

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073531.D
 Acq On : 20 Jul 2022 18:56
 Operator : JC\MD
 Sample : N3760-06
 Misc : 2.46g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

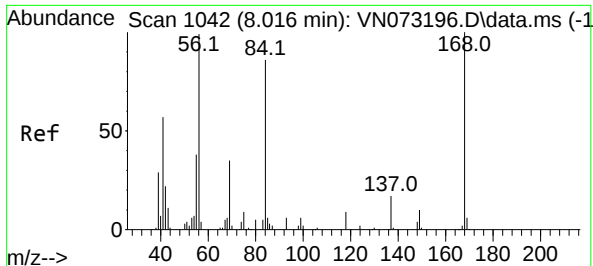
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1606

Quant Time: Jul 21 08:25:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.004	168	245770	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	404824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	390482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	225502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	145992	41.148	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.300%		
35) Dibromofluoromethane	7.945	113	121951	45.278	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.560%		
50) Toluene-d8	10.380	98	496556	51.909	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.820%		
62) 4-Bromofluorobenzene	12.674	95	228368	62.122	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	124.240%#		
Target Compounds					Qvalue	
31) Cyclohexane	7.986	56	44405	7.642	ug/l #	57
39) Methylcyclohexane	9.386	83	378551	73.369	ug/l	95
52) Toluene	10.445	92	1052862	133.204	ug/l	99
64) Tetrachloroethene	10.916	164	4244	1.331	ug/l #	84
67) Ethyl Benzene	11.786	91	931747	58.115	ug/l	100
68) m/p-Xylenes	11.892	106	803021	132.713	ug/l	96
69) o-Xylene	12.221	106	402808	65.211	ug/l	98
73) Isopropylbenzene	12.521	105	360004	18.487	ug/l	100
78) n-propylbenzene	12.863	91	1249049	57.738	ug/l	96
80) 1,3,5-Trimethylbenzene	13.004	105	881798	55.556	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	4100006	258.730	ug/l	98
85) sec-Butylbenzene	13.445	105	716040	37.474	ug/l	85
86) p-Isopropyltoluene	13.557	119	486401	31.513	ug/l	98
89) n-Butylbenzene	13.886	91	1492855	116.067	ug/l #	73
95) Naphthalene	15.433	128	1111972	63.981	ug/l	99

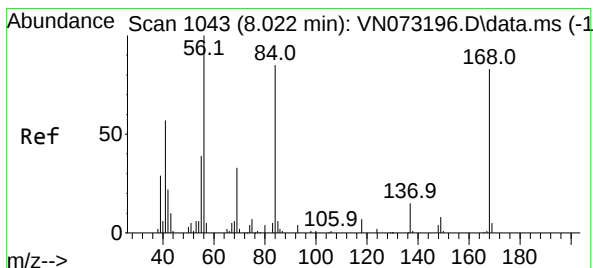
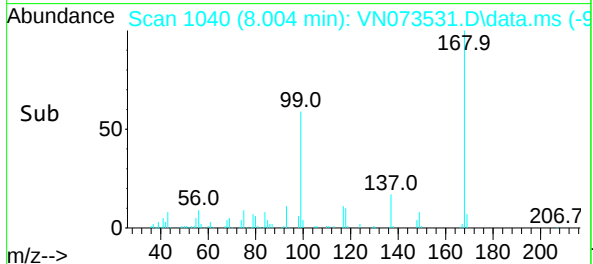
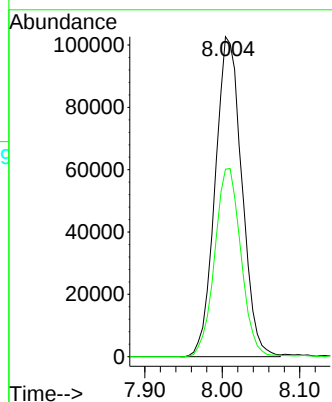
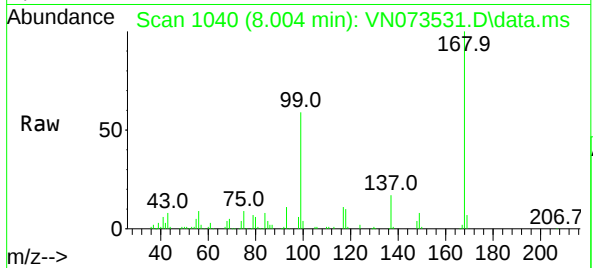
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

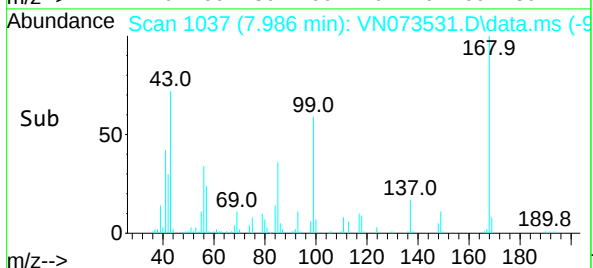
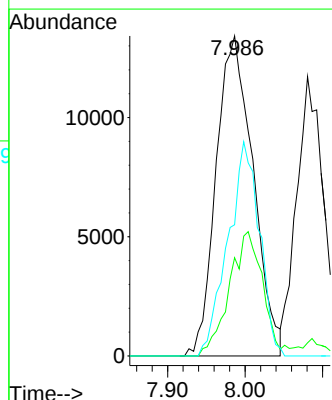
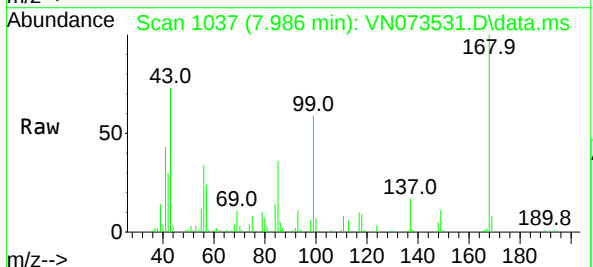
Instrument :
MSVOA_N
ClientSampleId :
AUD-1606

Tgt Ion:168 Resp: 245770
Ion Ratio Lower Upper
168 100
99 58.6 42.3 63.5



#31
Cyclohexane
Concen: 7.642 ug/l
RT: 7.986 min Scan# 1037
Delta R.T. -0.036 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

Tgt Ion: 56 Resp: 44405
Ion Ratio Lower Upper
56 100
69 30.7 27.8 41.8
84 41.0 76.9 115.3#

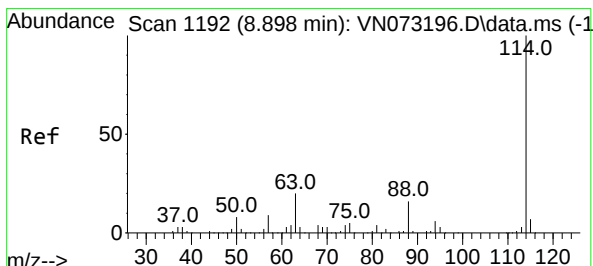
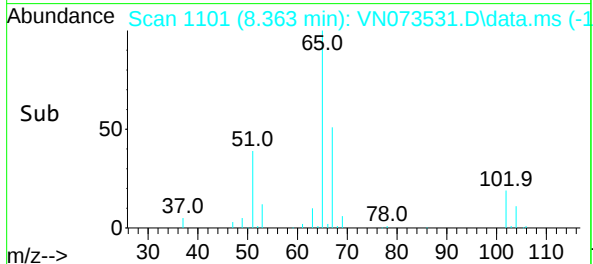
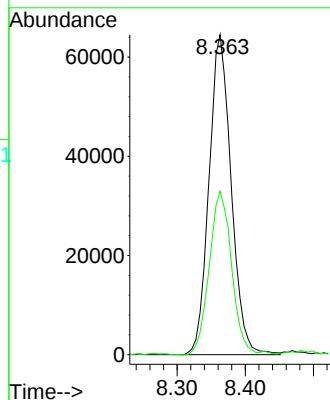
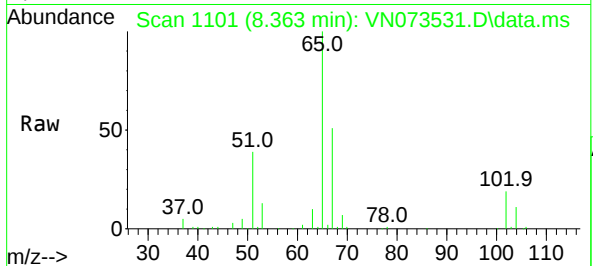




#33
1,2-Dichloroethane-d4
Concen: 41.148 ug/l
RT: 8.363 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

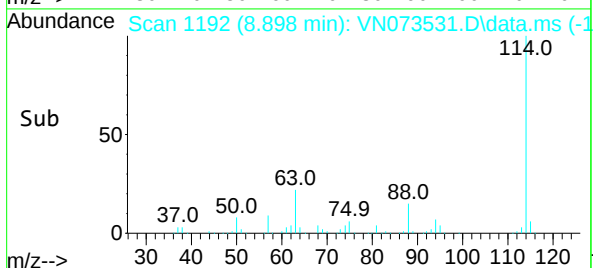
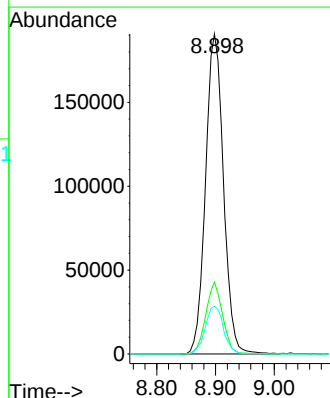
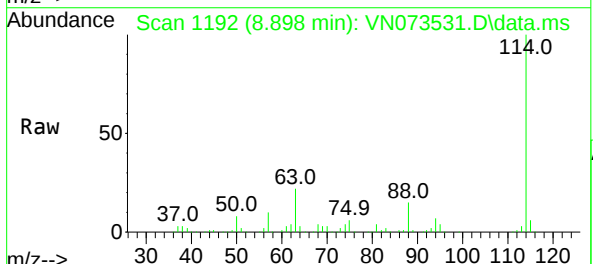
Instrument :
MSVOA_N
ClientSampleId :
AUD-1606

Tgt Ion: 65 Resp: 145992
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

Tgt Ion: 114 Resp: 404824
Ion Ratio Lower Upper
114 100
63 22.5 0.0 40.0
88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.278 ug/l

RT: 7.945 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN073531.D

Acq: 20 Jul 2022 18:56

Instrument :

MSVOA_N

ClientSampleId :

AUD-1606

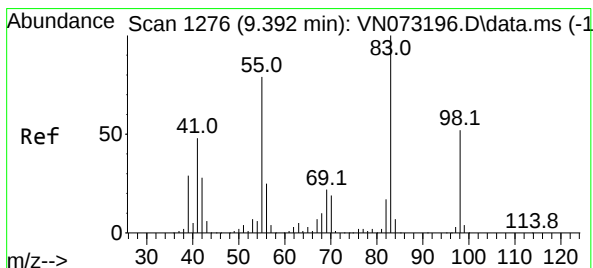
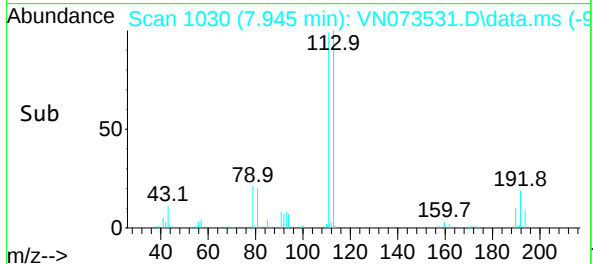
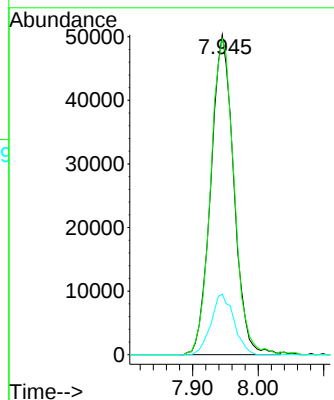
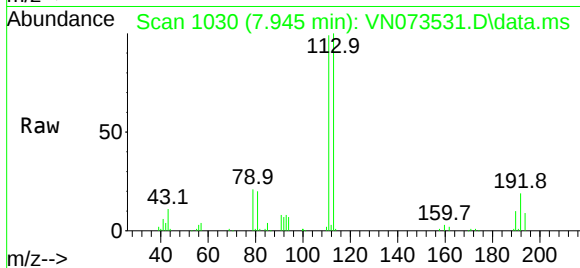
Tgt Ion:113 Resp: 121951

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

192 18.9 17.0 25.6



#39

Methylcyclohexane

Concen: 73.369 ug/l

RT: 9.386 min Scan# 1275

Delta R.T. -0.006 min

Lab File: VN073531.D

Acq: 20 Jul 2022 18:56

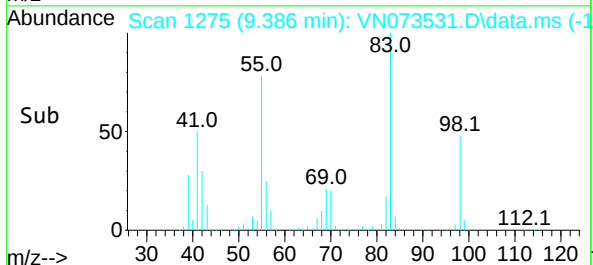
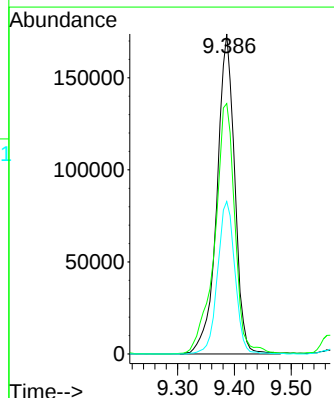
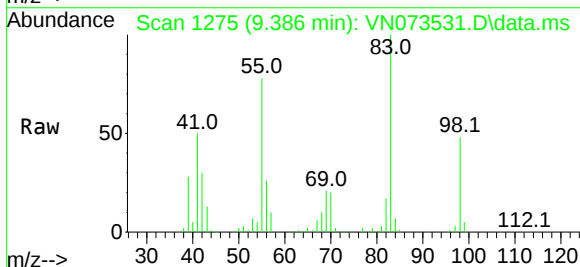
Tgt Ion: 83 Resp: 378551

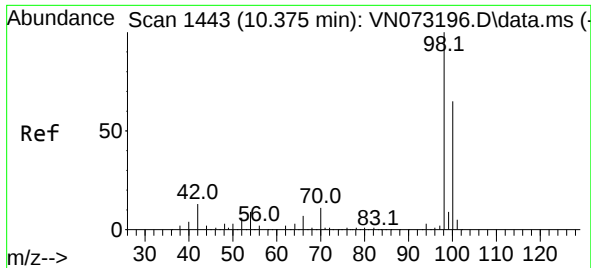
Ion Ratio Lower Upper

83 100

55 78.0 57.8 86.8

98 47.7 39.4 59.2

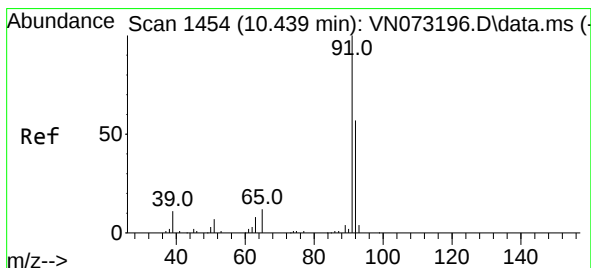
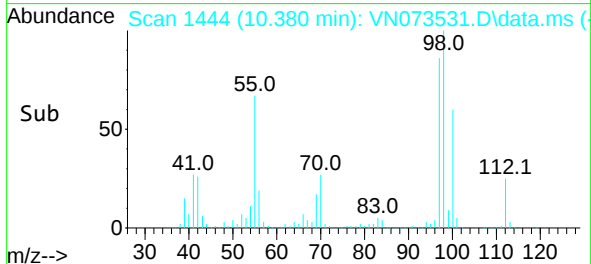
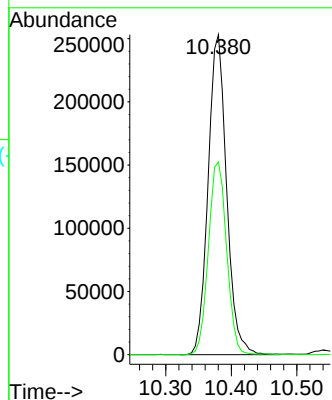
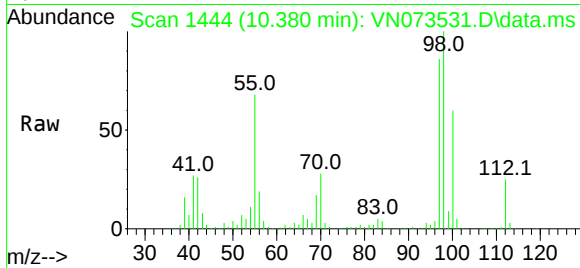




#50
Toluene-d8
Concen: 51.909 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

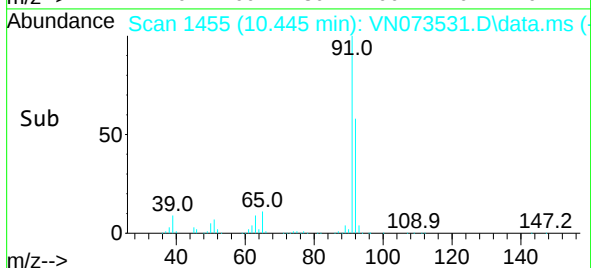
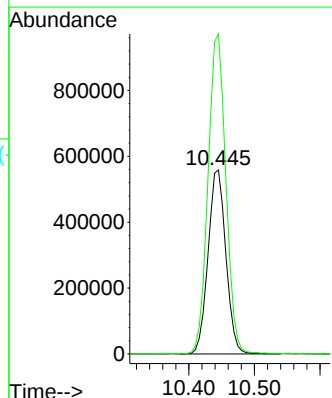
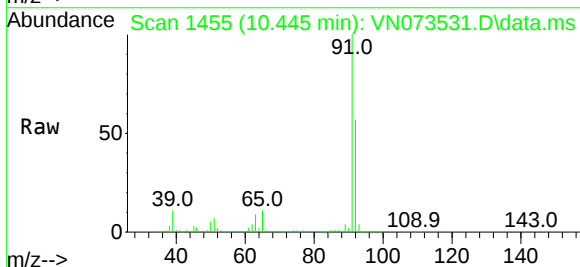
Instrument :
MSVOA_N
ClientSampleId :
AUD-1606

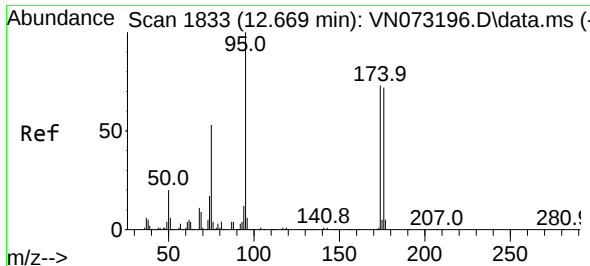
Tgt Ion: 98 Resp: 496556
Ion Ratio Lower Upper
98 100
100 59.3 52.6 78.8



#52
Toluene
Concen: 133.204 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

Tgt Ion: 92 Resp: 1052862
Ion Ratio Lower Upper
92 100
91 174.6 138.6 207.8

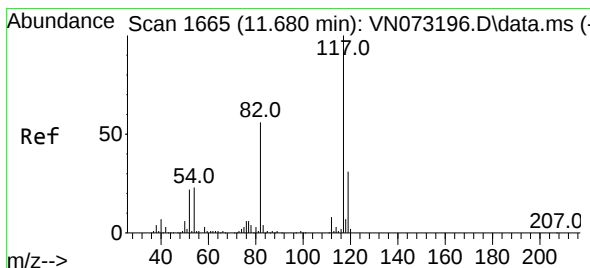
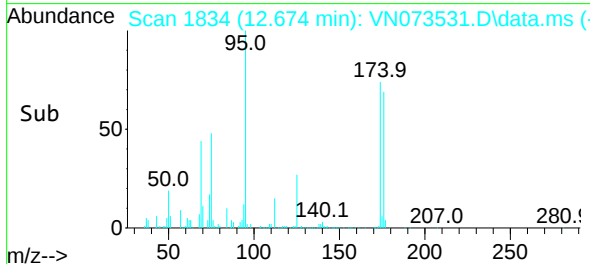
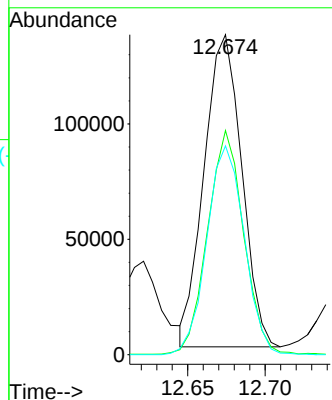
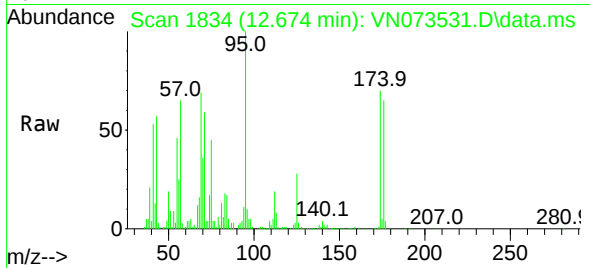




#62
4-Bromofluorobenzene
Concen: 62.122 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

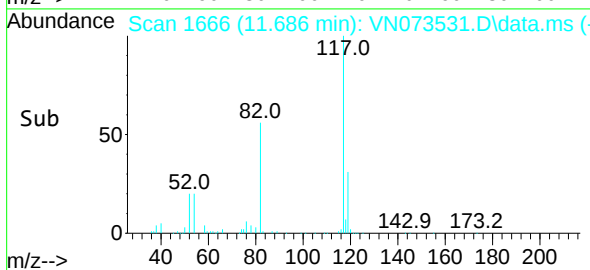
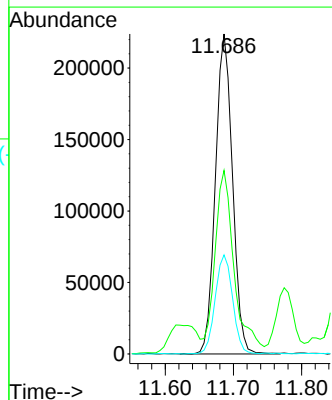
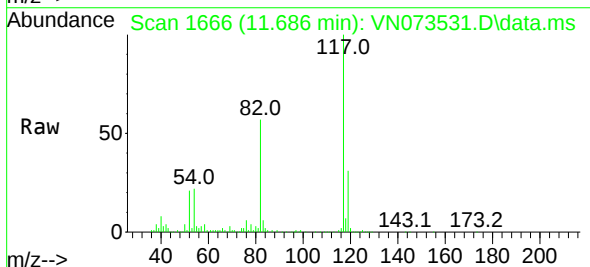
Instrument :
MSVOA_N
ClientSampleId :
AUD-1606

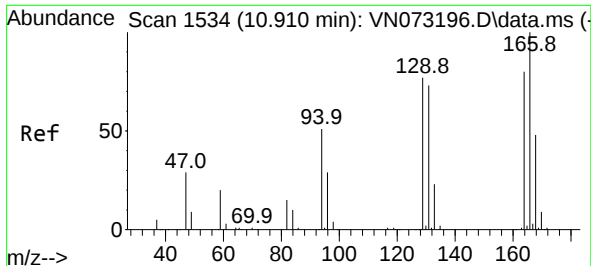
Tgt Ion: 95 Resp: 228368
Ion Ratio Lower Upper
95 100
174 68.7 0.0 167.6
176 66.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

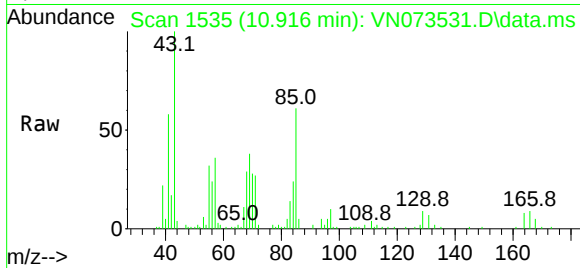
Tgt Ion: 117 Resp: 390482
Ion Ratio Lower Upper
117 100
82 48.3 44.2 66.2
119 30.9 25.4 38.0



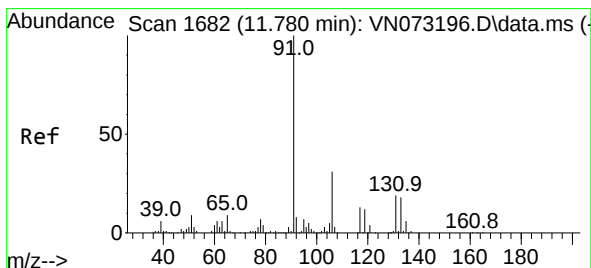
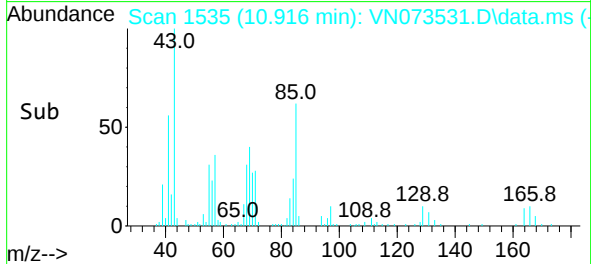
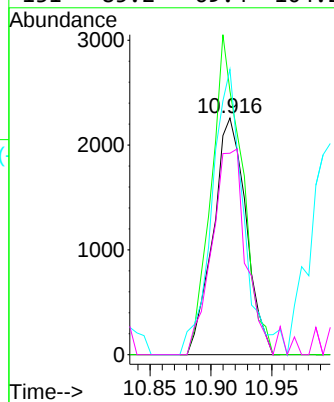


#64
Tetrachloroethene
Concen: 1.331 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.006 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

Instrument :
MSVOA_N
ClientSampleId :
AUD-1606

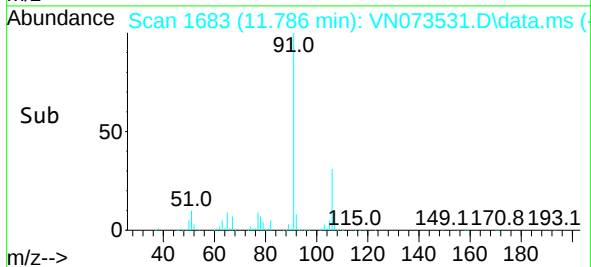
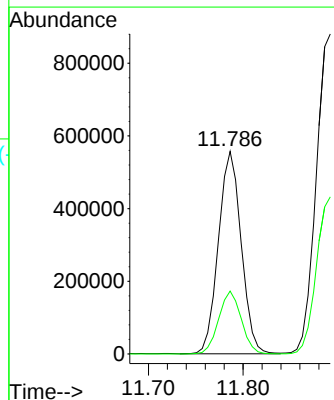
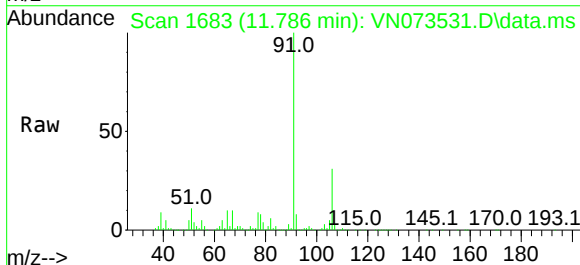


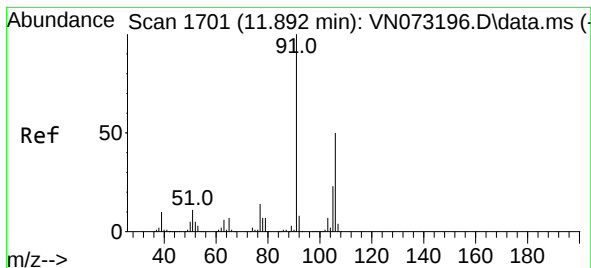
Tgt Ion:164 Resp: 4244
Ion Ratio Lower Upper
164 100
166 111.4 104.2 156.2
129 120.6 73.9 110.9#
131 85.2 69.4 104.2



#67
Ethyl Benzene
Concen: 58.115 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

Tgt Ion: 91 Resp: 931747
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

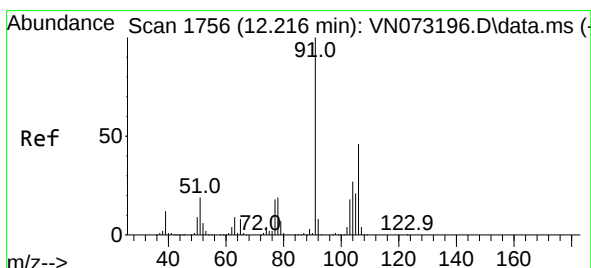
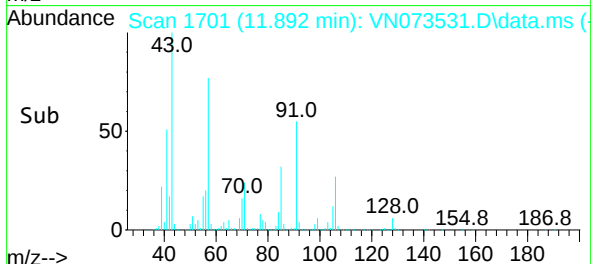
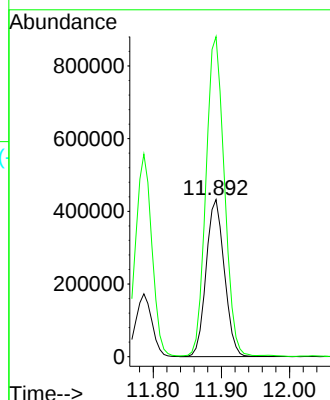
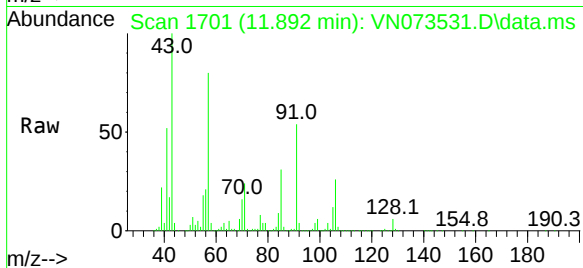




#68
m/p-Xylenes
Concen: 132.713 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

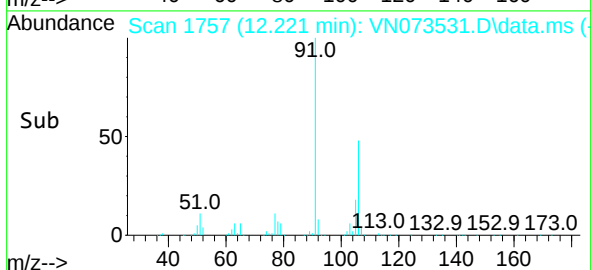
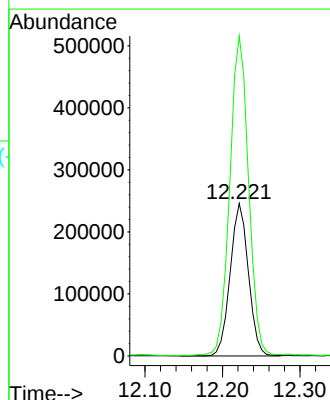
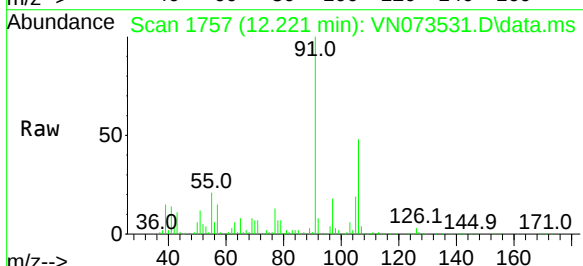
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MSVOA_N
ClientSampleId :
AUD-1606

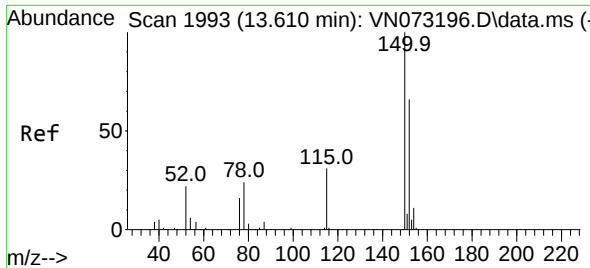
Tgt Ion:106 Resp: 803021
Ion Ratio Lower Upper
106 100
91 204.8 158.9 238.3



#69
o-Xylene
Concen: 65.211 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.005 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

Tgt Ion:106 Resp: 402808
Ion Ratio Lower Upper
106 100
91 215.6 106.0 318.0

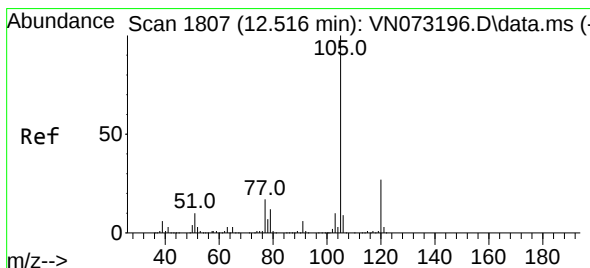
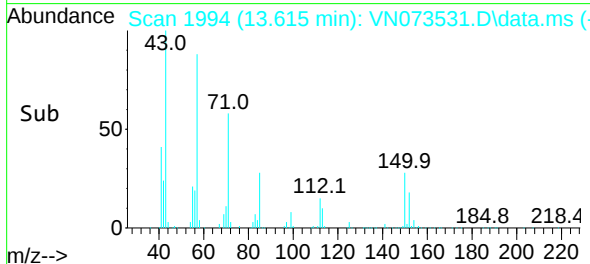
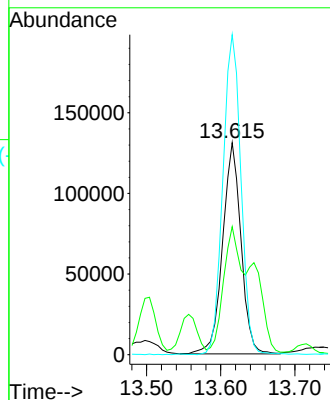
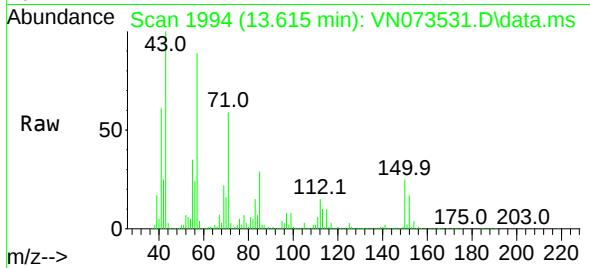




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

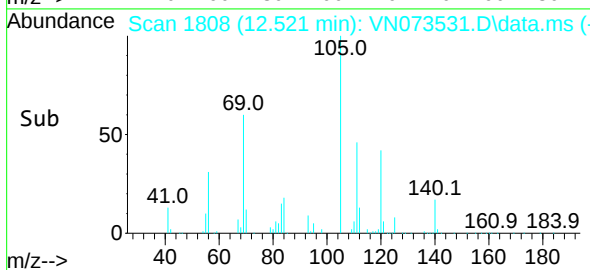
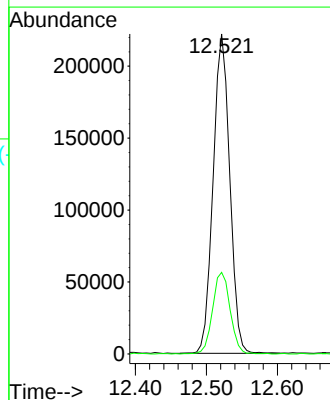
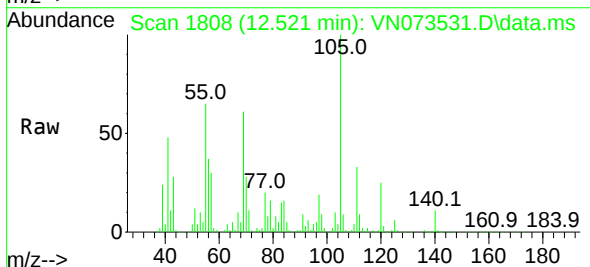
Instrument :
MSVOA_N
ClientSampleId :
AUD-1606

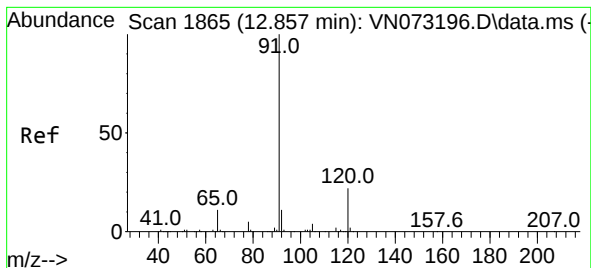
Tgt Ion:152 Resp: 225502
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 149.3 0.0 356.2



#73
Isopropylbenzene
Concen: 18.487 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.005 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

Tgt Ion:105 Resp: 360004
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4





#78

n-propylbenzene

Concen: 57.738 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.006 min

Lab File: VN073531.D

Acq: 20 Jul 2022 18:56

Instrument :

MSVOA_N

ClientSampleId :

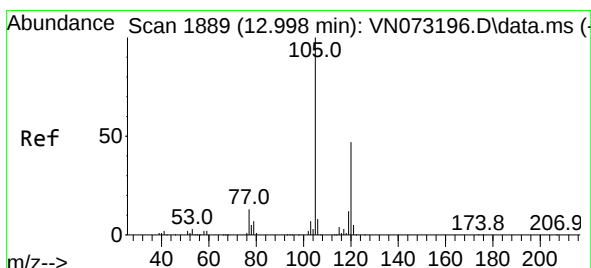
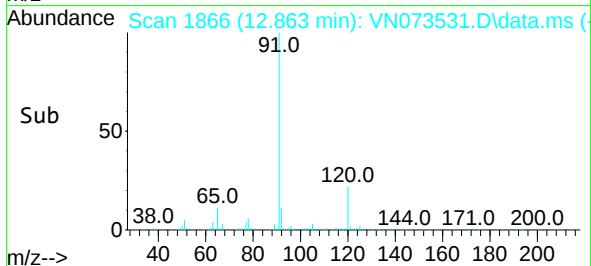
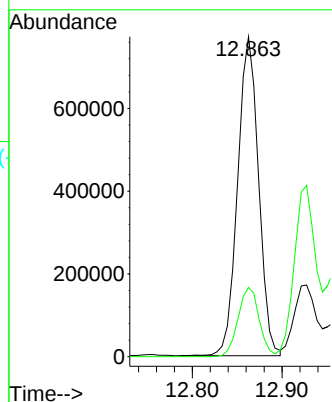
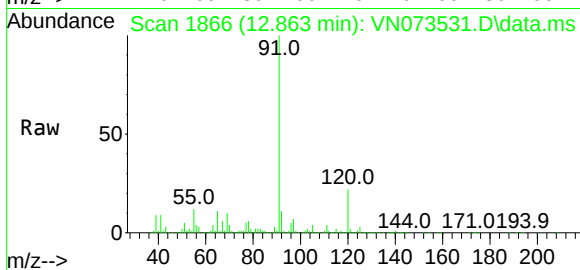
AUD-1606

Tgt Ion: 91 Resp: 1249049

Ion Ratio Lower Upper

91 100

120 21.8 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 55.556 ug/l

RT: 13.004 min Scan# 1890

Delta R.T. 0.006 min

Lab File: VN073531.D

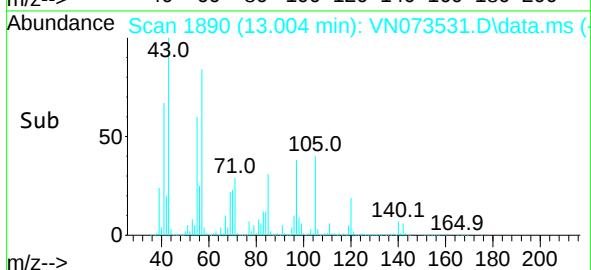
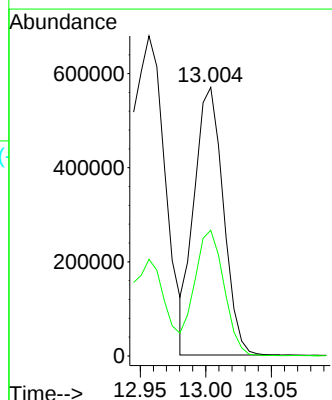
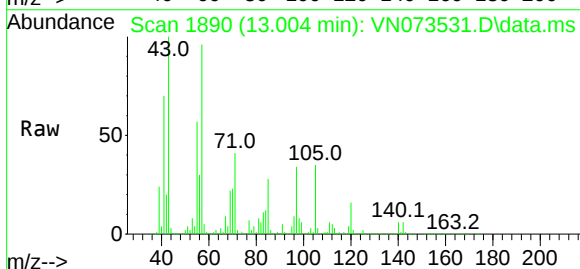
Acq: 20 Jul 2022 18:56

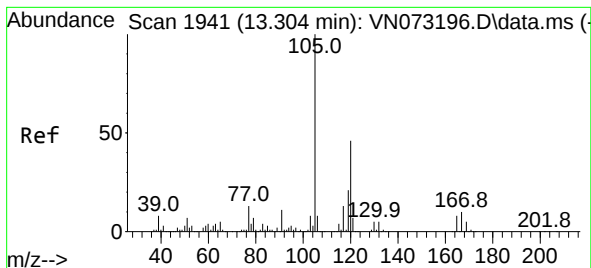
Tgt Ion:105 Resp: 881798

Ion Ratio Lower Upper

105 100

120 47.2 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 258.730 ug/l

RT: 13.310 min Scan# 1941

Delta R.T. 0.006 min

Lab File: VN073531.D

Acq: 20 Jul 2022 18:56

Instrument :

MSVOA_N

ClientSampleId :

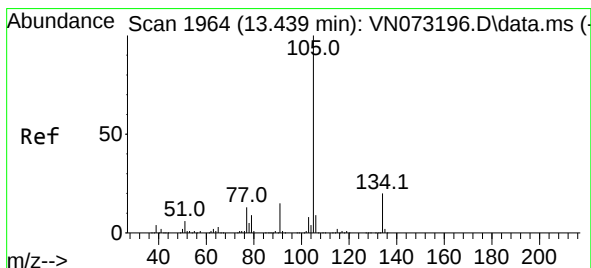
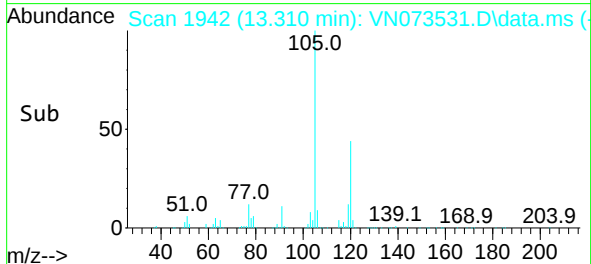
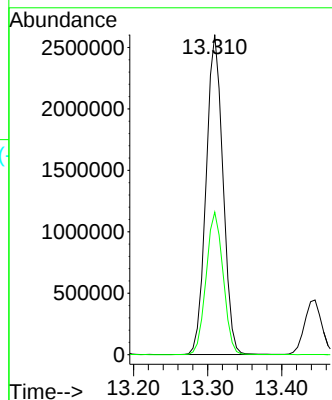
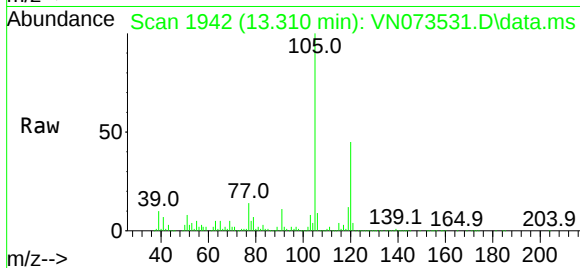
AUD-1606

Tgt Ion:105 Resp: 4100006

Ion Ratio Lower Upper

105 100

120 45.1 23.3 69.8



#85

sec-Butylbenzene

Concen: 37.474 ug/l

RT: 13.445 min Scan# 1965

Delta R.T. 0.006 min

Lab File: VN073531.D

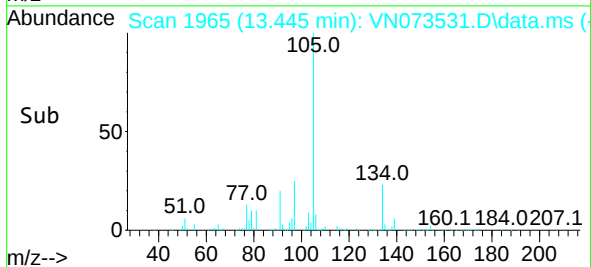
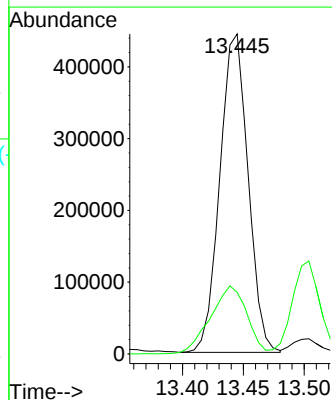
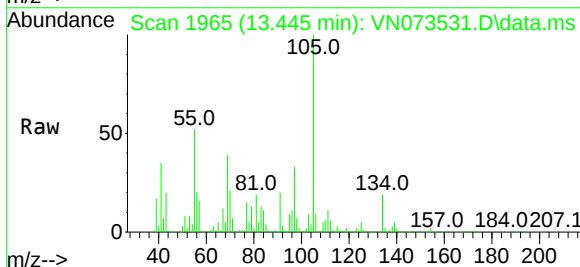
Acq: 20 Jul 2022 18:56

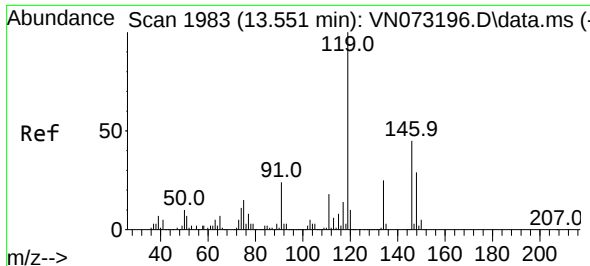
Tgt Ion:105 Resp: 716040

Ion Ratio Lower Upper

105 100

134 27.6 10.4 31.1

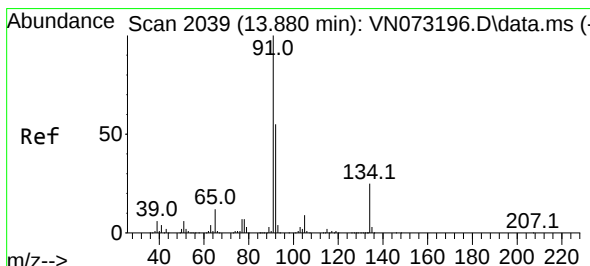
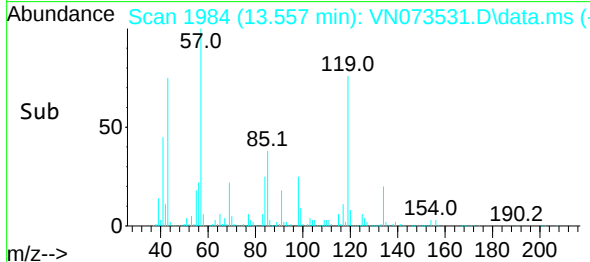
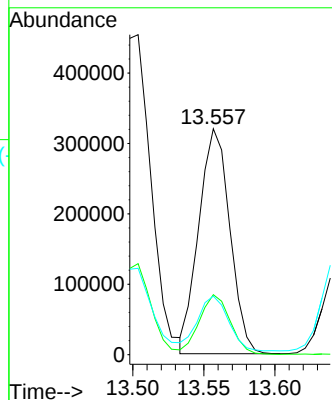
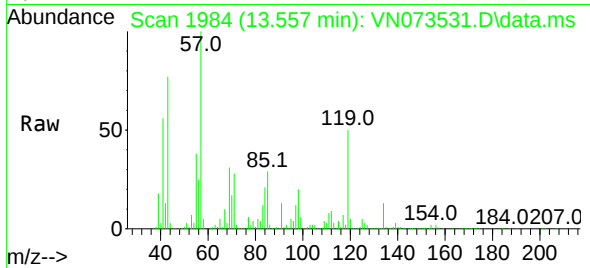




#86
p-Isopropyltoluene
Concen: 31.513 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.006 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

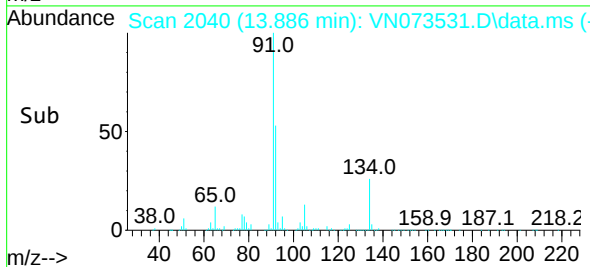
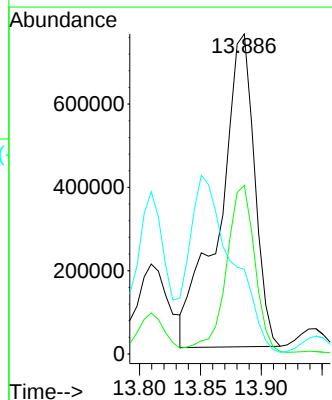
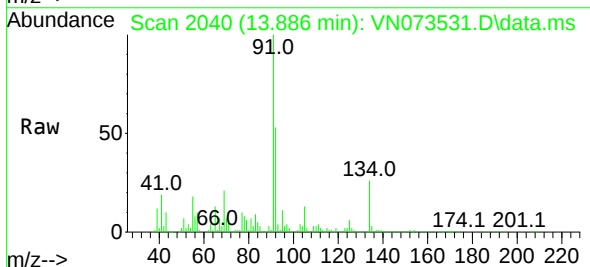
Instrument :
MSVOA_N
ClientSampleId :
AUD-1606

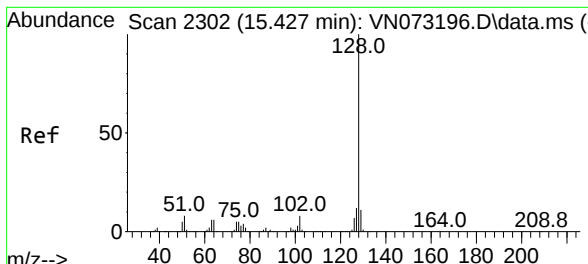
Tgt Ion:119 Resp: 486401
Ion Ratio Lower Upper
119 100
134 26.2 13.3 39.8
91 23.9 11.3 33.9



#89
n-Butylbenzene
Concen: 116.067 ug/l
RT: 13.886 min Scan# 2040
Delta R.T. 0.006 min
Lab File: VN073531.D
Acq: 20 Jul 2022 18:56

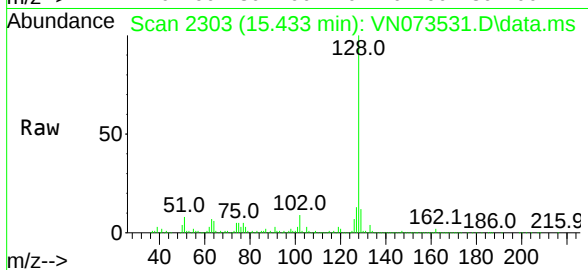
Tgt Ion: 91 Resp: 1492855
Ion Ratio Lower Upper
91 100
92 43.9 26.9 80.7
134 0.0 13.6 40.8#





#95
 Naphthalene
 Concen: 63.981 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073531.D
 Acq: 20 Jul 2022 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1606



Tgt Ion:128 Resp: 1111972
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.3 15.5
 129 11.1 8.6 13.0

