

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081540.D
 Acq On : 22 Mar 2024 12:04
 Operator : JC\MD
 Sample : P1798-03DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-3DL

Quant Time: Mar 23 00:11:58 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)

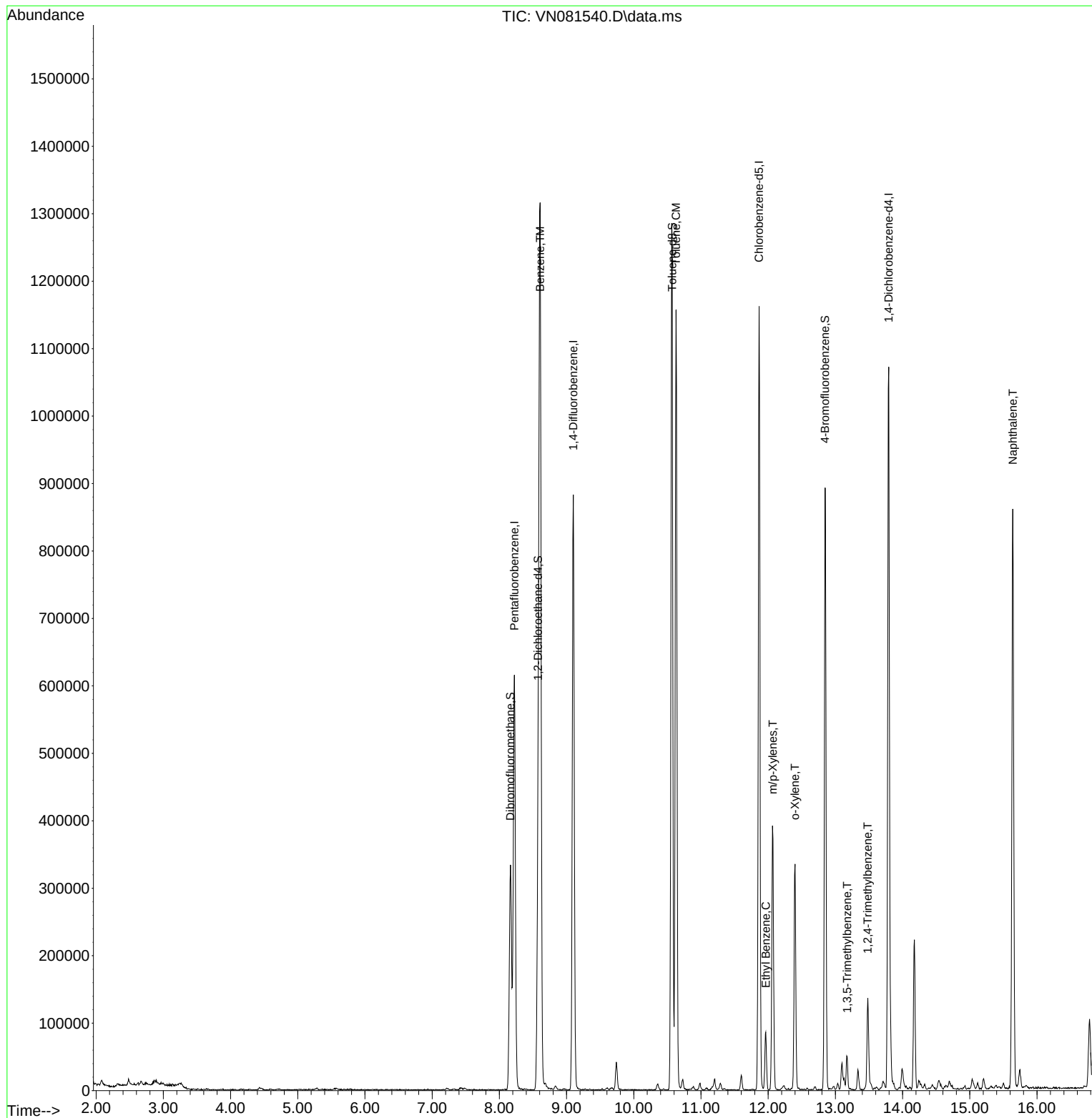
Internal Standards						
1) Pentafluorobenzene	8.224	168	445543	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	788330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	682078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	295084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	283878	49.962	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.920%
35) Dibromofluoromethane	8.165	113	239927	48.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.440%
50) Toluene-d8	10.571	98	919022	51.100	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.200%
62) 4-Bromofluorobenzene	12.847	95	298756	47.144	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	94.280%
Target Compounds						
						Qvalue
40) Benzene	8.606	78	1315387	53.738	ug/l	95
52) Toluene	10.629	92	516724	33.213	ug/l	100
67) Ethyl Benzene	11.965	91	60067	2.145	ug/l	98
68) m/p-Xylenes	12.070	106	125488	11.951	ug/l	92
69) o-Xylene	12.400	106	96028	9.316	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	27184	1.308	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	80489	3.855	ug/l	100
95) Naphthalene	15.641	128	814288	39.554	ug/l	100

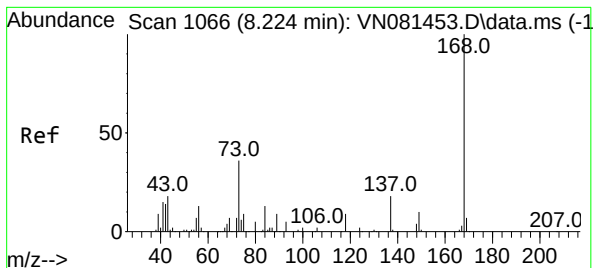
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 23 00:11:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081540.D

Acq: 22 Mar 2024 12:04

Instrument :

MSVOA_N

ClientSampleId :

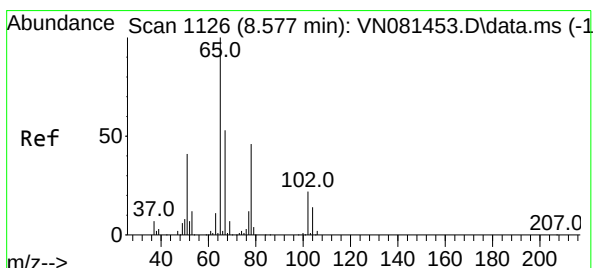
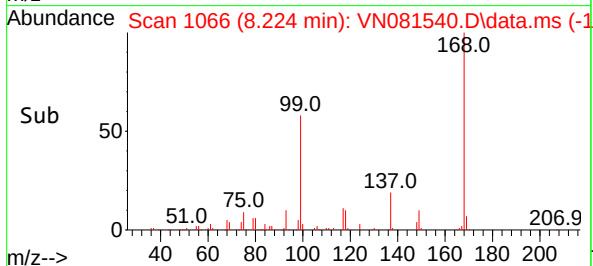
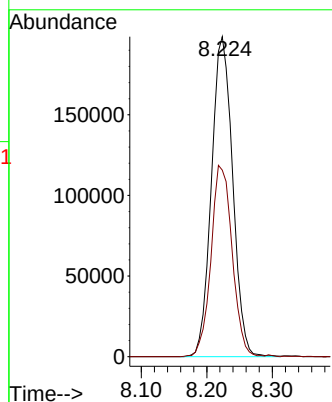
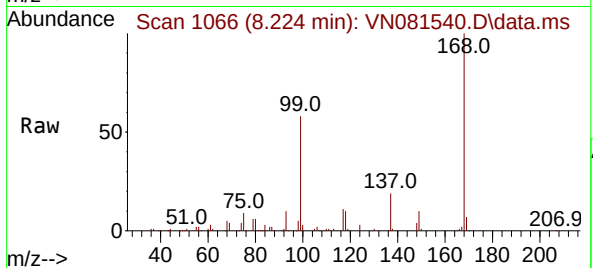
S-3DL

Tgt Ion:168 Resp: 445543

Ion Ratio Lower Upper

168 100

99 58.3 59.9 89.9#



#33

1,2-Dichloroethane-d4

Concen: 49.962 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081540.D

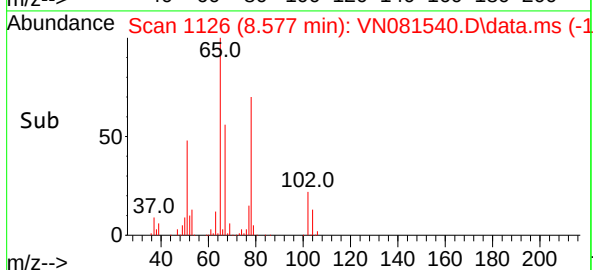
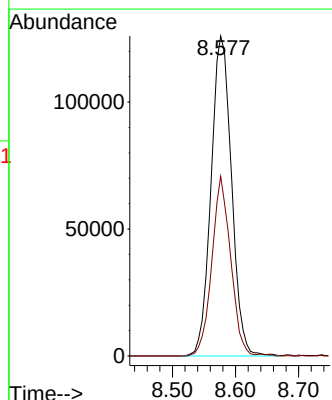
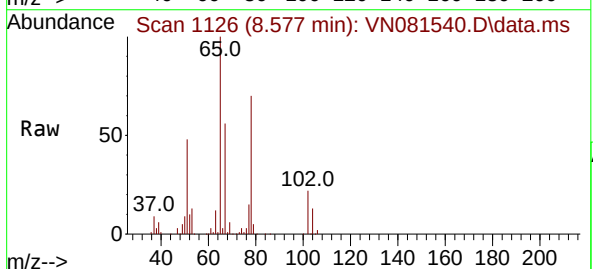
Acq: 22 Mar 2024 12:04

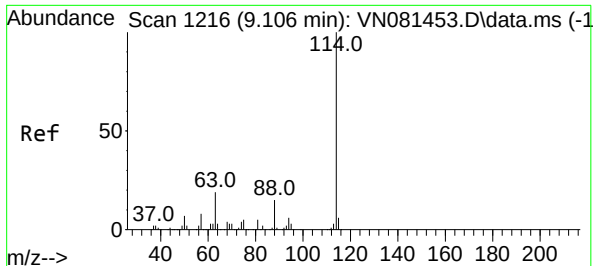
Tgt Ion: 65 Resp: 283878

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081540.D

Acq: 22 Mar 2024 12:04

Instrument :

MSVOA_N

ClientSampleId :

S-3DL

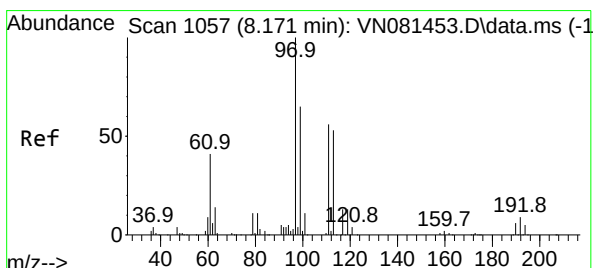
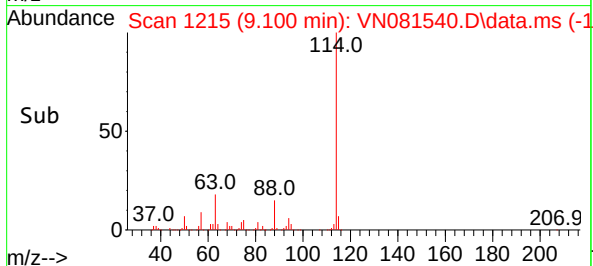
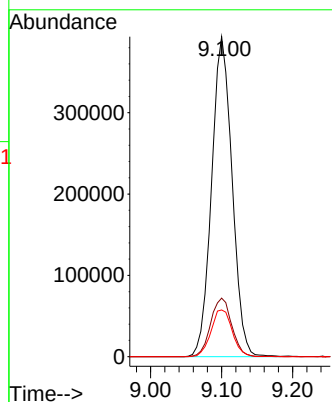
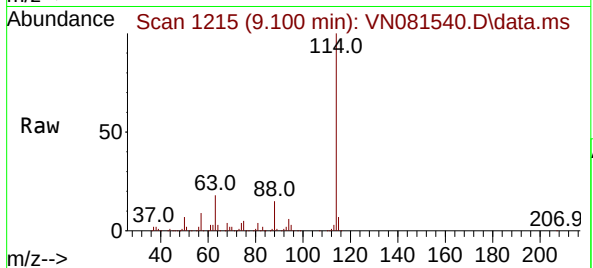
Tgt Ion:114 Resp: 788330

Ion Ratio Lower Upper

114 100

63 18.3 0.0 48.0

88 14.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.225 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081540.D

Acq: 22 Mar 2024 12:04

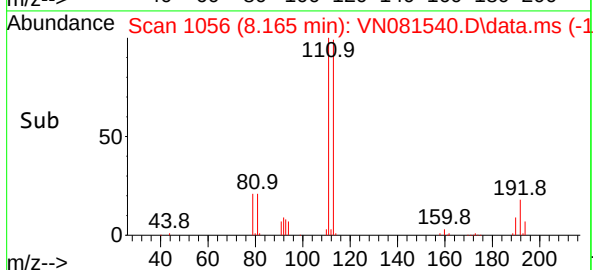
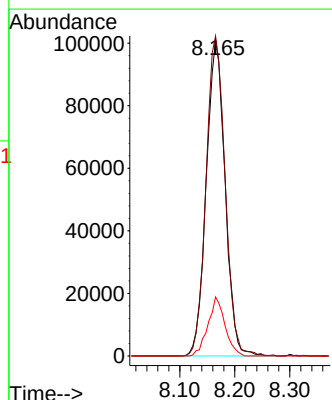
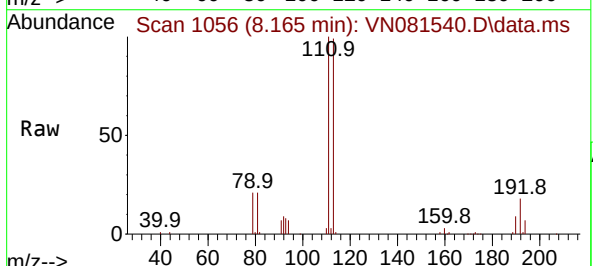
Tgt Ion:113 Resp: 239927

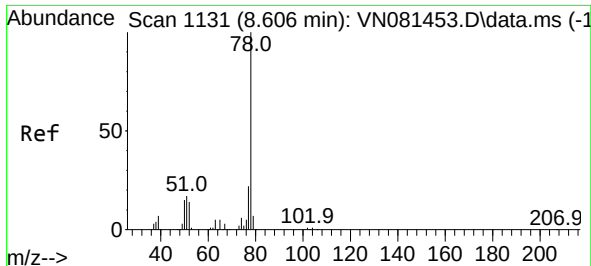
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 16.9 12.5 18.7

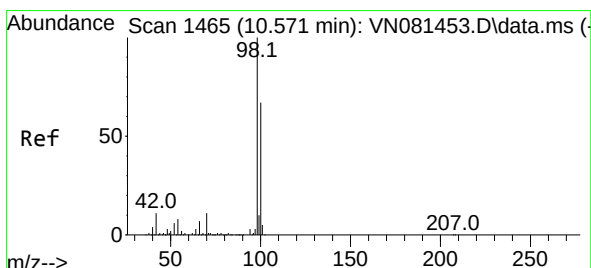
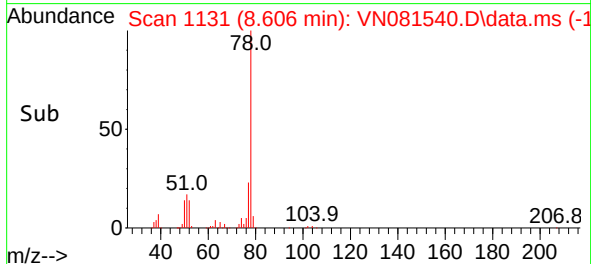
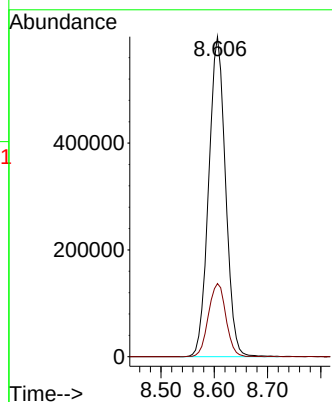
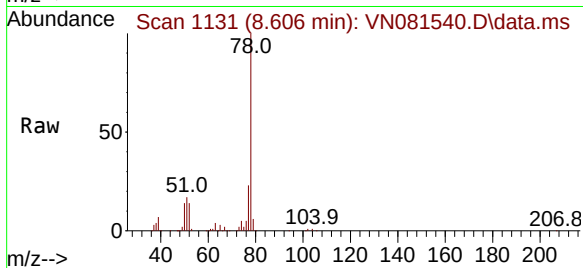




#40
Benzene
Concen: 53.738 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

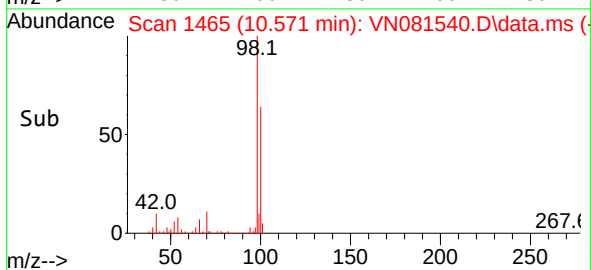
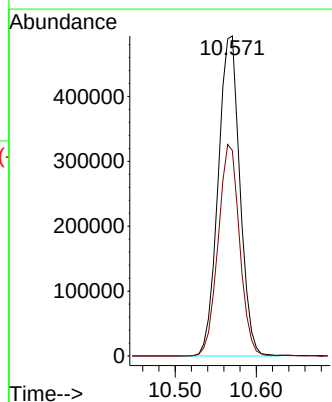
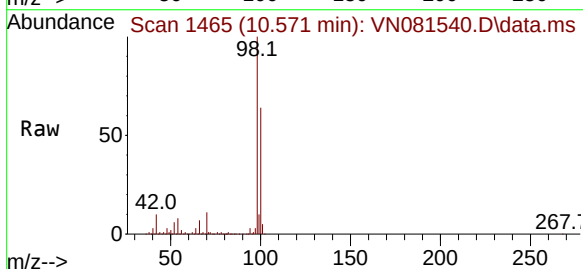
Instrument :
MSVOA_N
ClientSampleId :
S-3DL

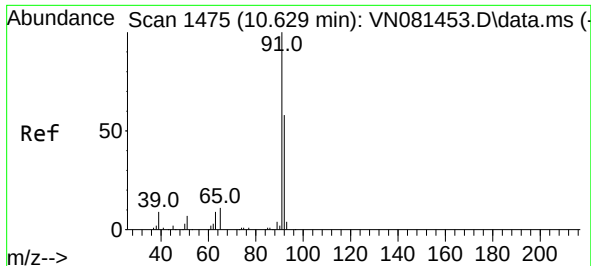
Tgt Ion: 78 Resp: 1315387
Ion Ratio Lower Upper
78 100
77 22.9 20.4 30.6



#50
Toluene-d8
Concen: 51.100 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

Tgt Ion: 98 Resp: 919022
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0

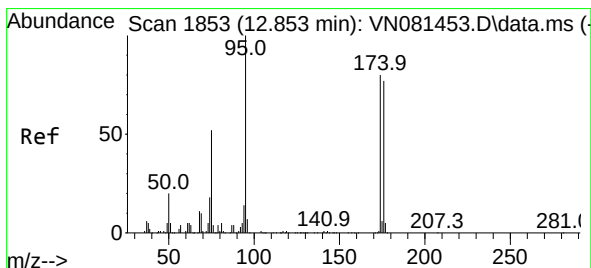
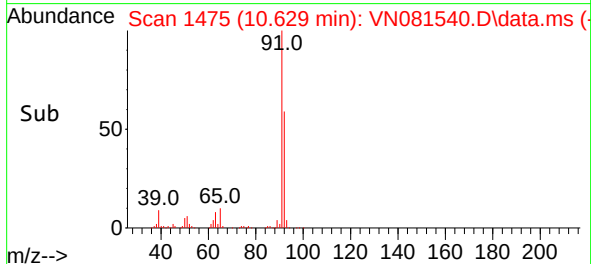
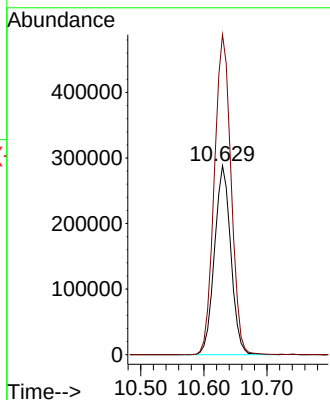
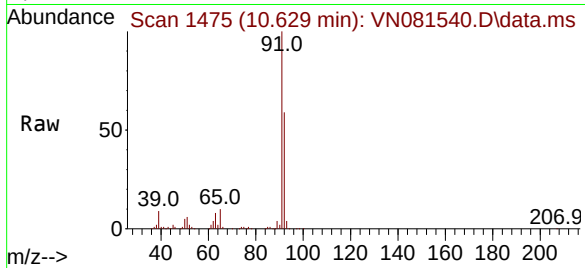




#52
Toluene
Concen: 33.213 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

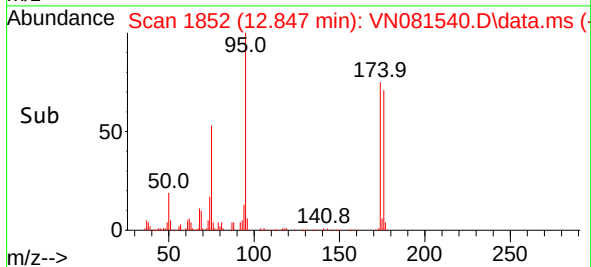
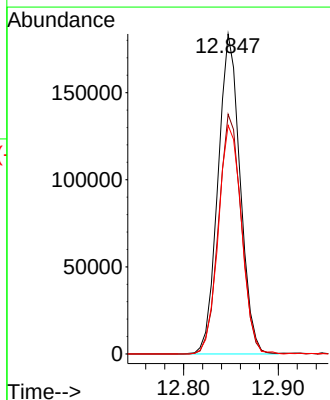
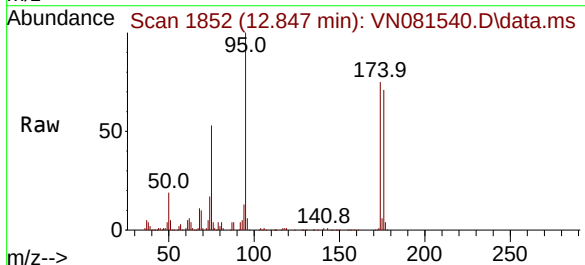
Instrument :
MSVOA_N
ClientSampleId :
S-3DL

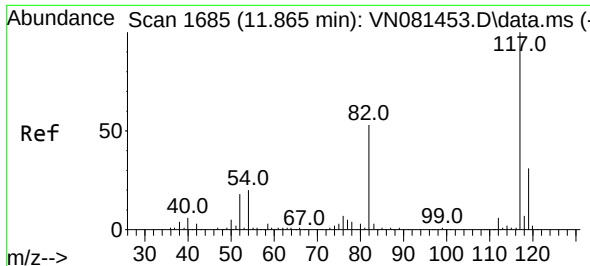
Tgt Ion: 92 Resp: 516724
Ion Ratio Lower Upper
92 100
91 173.6 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 47.144 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

Tgt Ion: 95 Resp: 298756
Ion Ratio Lower Upper
95 100
174 76.6 0.0 120.4
176 74.9 0.0 121.0

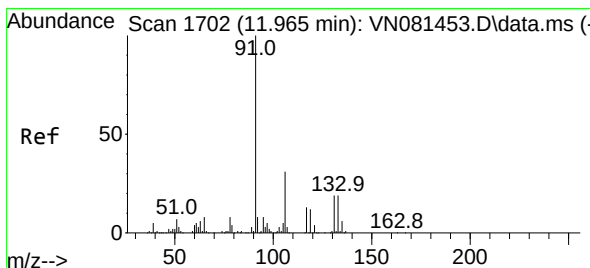
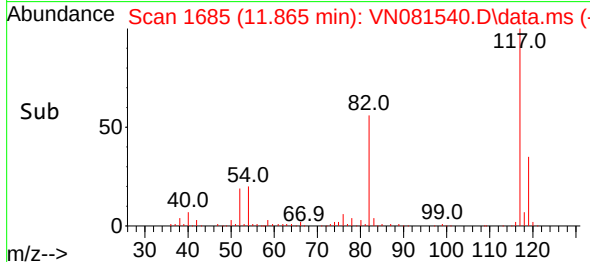
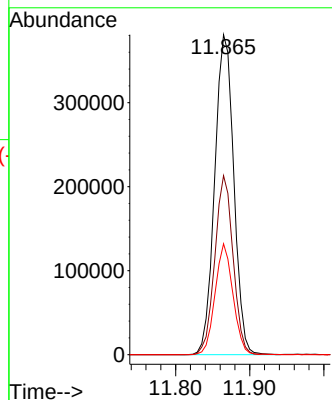
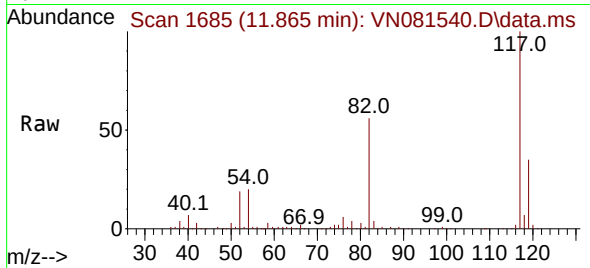




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

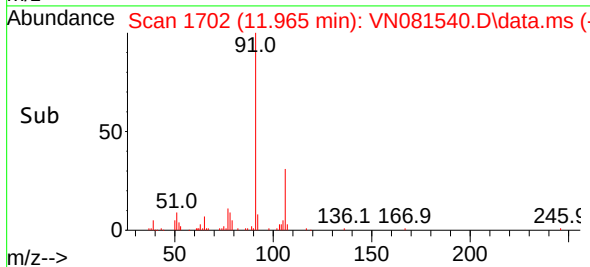
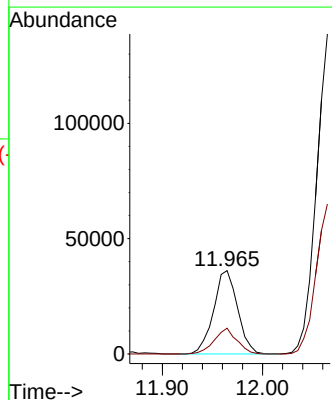
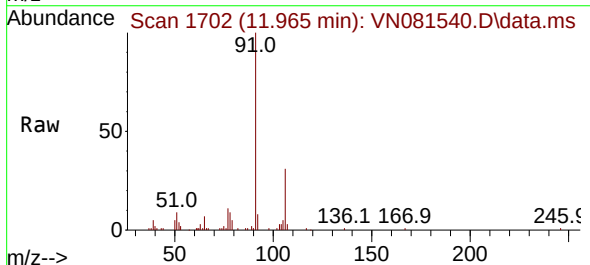
Instrument :
MSVOA_N
ClientSampleId :
S-3DL

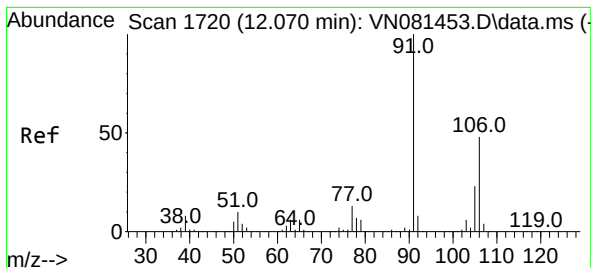
Tgt Ion:117 Resp: 682078
Ion Ratio Lower Upper
117 100
82 56.0 52.7 79.1
119 34.6 25.3 37.9



#67
Ethyl Benzene
Concen: 2.145 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

Tgt Ion: 91 Resp: 60067
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.6

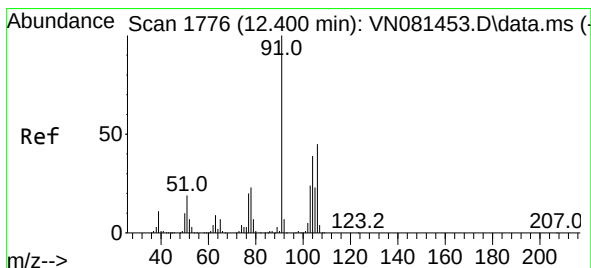
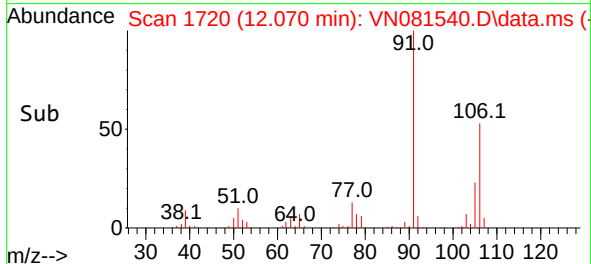
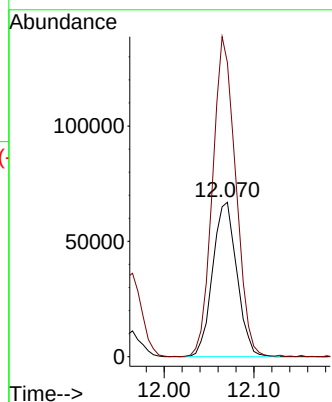
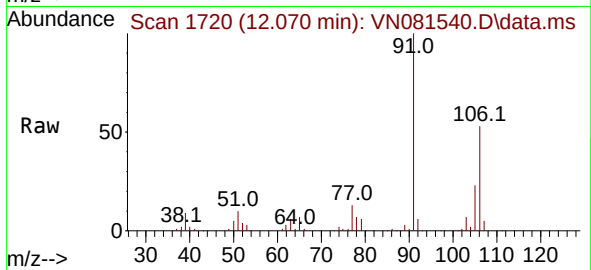




#68
m/p-Xylenes
Concen: 11.951 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

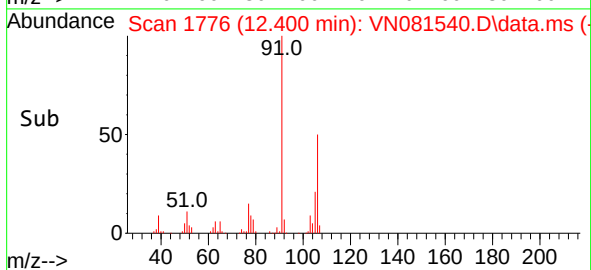
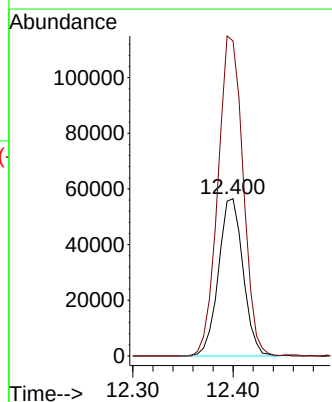
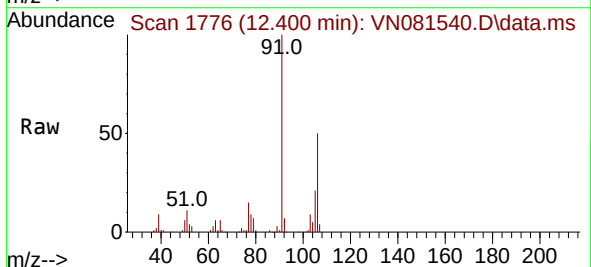
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MSVOA_N
ClientSampleId :
S-3DL

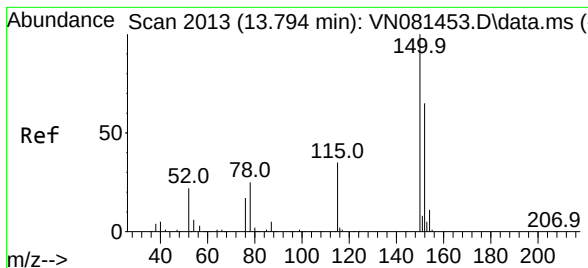
Tgt Ion:106 Resp: 125488
Ion Ratio Lower Upper
106 100
91 198.6 169.0 253.6



#69
o-Xylene
Concen: 9.316 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081540.D
Acq: 22 Mar 2024 12:04

Tgt Ion:106 Resp: 96028
Ion Ratio Lower Upper
106 100
91 208.4 112.1 336.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081540.D

Acq: 22 Mar 2024 12:04

Instrument :

MSVOA_N

ClientSampleId :

S-3DL

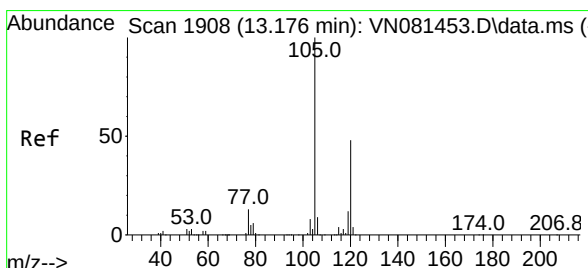
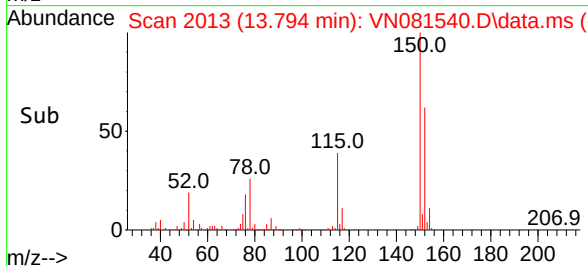
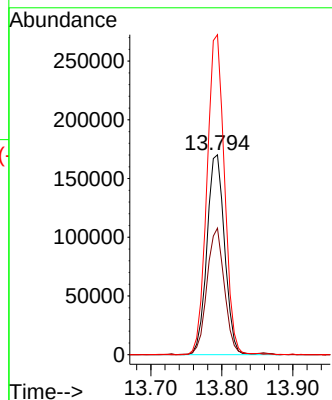
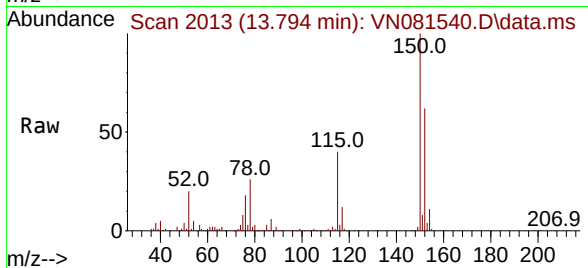
Tgt Ion:152 Resp: 295084

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 158.6 0.0 339.8



#80

1,3,5-Trimethylbenzene

Concen: 1.308 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN081540.D

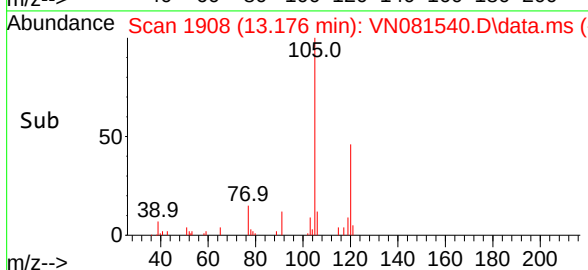
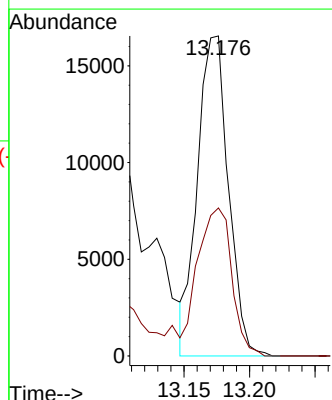
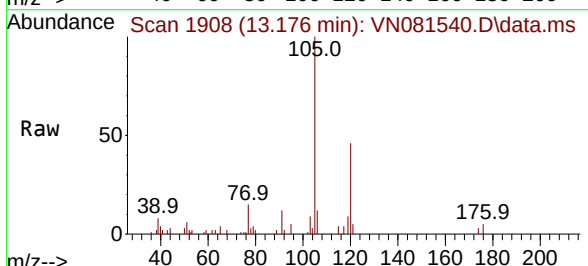
Acq: 22 Mar 2024 12:04

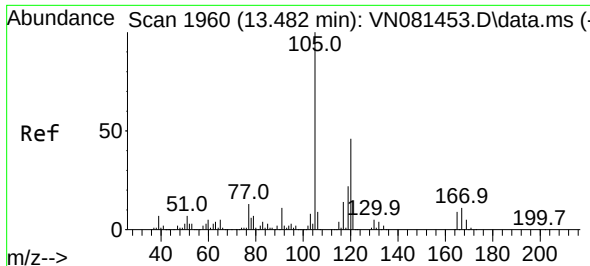
Tgt Ion:105 Resp: 27184

Ion Ratio Lower Upper

105 100

120 51.0 23.0 69.0

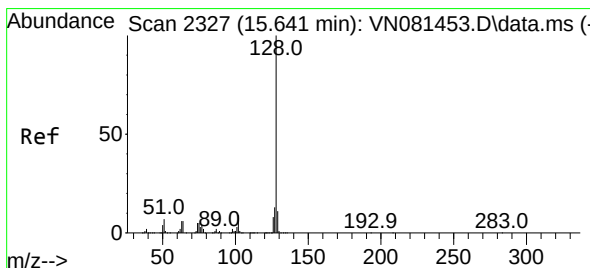
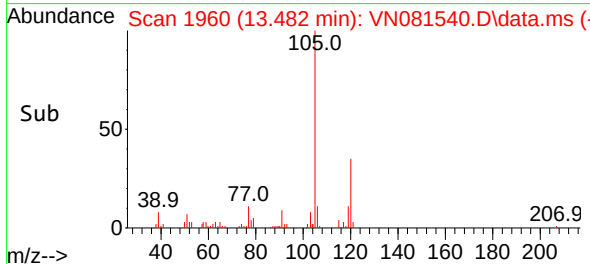
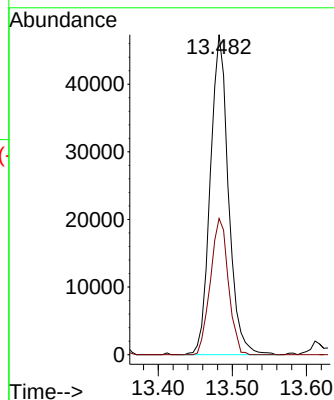
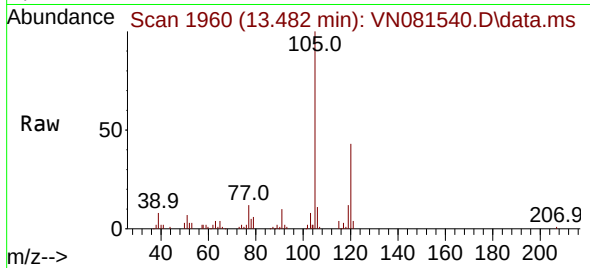




#84
 1,2,4-Trimethylbenzene
 Concen: 3.855 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081540.D
 Acq: 22 Mar 2024 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 S-3DL

Tgt Ion:105 Resp: 80489
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.9 62.7



#95
 Naphthalene
 Concen: 39.554 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN081540.D
 Acq: 22 Mar 2024 12:04

Tgt Ion:128 Resp: 814288
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.0 15.0
 129 11.0 8.7 13.1

