

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081133.D
 Acq On : 22 Feb 2024 14:24
 Operator : JC\MD
 Sample : P1540-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1323

Quant Time: Feb 23 04:24:57 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)

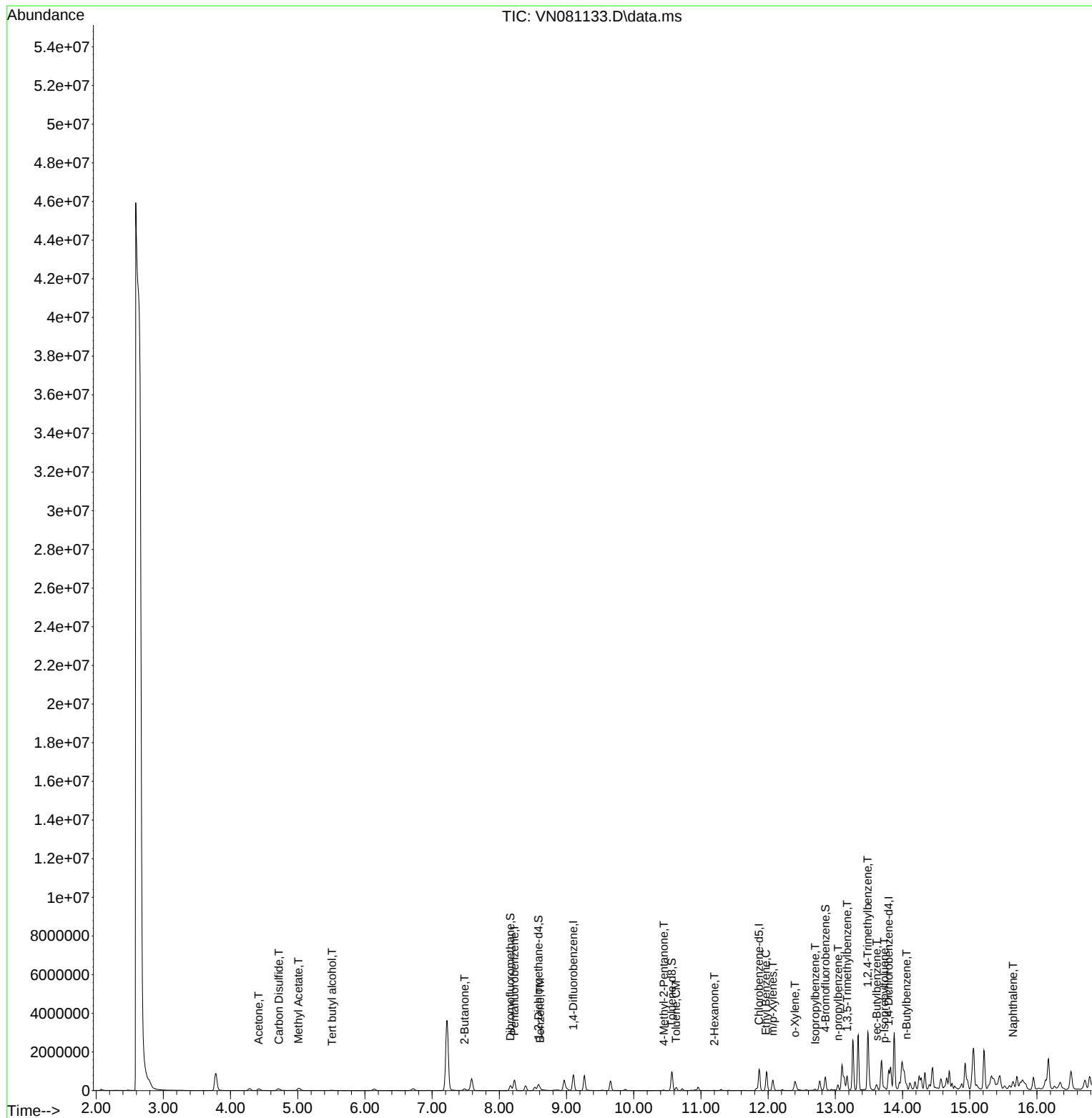
Internal Standards						
1) Pentafluorobenzene	8.224	168	385689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	711467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	635834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	223188	47.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.420%		
35) Dibromofluoromethane	8.165	113	187416	46.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.160%		
50) Toluene-d8	10.565	98	647125	45.288	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.580%		
62) 4-Bromofluorobenzene	12.853	95	237963	44.320	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	34838	40.071	ug/l #	94
16) Acetone	4.418	43	170868	91.857	ug/l	96
17) Carbon Disulfide	4.718	76	197331	16.220	ug/l	97
18) Methyl Acetate	5.012	43	252596	55.665	ug/l #	91
25) 2-Butanone	7.483	43	131642	43.806	ug/l	91
40) Benzene	8.606	78	113495	5.689	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	22608	3.612	ug/l	95
52) Toluene	10.630	92	69166	5.476	ug/l	98
59) 2-Hexanone	11.200	43	12064	2.431	ug/l	97
67) Ethyl Benzene	11.965	91	83880	3.406	ug/l	96
68) m/p-Xylenes	12.071	106	165692	17.555	ug/l	94
69) o-Xylene	12.400	106	123611	13.212	ug/l	95
73) Isopropylbenzene	12.700	105	43035	2.003	ug/l	96
78) n-propylbenzene	13.041	91	226889	9.172	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	377171	21.649	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	1726956	99.473	ug/l	95
85) sec-Butylbenzene	13.618	105	79757	3.808	ug/l #	79
86) p-Isopropyltoluene	13.729	119	66289	3.811	ug/l	93
89) n-Butylbenzene	14.059	91	142273	9.388	ug/l #	85
95) Naphthalene	15.647	128	338828	18.982	ug/l	99

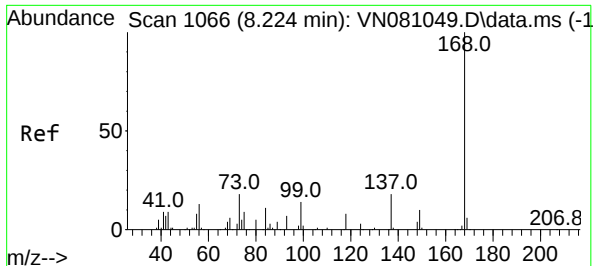
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
Data File : VN081133.D
Acq On : 22 Feb 2024 14:24
Operator : JC\MD
Sample : P1540-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

Quant Time: Feb 23 04:24:57 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

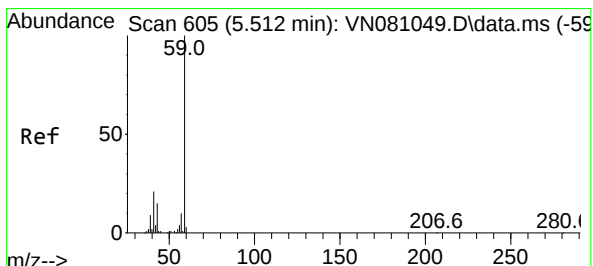
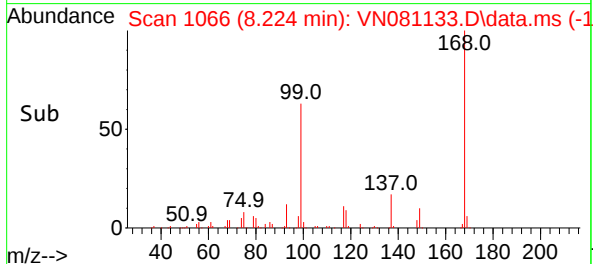
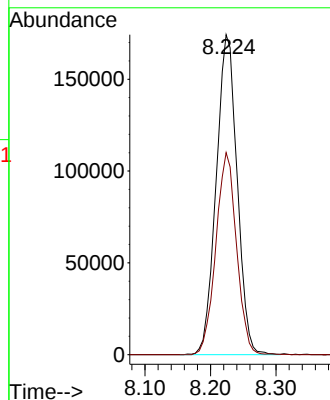
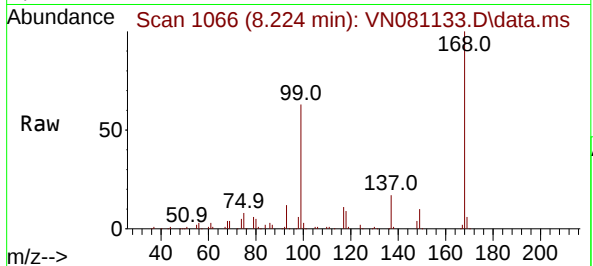




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

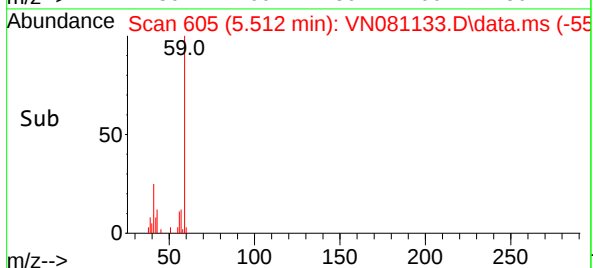
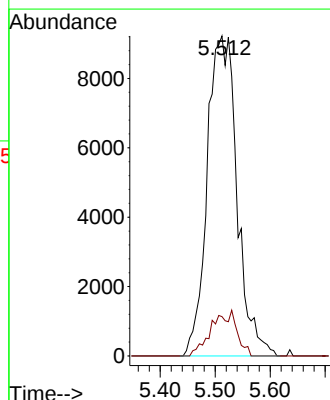
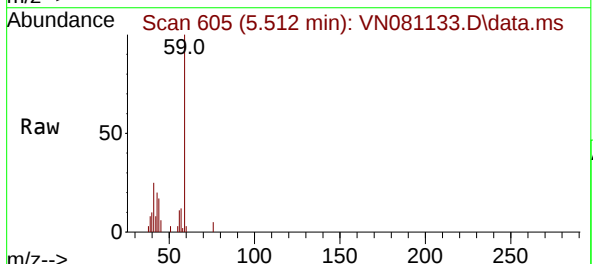
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

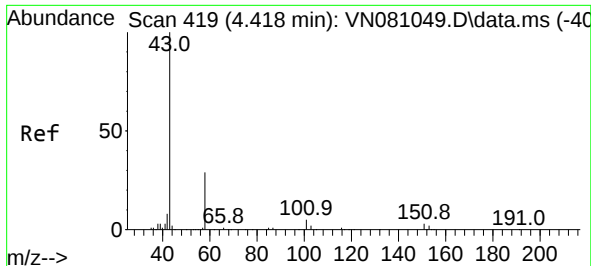
Tgt Ion:168 Resp: 385689
Ion Ratio Lower Upper
168 100
99 63.2 59.9 89.9



#11
Tert butyl alcohol
Concen: 40.071 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion: 59 Resp: 34838
Ion Ratio Lower Upper
59 100
57 8.4 8.6 12.8#

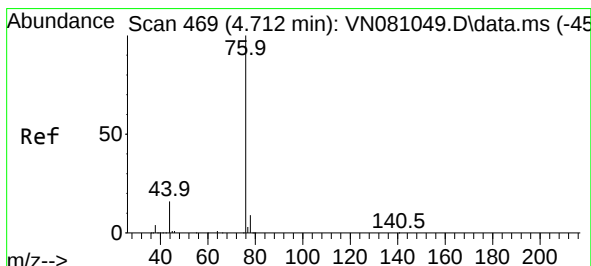
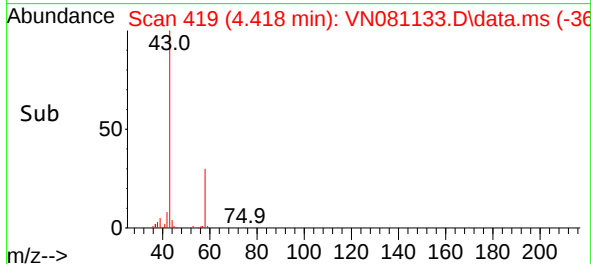
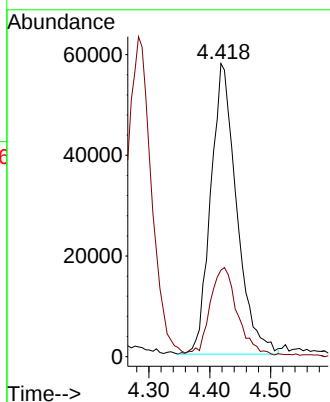
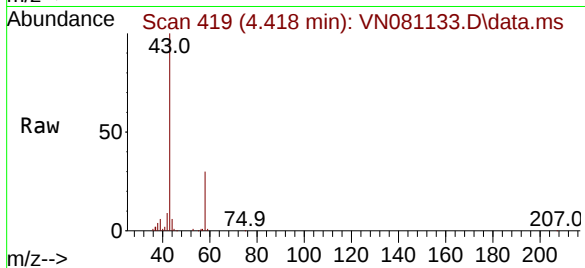




#16
Acetone
Concen: 91.857 ug/l
RT: 4.418 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

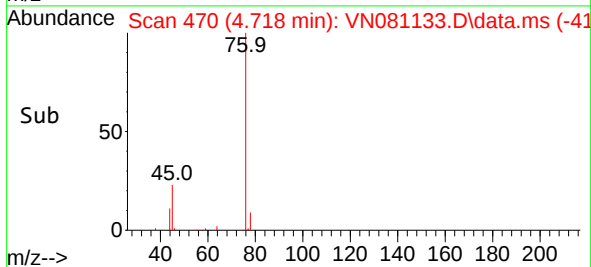
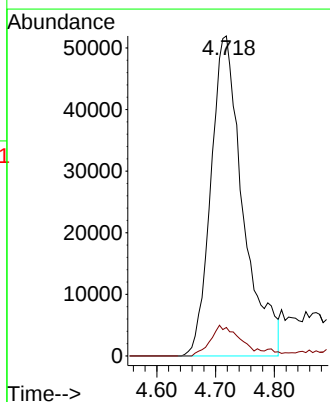
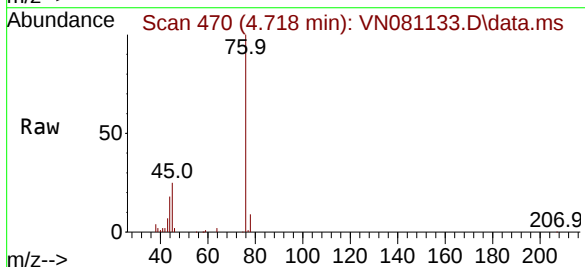
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

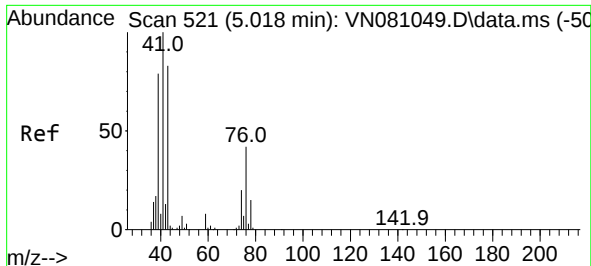
Tgt Ion: 43 Resp: 170868
Ion Ratio Lower Upper
43 100
58 28.7 24.8 37.2



#17
Carbon Disulfide
Concen: 16.220 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion: 76 Resp: 197331
Ion Ratio Lower Upper
76 100
78 8.9 6.3 9.5

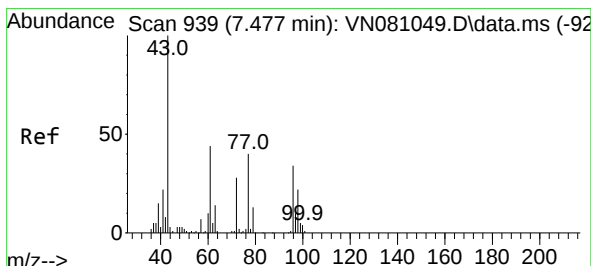
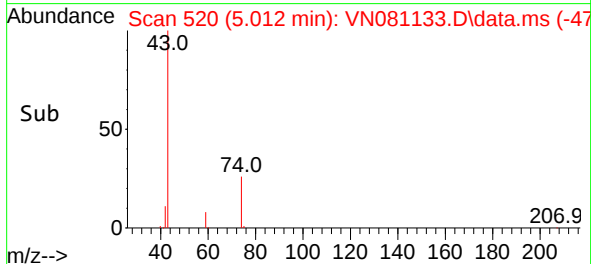
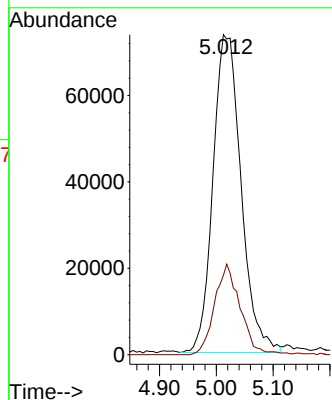
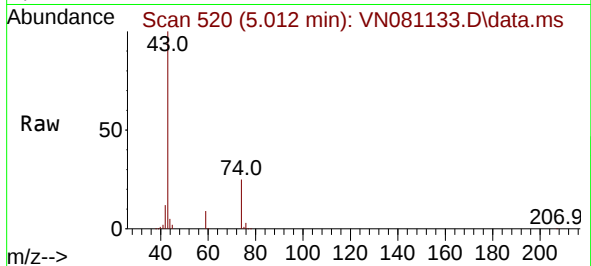




#18
Methyl Acetate
Concen: 55.665 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

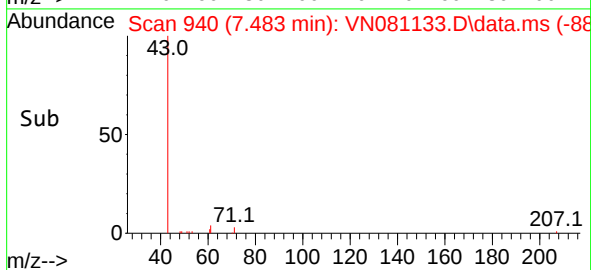
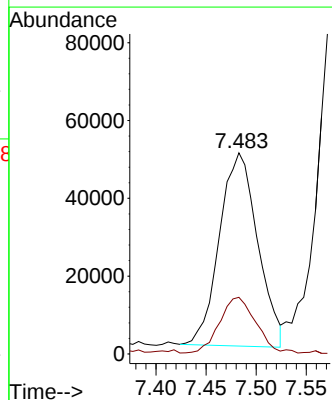
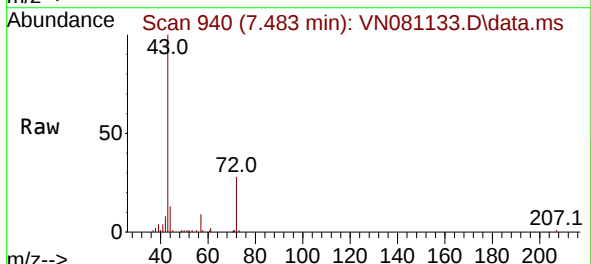
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

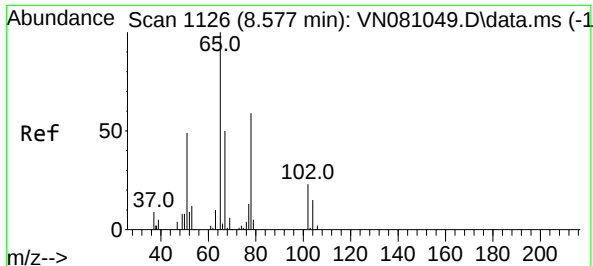
Tgt Ion: 43 Resp: 252596
Ion Ratio Lower Upper
43 100
74 26.0 17.3 25.9#



#25
2-Butanone
Concen: 43.806 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion: 43 Resp: 131642
Ion Ratio Lower Upper
43 100
72 29.1 19.5 29.3





#33

1,2-Dichloroethane-d4

Concen: 47.211 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081133.D

Acq: 22 Feb 2024 14:24

Instrument :

MSVOA_N

ClientSampleId :

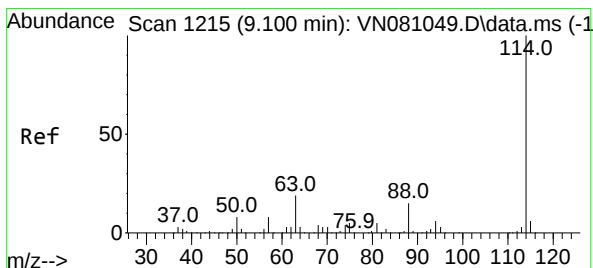
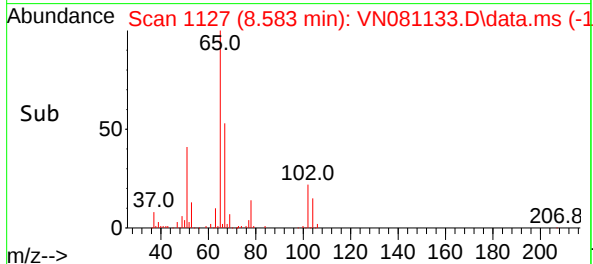
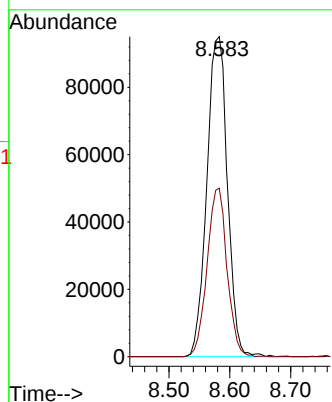
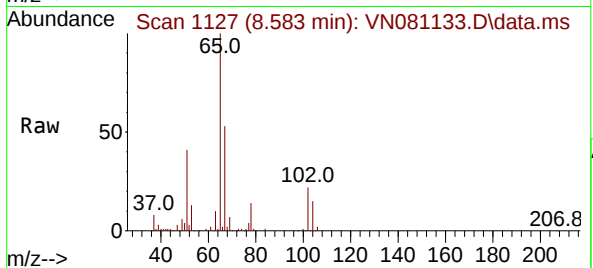
AUD-1323

Tgt Ion: 65 Resp: 223188

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081133.D

Acq: 22 Feb 2024 14:24

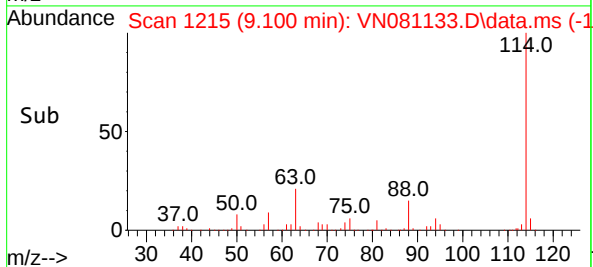
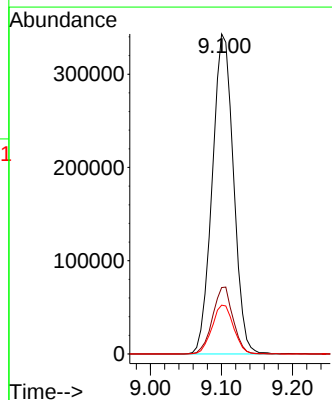
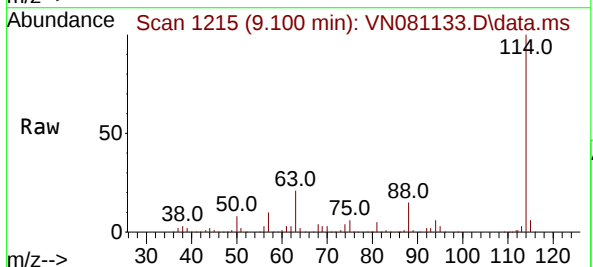
Tgt Ion: 114 Resp: 711467

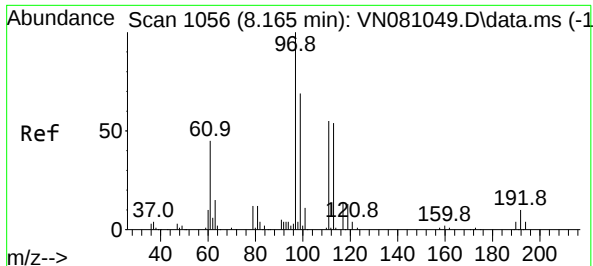
Ion Ratio Lower Upper

114 100

63 20.7 0.0 48.0

88 15.2 0.0 34.8

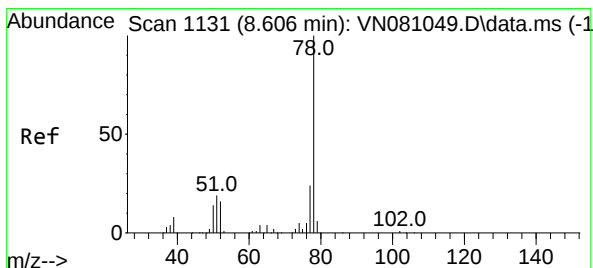
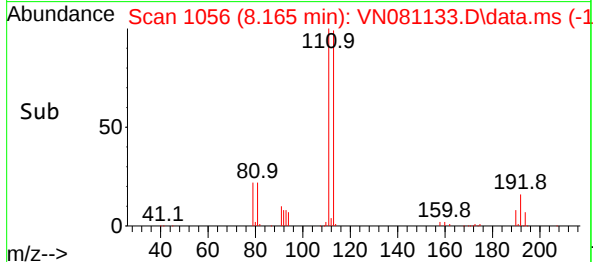
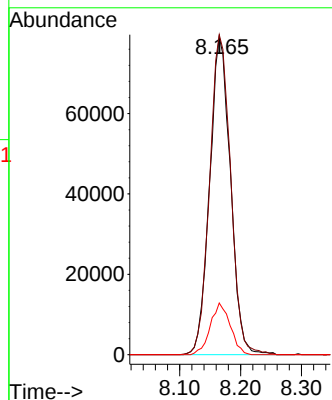
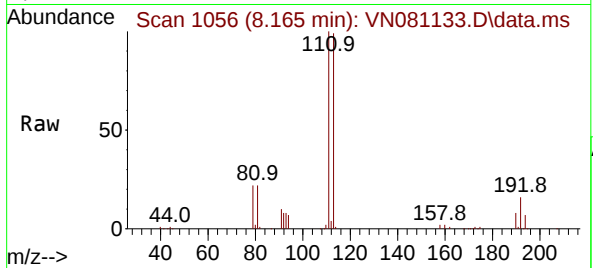




#35
Dibromofluoromethane
Concen: 46.585 ug/l
RT: 8.165 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

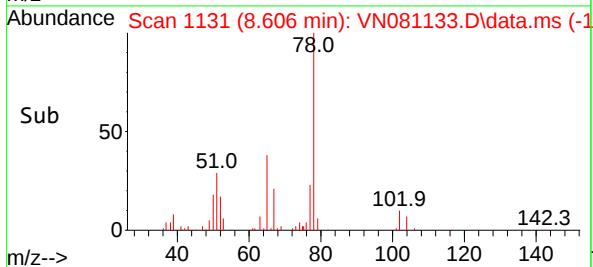
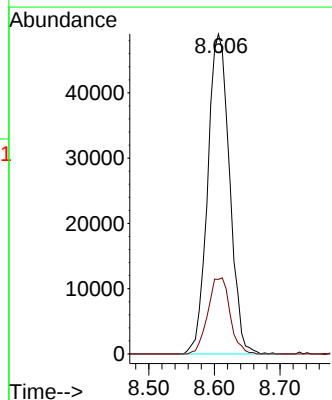
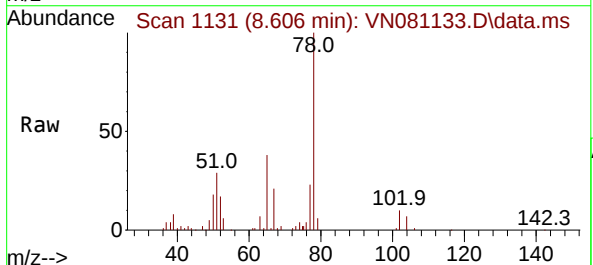
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

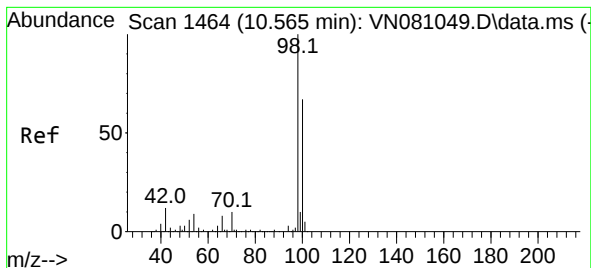
Tgt Ion:113 Resp: 187416
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 15.6 12.5 18.7



#40
Benzene
Concen: 5.689 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion: 78 Resp: 113495
Ion Ratio Lower Upper
78 100
77 23.3 20.4 30.6





#50

Toluene-d8

Concen: 45.288 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081133.D

Acq: 22 Feb 2024 14:24

Instrument :

MSVOA_N

ClientSampleId :

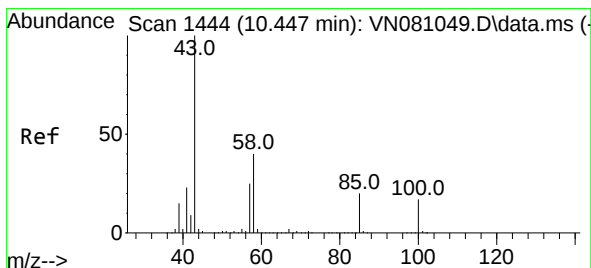
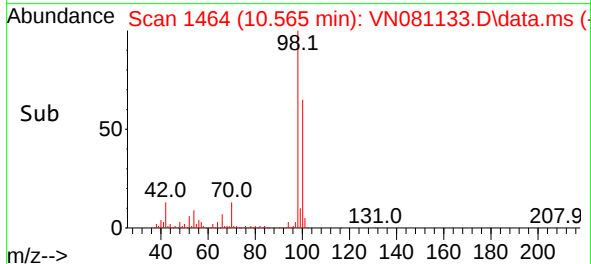
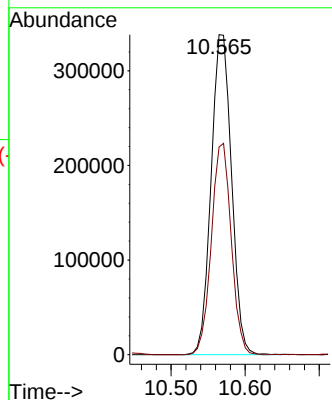
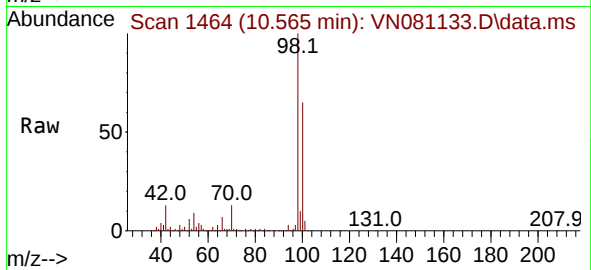
AUD-1323

Tgt Ion: 98 Resp: 647125

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 3.612 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN081133.D

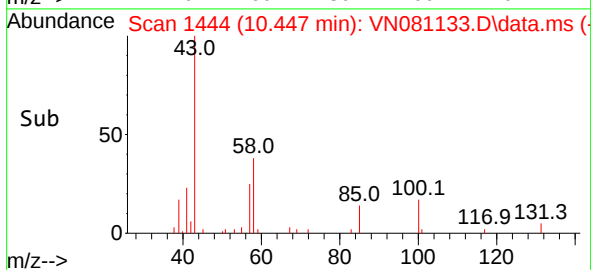
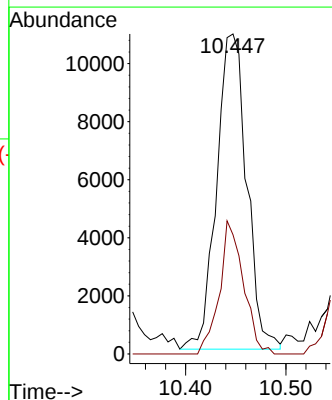
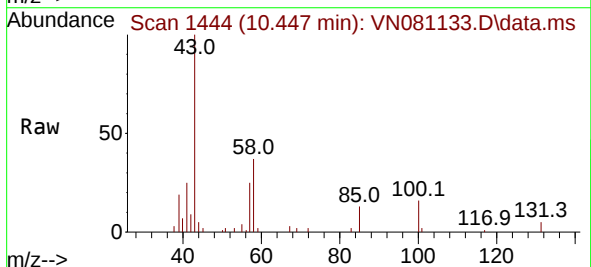
Acq: 22 Feb 2024 14:24

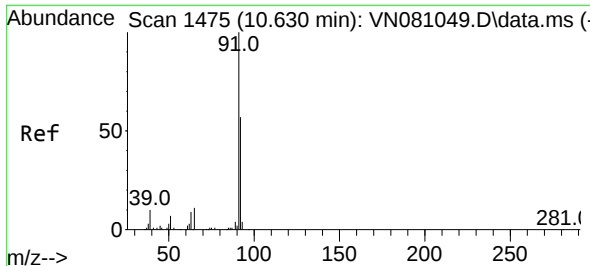
Tgt Ion: 43 Resp: 22608

Ion Ratio Lower Upper

43 100

58 33.6 29.4 44.0

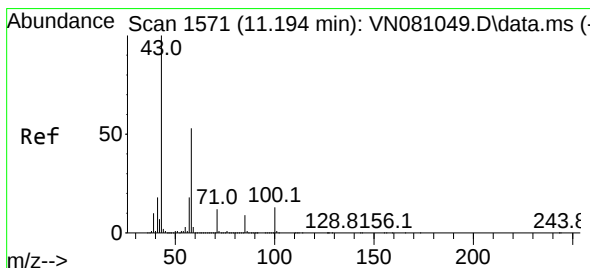
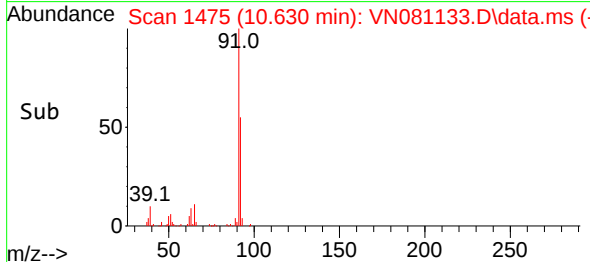
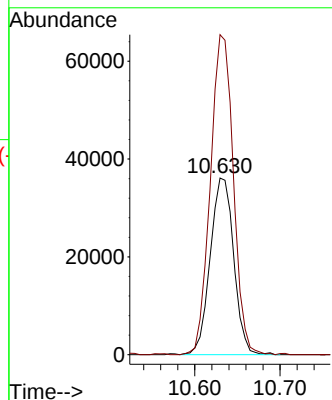
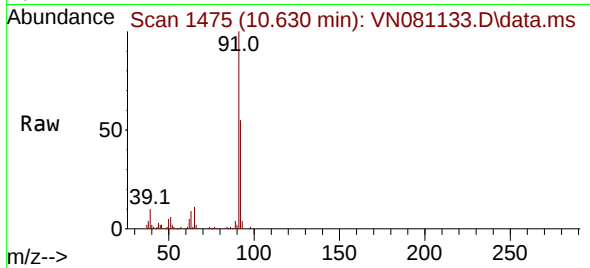




#52
Toluene
Concen: 5.476 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

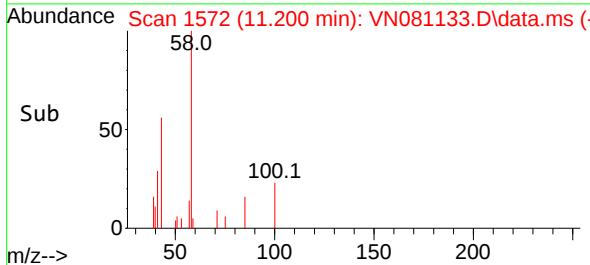
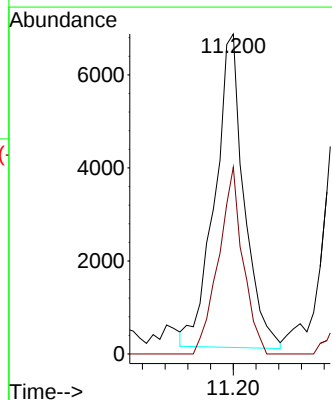
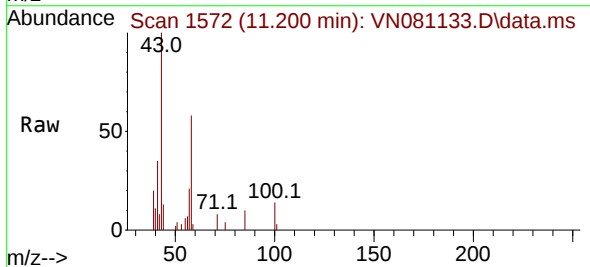
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

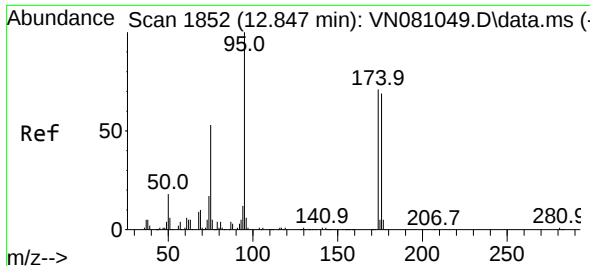
Tgt Ion: 92 Resp: 69166
Ion Ratio Lower Upper
92 100
91 177.4 139.4 209.0



#59
2-Hexanone
Concen: 2.431 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion: 43 Resp: 12064
Ion Ratio Lower Upper
43 100
58 49.7 25.9 77.8

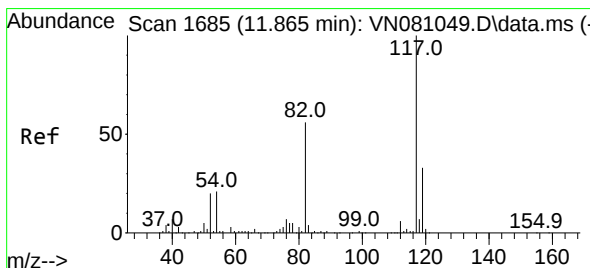
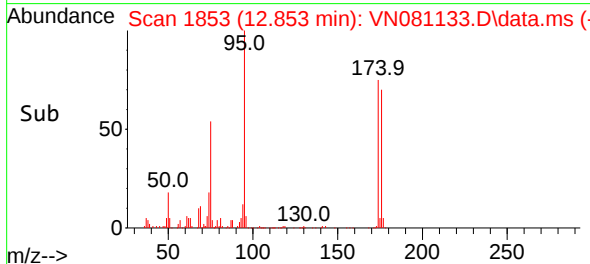
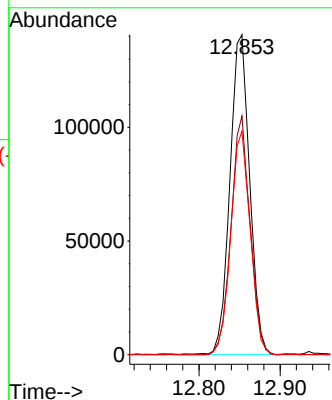
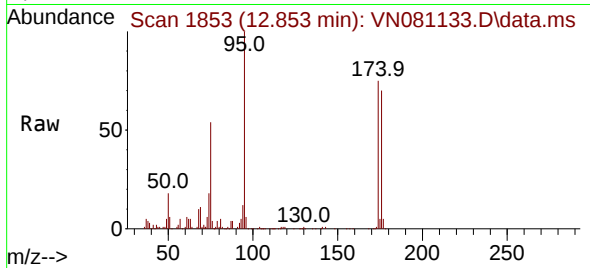




#62
4-Bromofluorobenzene
Concen: 44.320 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

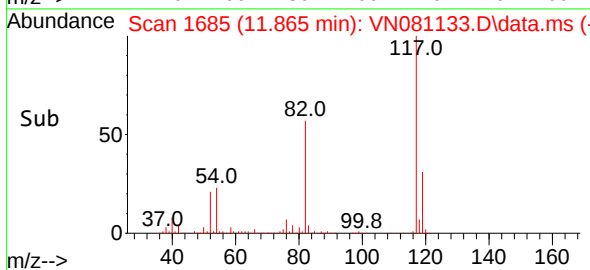
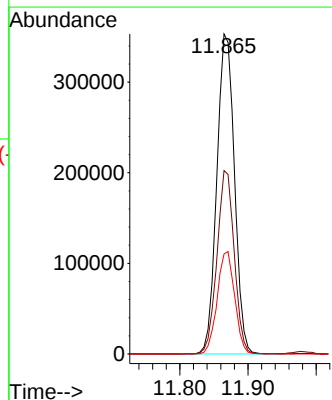
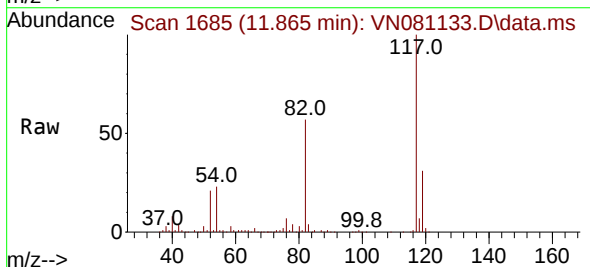
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

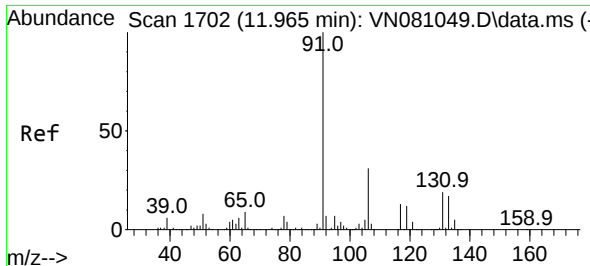
Tgt Ion: 95 Resp: 237963
Ion Ratio Lower Upper
95 100
174 72.0 0.0 120.4
176 68.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion: 117 Resp: 635834
Ion Ratio Lower Upper
117 100
82 57.3 52.7 79.1
119 31.2 25.3 37.9

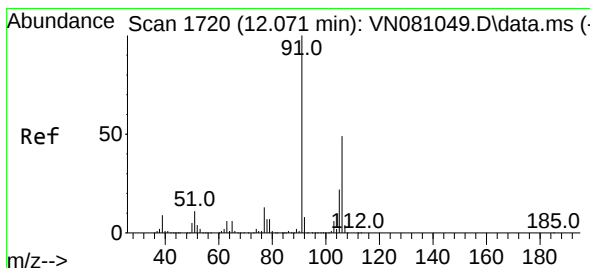
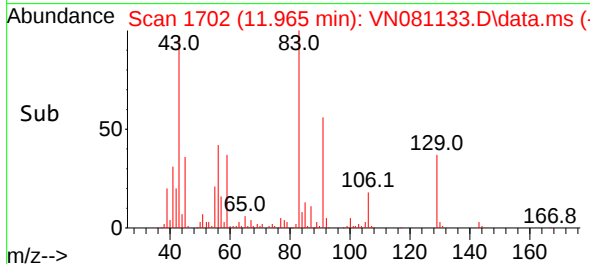
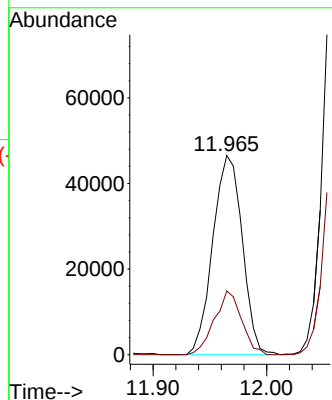
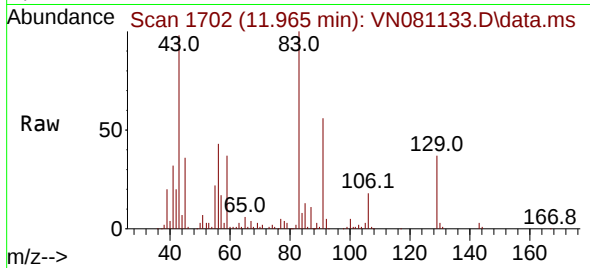




#67
Ethyl Benzene
Concen: 3.406 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

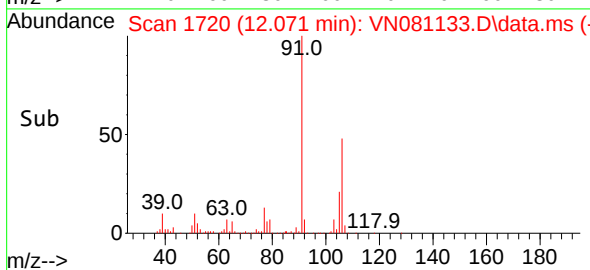
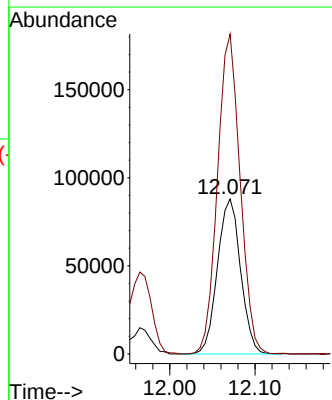
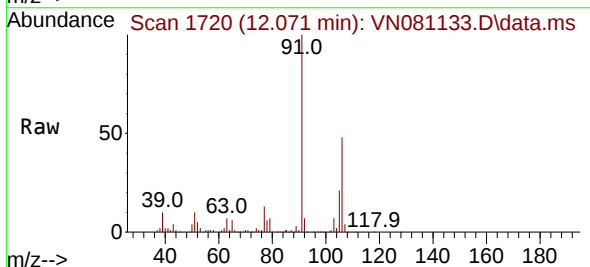
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

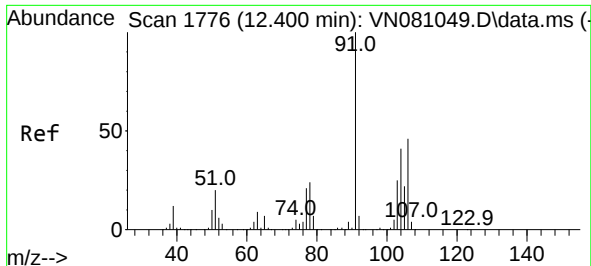
Tgt Ion: 91 Resp: 83880
Ion Ratio Lower Upper
91 100
106 32.0 23.8 35.6



#68
m/p-Xylenes
Concen: 17.555 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion:106 Resp: 165692
Ion Ratio Lower Upper
106 100
91 202.3 169.0 253.6

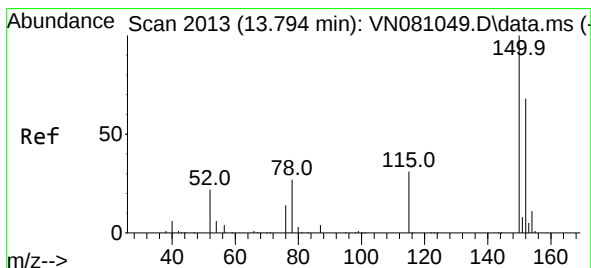
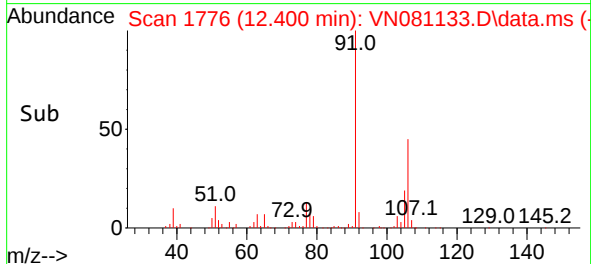
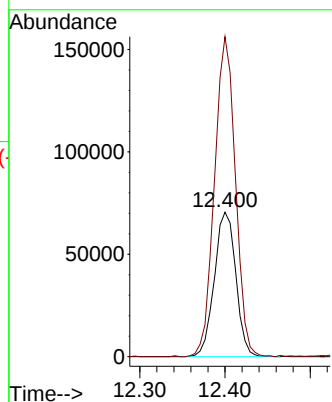
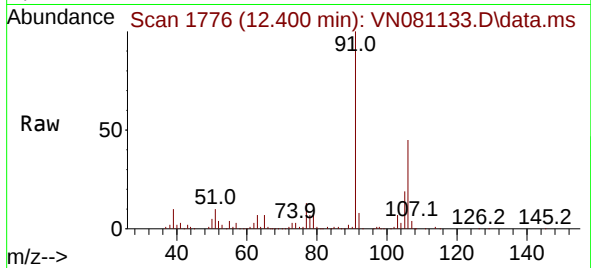




#69
o-Xylene
Concen: 13.212 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

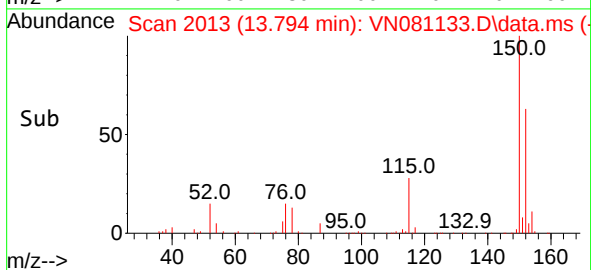
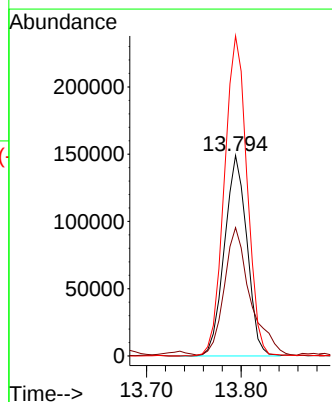
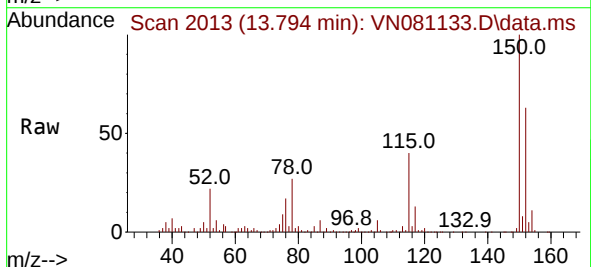
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

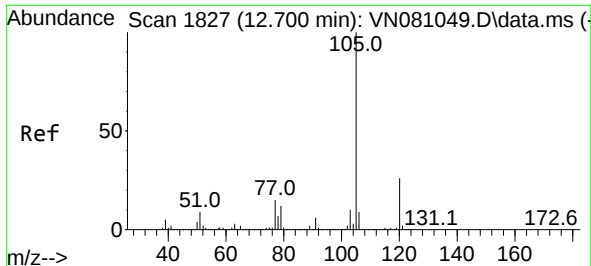
Tgt Ion:106 Resp: 123611
Ion Ratio Lower Upper
106 100
91 215.9 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion:152 Resp: 245596
Ion Ratio Lower Upper
152 100
115 73.1 32.3 96.8
150 161.2 0.0 339.8

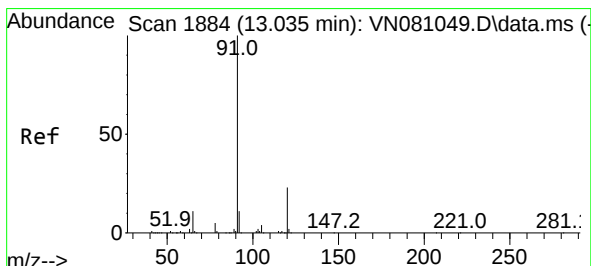
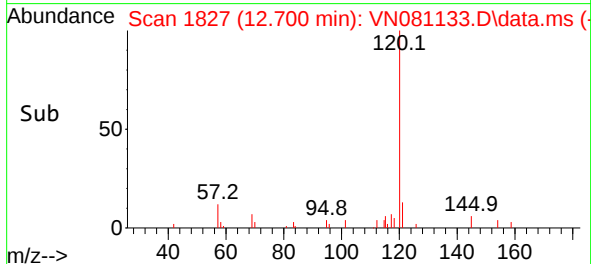
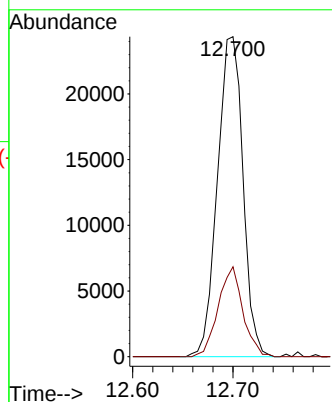
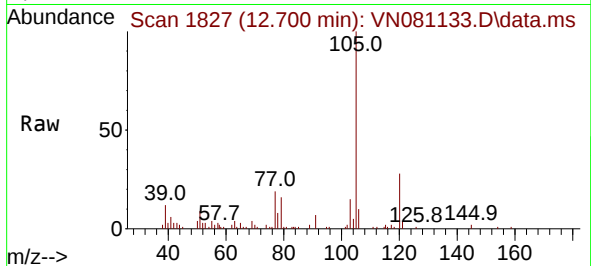




#73
Isopropylbenzene
Concen: 2.003 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

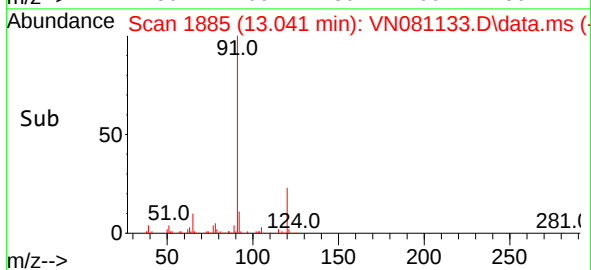
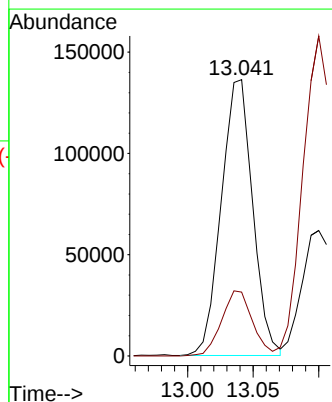
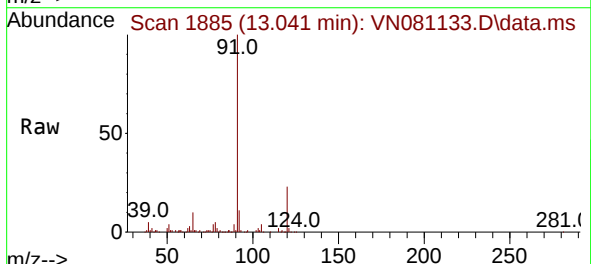
Instrument :
MSVOA_N
ClientSampleId :
AUD-1323

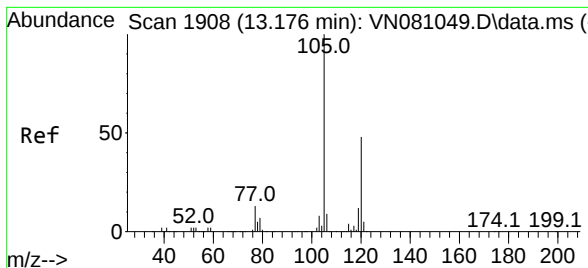
Tgt Ion:105 Resp: 43035
Ion Ratio Lower Upper
105 100
120 27.2 12.6 37.6



#78
n-propylbenzene
Concen: 9.172 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VN081133.D
Acq: 22 Feb 2024 14:24

Tgt Ion: 91 Resp: 226889
Ion Ratio Lower Upper
91 100
120 23.2 10.3 30.9





#80

1,3,5-Trimethylbenzene

Concen: 21.649 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN081133.D

Acq: 22 Feb 2024 14:24

Instrument :

MSVOA_N

ClientSampleId :

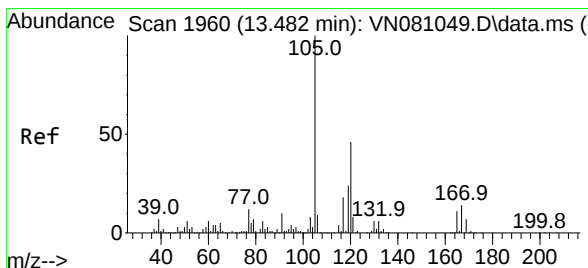
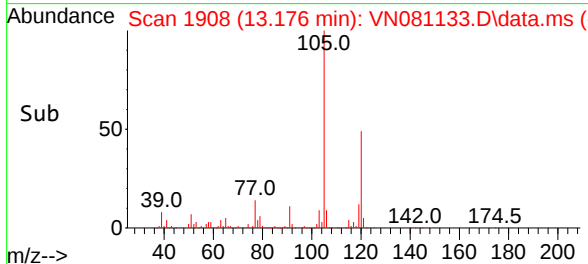
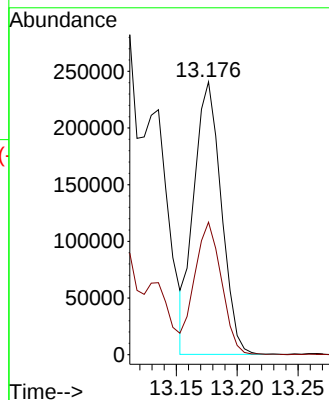
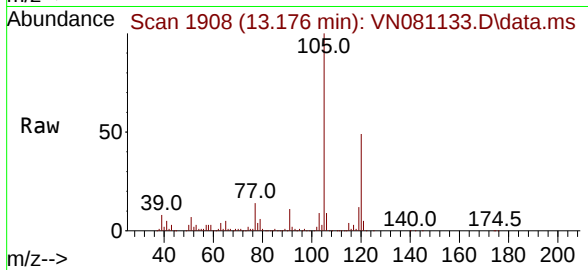
AUD-1323

Tgt Ion:105 Resp: 377171

Ion Ratio Lower Upper

105 100

120 47.8 23.0 69.0



#84

1,2,4-Trimethylbenzene

Concen: 99.473 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081133.D

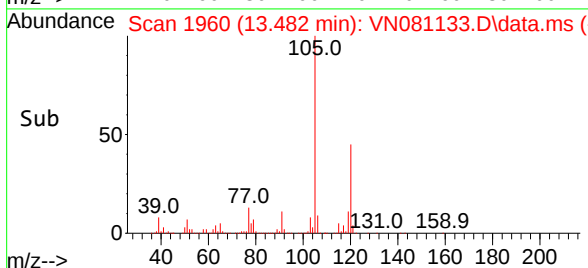
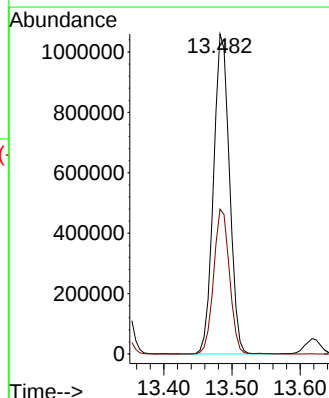
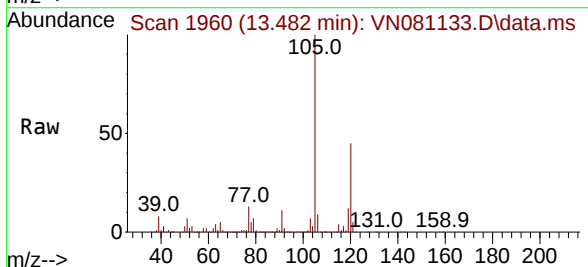
Acq: 22 Feb 2024 14:24

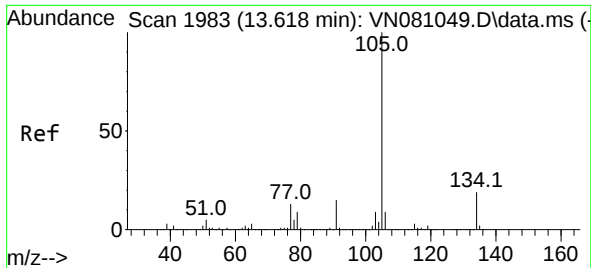
Tgt Ion:105 Resp: 1726956

Ion Ratio Lower Upper

105 100

120 44.9 20.9 62.7

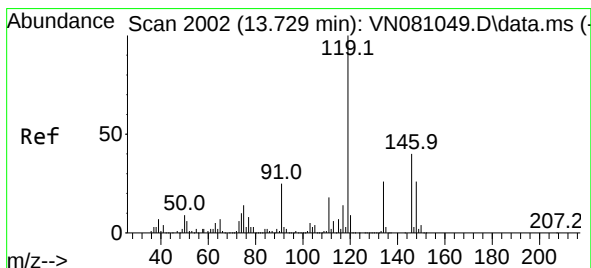
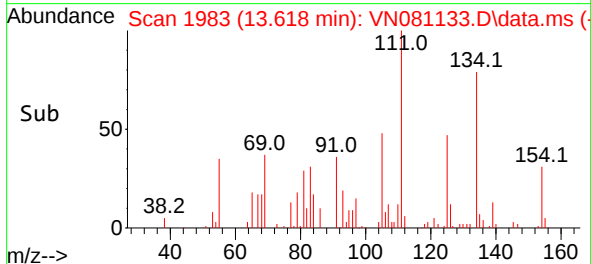
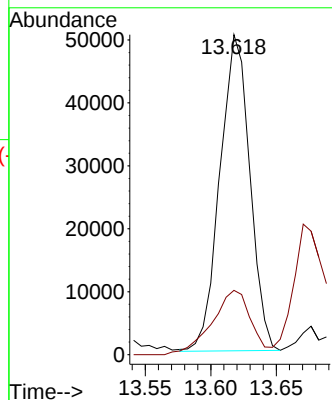
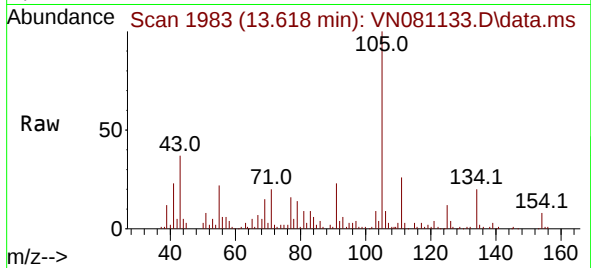




#85
 sec-Butylbenzene
 Concen: 3.808 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN081133.D
 Acq: 22 Feb 2024 14:24

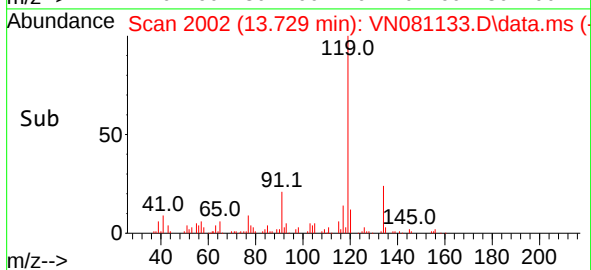
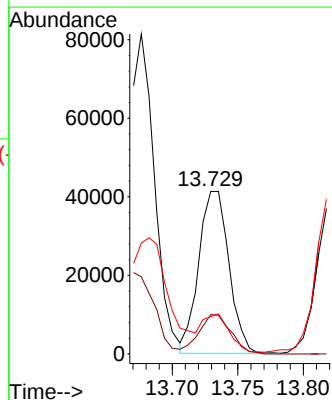
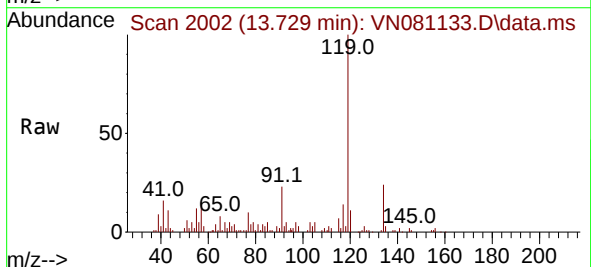
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1323

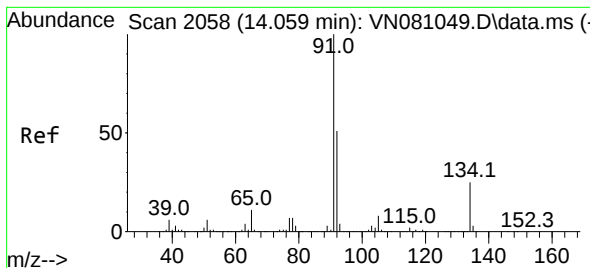
Tgt Ion:105 Resp: 79757
 Ion Ratio Lower Upper
 105 100
 134 26.5 8.6 25.8#



#86
 p-Isopropyltoluene
 Concen: 3.811 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN081133.D
 Acq: 22 Feb 2024 14:24

Tgt Ion:119 Resp: 66289
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.4 37.2
 91 20.7 13.5 40.4





#89

n-Butylbenzene

Concen: 9.388 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN081133.D

Acq: 22 Feb 2024 14:24

Instrument :

MSVOA_N

ClientSampleId :

AUD-1323

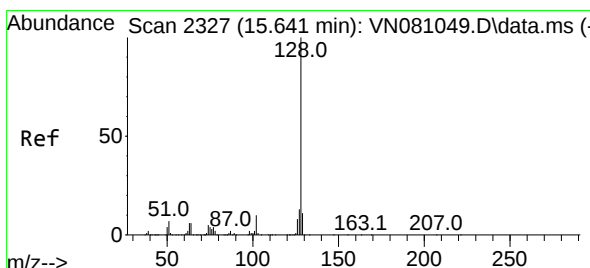
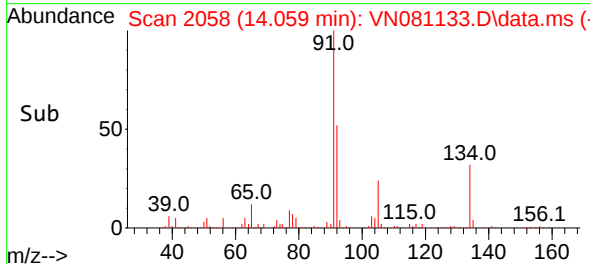
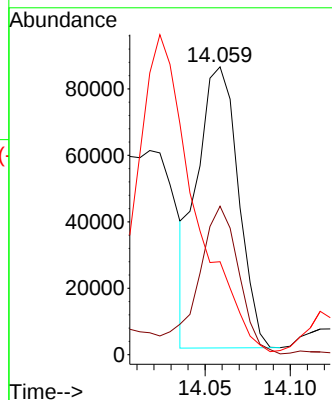
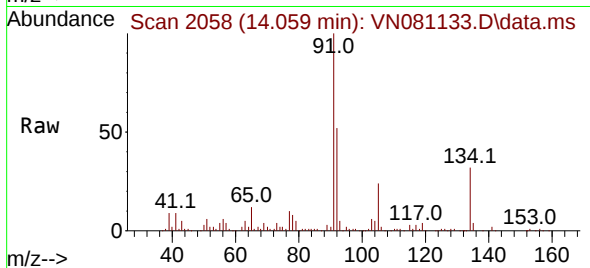
Tgt Ion: 91 Resp: 142273

Ion Ratio Lower Upper

91 100

92 52.0 26.7 80.1

134 0.0 10.8 32.4#



#95

Naphthalene

Concen: 18.982 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN081133.D

Acq: 22 Feb 2024 14:24

Tgt Ion:128 Resp: 338828

Ion Ratio Lower Upper

128 100

127 12.0 10.0 15.0

129 10.6 8.7 13.1

