

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081616.D
 Acq On : 29 Mar 2024 15:29
 Operator : JC\MD
 Sample : P1921-05 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-20

Quant Time: Mar 30 00:30:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

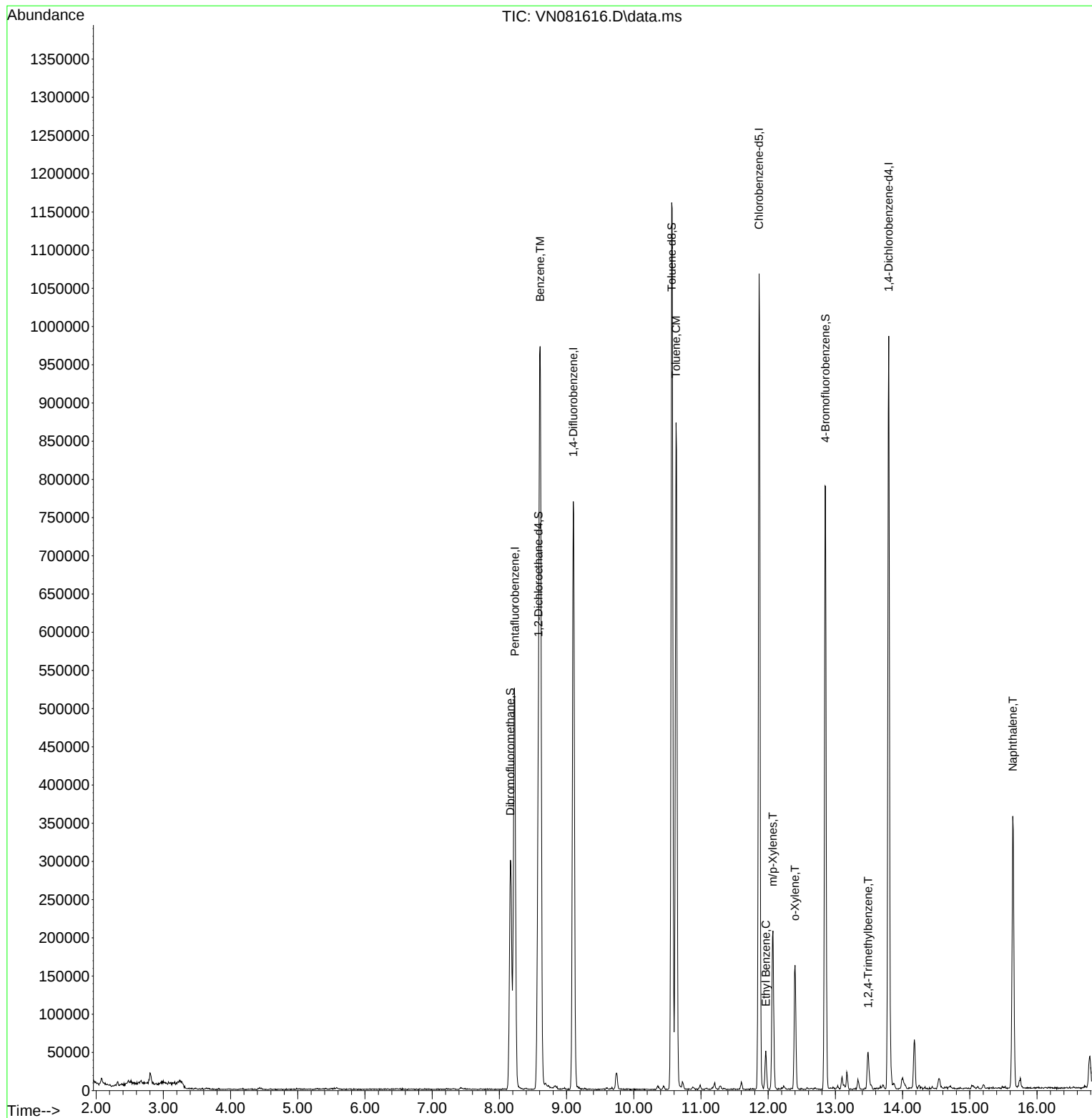
Internal Standards						
1) Pentafluorobenzene	8.230	168	371757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	695469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	632057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	260256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	257636	54.343	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.680%	
35) Dibromofluoromethane	8.165	113	219601	50.033	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.565	98	823870	51.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.853	95	271387	48.543	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 97.080%	
Target Compounds						
					Qvalue	
40) Benzene	8.606	78	984645	45.597	ug/l	97
52) Toluene	10.629	92	389732	28.395	ug/l	99
67) Ethyl Benzene	11.965	91	33931	1.307	ug/l	100
68) m/p-Xylenes	12.070	106	68480	7.038	ug/l	91
69) o-Xylene	12.400	106	45232	4.735	ug/l	92
84) 1,2,4-Trimethylbenzene	13.488	105	30489	1.656	ug/l	98
95) Naphthalene	15.641	128	329035	18.122	ug/l	99

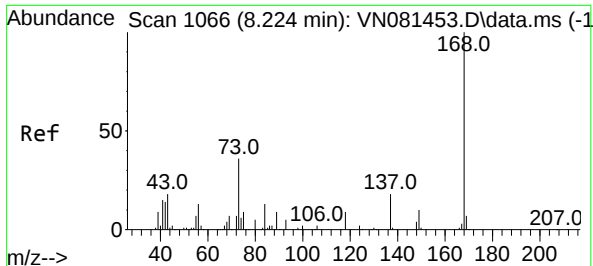
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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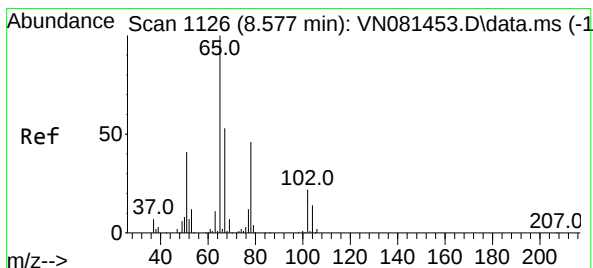
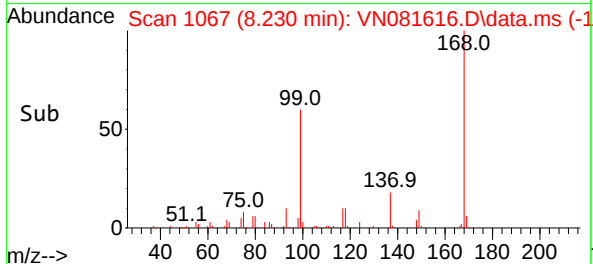
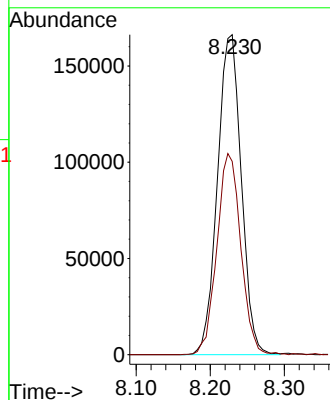
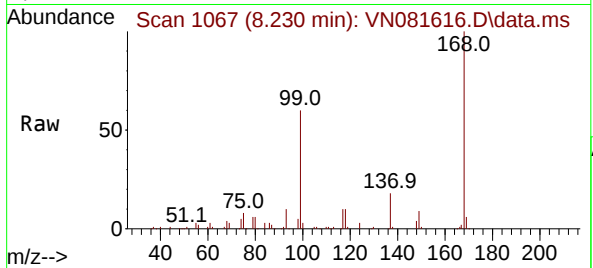




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

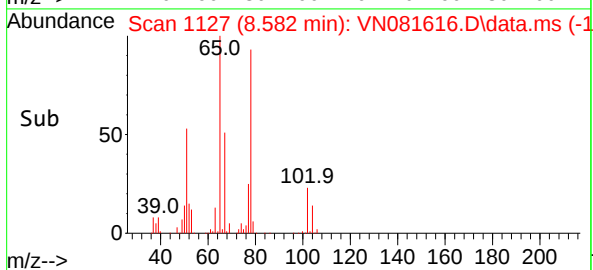
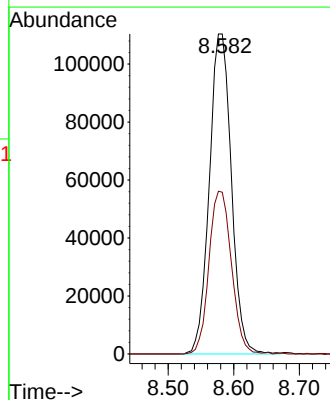
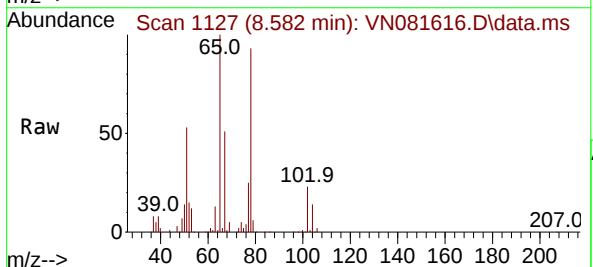
Instrument :
MSVOA_N
ClientSampleId :
S-20

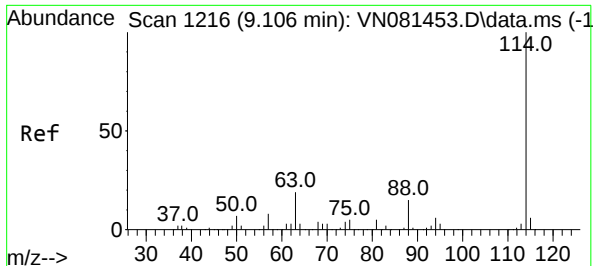
Tgt Ion:168 Resp: 371757
Ion Ratio Lower Upper
168 100
99 60.4 59.9 89.9



#33
1,2-Dichloroethane-d4
Concen: 54.343 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

Tgt Ion: 65 Resp: 257636
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081616.D

Acq: 29 Mar 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

S-20

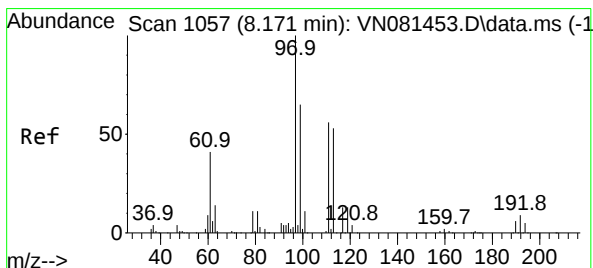
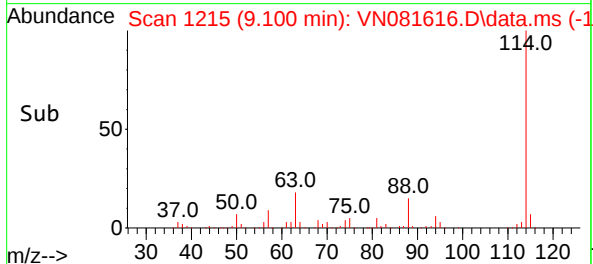
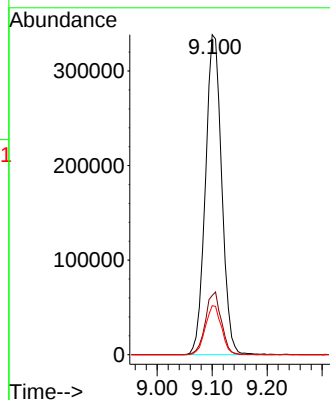
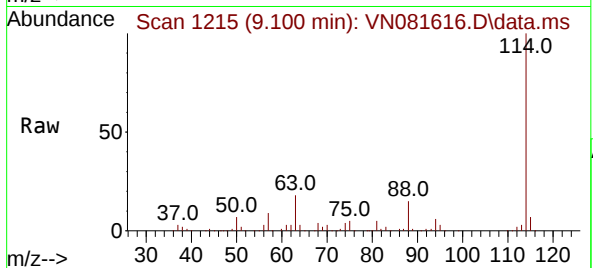
Tgt Ion:114 Resp: 695469

Ion Ratio Lower Upper

114 100

63 18.5 0.0 48.0

88 15.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.033 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081616.D

Acq: 29 Mar 2024 15:29

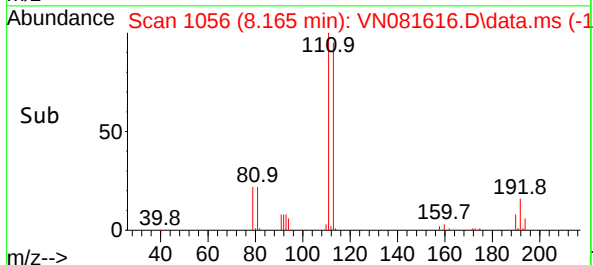
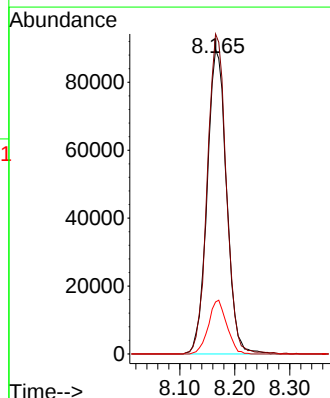
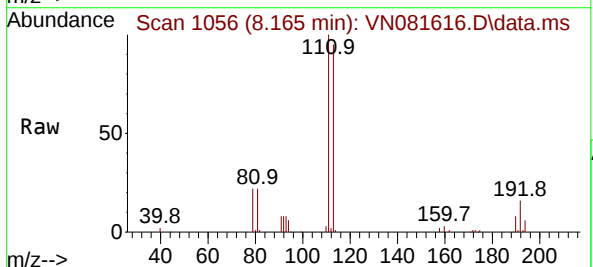
Tgt Ion:113 Resp: 219601

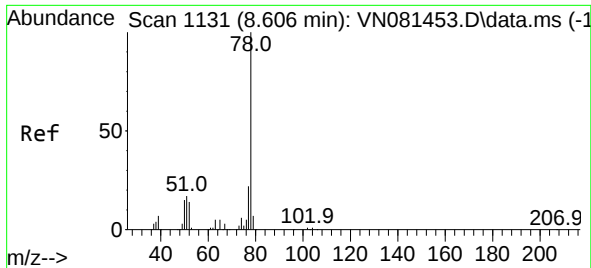
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 16.7 12.5 18.7

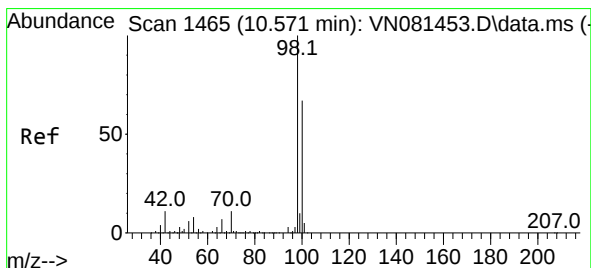
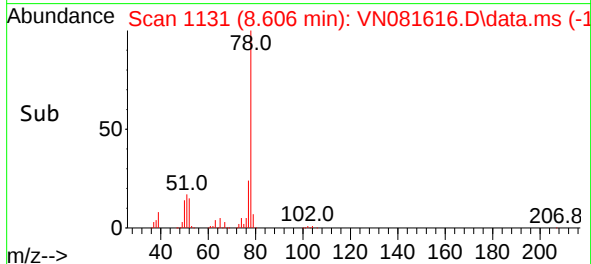
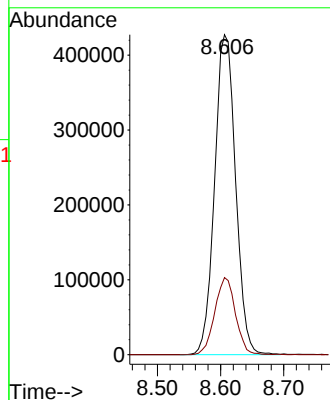
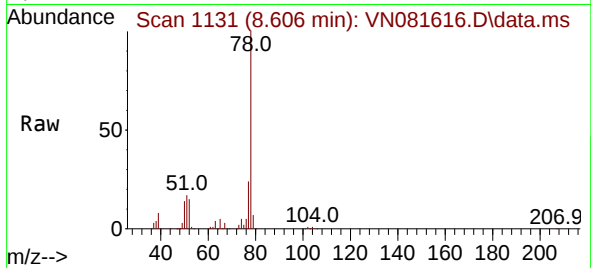




#40
Benzene
Concen: 45.597 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

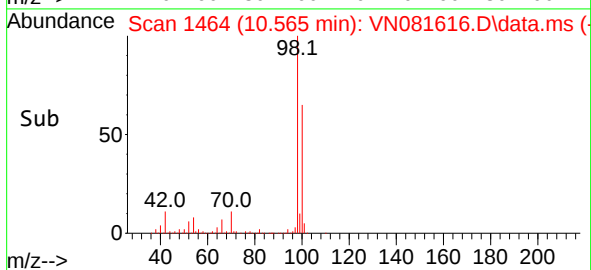
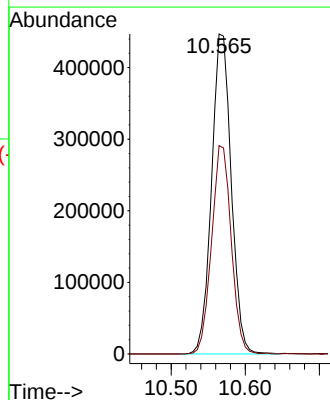
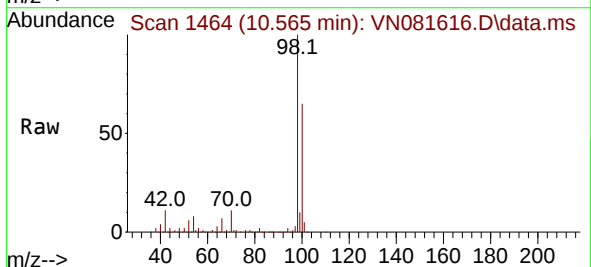
Instrument :
MSVOA_N
ClientSampleId :
S-20

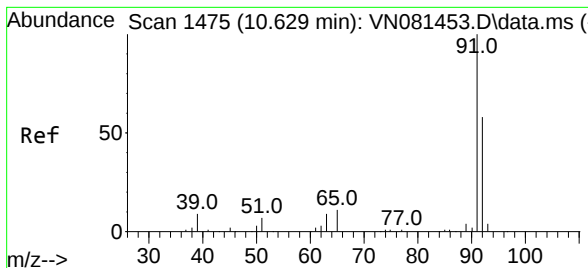
Tgt Ion: 78 Resp: 984645
Ion Ratio Lower Upper
78 100
77 24.1 20.4 30.6



#50
Toluene-d8
Concen: 51.926 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

Tgt Ion: 98 Resp: 823870
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0





#52

Toluene

Concen: 28.395 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081616.D

Acq: 29 Mar 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

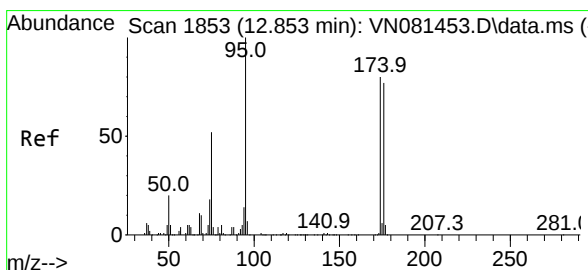
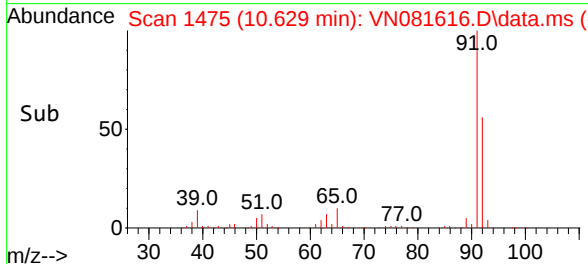
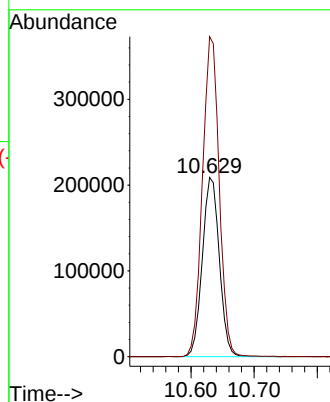
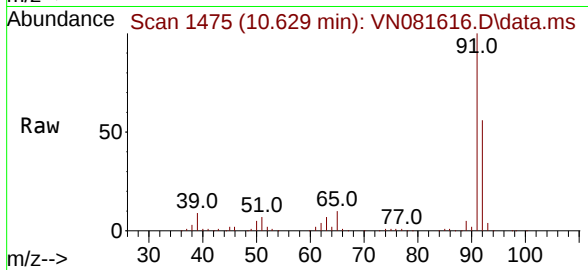
S-20

Tgt Ion: 92 Resp: 389732

Ion Ratio Lower Upper

92 100

91 176.3 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 48.543 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN081616.D

Acq: 29 Mar 2024 15:29

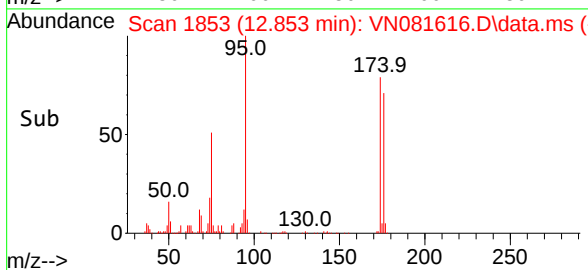
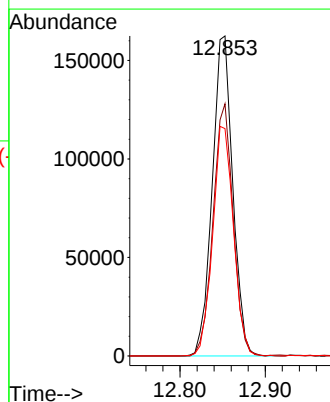
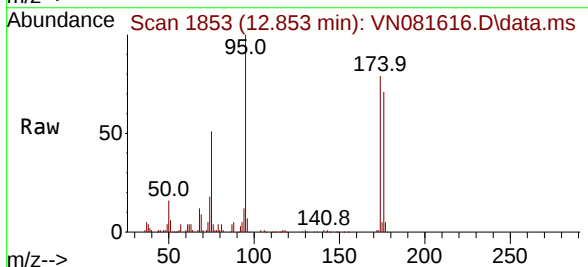
Tgt Ion: 95 Resp: 271387

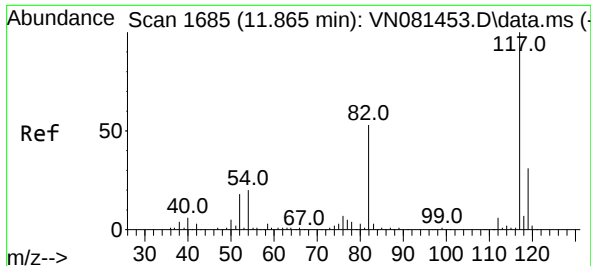
Ion Ratio Lower Upper

95 100

174 77.3 0.0 120.4

176 72.8 0.0 121.0

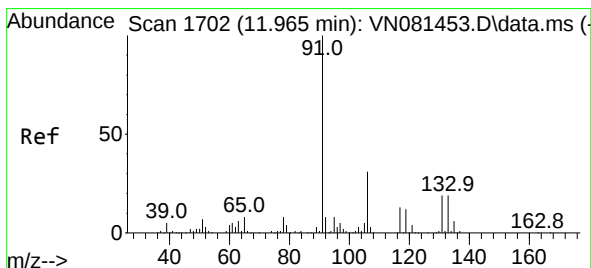
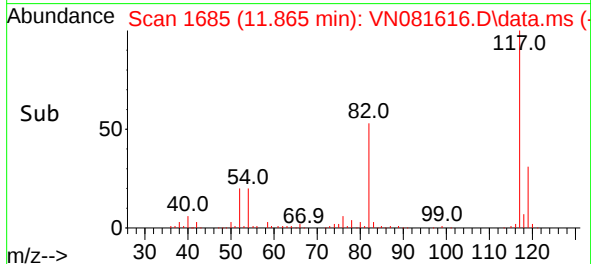
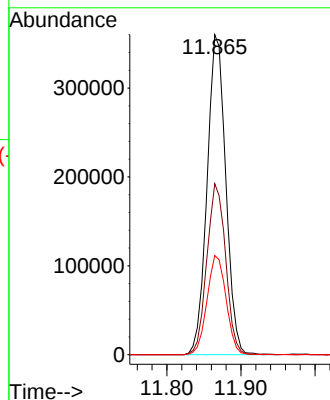
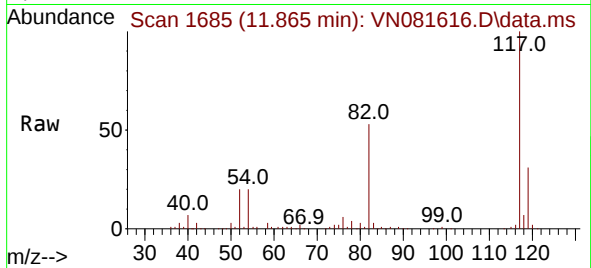




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

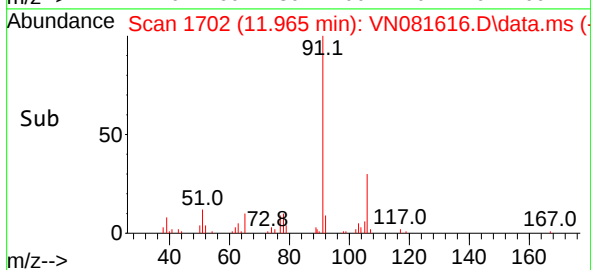
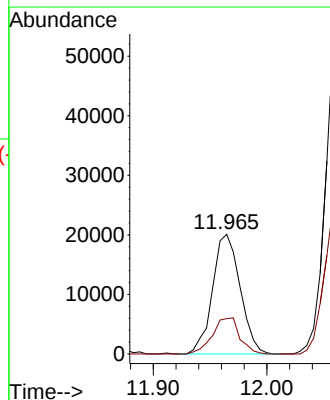
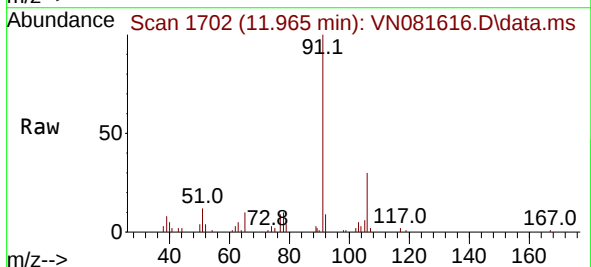
Instrument :
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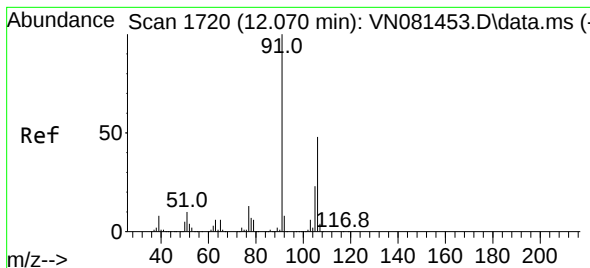
Tgt Ion:117 Resp: 632057
Ion Ratio Lower Upper
117 100
82 53.5 52.7 79.1
119 31.0 25.3 37.9



#67
Ethyl Benzene
Concen: 1.307 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

Tgt Ion: 91 Resp: 33931
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6

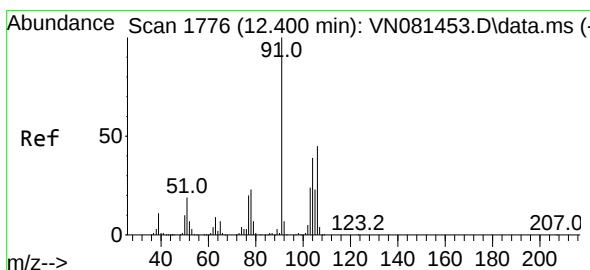
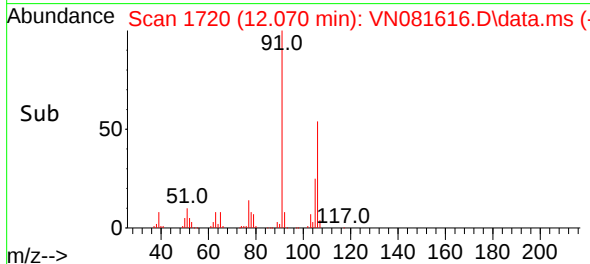
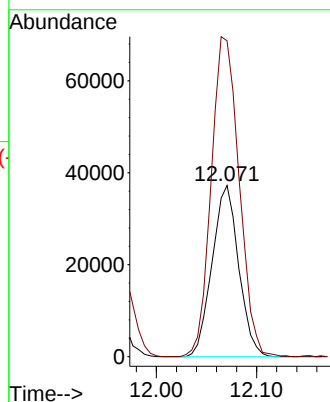
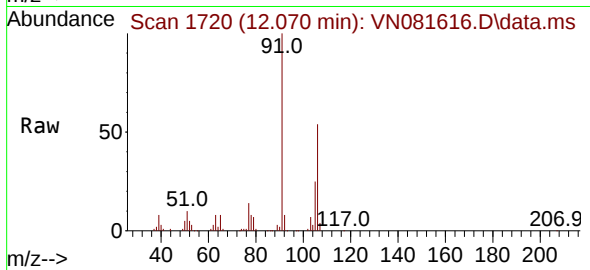




#68
m/p-Xylenes
Concen: 7.038 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

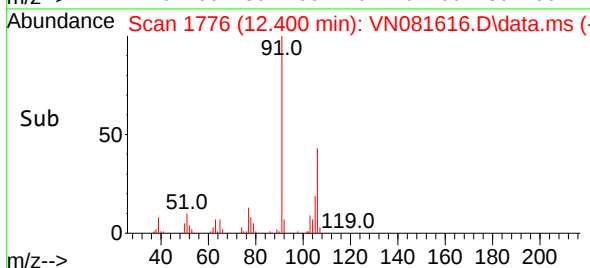
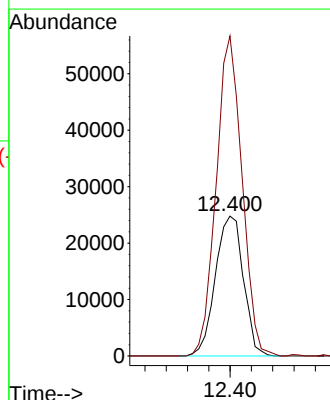
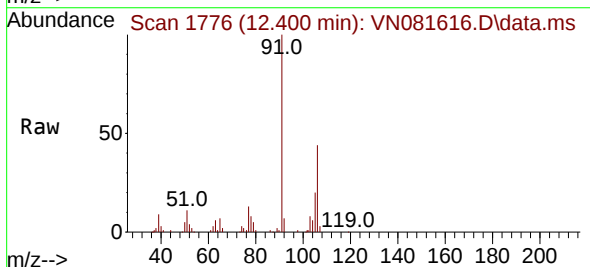
Instrument :
MSVOA_N
ClientSampleId :
S-20

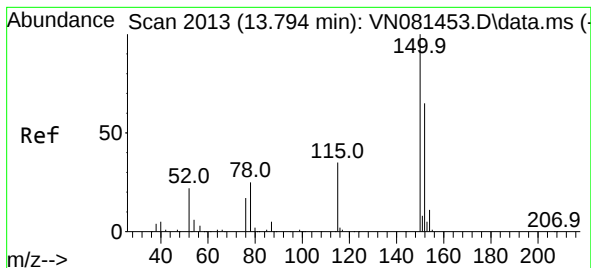
Tgt Ion:106 Resp: 68480
Ion Ratio Lower Upper
106 100
91 196.6 169.0 253.6



#69
o-Xylene
Concen: 4.735 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081616.D
Acq: 29 Mar 2024 15:29

Tgt Ion:106 Resp: 45232
Ion Ratio Lower Upper
106 100
91 211.1 112.1 336.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081616.D

Acq: 29 Mar 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

S-20

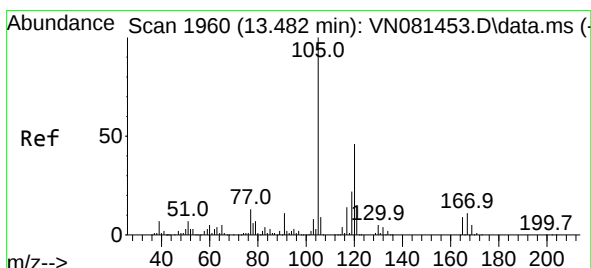
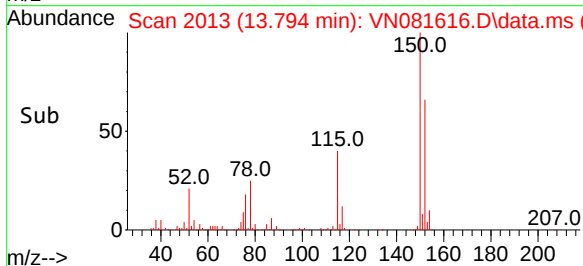
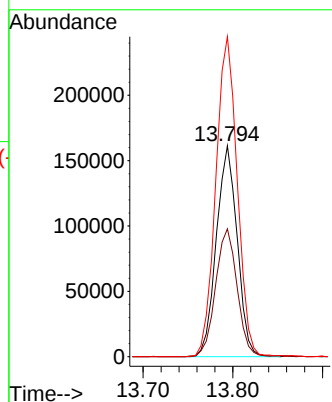
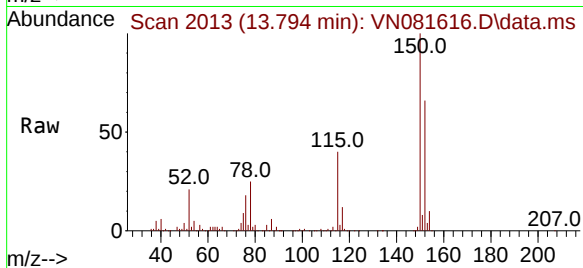
Tgt Ion:152 Resp: 260256

Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 156.0 0.0 339.8



#84

1,2,4-Trimethylbenzene

Concen: 1.656 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN081616.D

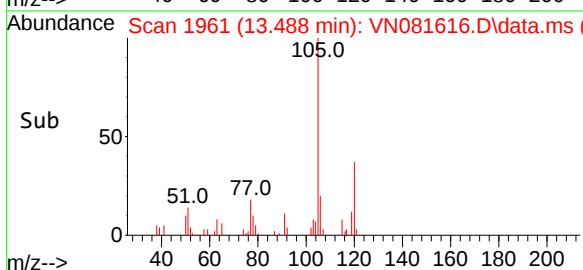
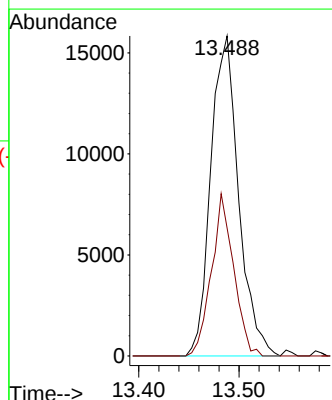
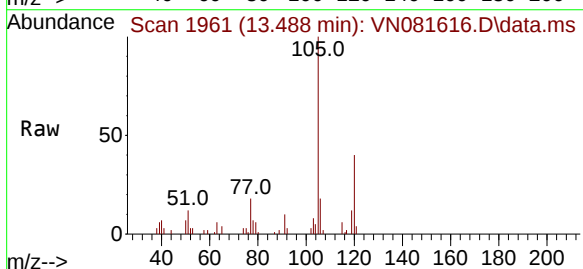
Acq: 29 Mar 2024 15:29

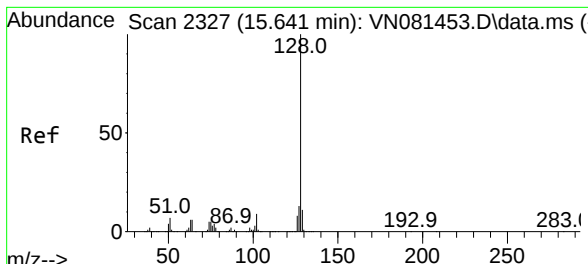
Tgt Ion:105 Resp: 30489

Ion Ratio Lower Upper

105 100

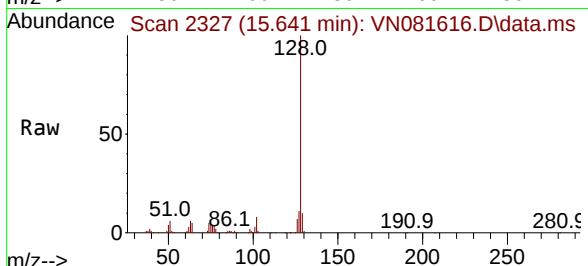
120 40.5 20.9 62.7





#95
 Naphthalene
 Concen: 18.122 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081616.D
 Acq: 29 Mar 2024 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:128 Resp: 329035

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.6	8.7	13.1

