

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076002.D
 Acq On : 28 Dec 2022 16:09
 Operator : JC\MD
 Sample : N6213-04 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4

Quant Time: Dec 29 04:53:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

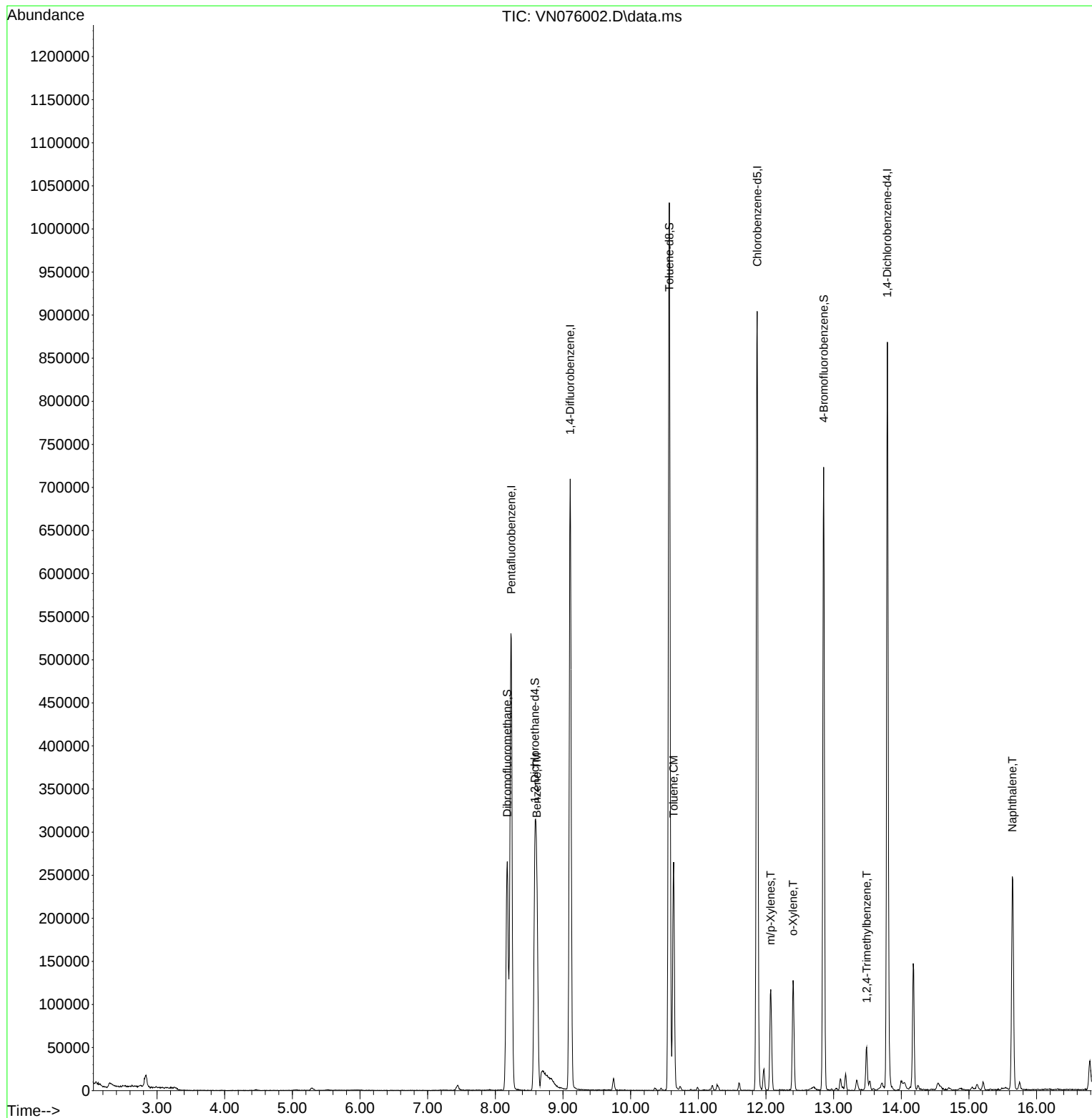
Internal Standards						
1) Pentafluorobenzene	8.236	168	418863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	652427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	558573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	242961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	210718	46.242	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.480%
35) Dibromofluoromethane	8.177	113	191092	47.295	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.600%
50) Toluene-d8	10.571	98	742338	49.140	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.853	95	239822	47.931	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.860%
Target Compounds						
					Qvalue	
40) Benzene	8.612	78	227694	13.750	ug/l	100
52) Toluene	10.635	92	123078	11.412	ug/l	99
68) m/p-Xylenes	12.071	106	39057	5.100	ug/l	97
69) o-Xylene	12.400	106	35865	4.732	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	30333	2.081	ug/l	94
95) Naphthalene	15.641	128	251814	20.392	ug/l	99

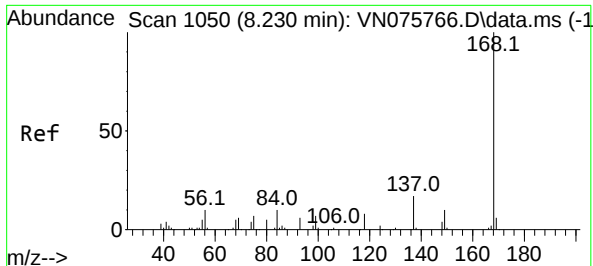
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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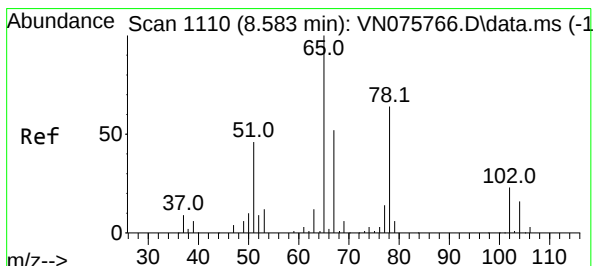
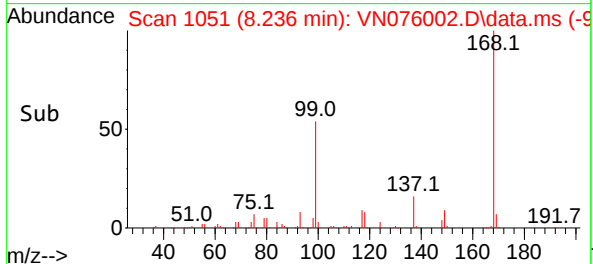
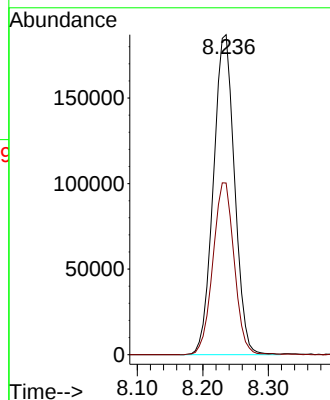
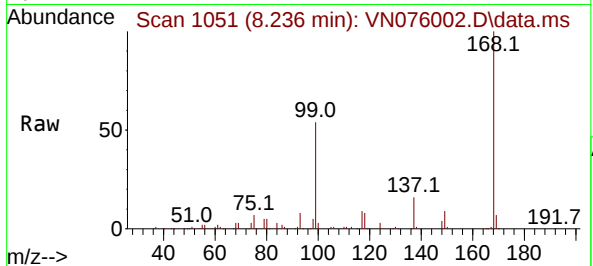




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

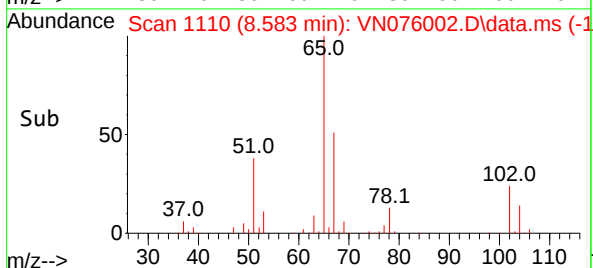
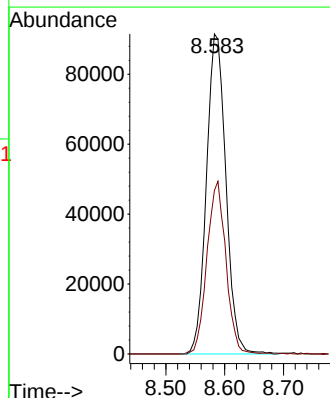
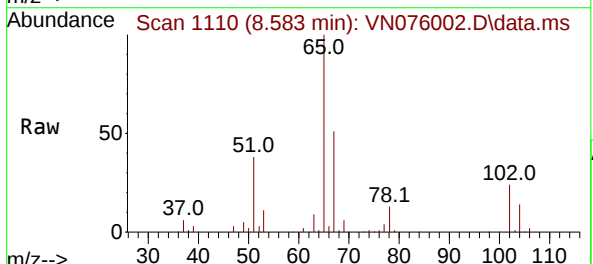
Instrument :
MSVOA_N
ClientSampleId :
SB-4

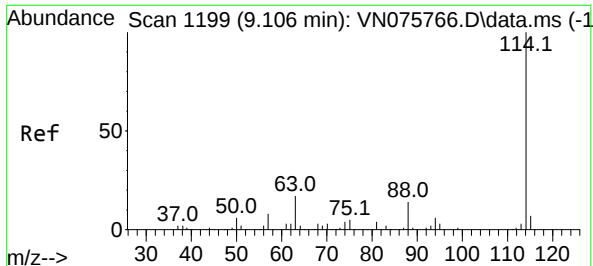
Tgt Ion:168 Resp: 418863
Ion Ratio Lower Upper
168 100
99 53.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.242 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

Tgt Ion: 65 Resp: 210718
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076002.D

Acq: 28 Dec 2022 16:09

Instrument :

MSVOA_N

ClientSampleId :

SB-4

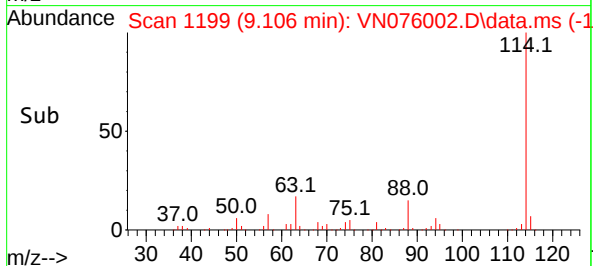
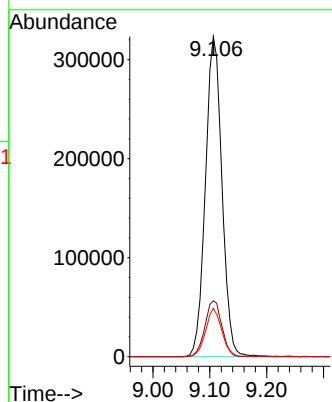
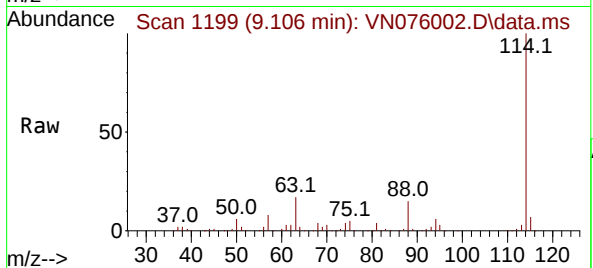
Tgt Ion:114 Resp: 652427

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.295 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076002.D

Acq: 28 Dec 2022 16:09

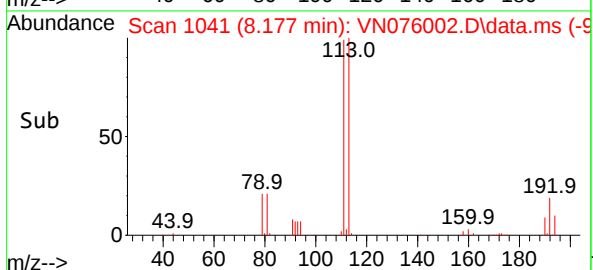
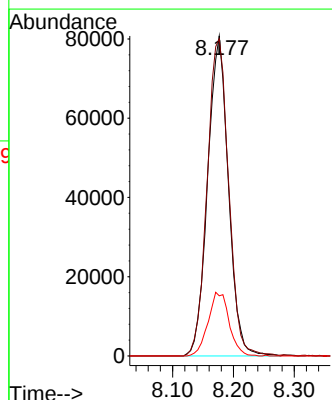
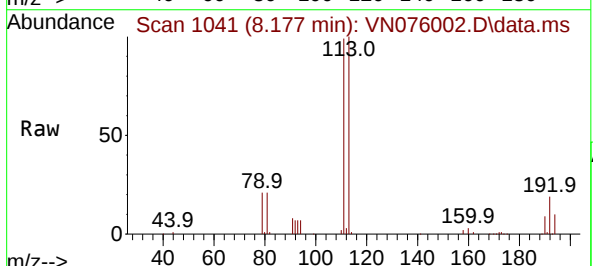
Tgt Ion:113 Resp: 191092

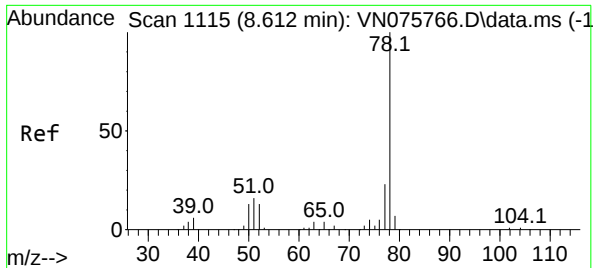
Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

192 20.2 16.1 24.1

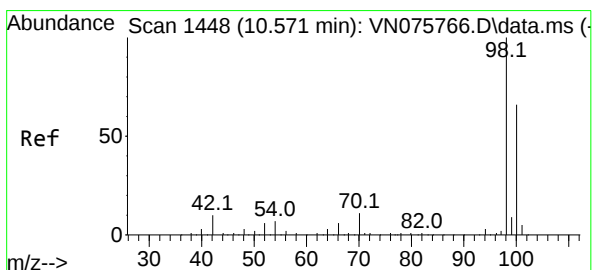
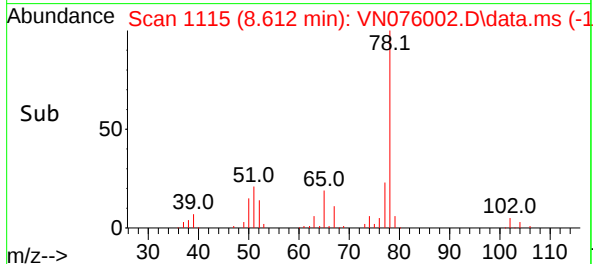
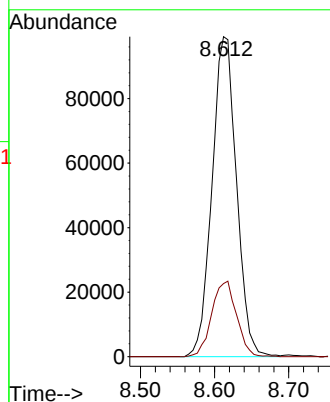
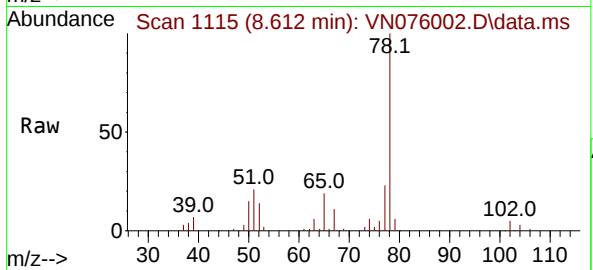




#40
Benzene
Concen: 13.750 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

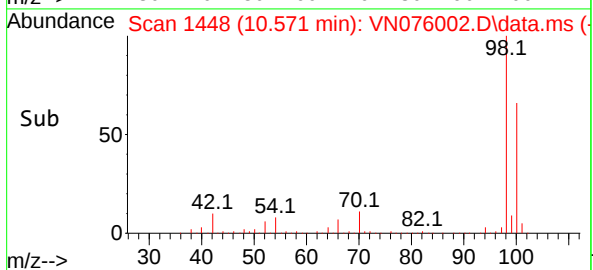
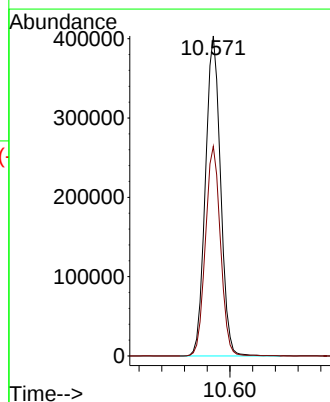
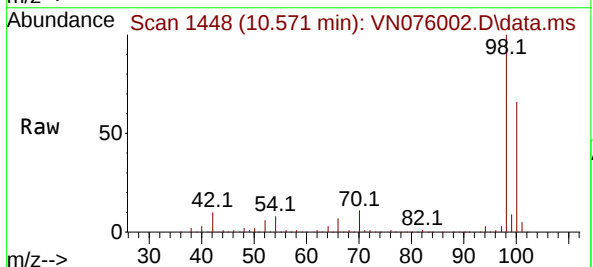
Instrument :
MSVOA_N
ClientSampleId :
SB-4

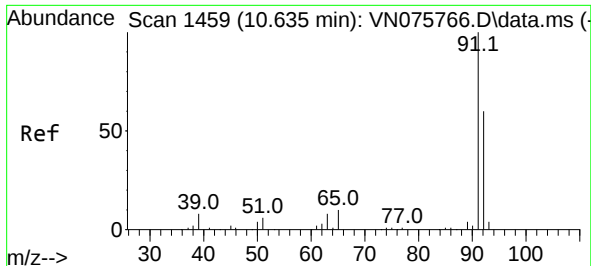
Tgt Ion: 78 Resp: 227694
Ion Ratio Lower Upper
78 100
77 22.9 18.5 27.7



#50
Toluene-d8
Concen: 49.140 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

Tgt Ion: 98 Resp: 742338
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

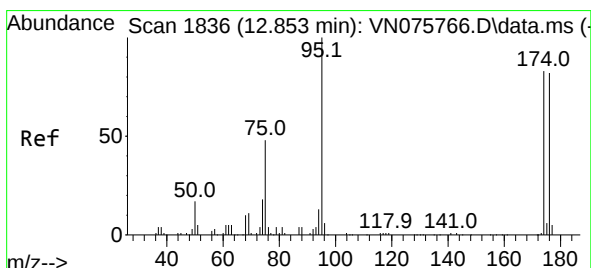
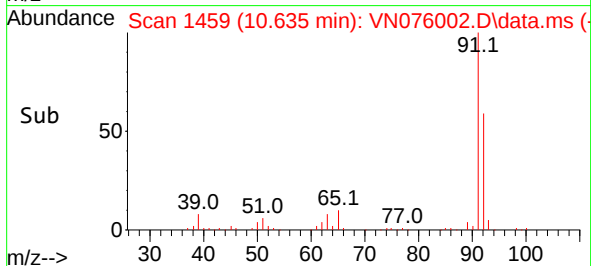
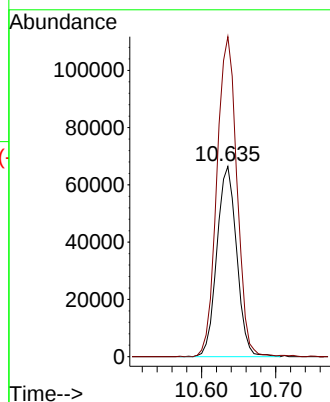
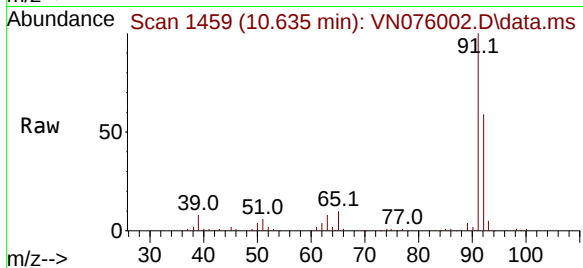




#52
Toluene
Concen: 11.412 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

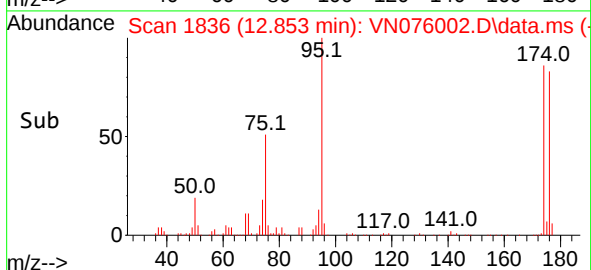
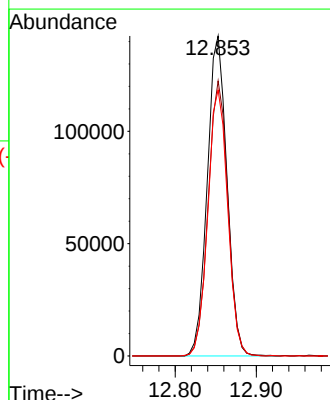
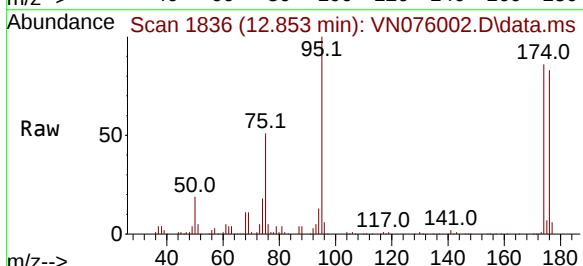
Instrument :
MSVOA_N
ClientSampleId :
SB-4

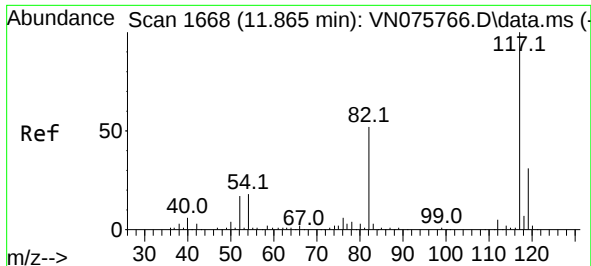
Tgt Ion: 92 Resp: 123078
Ion Ratio Lower Upper
92 100
91 170.5 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 47.931 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

Tgt Ion: 95 Resp: 239822
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.6
176 83.7 0.0 169.2

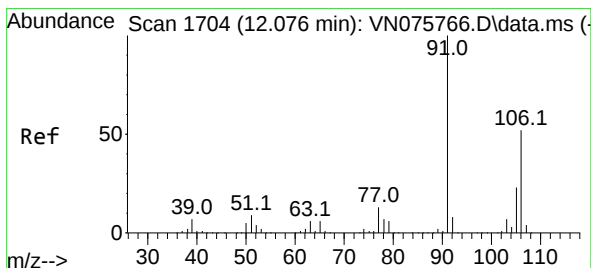
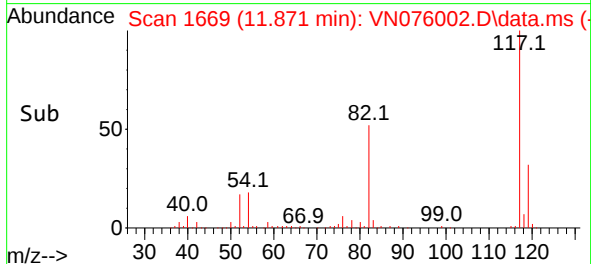
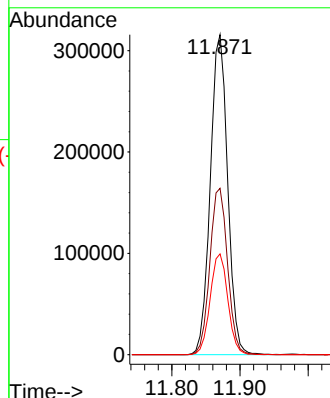
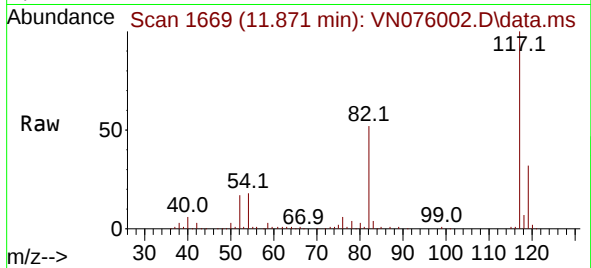




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

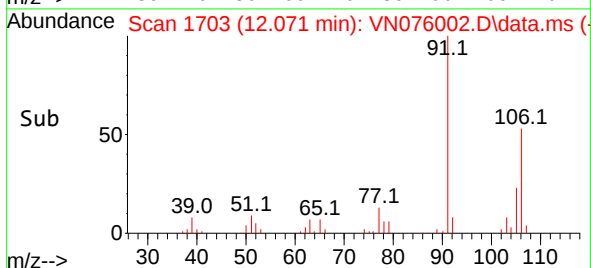
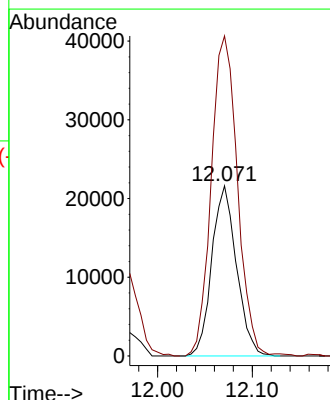
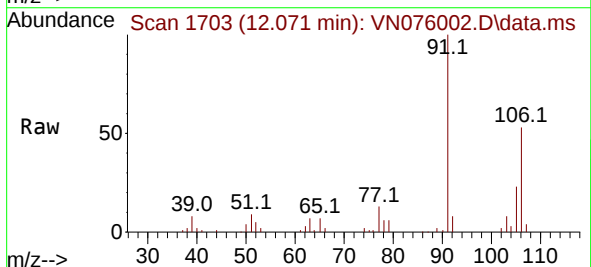
Instrument :
MSVOA_N
ClientSampleId :
SB-4

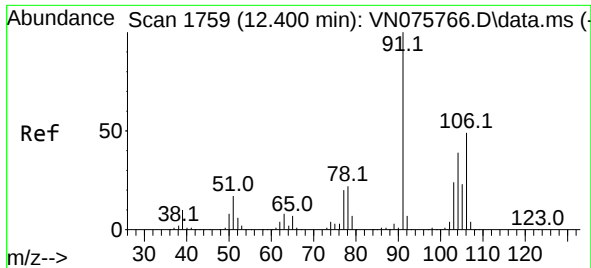
Tgt Ion:117 Resp: 558573
Ion Ratio Lower Upper
117 100
82 52.0 41.3 61.9
119 31.5 24.6 37.0



#68
m/p-Xylenes
Concen: 5.100 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

Tgt Ion:106 Resp: 39057
Ion Ratio Lower Upper
106 100
91 200.4 156.6 235.0

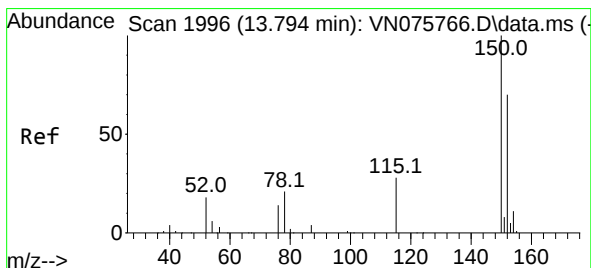
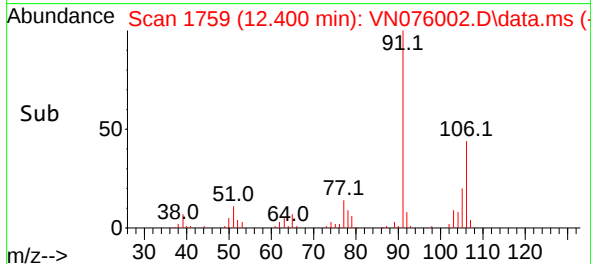
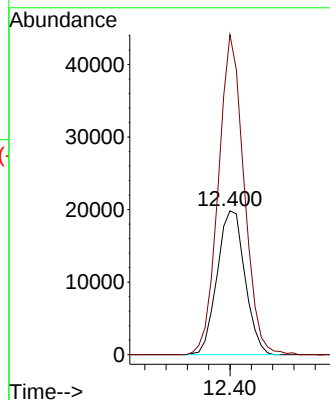
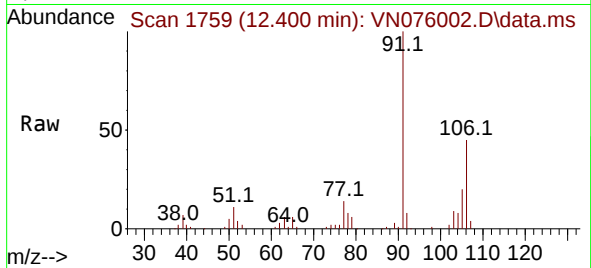




#69
o-Xylene
Concen: 4.732 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

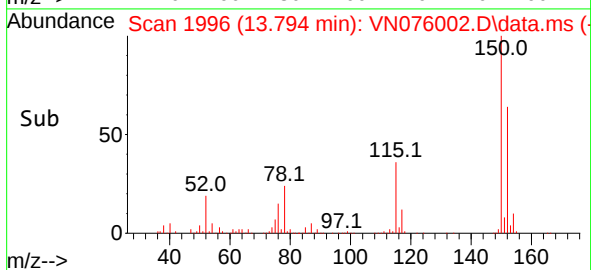
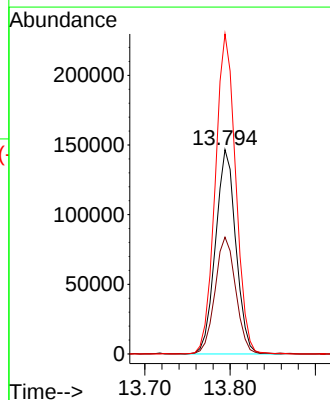
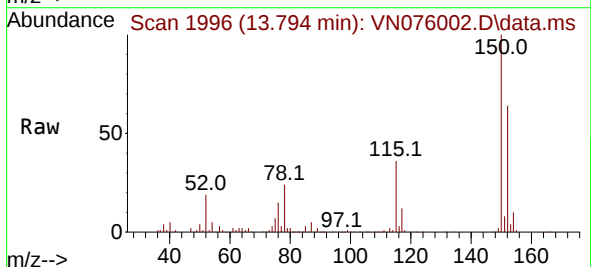
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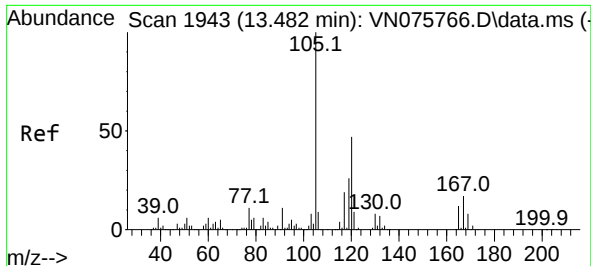
Tgt Ion:106 Resp: 35865
Ion Ratio Lower Upper
106 100
91 205.9 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076002.D
Acq: 28 Dec 2022 16:09

Tgt Ion:152 Resp: 242961
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.4
150 157.3 0.0 347.0

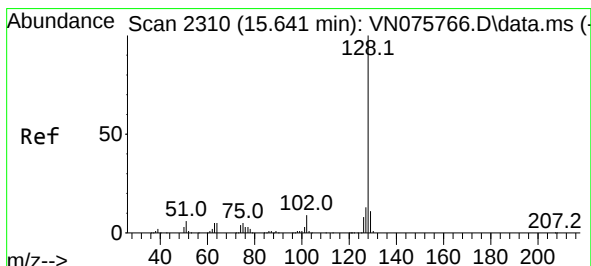
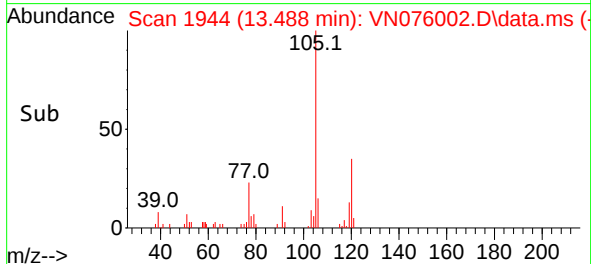
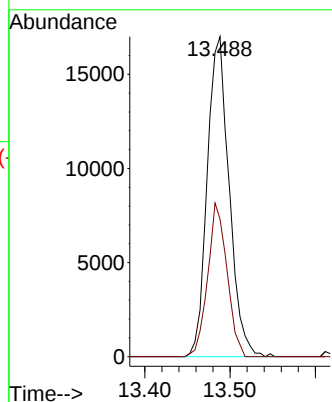
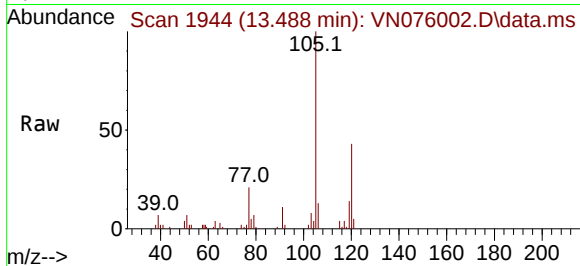




#84
 1,2,4-Trimethylbenzene
 Concen: 2.081 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.006 min
 Lab File: VN076002.D
 Acq: 28 Dec 2022 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:105 Resp: 30333
 Ion Ratio Lower Upper
 105 100
 120 42.3 23.3 69.8



#95
 Naphthalene
 Concen: 20.392 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN076002.D
 Acq: 28 Dec 2022 16:09

Tgt Ion:128 Resp: 251814
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.4 15.6
 129 10.6 8.7 13.1

