

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081541.D
 Acq On : 22 Mar 2024 12:28
 Operator : JC\MD
 Sample : P1798-04DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-4DL

Quant Time: Mar 23 00:12:24 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)

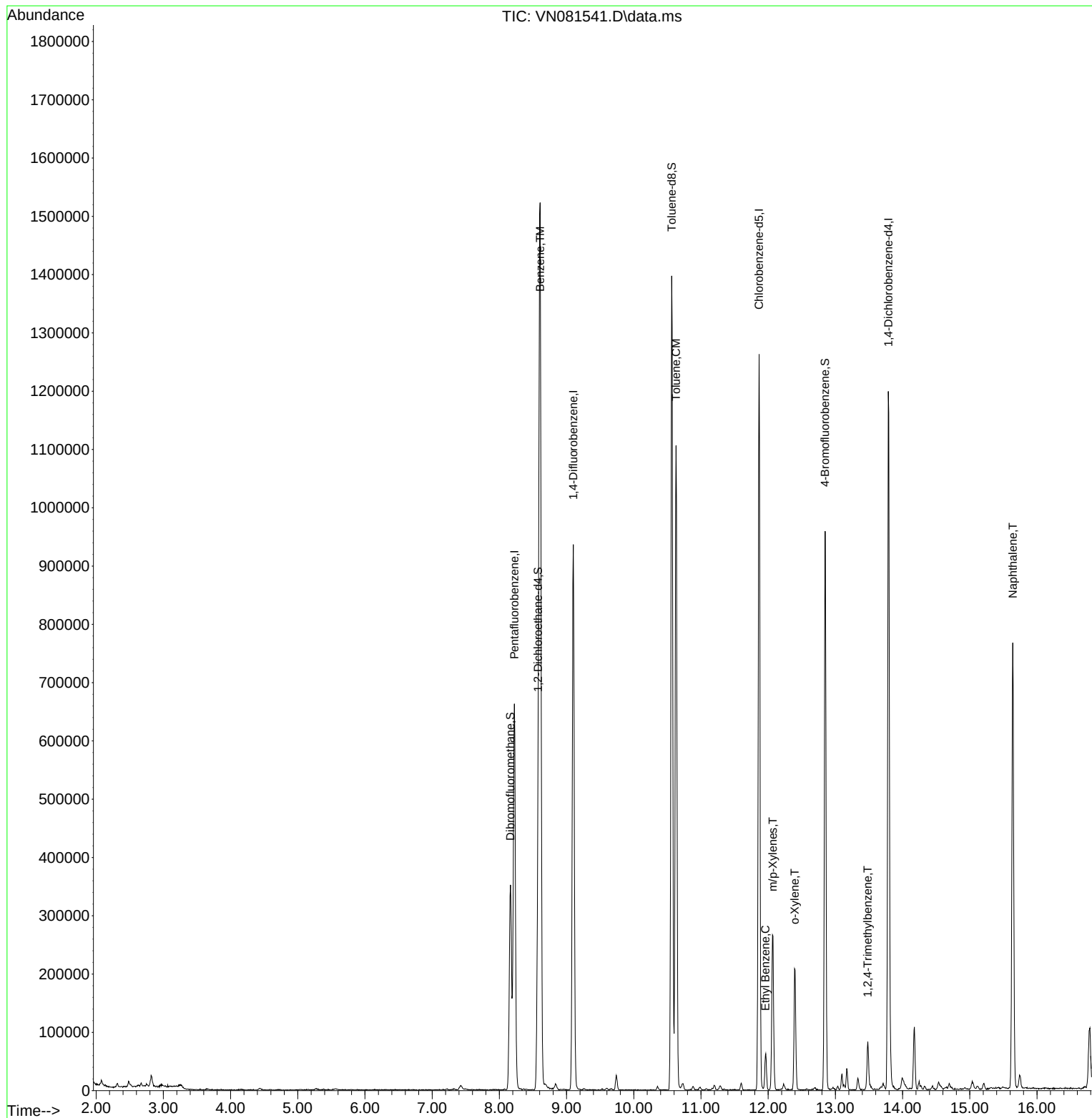
Internal Standards						
1) Pentafluorobenzene	8.224	168	479100	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	835543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	743550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	324932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	296118	48.466	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.940%
35) Dibromofluoromethane	8.165	113	253296	48.035	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	10.565	98	983249	51.582	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.160%
62) 4-Bromofluorobenzene	12.847	95	320831	47.767	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	95.540%
Target Compounds						
						Qvalue
40) Benzene	8.606	78	1538097	59.285	ug/l	97
52) Toluene	10.629	92	498509	30.231	ug/l	99
67) Ethyl Benzene	11.959	91	43576	1.427	ug/l	98
68) m/p-Xylenes	12.071	106	86485	7.556	ug/l	97
69) o-Xylene	12.394	106	59865	5.327	ug/l	87
84) 1,2,4-Trimethylbenzene	13.482	105	49993	2.174	ug/l	96
95) Naphthalene	15.641	128	714360	31.512	ug/l	99

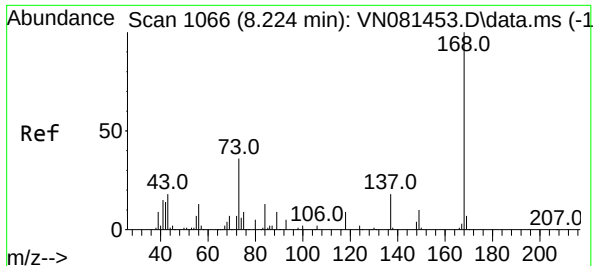
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

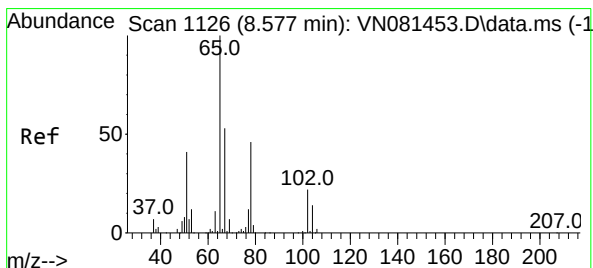
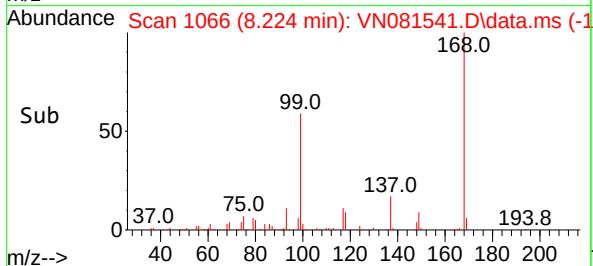
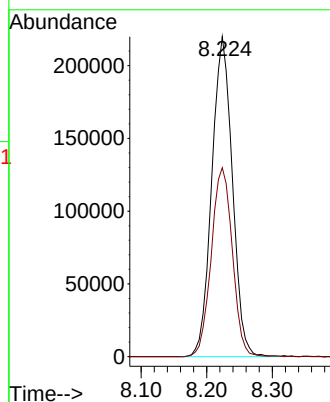
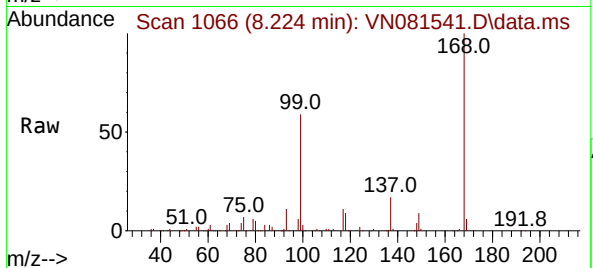




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

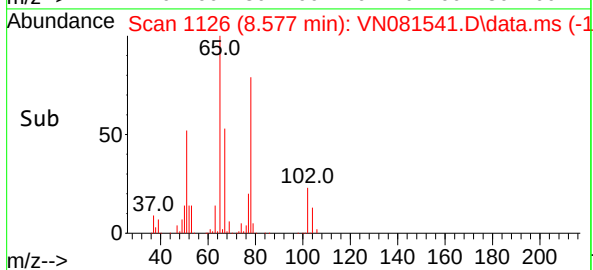
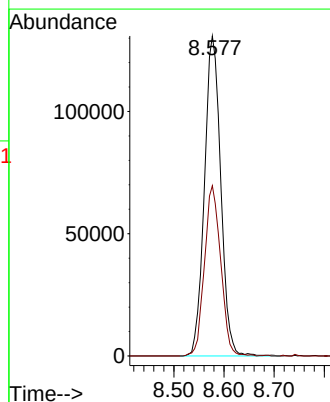
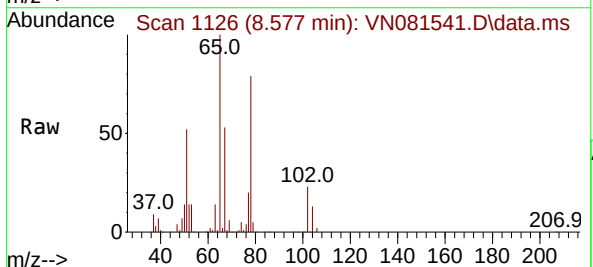
Instrument :
MSVOA_N
ClientSampleId :
S-4DL

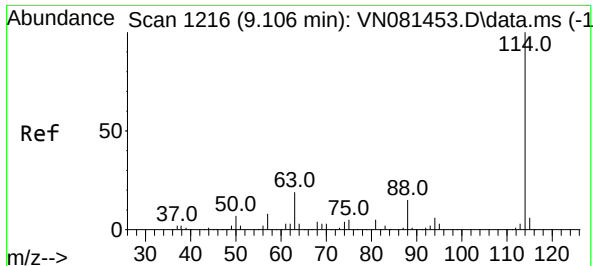
Tgt Ion:168 Resp: 479100
Ion Ratio Lower Upper
168 100
99 59.1 59.9 89.9#



#33
1,2-Dichloroethane-d4
Concen: 48.466 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

Tgt Ion: 65 Resp: 296118
Ion Ratio Lower Upper
65 100
67 52.9 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: VN081541.D

Acq: 22 Mar 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

S-4DL

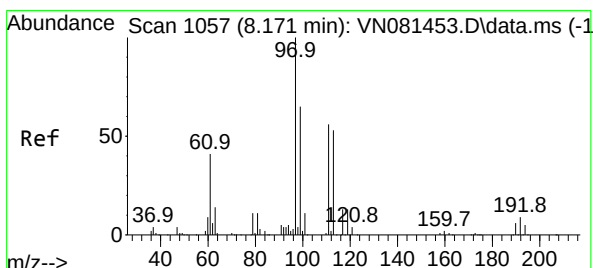
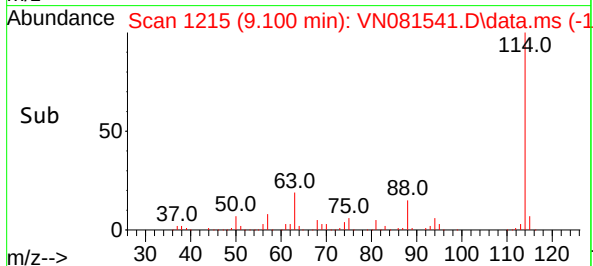
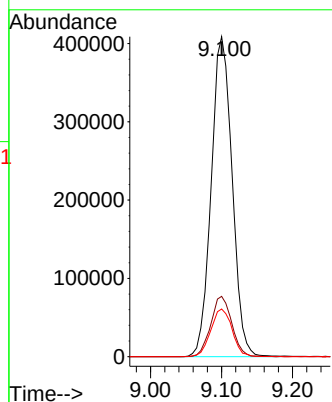
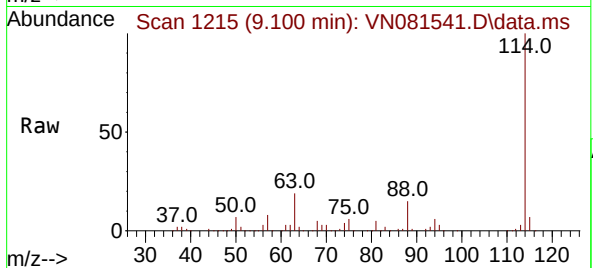
Tgt Ion:114 Resp: 835543

Ion Ratio Lower Upper

114 100

63 18.9 0.0 48.0

88 14.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.035 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081541.D

Acq: 22 Mar 2024 12:28

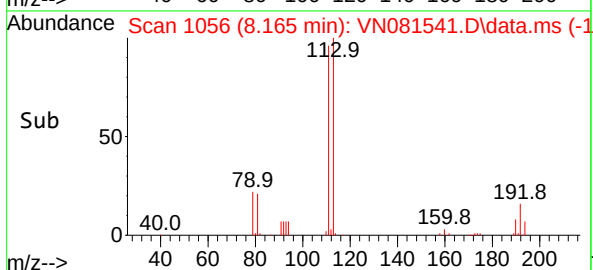
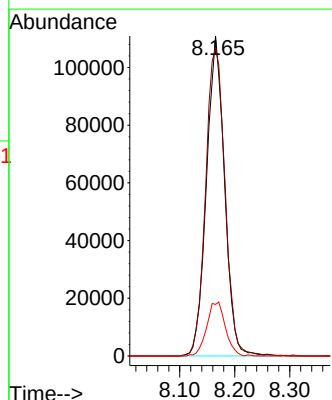
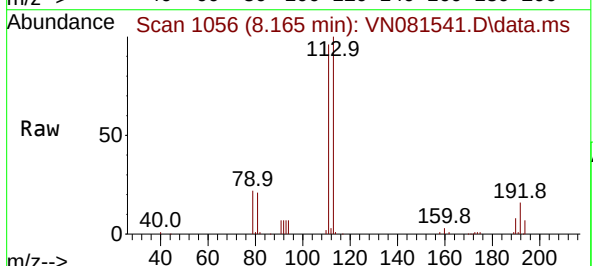
Tgt Ion:113 Resp: 253296

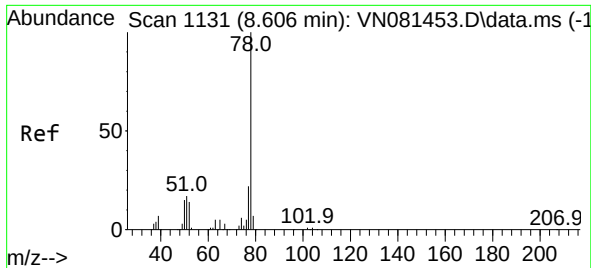
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 17.4 12.5 18.7

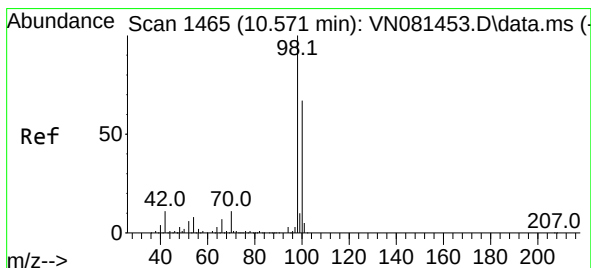
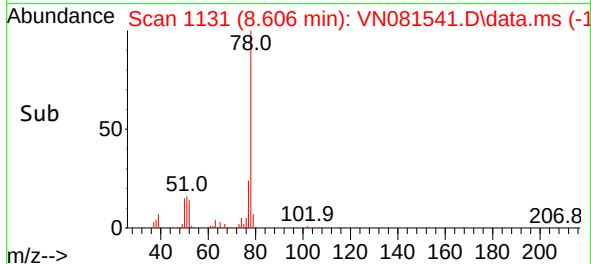
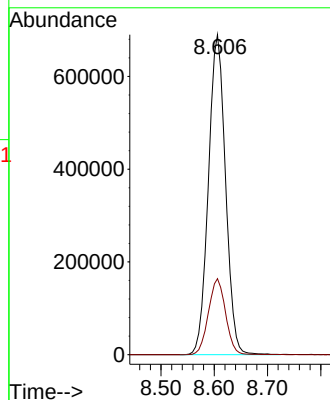
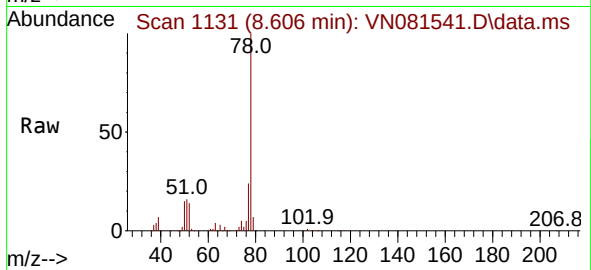




#40
Benzene
Concen: 59.285 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

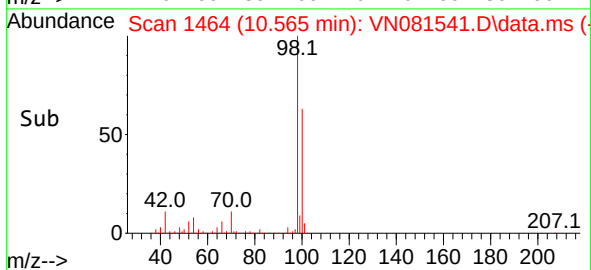
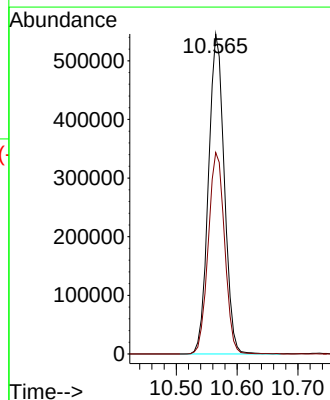
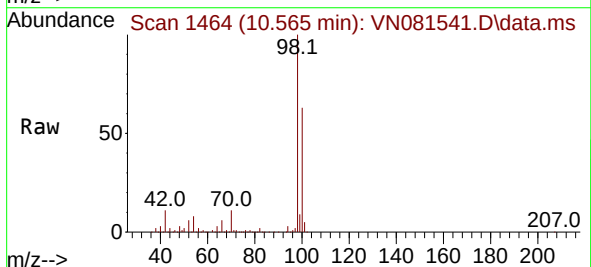
Instrument :
MSVOA_N
ClientSampleId :
S-4DL

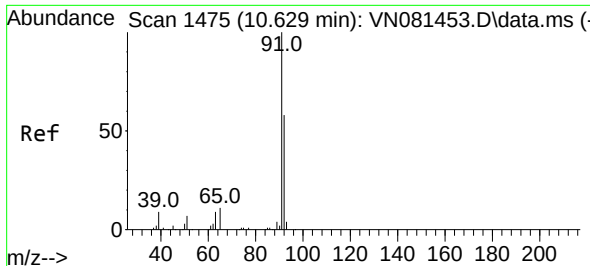
Tgt Ion: 78 Resp: 1538097
Ion Ratio Lower Upper
78 100
77 23.8 20.4 30.6



#50
Toluene-d8
Concen: 51.582 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

Tgt Ion: 98 Resp: 983249
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

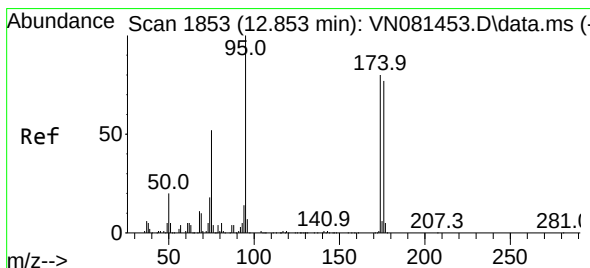
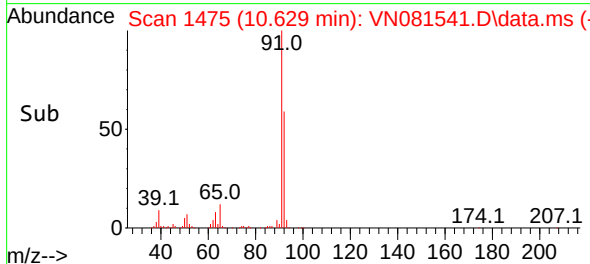
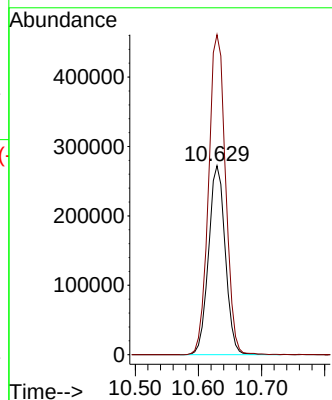
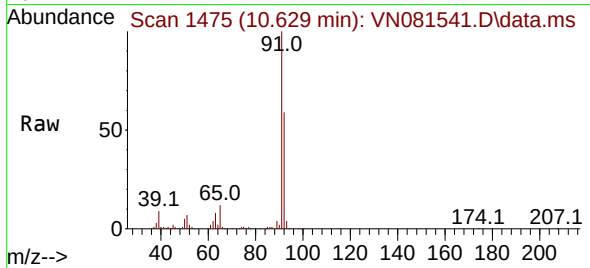




#52
Toluene
Concen: 30.231 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

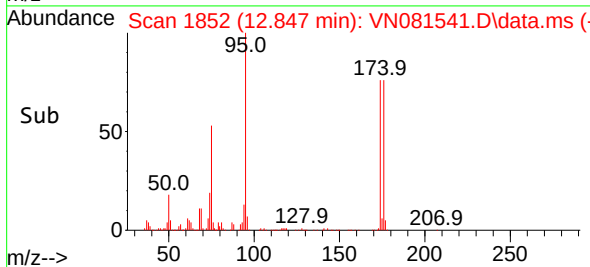
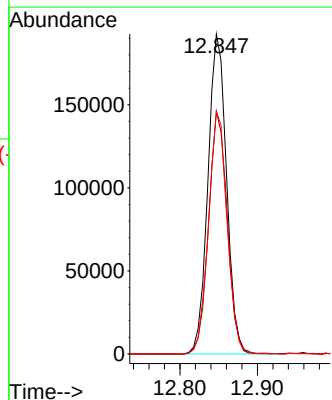
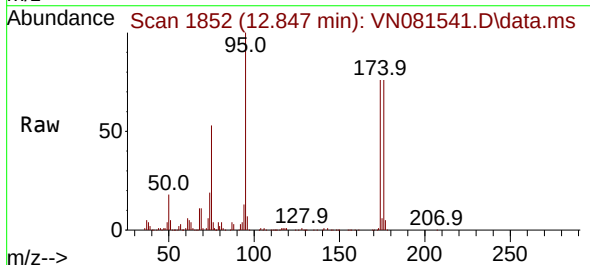
Instrument :
MSVOA_N
ClientSampleId :
S-4DL

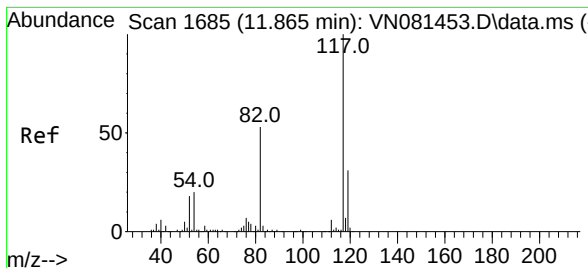
Tgt Ion: 92 Resp: 498509
Ion Ratio Lower Upper
92 100
91 172.8 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 47.767 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

Tgt Ion: 95 Resp: 320831
Ion Ratio Lower Upper
95 100
174 76.0 0.0 120.4
176 75.6 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081541.D

Acq: 22 Mar 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

S-4DL

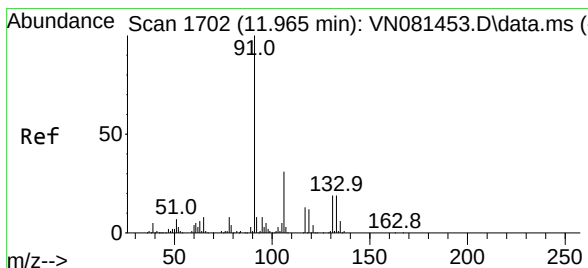
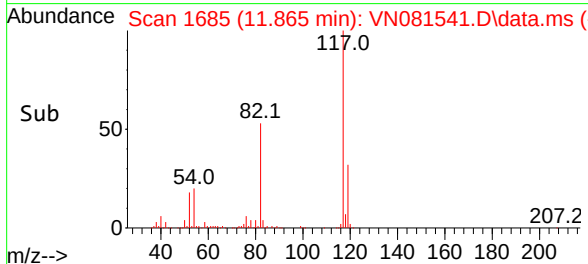
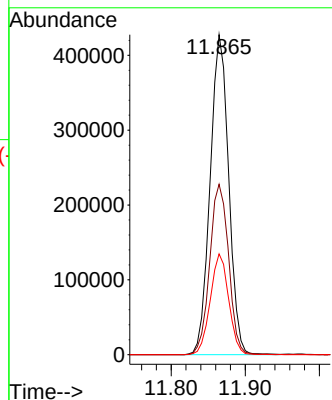
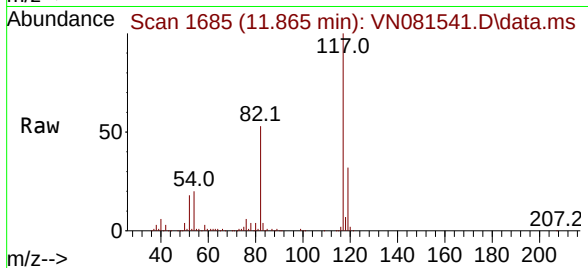
Tgt Ion:117 Resp: 743550

Ion Ratio Lower Upper

117 100

82 53.2 52.7 79.1

119 31.5 25.3 37.9



#67

Ethyl Benzene

Concen: 1.427 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN081541.D

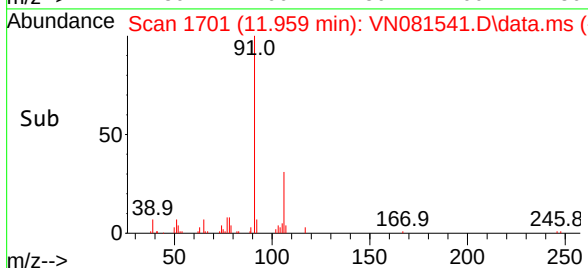
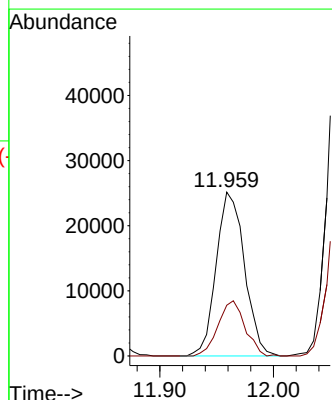
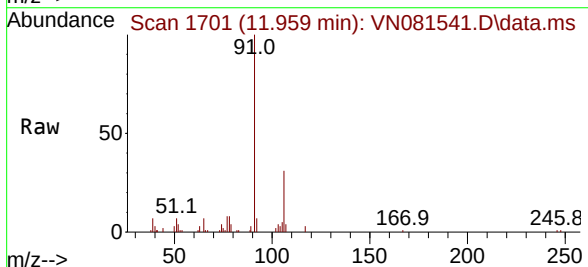
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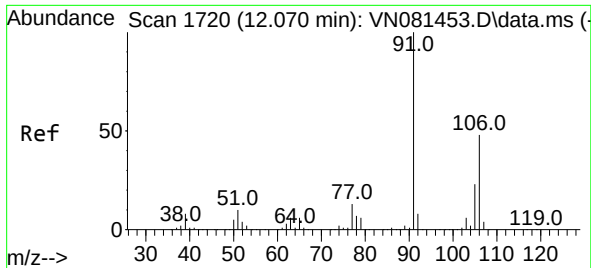
Tgt Ion: 91 Resp: 43576

Ion Ratio Lower Upper

91 100

106 30.9 23.8 35.6

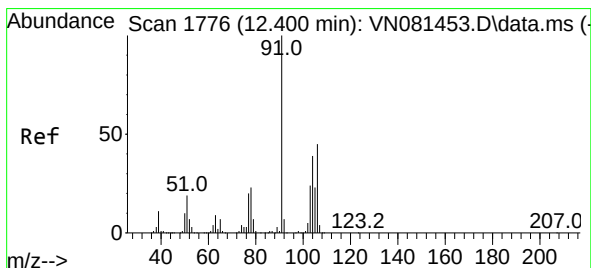
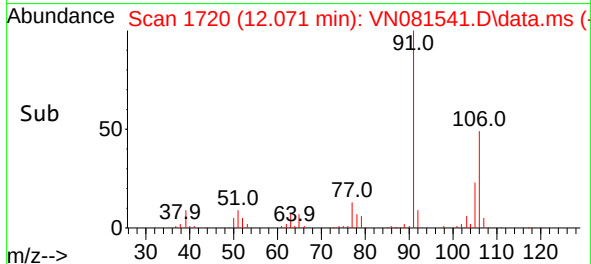
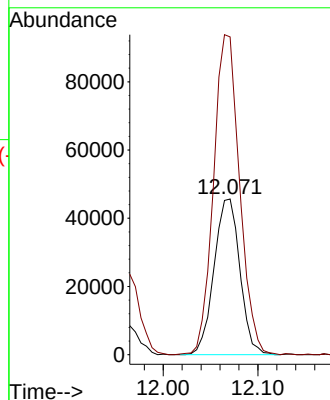
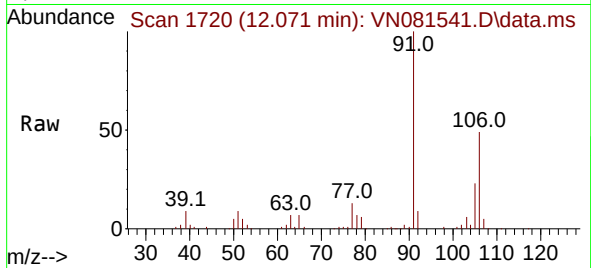




#68
m/p-Xylenes
Concen: 7.556 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

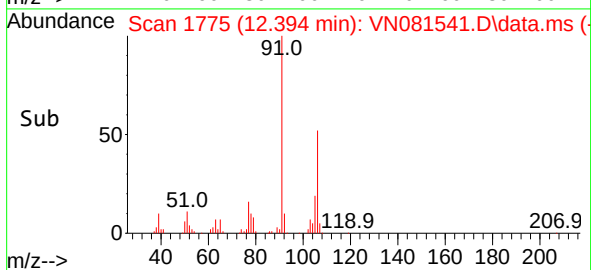
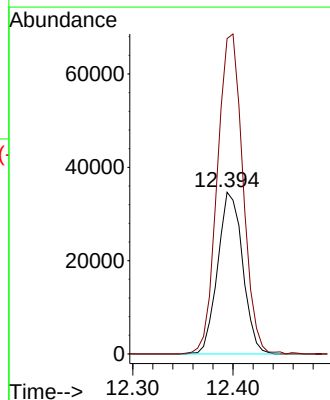
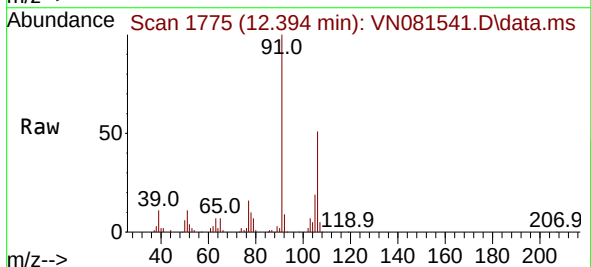
Instrument :
MSVOA_N
ClientSampleId :
S-4DL

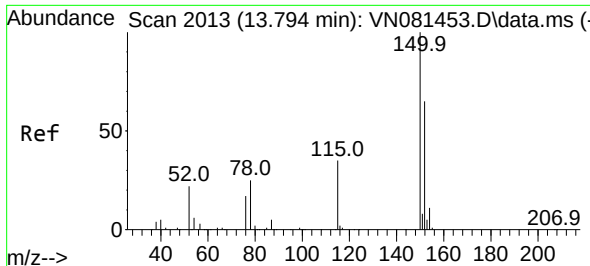
Tgt Ion:106 Resp: 86485
Ion Ratio Lower Upper
106 100
91 207.3 169.0 253.6



#69
o-Xylene
Concen: 5.327 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

Tgt Ion:106 Resp: 59865
Ion Ratio Lower Upper
106 100
91 203.3 112.1 336.3

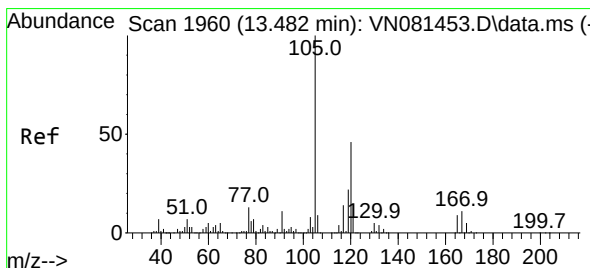
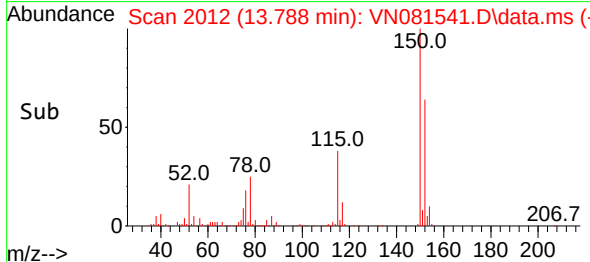
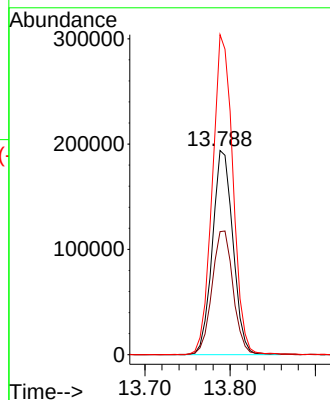
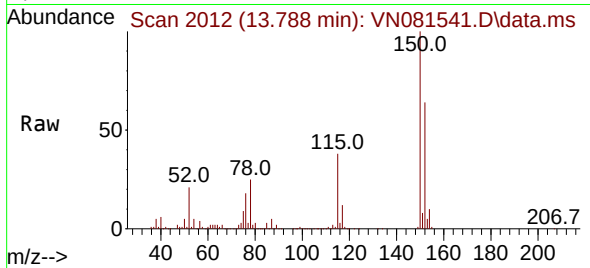




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN081541.D
 Acq: 22 Mar 2024 12:28

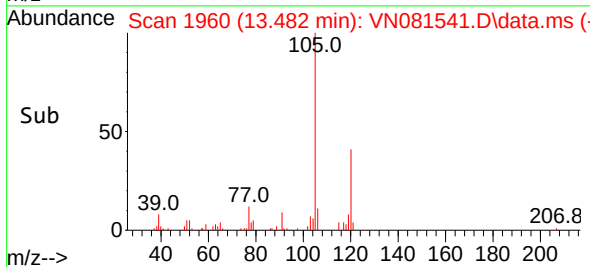
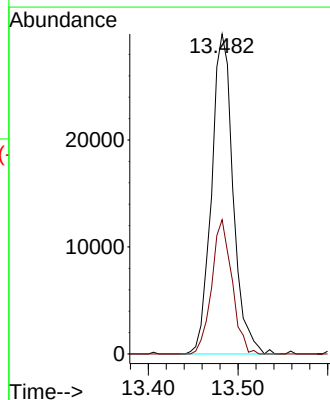
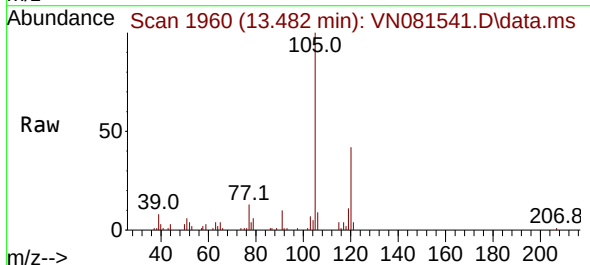
Instrument :
 MSVOA_N
 ClientSampleId :
 S-4DL

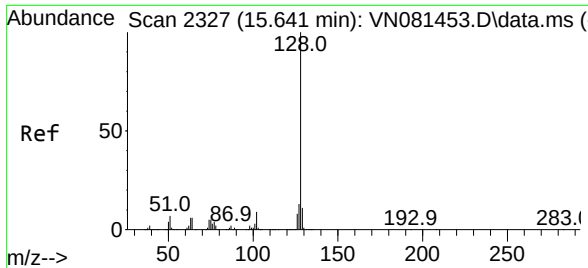
Tgt Ion:152 Resp: 324932
 Ion Ratio Lower Upper
 152 100
 115 62.4 32.3 96.8
 150 156.9 0.0 339.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.174 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081541.D
 Acq: 22 Mar 2024 12:28

Tgt Ion:105 Resp: 49993
 Ion Ratio Lower Upper
 105 100
 120 39.2 20.9 62.7





#95
Naphthalene
Concen: 31.512 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081541.D
Acq: 22 Mar 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
S-4DL

Tgt Ion:128 Resp: 714360
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.4 8.7 13.1

