

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081131.D
 Acq On : 22 Feb 2024 13:36
 Operator : JC\MD
 Sample : P1546-06DL 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1329DL

Quant Time: Feb 23 04:23:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	316102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	582004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	514415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220905	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	197093	50.869	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.740%
35) Dibromofluoromethane	8.171	113	164158	49.880	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.760%
50) Toluene-d8	10.571	98	552541	47.270	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.540%
62) 4-Bromofluorobenzene	12.847	95	209331	47.660	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.320%

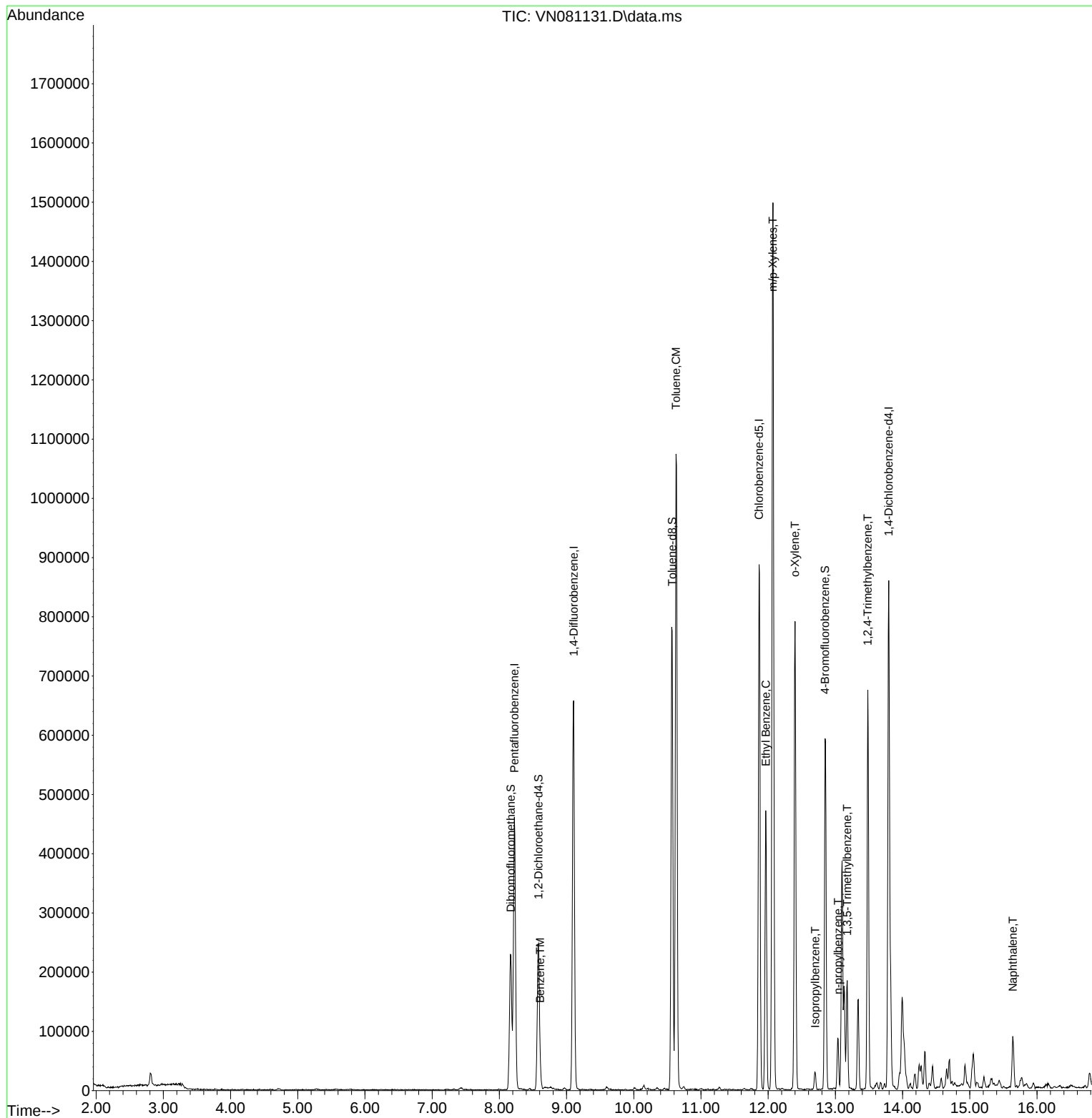
Target Compounds					Qvalue	
40) Benzene	8.606	78	19221	1.178	ug/l	# 88
52) Toluene	10.629	92	485699	47.010	ug/l	97
67) Ethyl Benzene	11.965	91	341242	17.129	ug/l	99
68) m/p-Xylenes	12.071	106	475389	62.254	ug/l	97
69) o-Xylene	12.400	106	226079	29.867	ug/l	94
73) Isopropylbenzene	12.700	105	20079	1.039	ug/l	97
78) n-propylbenzene	13.041	91	70652	3.175	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	97642	6.231	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	367165	23.513	ug/l	93
95) Naphthalene	15.641	128	78618	4.897	ug/l	99

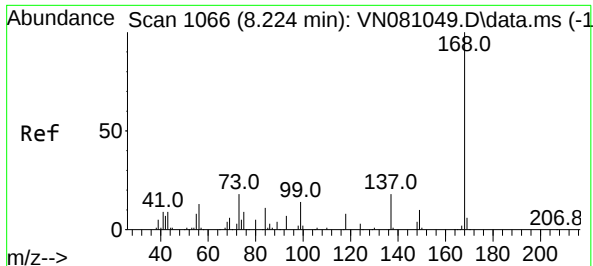
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

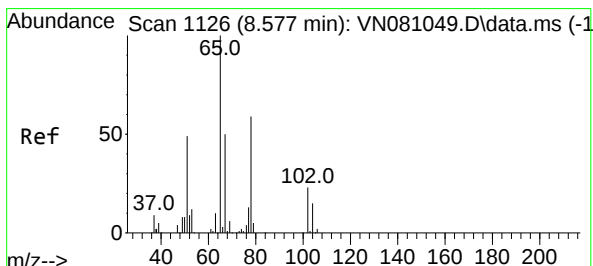
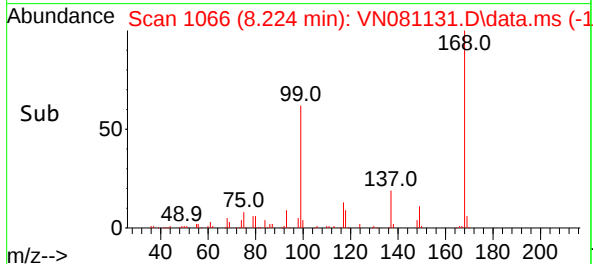
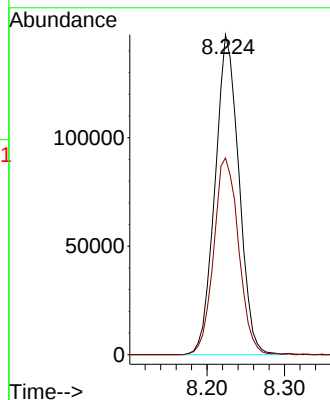
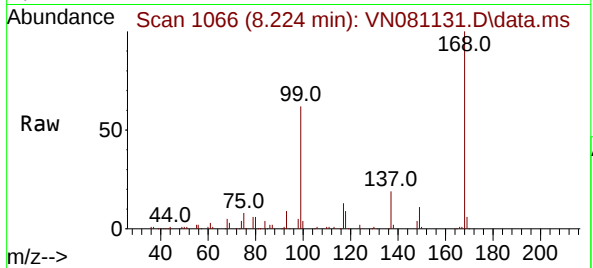




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

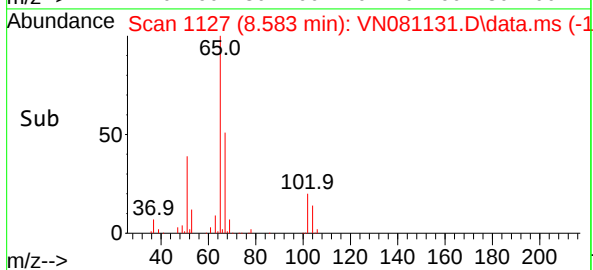
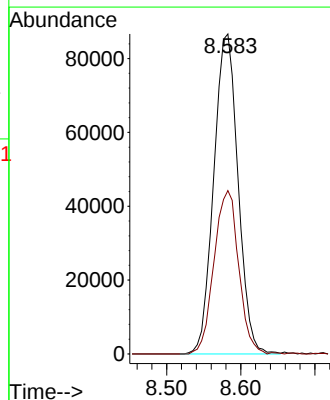
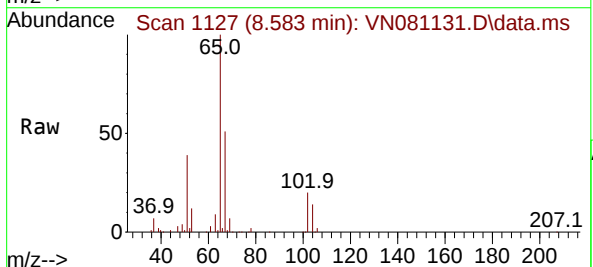
Instrument :
MSVOA_N
ClientSampleId :
1329DL

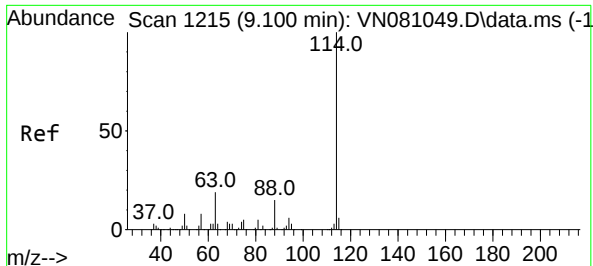
Tgt Ion:168 Resp: 316102
Ion Ratio Lower Upper
168 100
99 61.5 59.9 89.9



#33
1,2-Dichloroethane-d4
Concen: 50.869 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

Tgt Ion: 65 Resp: 197093
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081131.D

Acq: 22 Feb 2024 13:36

Instrument :

MSVOA_N

ClientSampleId :

1329DL

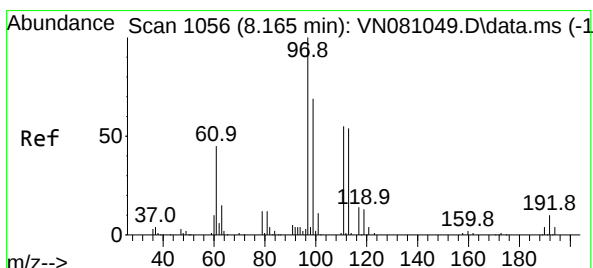
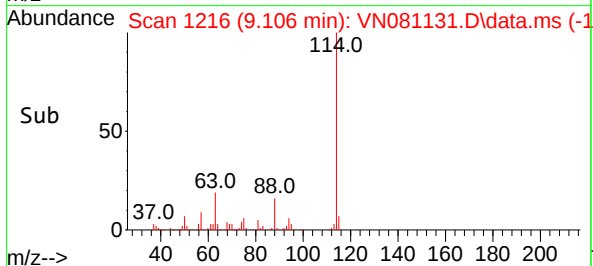
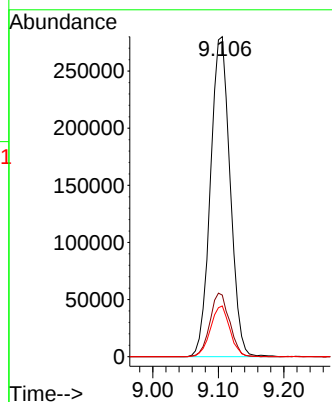
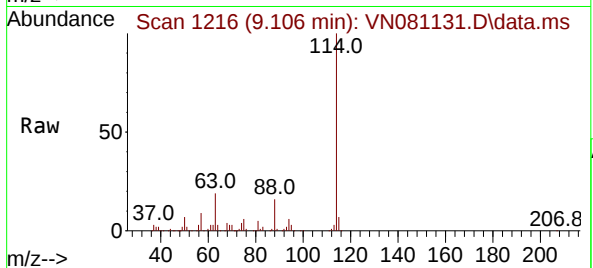
Tgt Ion:114 Resp: 582004

Ion Ratio Lower Upper

114 100

63 19.2 0.0 48.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.880 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081131.D

Acq: 22 Feb 2024 13:36

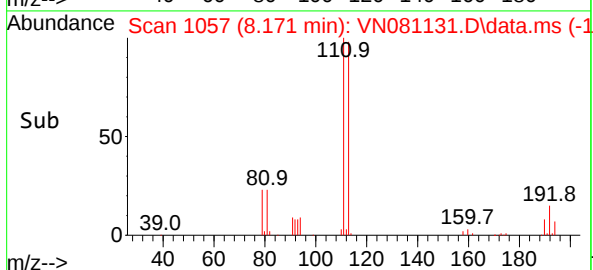
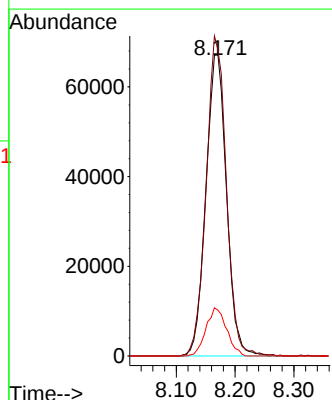
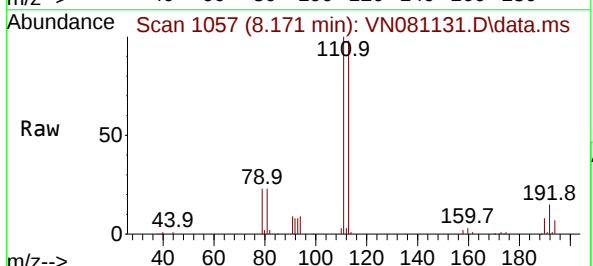
Tgt Ion:113 Resp: 164158

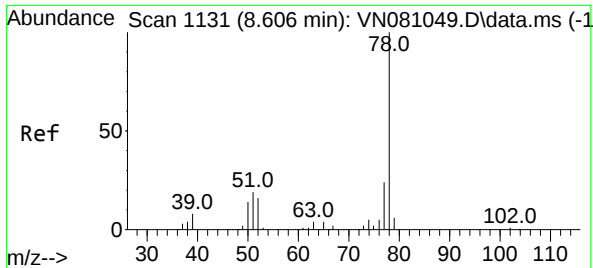
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 15.9 12.5 18.7

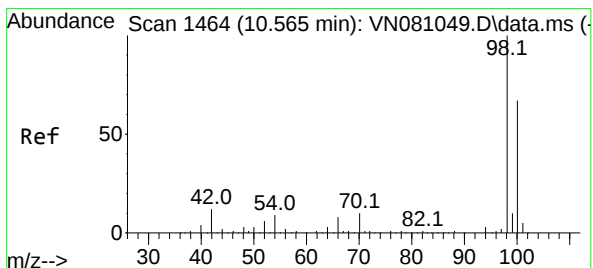
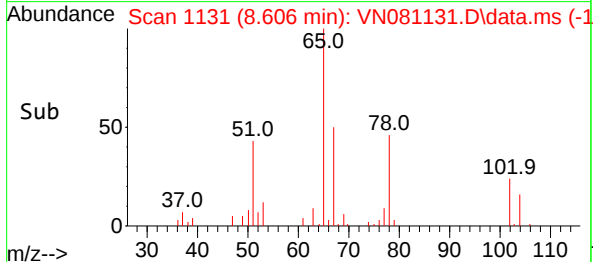
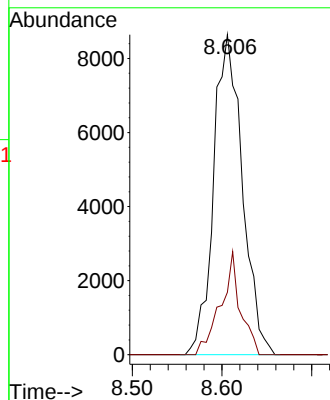
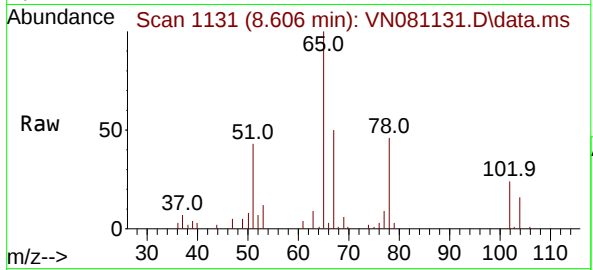




#40
Benzene
Concen: 1.178 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

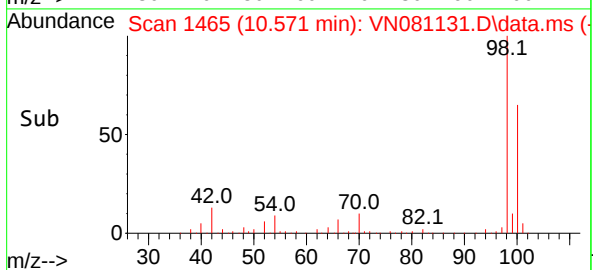
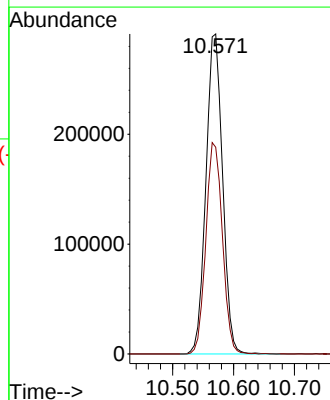
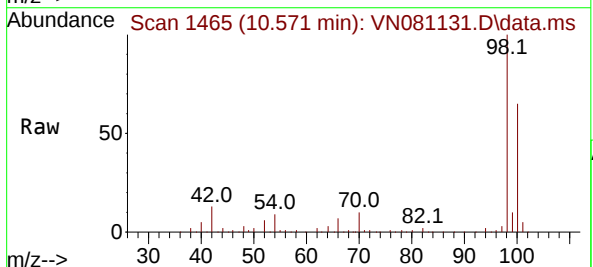
Instrument :
MSVOA_N
ClientSampleId :
1329DL

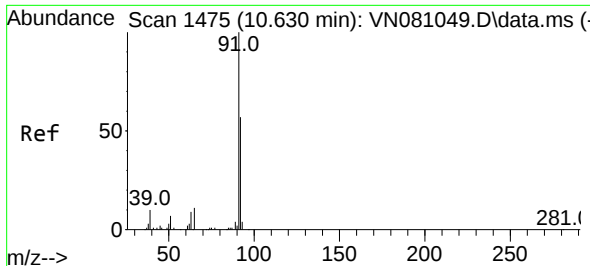
Tgt Ion: 78 Resp: 19221
Ion Ratio Lower Upper
78 100
77 19.5 20.4 30.6#



#50
Toluene-d8
Concen: 47.270 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

Tgt Ion: 98 Resp: 552541
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0

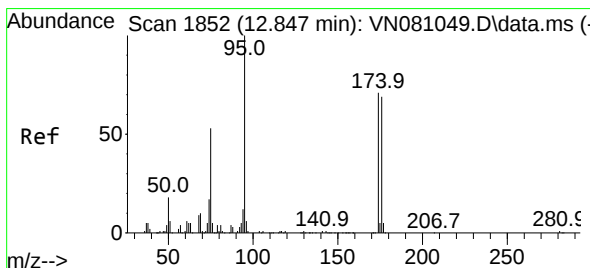
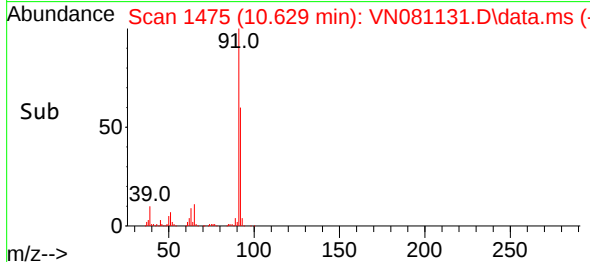
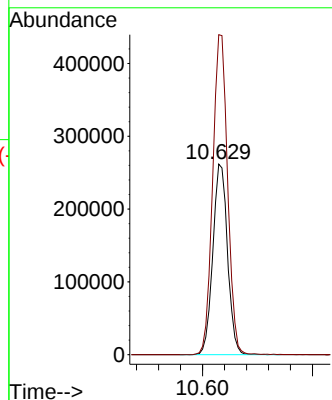
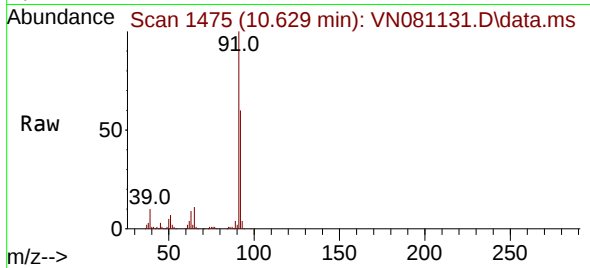




#52
Toluene
Concen: 47.010 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

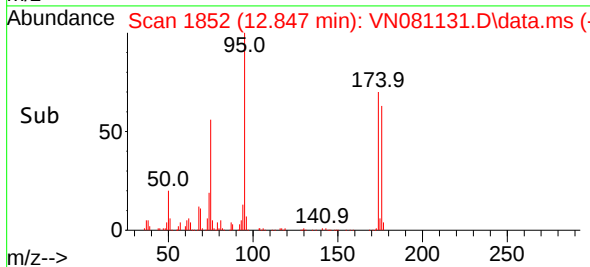
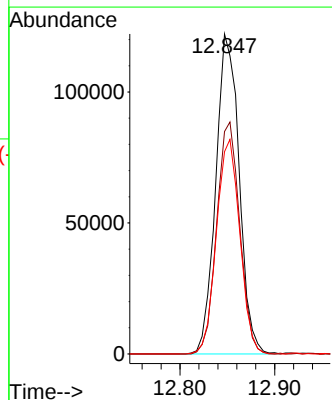
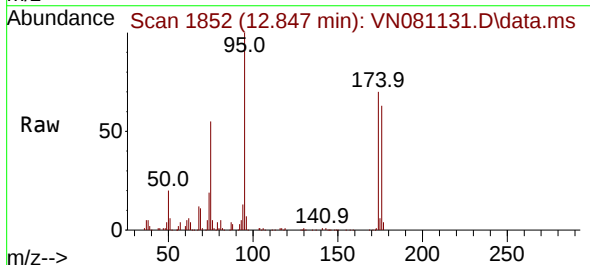
Instrument :
MSVOA_N
ClientSampleId :
1329DL

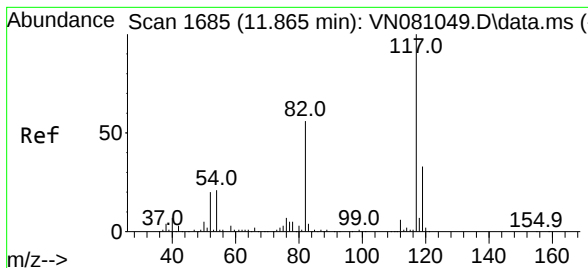
Tgt Ion: 92 Resp: 485699
Ion Ratio Lower Upper
92 100
91 170.3 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 47.660 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

Tgt Ion: 95 Resp: 209331
Ion Ratio Lower Upper
95 100
174 71.4 0.0 120.4
176 67.1 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: VN081131.D

Acq: 22 Feb 2024 13:36

Instrument :

MSVOA_N

ClientSampleId :

1329DL

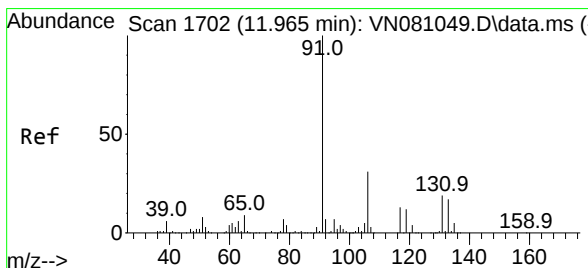
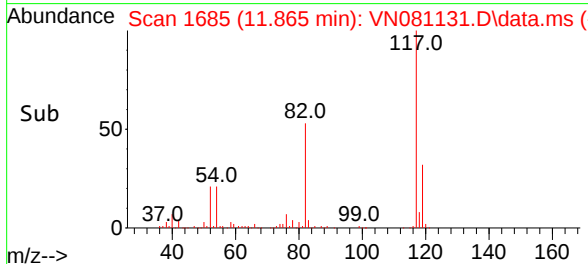
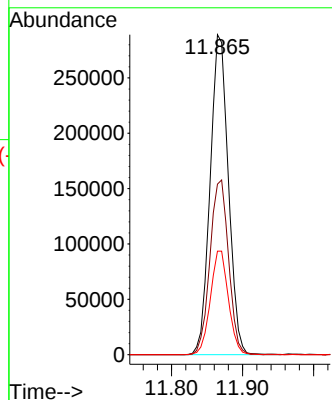
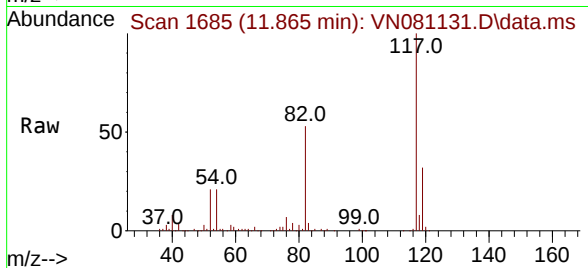
Tgt Ion:117 Resp: 514415

Ion Ratio Lower Upper

117 100

82 53.3 52.7 79.1

119 32.3 25.3 37.9



#67

Ethyl Benzene

Concen: 17.129 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN081131.D

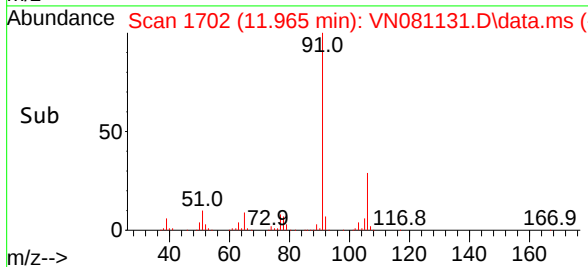
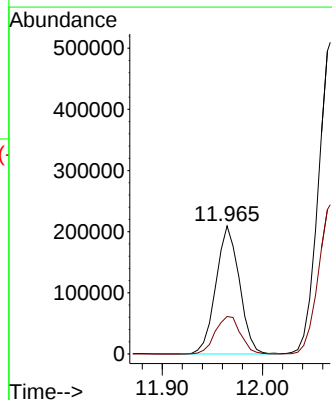
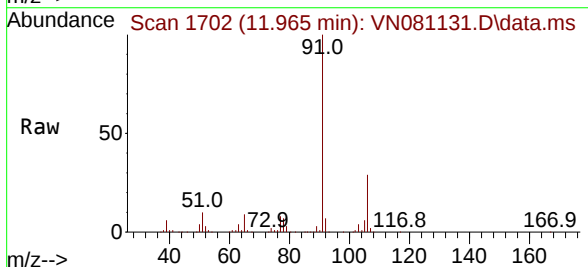
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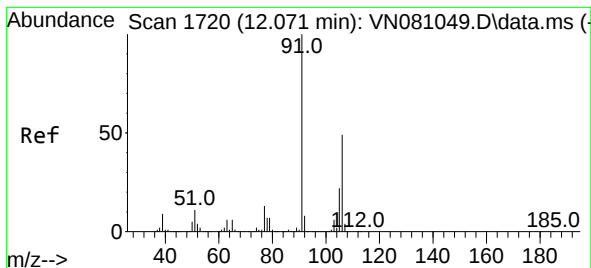
Tgt Ion: 91 Resp: 341242

Ion Ratio Lower Upper

91 100

106 29.3 23.8 35.6





#68

m/p-Xylenes

Concen: 62.254 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN081131.D

Acq: 22 Feb 2024 13:36

Instrument :

MSVOA_N

ClientSampleId :

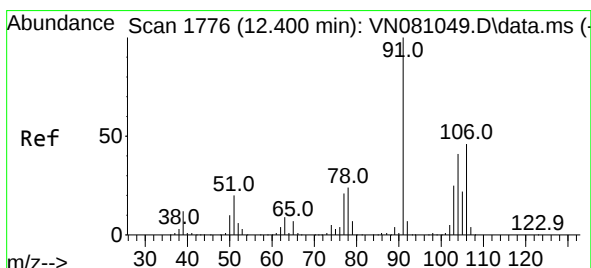
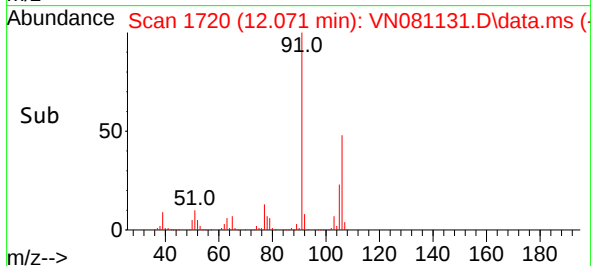
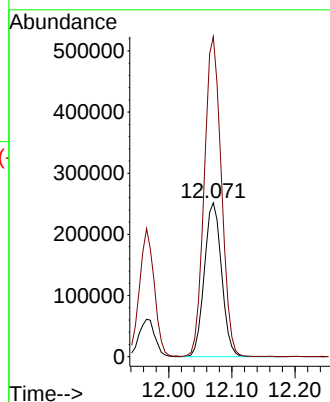
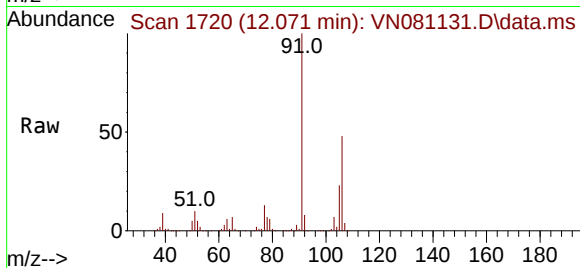
1329DL

Tgt Ion:106 Resp: 475389

Ion Ratio Lower Upper

106 100

91 206.6 169.0 253.6



#69

o-Xylene

Concen: 29.867 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN081131.D

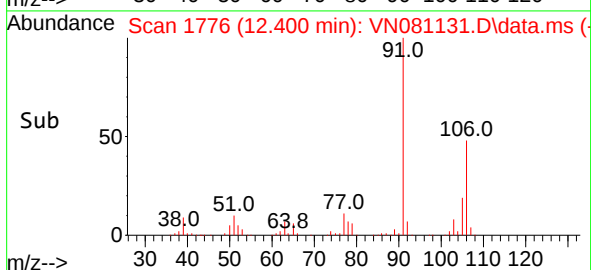
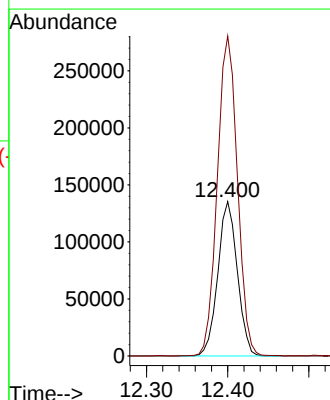
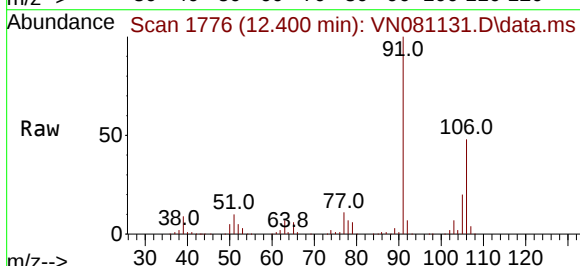
Acq: 22 Feb 2024 13:36

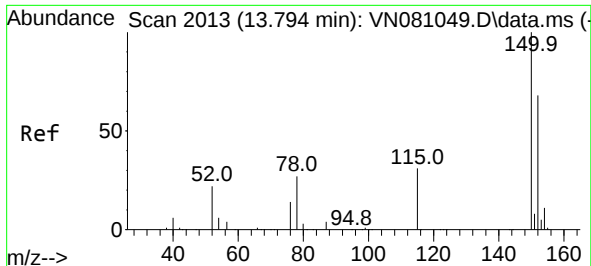
Tgt Ion:106 Resp: 226079

Ion Ratio Lower Upper

106 100

91 214.1 112.1 336.3

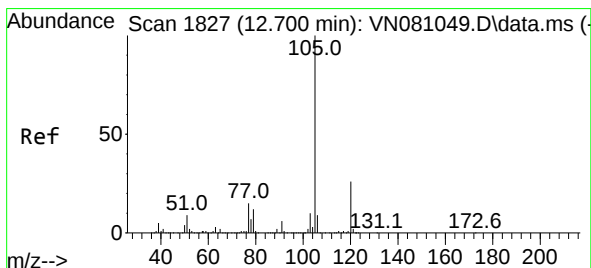
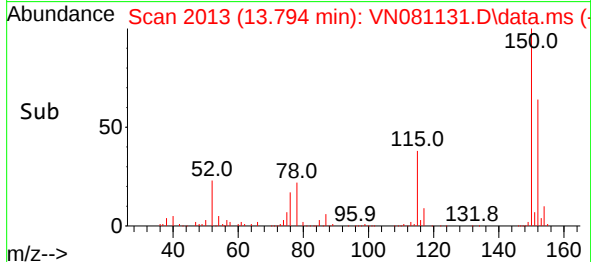
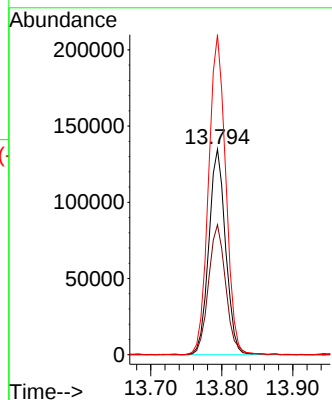
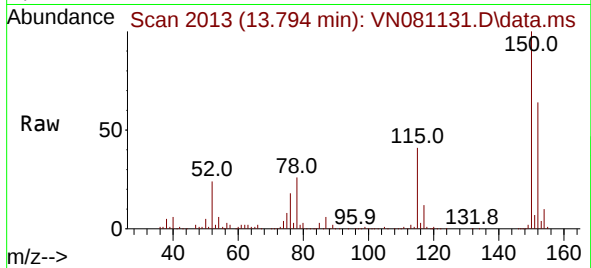




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

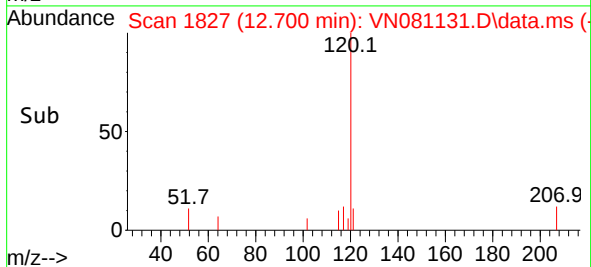
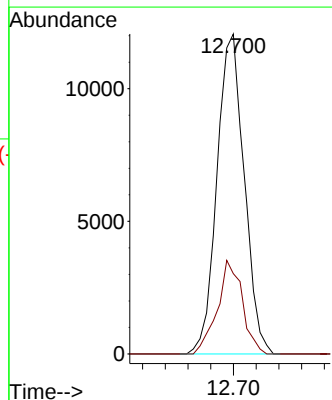
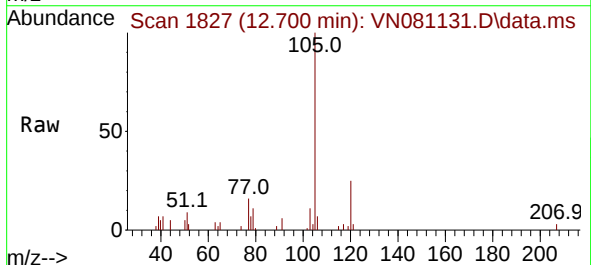
Instrument :
MSVOA_N
ClientSampleId :
1329DL

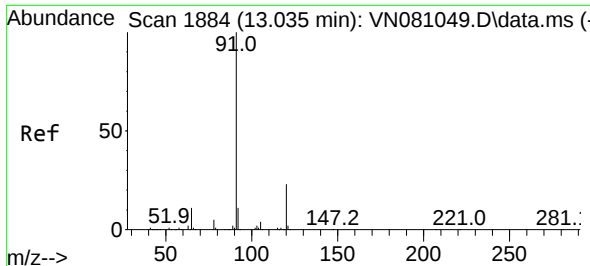
Tgt Ion:152 Resp: 220905
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 159.4 0.0 339.8



#73
Isopropylbenzene
Concen: 1.039 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

Tgt Ion:105 Resp: 20079
Ion Ratio Lower Upper
105 100
120 26.8 12.6 37.6

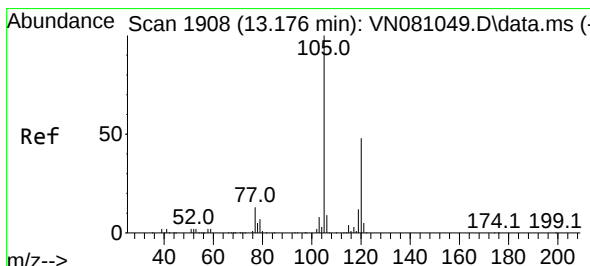
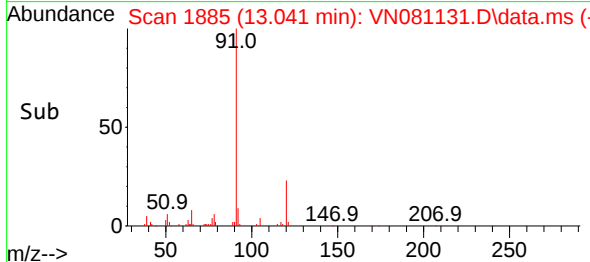
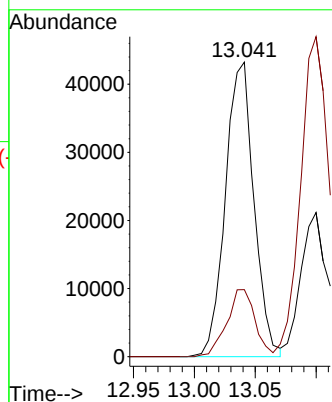
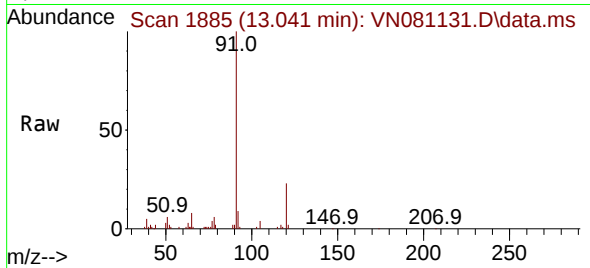




#78
n-propylbenzene
Concen: 3.175 ug/l
RT: 13.041 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

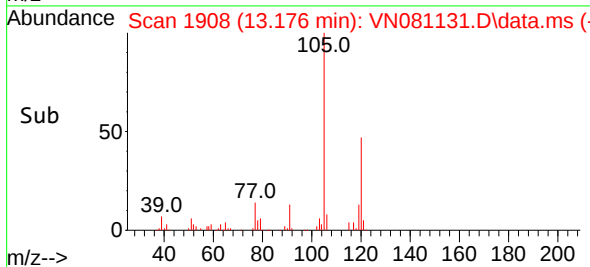
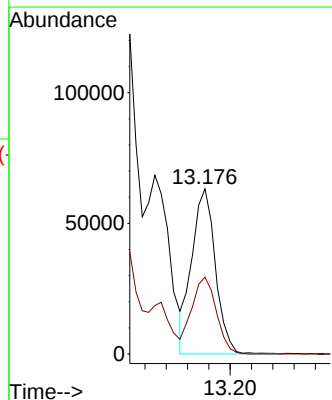
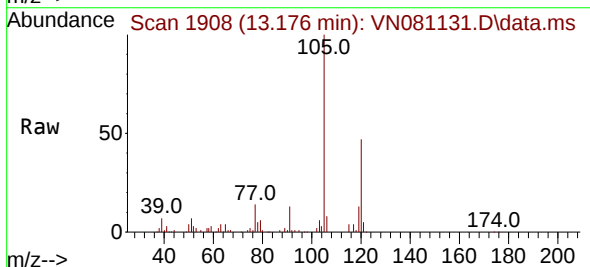
Instrument :
MSVOA_N
ClientSampleId :
1329DL

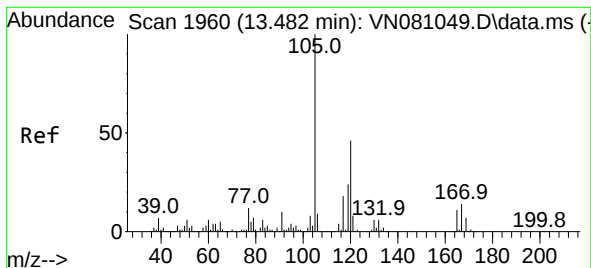
Tgt Ion: 91 Resp: 70652
Ion Ratio Lower Upper
91 100
120 22.5 10.3 30.9



#80
1,3,5-Trimethylbenzene
Concen: 6.231 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN081131.D
Acq: 22 Feb 2024 13:36

Tgt Ion: 105 Resp: 97642
Ion Ratio Lower Upper
105 100
120 48.5 23.0 69.0





#84

1,2,4-Trimethylbenzene

Concen: 23.513 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN081131.D

Acq: 22 Feb 2024 13:36

Instrument :

MSVOA_N

ClientSampleId :

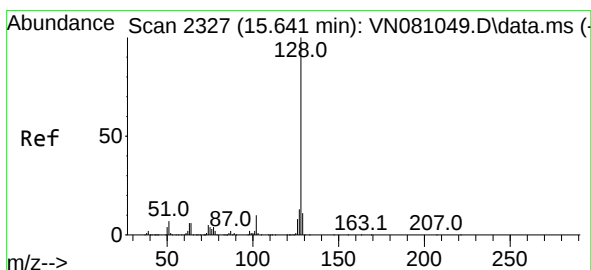
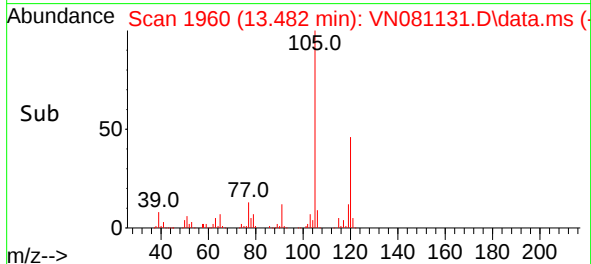
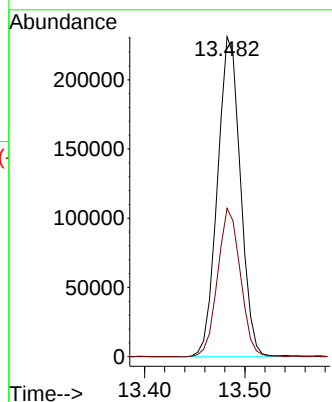
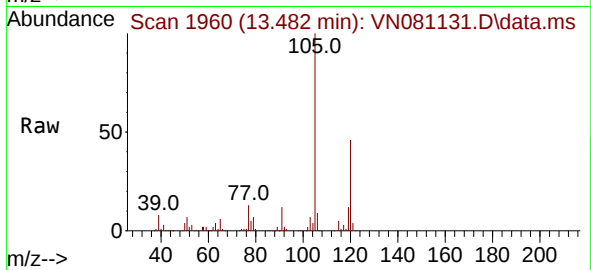
1329DL

Tgt Ion:105 Resp: 367165

Ion Ratio Lower Upper

105 100

120 46.0 20.9 62.7



#95

Naphthalene

Concen: 4.897 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN081131.D

Acq: 22 Feb 2024 13:36

Tgt Ion:128 Resp: 78618

Ion Ratio Lower Upper

128 100

127 11.9 10.0 15.0

129 11.4 8.7 13.1

