

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050323\
 Data File : VN077566.D
 Acq On : 03 May 2023 16:33
 Operator : JC\MD
 Sample : 02566-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1986

Quant Time: May 04 04:49:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

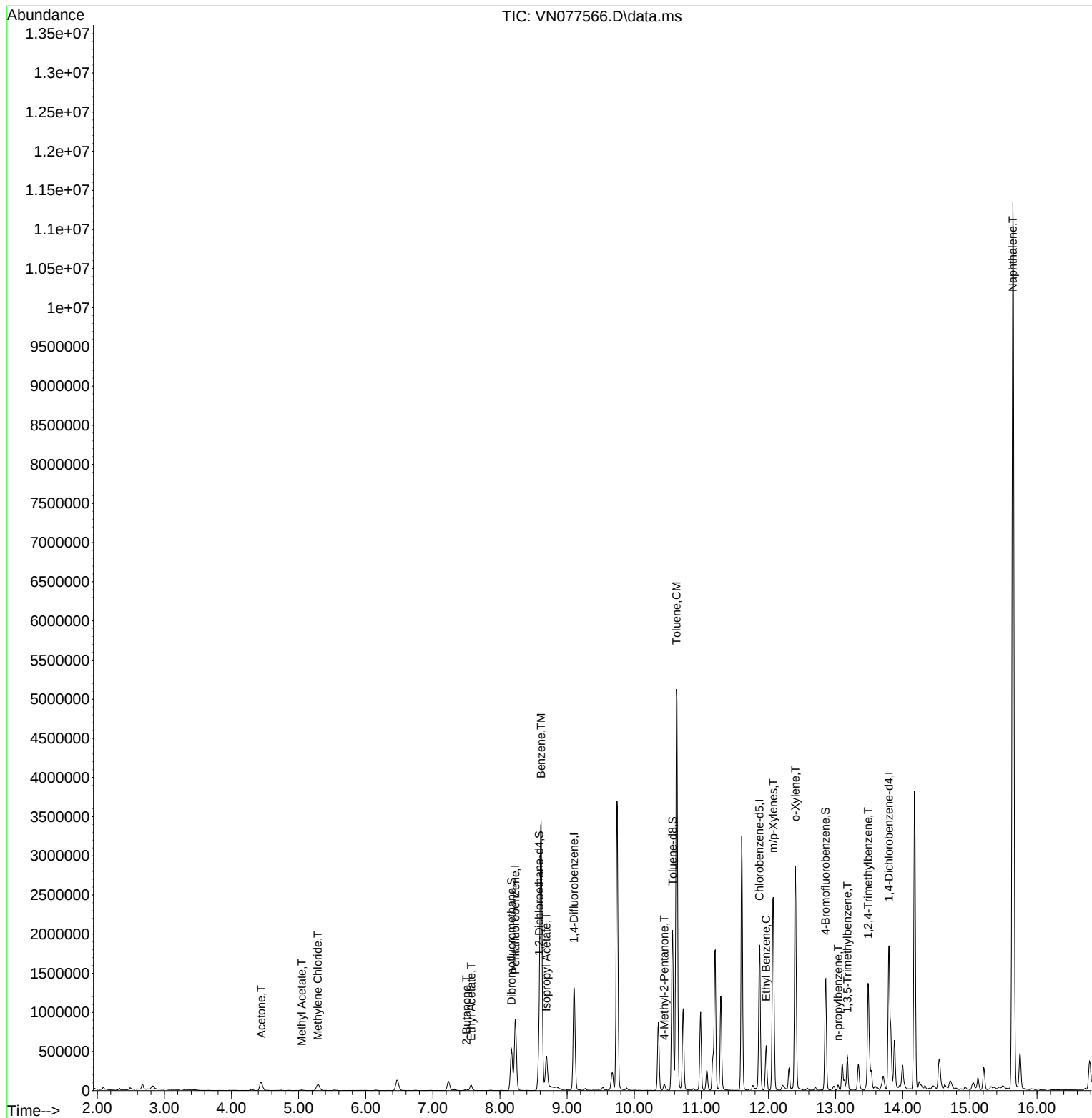
Internal Standards						
1) Pentafluorobenzene	8.231	168	637596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1238064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1146493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	499806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	421080	50.611	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.220%			
35) Dibromofluoromethane	8.172	113	371992	49.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.980%			
50) Toluene-d8	10.572	98	1517700	53.216	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.440%			
62) 4-Bromofluorobenzene	12.848	95	530717	56.878	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.760%			
Target Compounds					Qvalue	
16) Acetone	4.443	43	204980	77.442	ug/l	100
18) Methyl Acetate	5.049	43	15028	1.470	ug/l #	62
20) Methylene Chloride	5.284	84	74334	8.856	ug/l	91
25) 2-Butanone	7.501	43	23729	6.321	ug/l	92
37) Ethyl Acetate	7.572	43	93622	11.460	ug/l	96
40) Benzene	8.613	78	3817475	116.563	ug/l	98
43) Isopropyl Acetate	8.690	43	518534	36.690	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	55474	6.692	ug/l	88
52) Toluene	10.631	92	2484667	115.809	ug/l	100
67) Ethyl Benzene	11.966	91	400662	9.381	ug/l	99
68) m/p-Xylenes	12.072	106	873336	52.615	ug/l	98
69) o-Xylene	12.401	106	827438	50.680	ug/l	100
78) n-propylbenzene	13.036	91	52896	1.031	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	237871	6.906	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	905210	28.141	ug/l	90
95) Naphthalene	15.642	128	11368217	216.551	ug/l	99

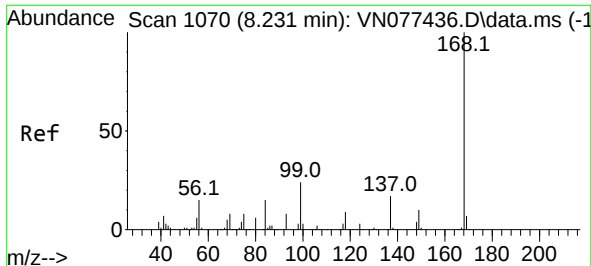
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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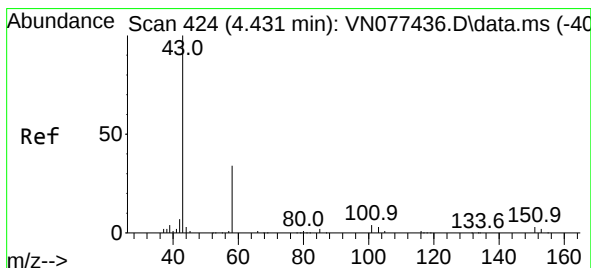
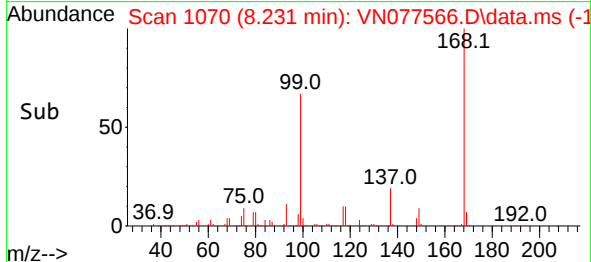
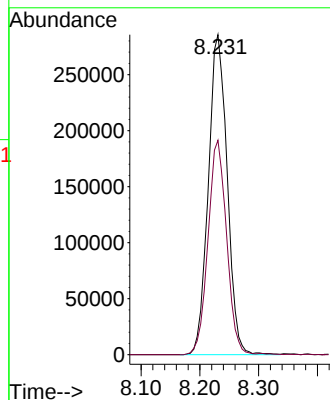
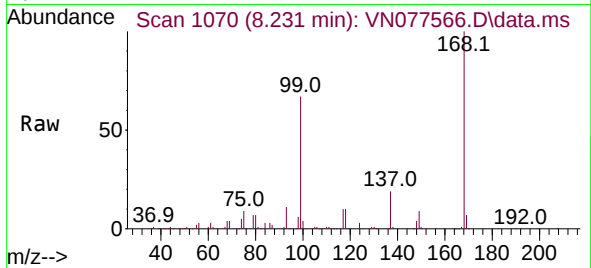




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

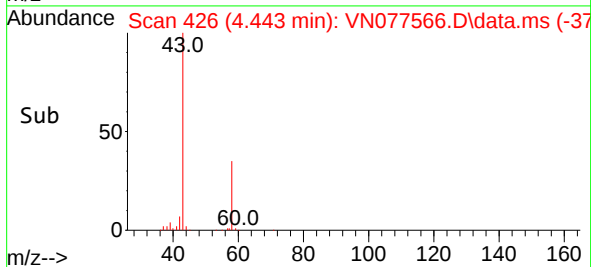
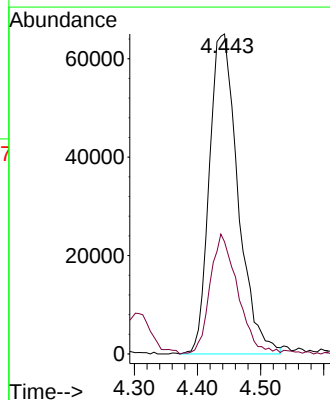
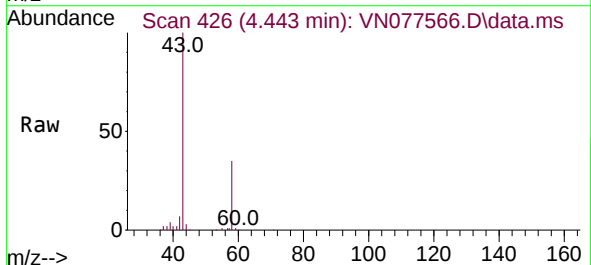
Instrument :
MSVOA_N
ClientSampleId :
AUD-1986

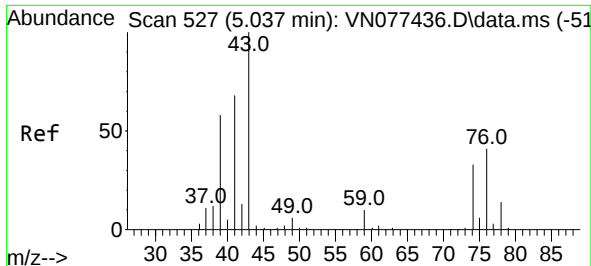
Tgt Ion:168 Resp: 637596
Ion Ratio Lower Upper
168 100
99 67.0 53.0 79.6



#16
Acetone
Concen: 77.442 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion: 43 Resp: 204980
Ion Ratio Lower Upper
43 100
58 35.1 28.0 42.0

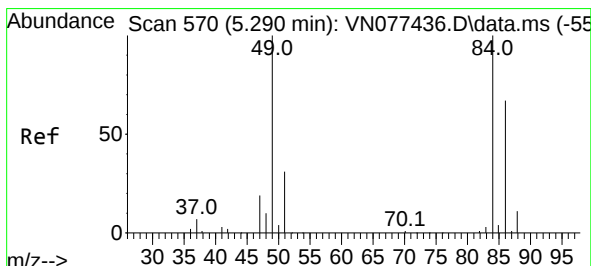
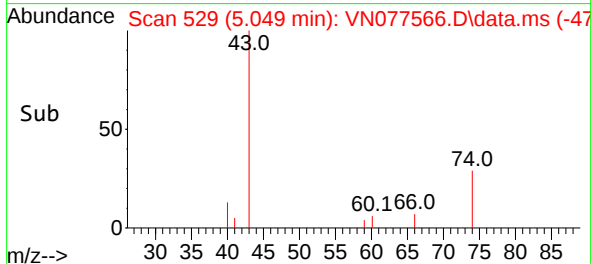
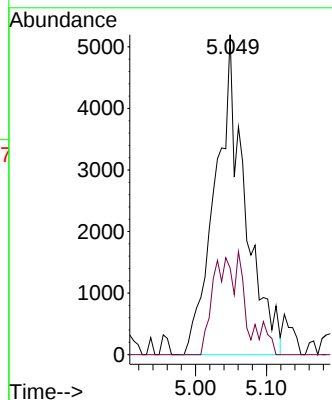
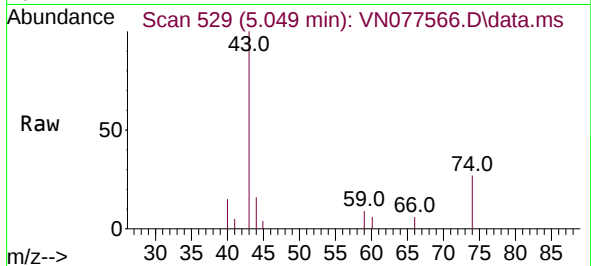




#18
Methyl Acetate
Concen: 1.470 ug/l
RT: 5.049 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

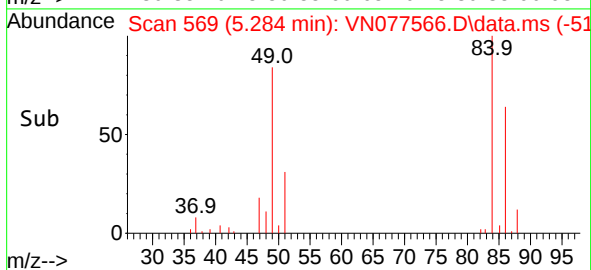
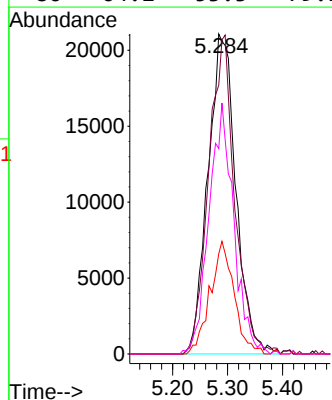
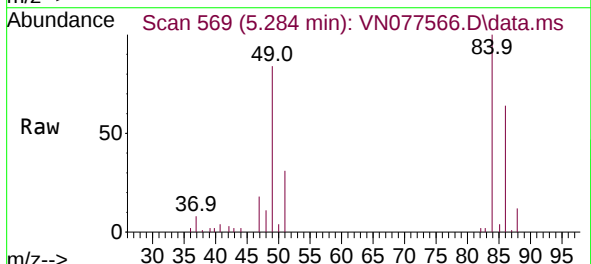
Instrument :
MSVOA_N
ClientSampleId :
AUD-1986

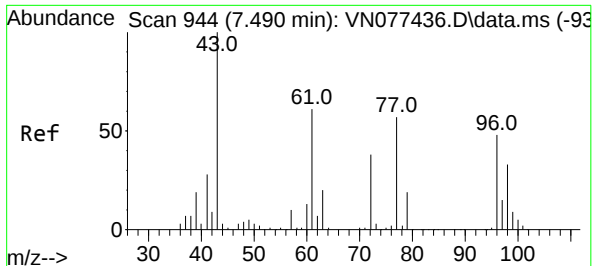
Tgt Ion: 43 Resp: 15028
Ion Ratio Lower Upper
43 100
74 11.6 26.2 39.4#



#20
Methylene Chloride
Concen: 8.856 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion: 84 Resp: 74334
Ion Ratio Lower Upper
84 100
49 84.0 79.7 119.5
51 31.3 25.2 37.8
86 64.2 53.3 79.9





#25

2-Butanone

Concen: 6.321 ug/l

RT: 7.501 min Scan# 944

Delta R.T. 0.012 min

Lab File: VN077566.D

Acq: 03 May 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

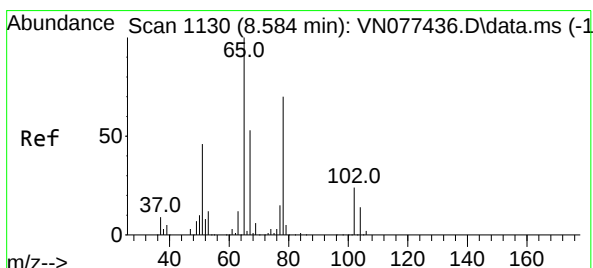
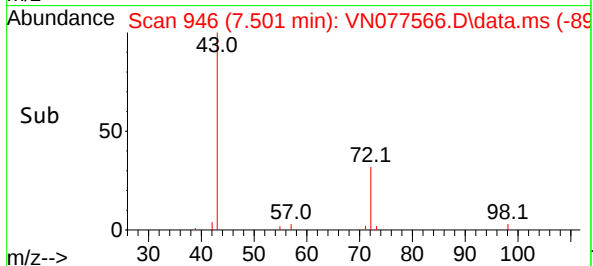
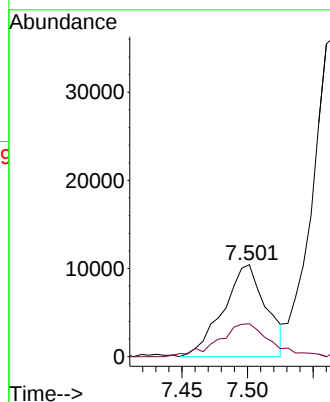
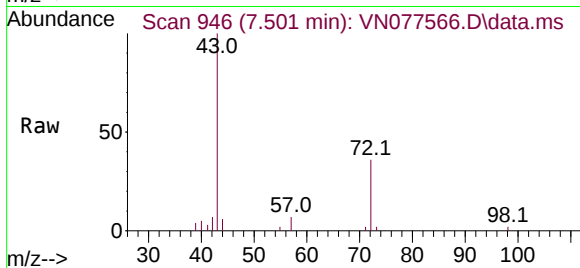
AUD-1986

Tgt Ion: 43 Resp: 23729

Ion Ratio Lower Upper

43 100

72 32.6 30.2 45.2



#33

1,2-Dichloroethane-d4

Concen: 50.611 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077566.D

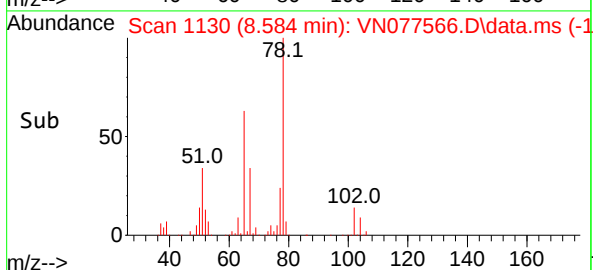
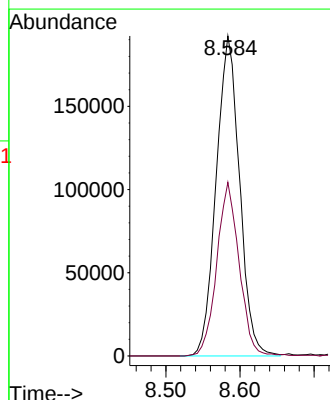
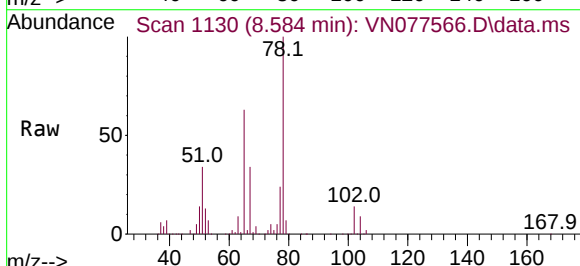
Acq: 03 May 2023 16:33

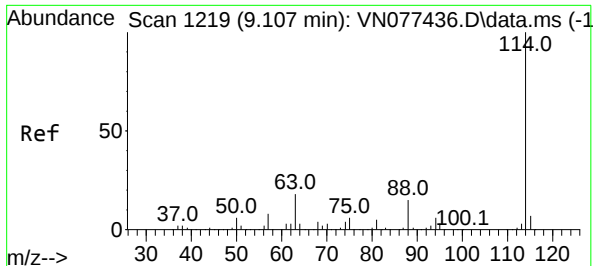
Tgt Ion: 65 Resp: 421080

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077566.D

Acq: 03 May 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

AUD-1986

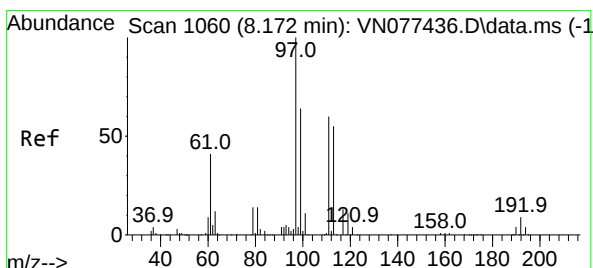
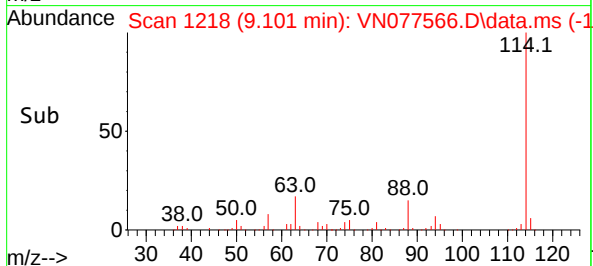
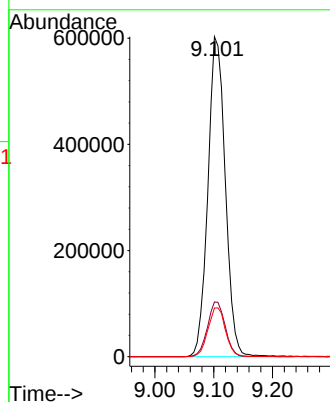
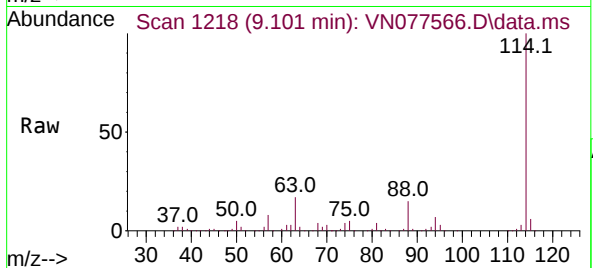
Tgt Ion:114 Resp: 1238064

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.990 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VN077566.D

Acq: 03 May 2023 16:33

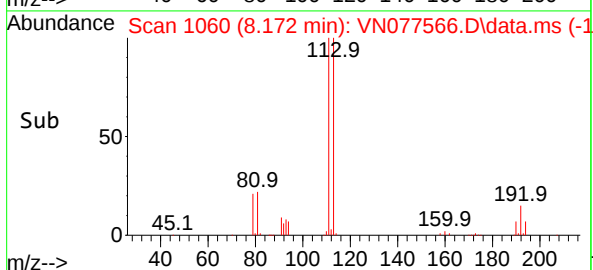
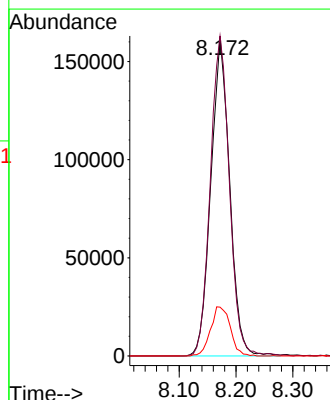
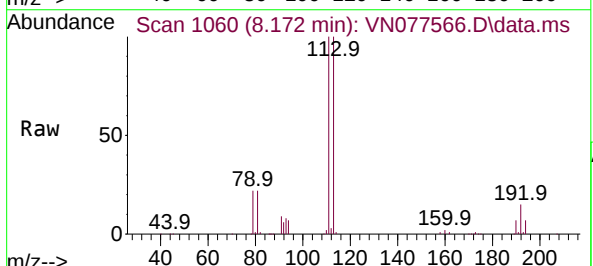
Tgt Ion:113 Resp: 371992

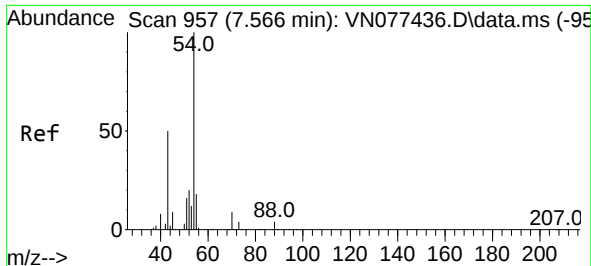
Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 16.2 12.7 19.1

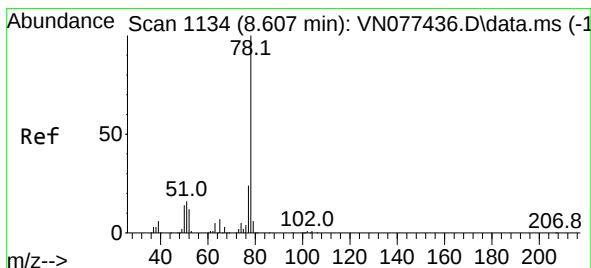
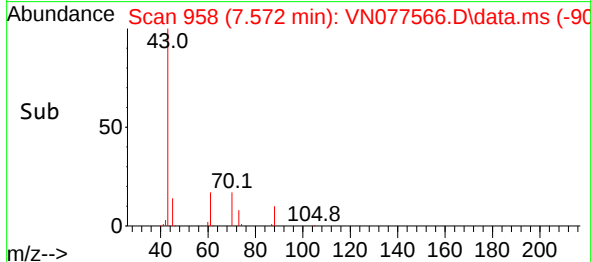
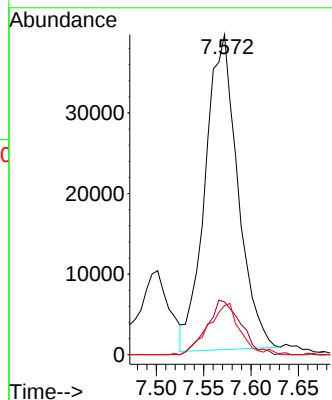
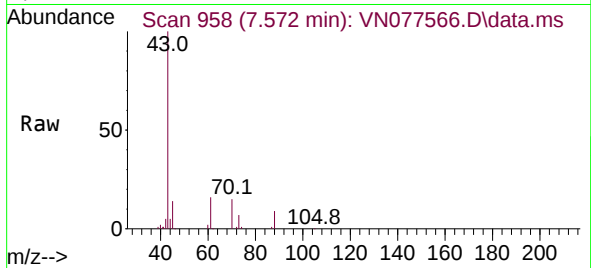




#37
Ethyl Acetate
Concen: 11.460 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

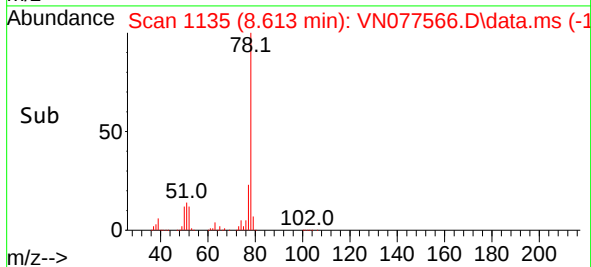
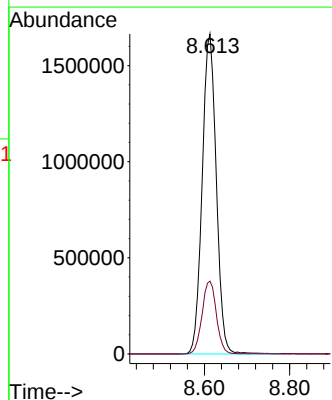
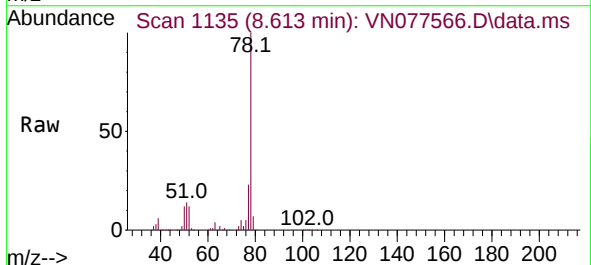
Instrument :
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AUD-1986

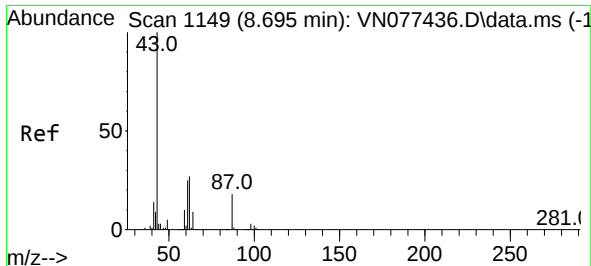
Tgt Ion: 43 Resp: 93622
Ion Ratio Lower Upper
43 100
61 18.1 13.2 19.8
70 15.5 11.3 16.9



#40
Benzene
Concen: 116.563 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion: 78 Resp: 3817475
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.6





#43

Isopropyl Acetate

Concen: 36.690 ug/l

RT: 8.690 min Scan# 1149

Delta R.T. -0.006 min

Lab File: VN077566.D

Acq: 03 May 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

AUD-1986

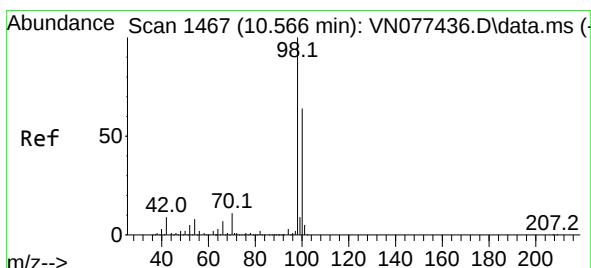
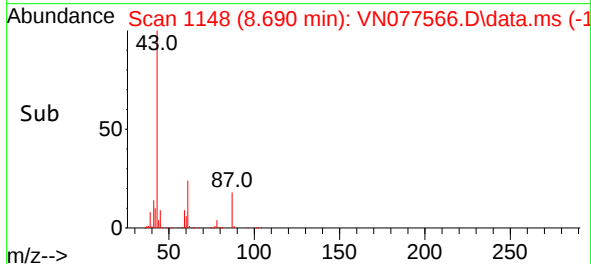
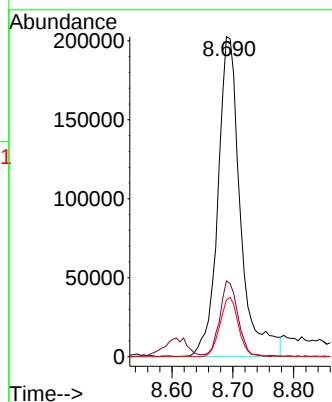
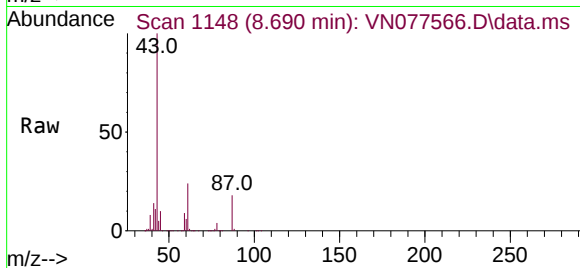
Tgt Ion: 43 Resp: 518534

Ion Ratio Lower Upper

43 100

61 19.0 24.7 37.1#

87 15.2 14.6 21.8



#50

Toluene-d8

Concen: 53.216 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077566.D

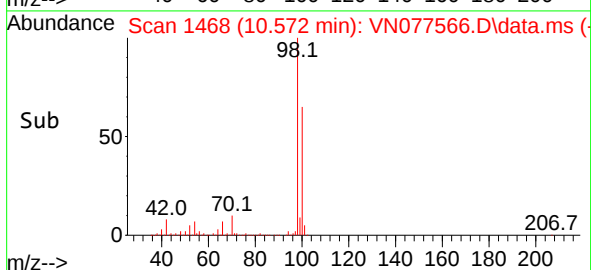
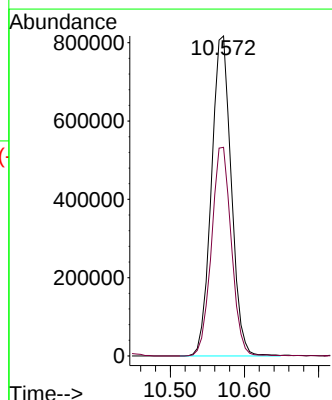
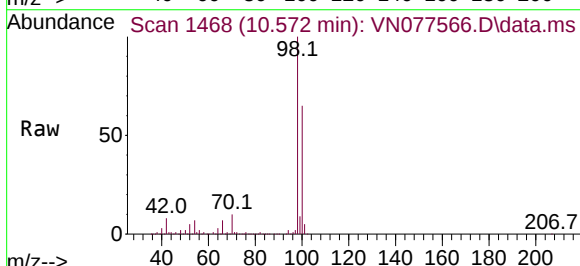
Acq: 03 May 2023 16:33

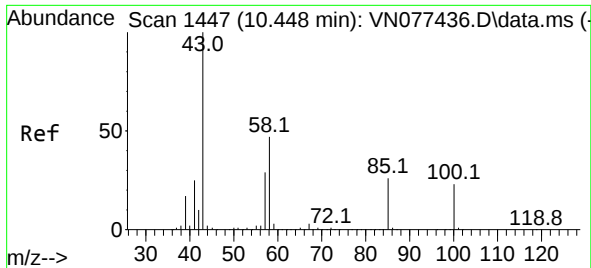
Tgt Ion: 98 Resp: 1517700

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0

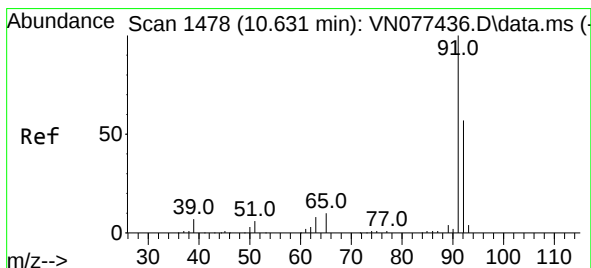
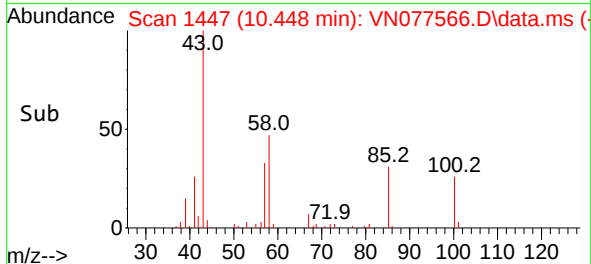
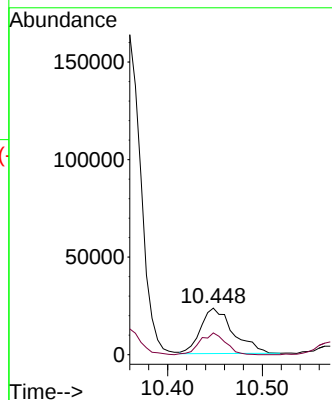
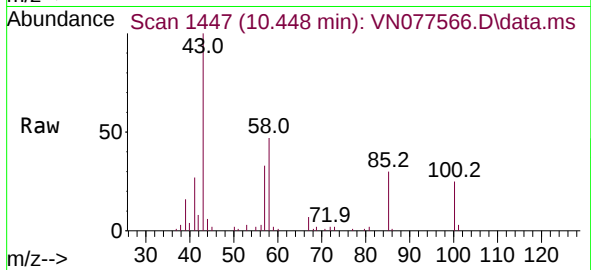




#51
4-Methyl-2-Pentanone
Concen: 6.692 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

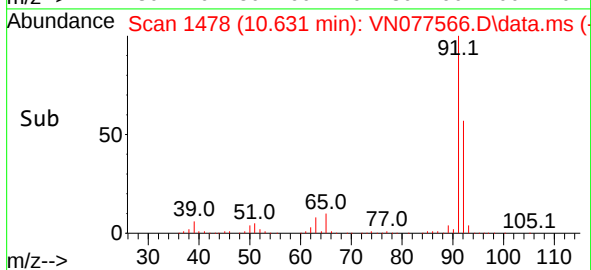
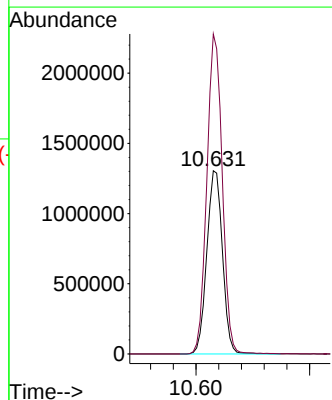
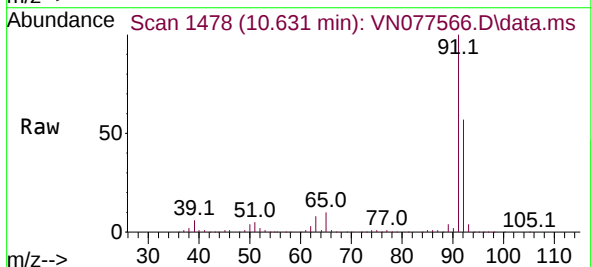
Instrument :
MSVOA_N
ClientSampleId :
AUD-1986

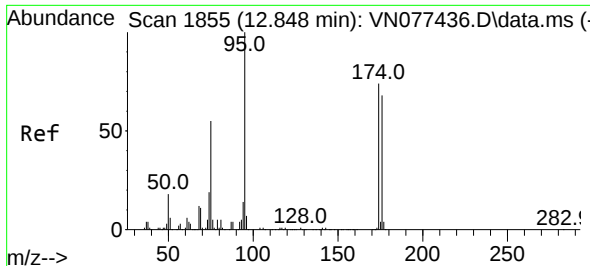
Tgt Ion: 43 Resp: 55474
Ion Ratio Lower Upper
43 100
58 37.6 36.6 54.8



#52
Toluene
Concen: 115.809 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion: 92 Resp: 2484667
Ion Ratio Lower Upper
92 100
91 172.2 137.4 206.0

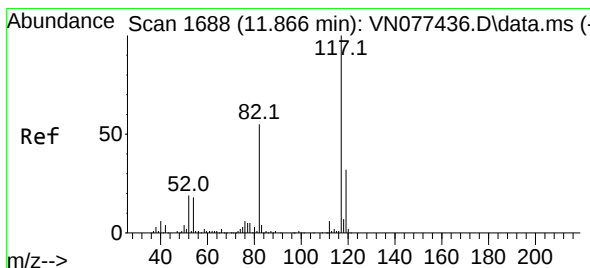
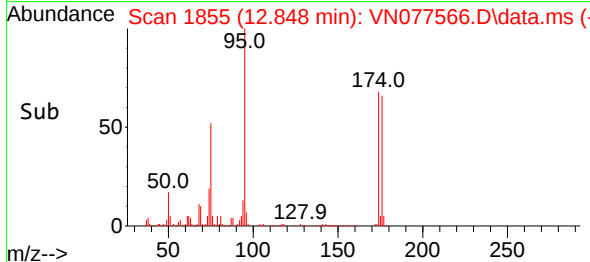
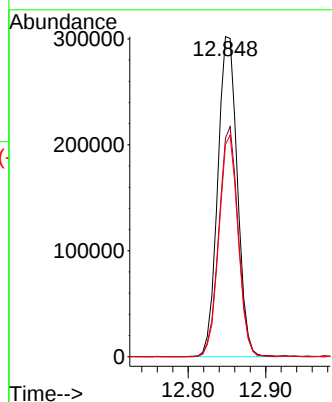
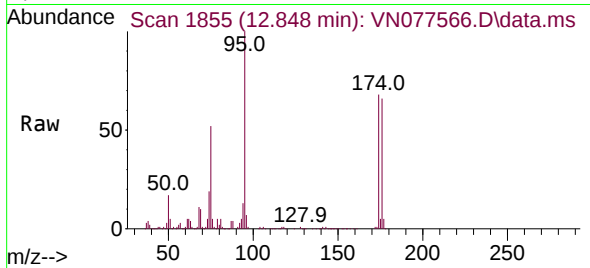




#62
4-Bromofluorobenzene
Concen: 56.878 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

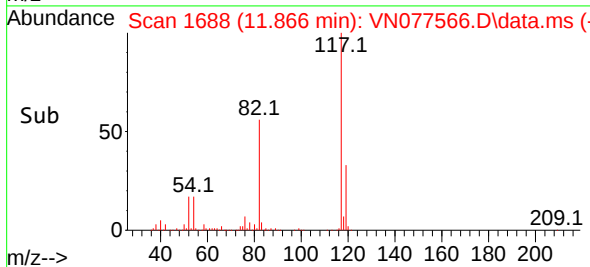
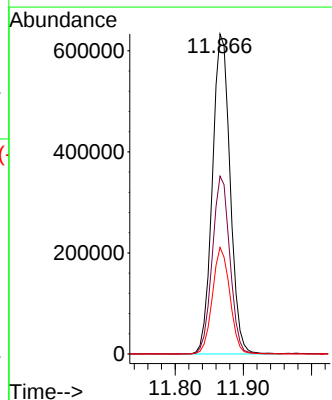
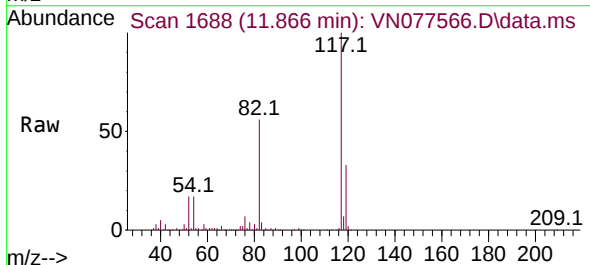
Instrument :
MSVOA_N
ClientSampleId :
AUD-1986

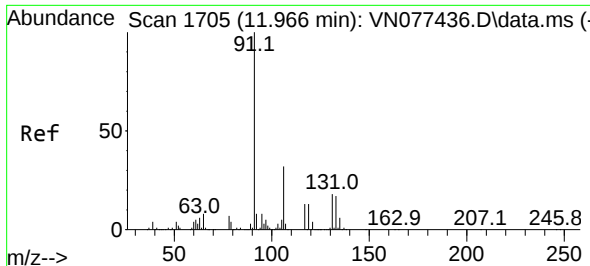
Tgt Ion: 95 Resp: 530717
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.8
176 67.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion: 117 Resp: 1146493
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 33.3 25.6 38.4

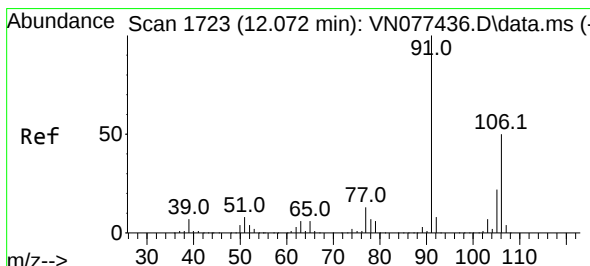
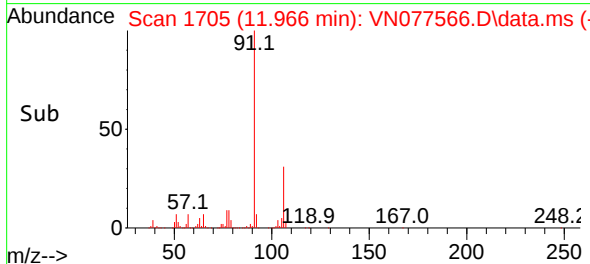
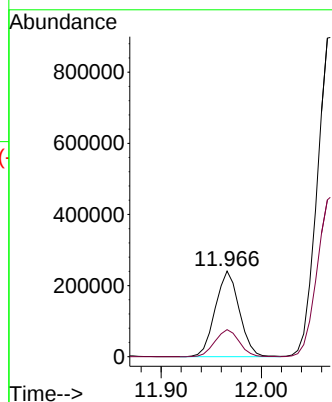
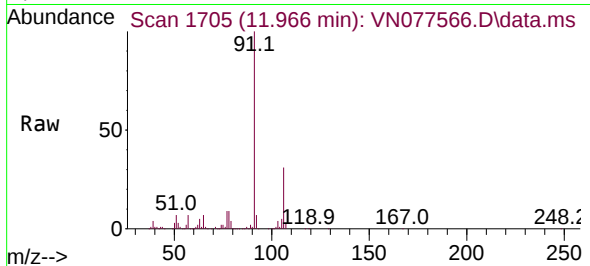




#67
Ethyl Benzene
Concen: 9.381 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

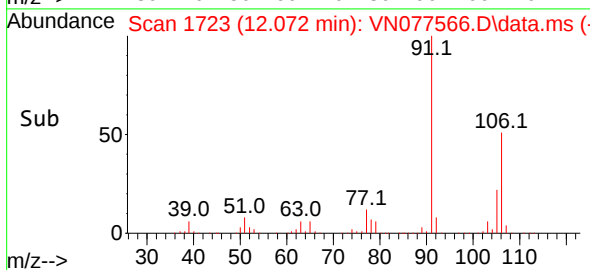
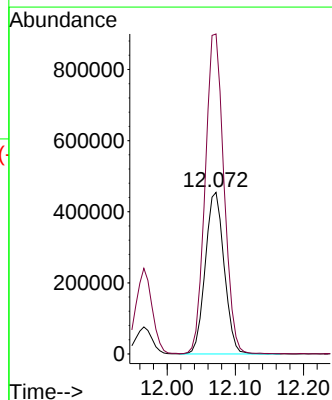
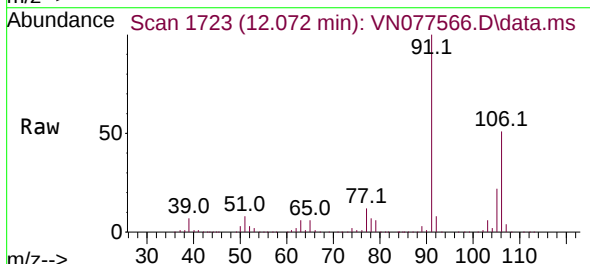
Instrument :
MSVOA_N
ClientSampleId :
AUD-1986

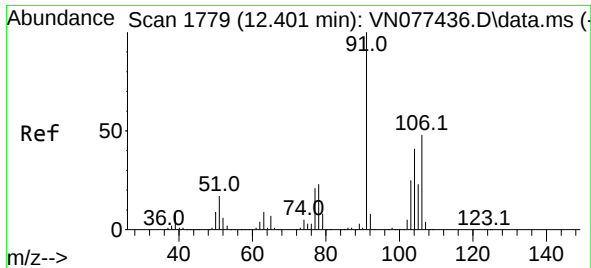
Tgt Ion: 91 Resp: 400662
Ion Ratio Lower Upper
91 100
106 31.5 25.6 38.4



#68
m/p-Xylenes
Concen: 52.615 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion:106 Resp: 873336
Ion Ratio Lower Upper
106 100
91 196.8 159.6 239.4

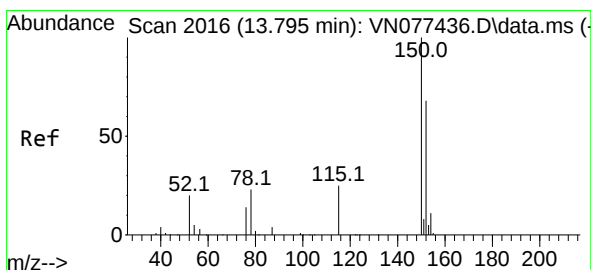
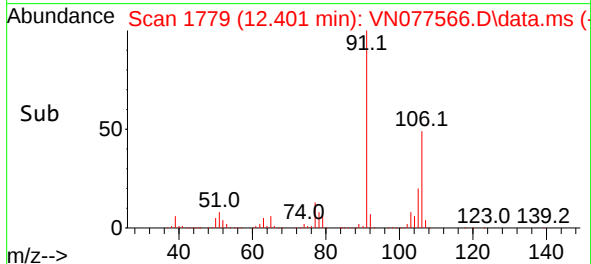
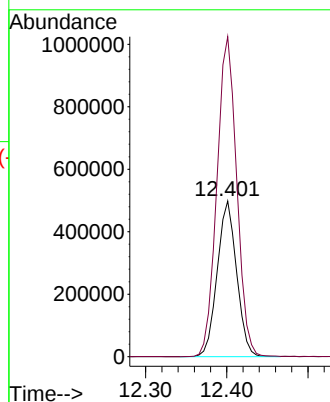
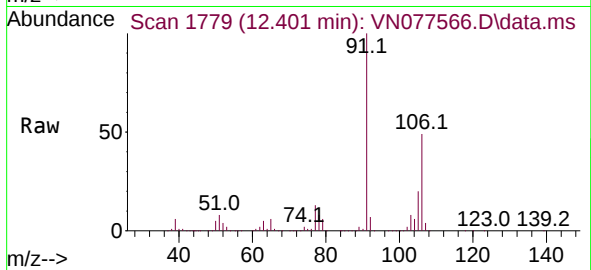




#69
o-Xylene
Concen: 50.680 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

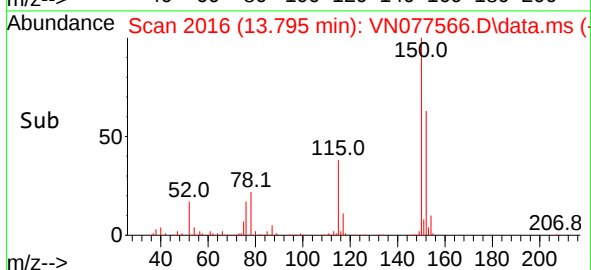
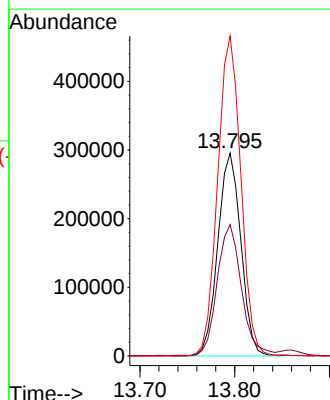
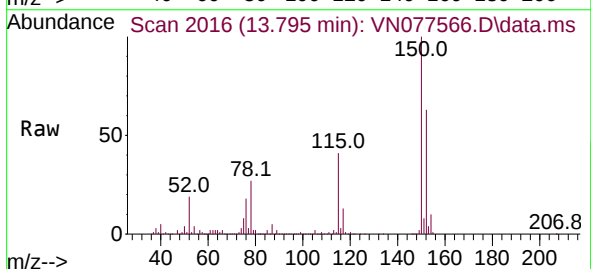
Instrument :
MSVOA_N
ClientSampleId :
AUD-1986

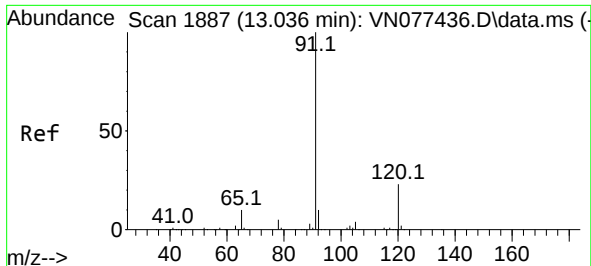
Tgt Ion:106 Resp: 827438
Ion Ratio Lower Upper
106 100
91 210.6 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion:152 Resp: 499806
Ion Ratio Lower Upper
152 100
115 68.8 32.3 96.8
150 158.8 0.0 355.8

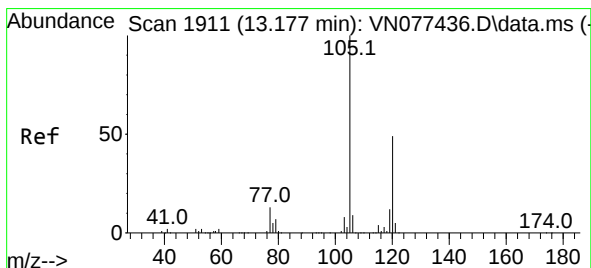
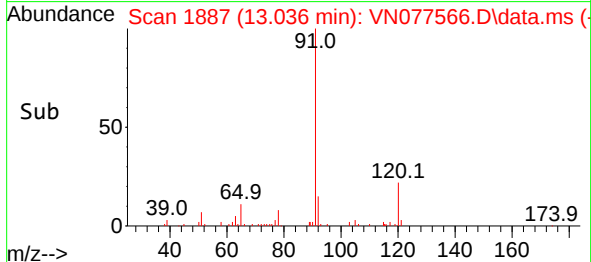
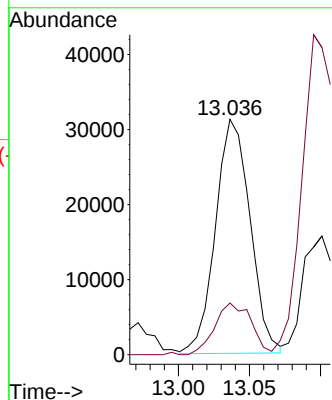
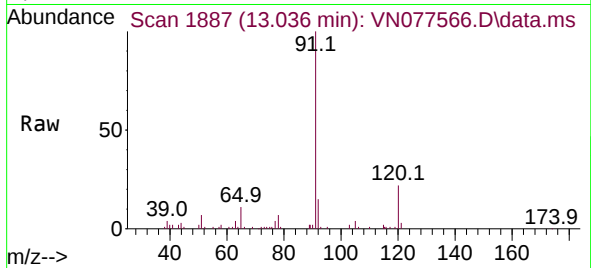




#78
n-propylbenzene
Concen: 1.031 ug/l
RT: 13.036 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

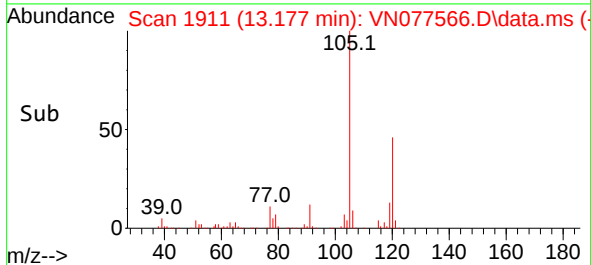
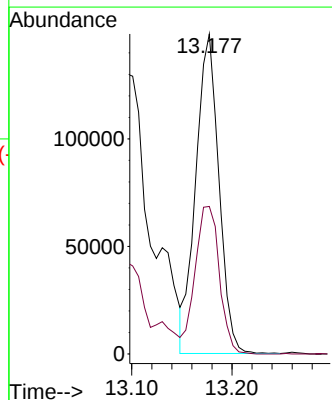
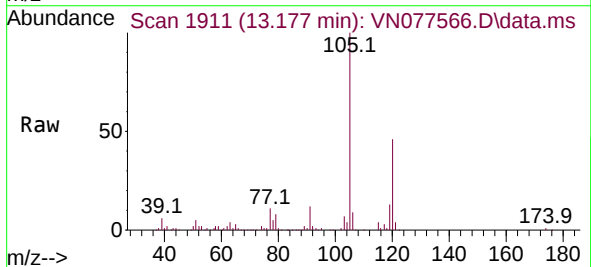
Instrument :
MSVOA_N
ClientSampleId :
AUD-1986

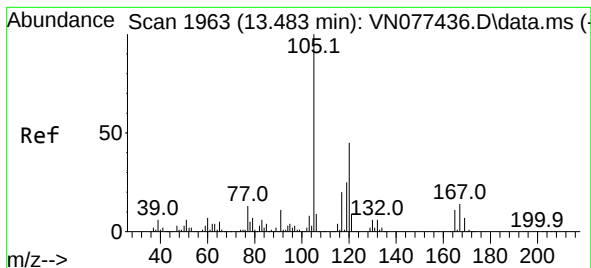
Tgt Ion: 91 Resp: 52896
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 6.906 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077566.D
Acq: 03 May 2023 16:33

Tgt Ion:105 Resp: 237871
Ion Ratio Lower Upper
105 100
120 48.8 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 28.141 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN077566.D

Acq: 03 May 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

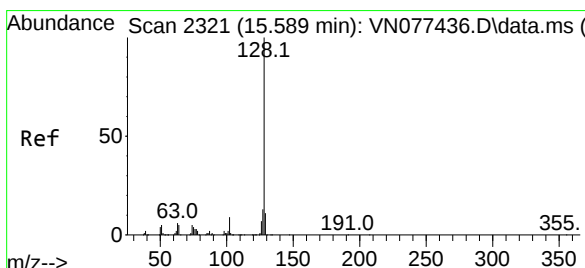
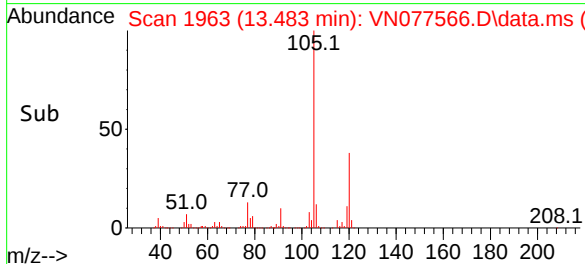
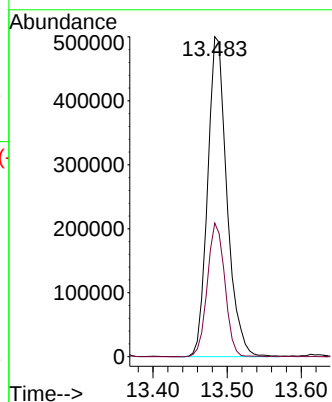
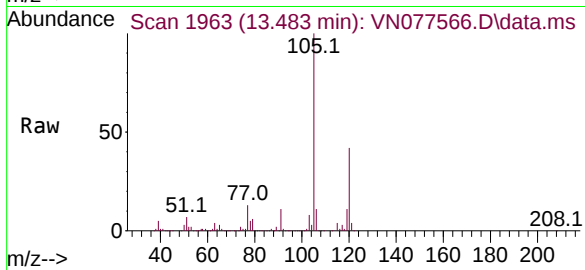
AUD-1986

Tgt Ion:105 Resp: 905210

Ion Ratio Lower Upper

105 100

120 37.8 22.0 66.0



#95

Naphthalene

Concen: 216.551 ug/l

RT: 15.642 min Scan# 2330

Delta R.T. 0.053 min

Lab File: VN077566.D

Acq: 03 May 2023 16:33

Tgt Ion:128 Resp:11368217

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 11.1 8.7 13.1

