.3	0.0 53.8
91	24.8	0.0 48.0

