

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050423\
 Data File : VN077582.D
 Acq On : 04 May 2023 16:36
 Operator : JC\MD
 Sample : 02566-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1990

Quant Time: May 05 04:11:02 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)

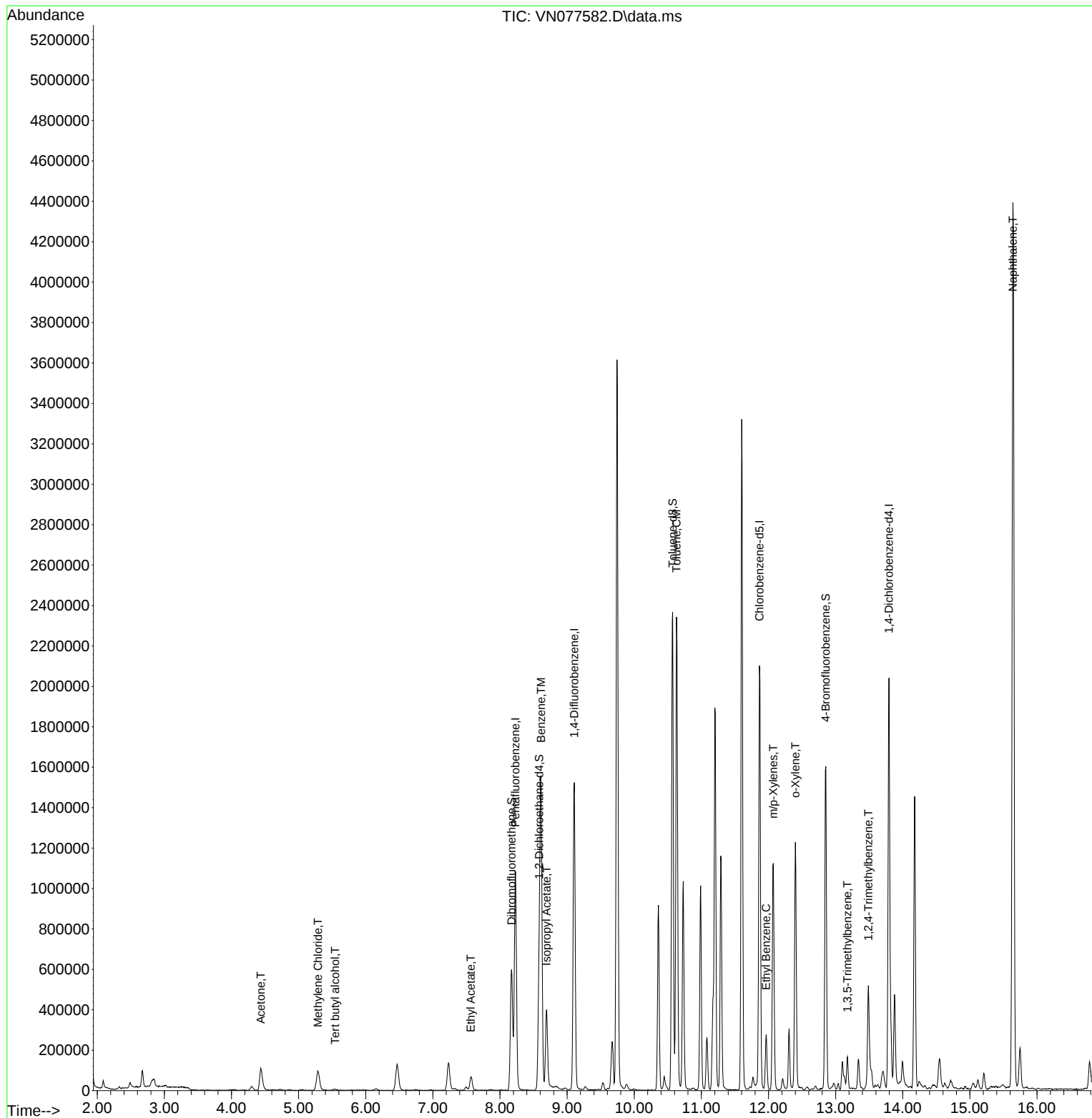
Internal Standards						
1) Pentafluorobenzene	8.230	168	795221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1483351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1372390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	564194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	470398	45.332	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.660%
35) Dibromofluoromethane	8.172	113	448671	50.324	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.640%
50) Toluene-d8	10.572	98	1781378	52.133	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.260%
62) 4-Bromofluorobenzene	12.854	95	632849	56.608	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	11349	6.813	ug/l #	93
16) Acetone	4.437	43	195043	59.081	ug/l	90
20) Methylene Chloride	5.290	84	93716	8.952	ug/l	88
37) Ethyl Acetate	7.566	43	92251	9.425	ug/l #	94
40) Benzene	8.613	78	1629943	41.539	ug/l	98
43) Isopropyl Acetate	8.695	43	417687	24.668	ug/l #	89
52) Toluene	10.630	92	1141601	44.411	ug/l	99
67) Ethyl Benzene	11.966	91	179514	3.511	ug/l	91
68) m/p-Xylenes	12.071	106	400740	20.169	ug/l	96
69) o-Xylene	12.401	106	363118	18.580	ug/l	96
80) 1,3,5-Trimethylbenzene	13.177	105	90792	2.335	ug/l	94
84) 1,2,4-Trimethylbenzene	13.489	105	339819	9.359	ug/l	90
95) Naphthalene	15.642	128	4464317m	116.126	ug/l	

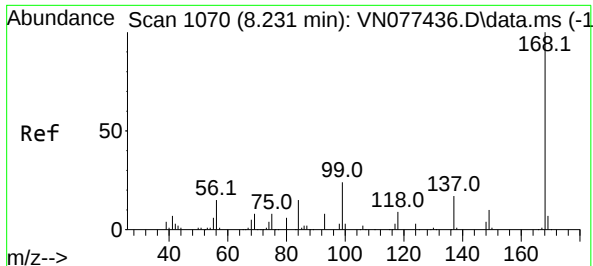
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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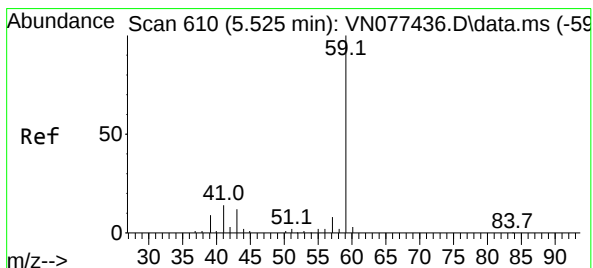
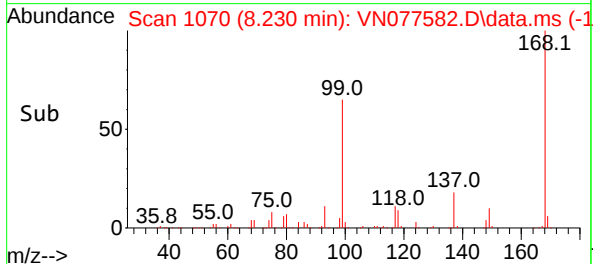
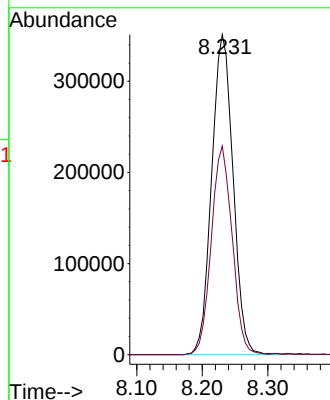
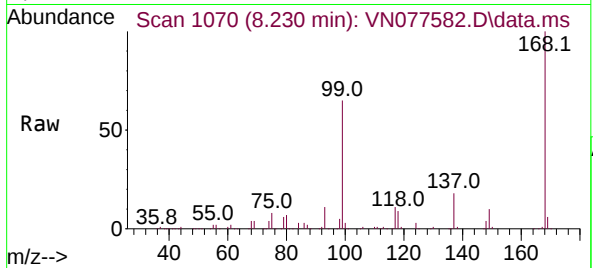




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

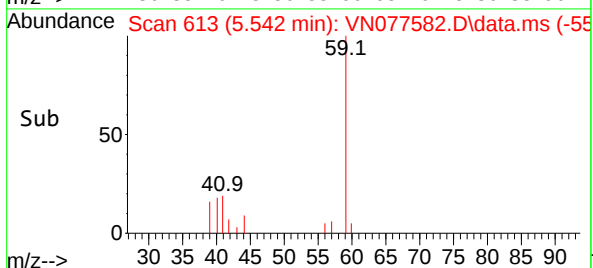
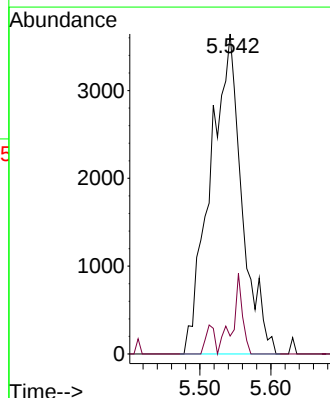
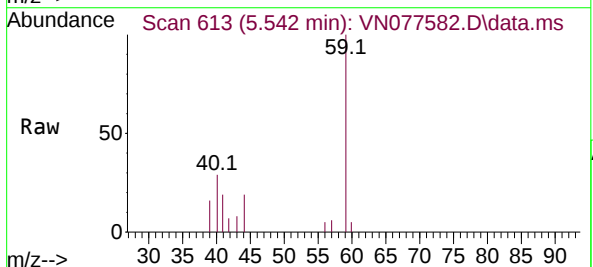
Instrument :
MSVOA_N
ClientSampleId :
AUD-1990

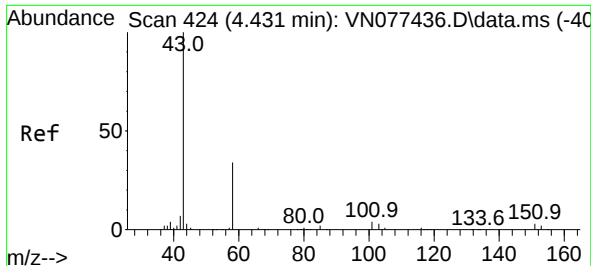
Tgt Ion:168 Resp: 795221
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#11
Tert butyl alcohol
Concen: 6.813 ug/l
RT: 5.542 min Scan# 613
Delta R.T. 0.018 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

Tgt Ion: 59 Resp: 11349
Ion Ratio Lower Upper
59 100
57 7.7 8.2 12.4#

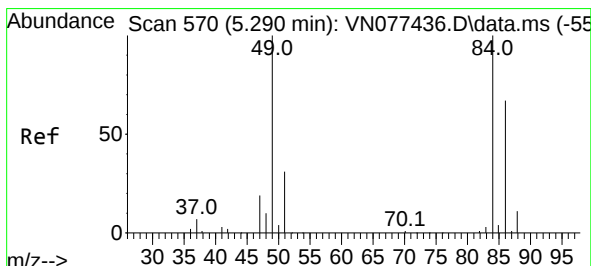
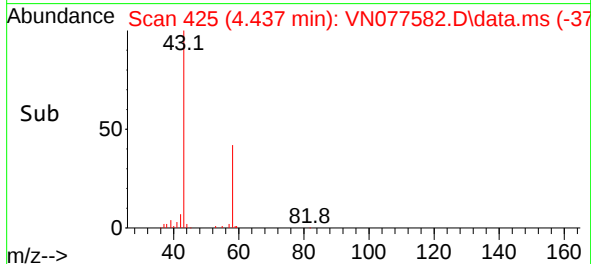
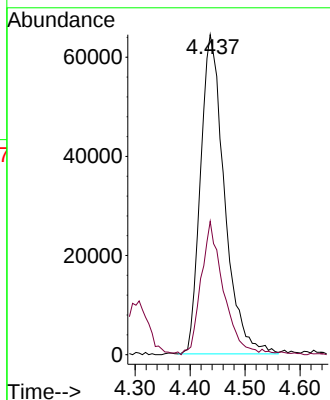
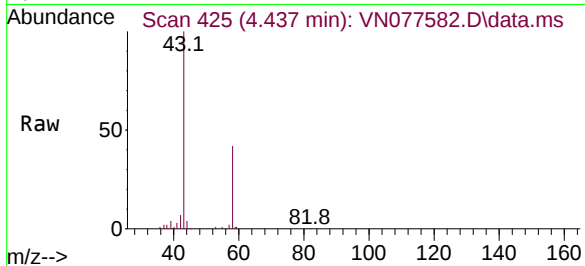




#16
Acetone
Concen: 59.081 ug/l
RT: 4.437 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

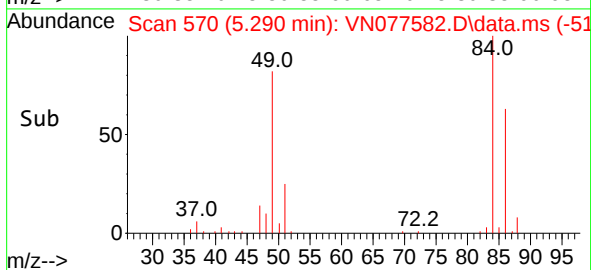
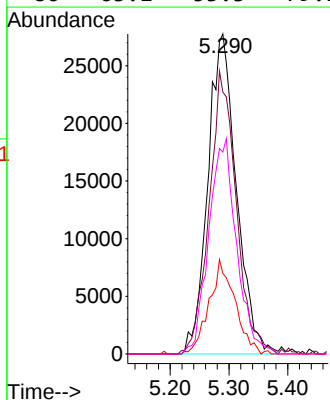
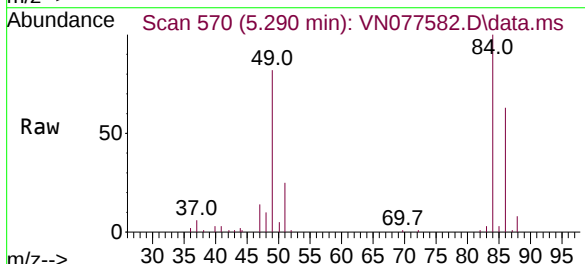
Instrument :
MSVOA_N
ClientSampleId :
AUD-1990

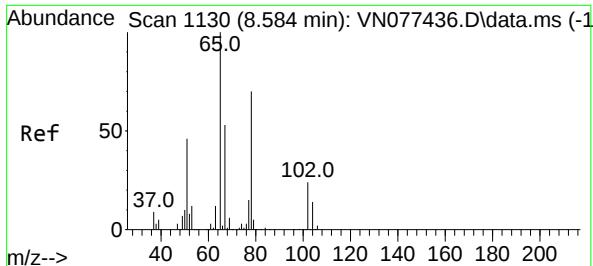
Tgt Ion: 43 Resp: 195043
Ion Ratio Lower Upper
43 100
58 41.0 28.0 42.0



#20
Methylene Chloride
Concen: 8.952 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

Tgt Ion: 84 Resp: 93716
Ion Ratio Lower Upper
84 100
49 81.9 79.7 119.5
51 25.2 25.2 37.8
86 63.1 53.3 79.9





#33

1,2-Dichloroethane-d4

Concen: 45.332 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

Instrument :

MSVOA_N

ClientSampleId :

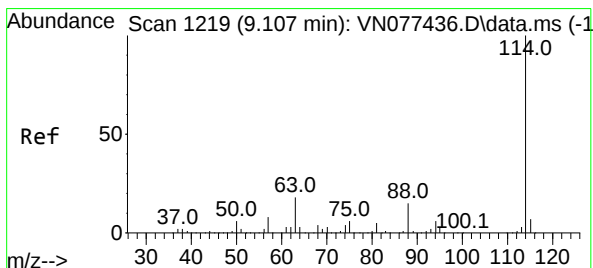
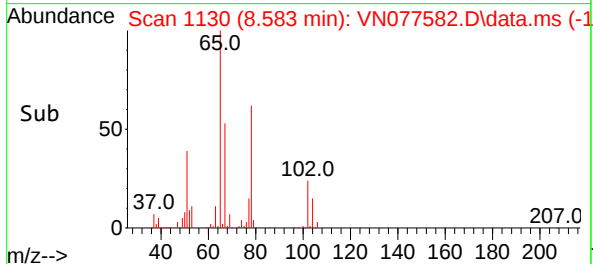
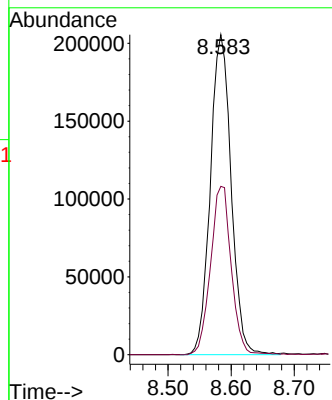
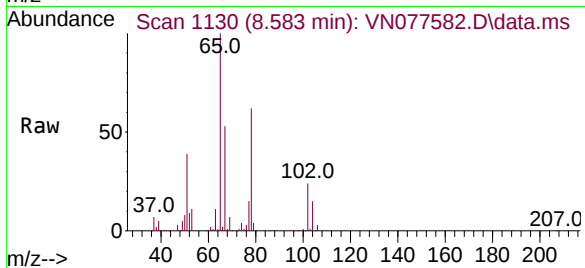
AUD-1990

Tgt Ion: 65 Resp: 470398

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

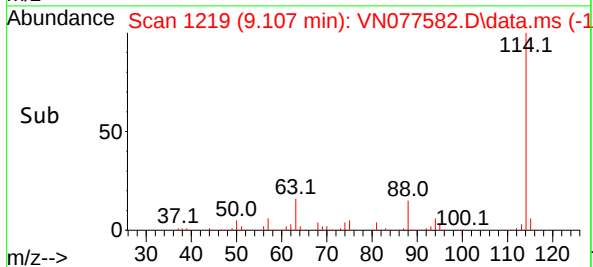
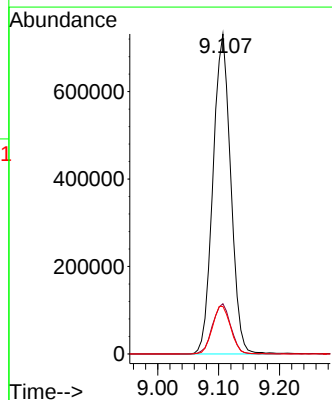
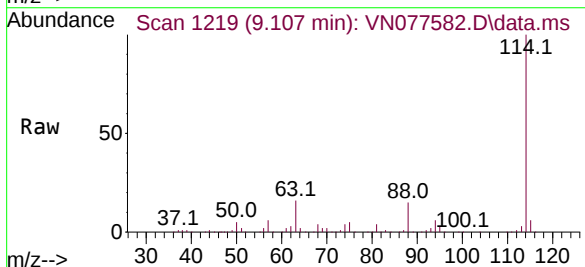
Tgt Ion: 114 Resp: 1483351

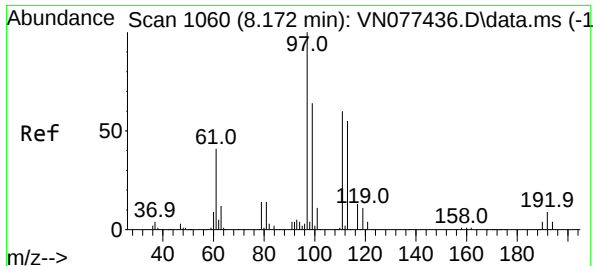
Ion Ratio Lower Upper

114 100

63 15.7 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.324 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

Instrument :

MSVOA_N

ClientSampleId :

AUD-1990

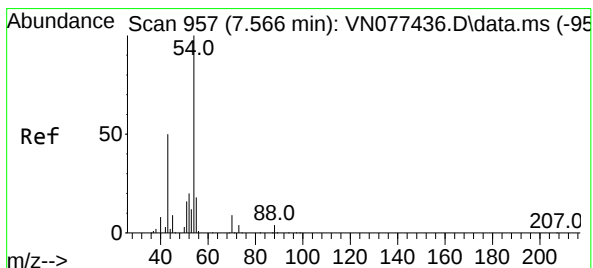
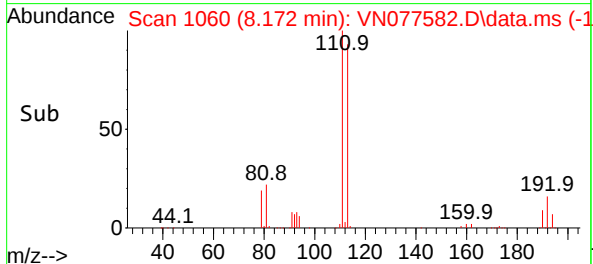
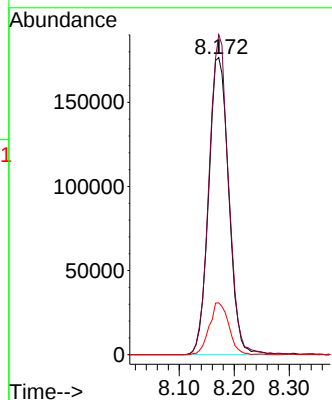
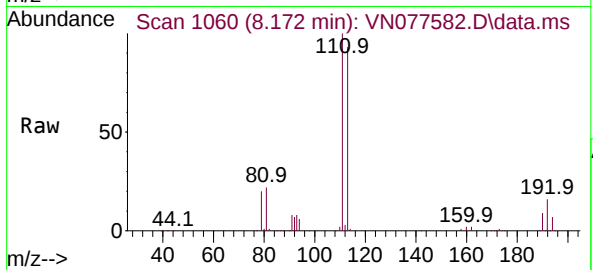
Tgt Ion:113 Resp: 448671

Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 16.9 12.7 19.1



#37

Ethyl Acetate

Concen: 9.425 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

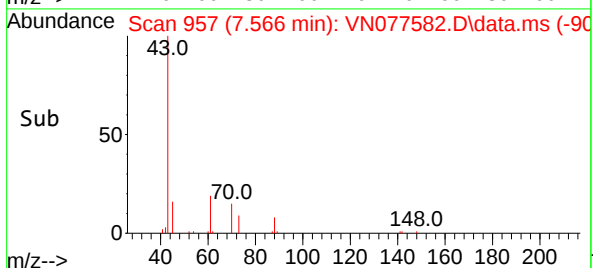
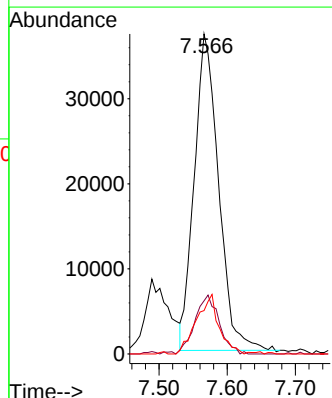
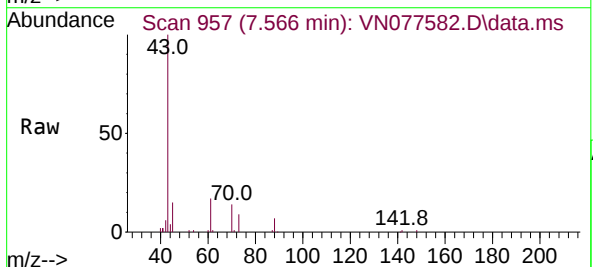
Tgt Ion: 43 Resp: 92251

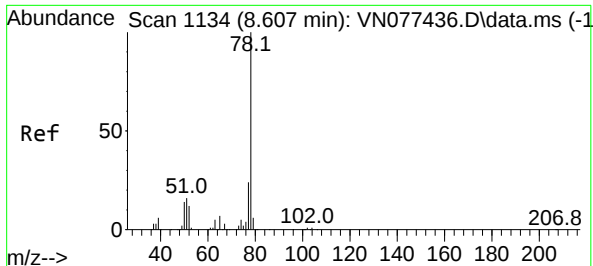
Ion Ratio Lower Upper

43 100

61 18.5 13.2 19.8

70 17.4 11.3 16.9#





#40

Benzene

Concen: 41.539 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

Instrument :

MSVOA_N

ClientSampleId :

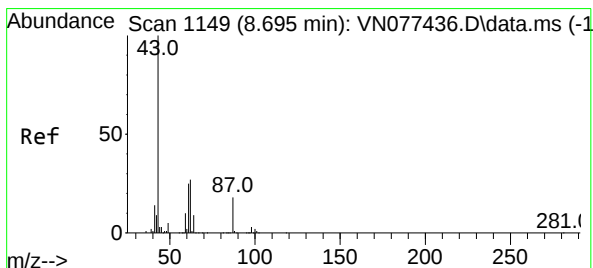
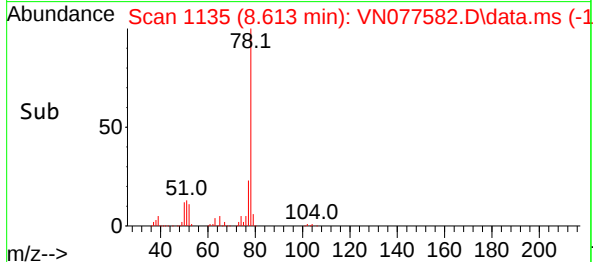
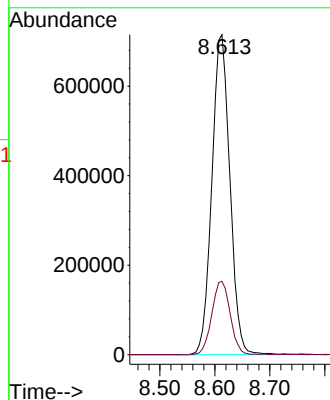
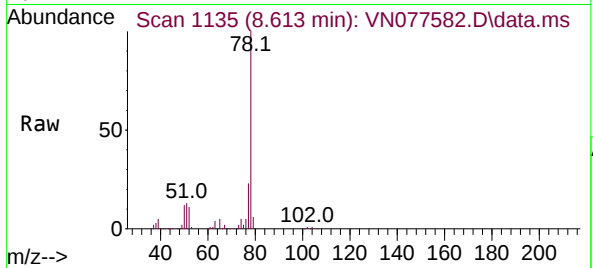
AUD-1990

Tgt Ion: 78 Resp: 1629943

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.6



#43

Isopropyl Acetate

Concen: 24.668 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

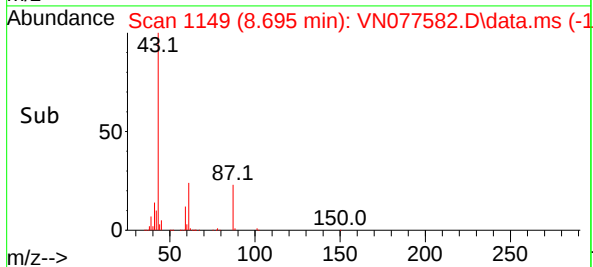
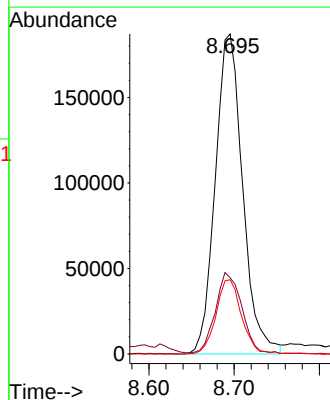
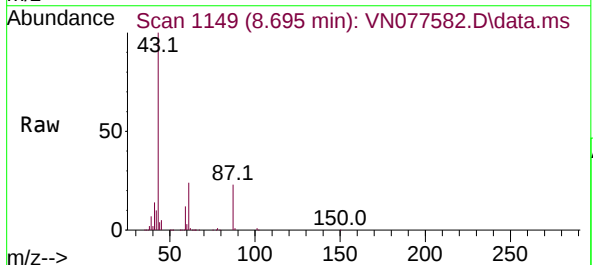
Tgt Ion: 43 Resp: 417687

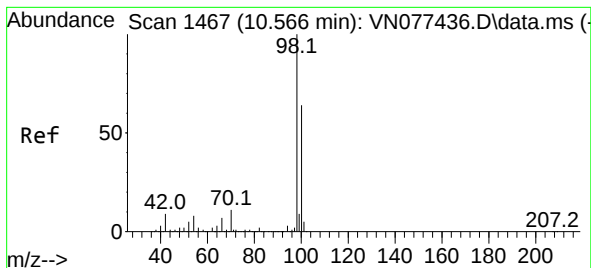
Ion Ratio Lower Upper

43 100

61 24.0 24.7 37.1#

87 21.7 14.6 21.8





#50

Toluene-d8

Concen: 52.133 ug/l

RT: 10.572 min Scan# 1467

Delta R.T. 0.006 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

Instrument :

MSVOA_N

ClientSampleId :

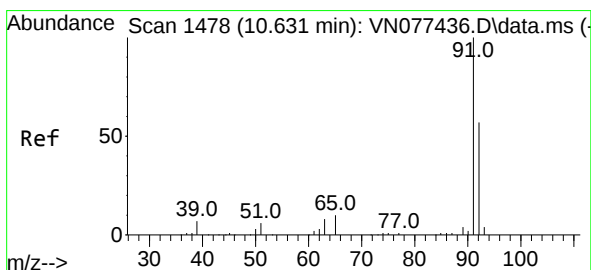
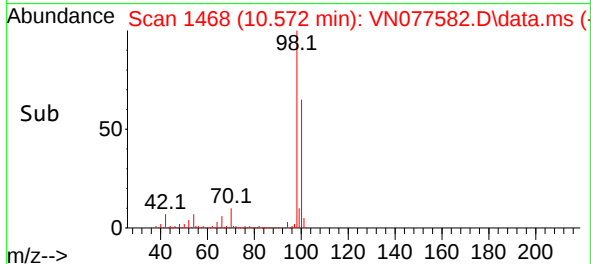
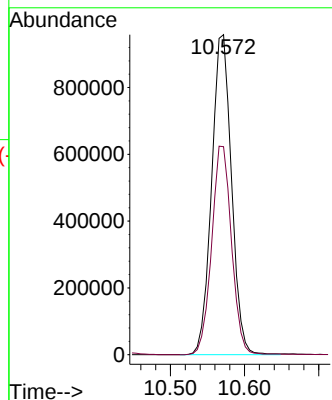
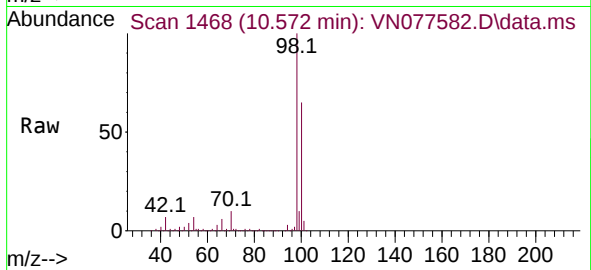
AUD-1990

Tgt Ion: 98 Resp: 1781378

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0



#52

Toluene

Concen: 44.411 ug/l

RT: 10.630 min Scan# 1478

Delta R.T. -0.000 min

Lab File: VN077582.D

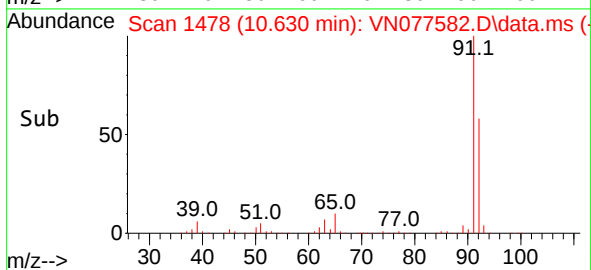
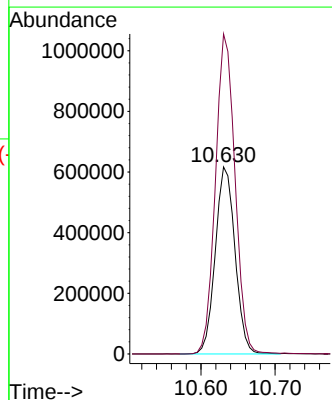
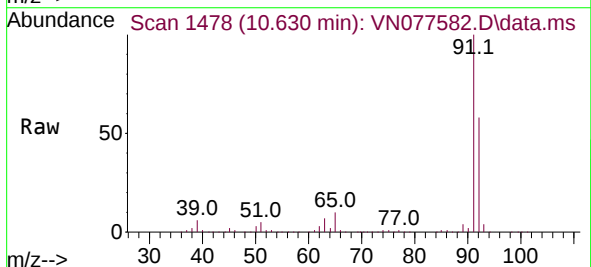
Acq: 04 May 2023 16:36

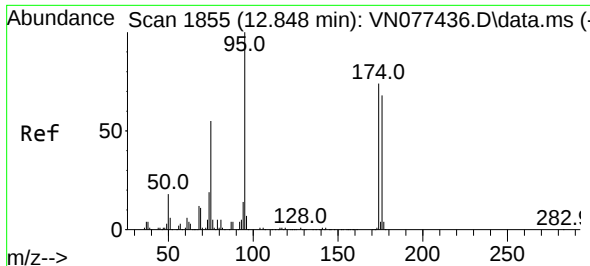
Tgt Ion: 92 Resp: 1141601

Ion Ratio Lower Upper

92 100

91 170.0 137.4 206.0

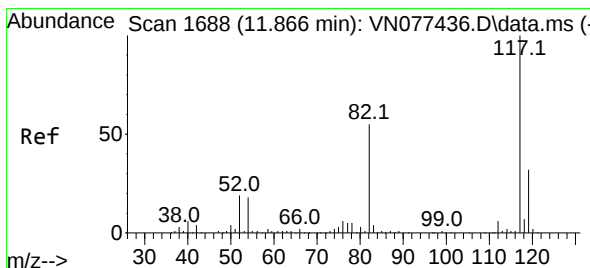
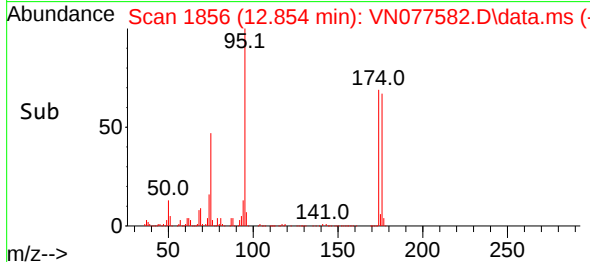
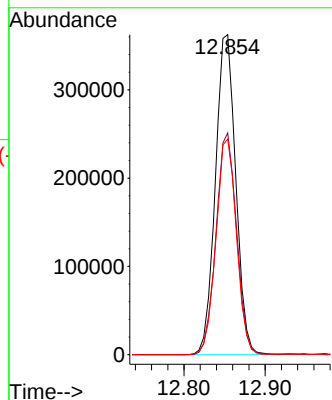
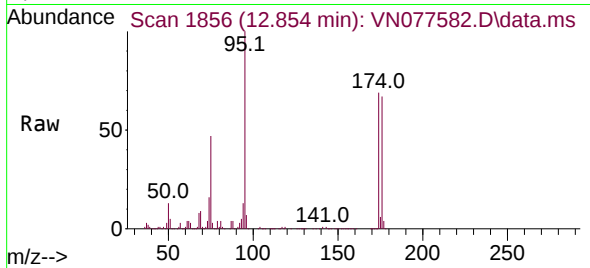




#62
4-Bromofluorobenzene
Concen: 56.608 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

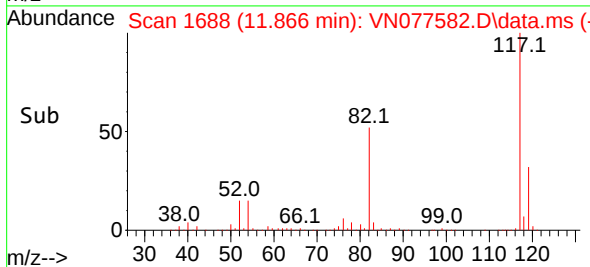
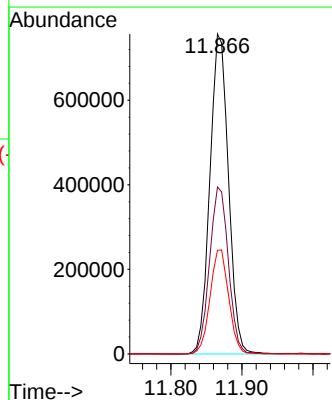
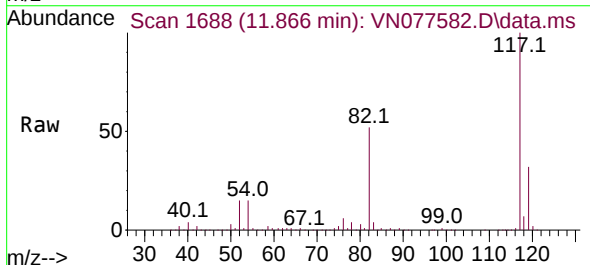
Instrument :
MSVOA_N
ClientSampleId :
AUD-1990

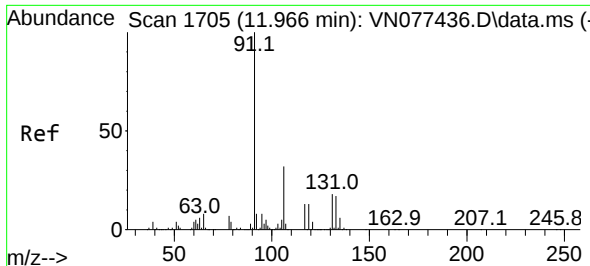
Tgt Ion: 95 Resp: 632849
Ion Ratio Lower Upper
95 100
174 69.9 0.0 143.8
176 67.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

Tgt Ion: 117 Resp: 1372390
Ion Ratio Lower Upper
117 100
82 52.2 44.0 66.0
119 32.4 25.6 38.4

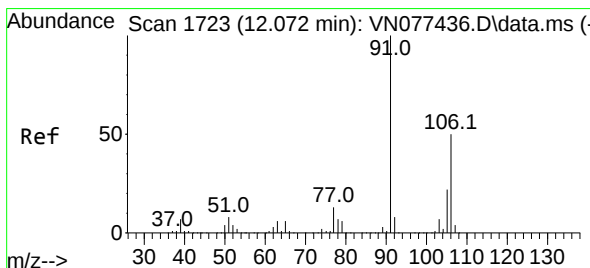
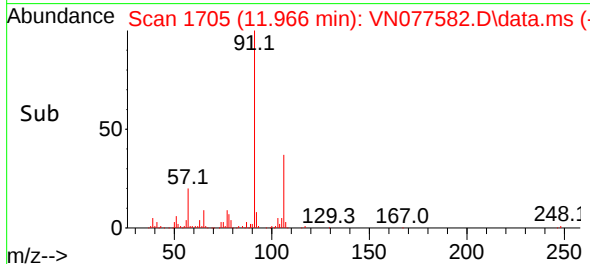
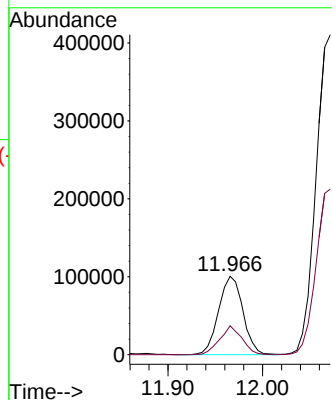
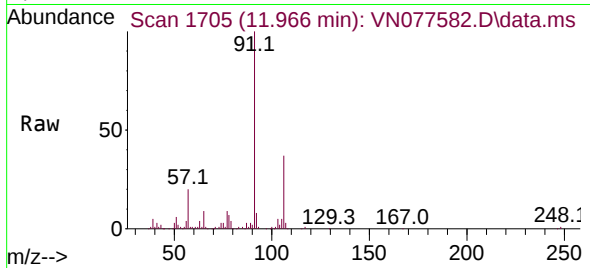




#67
Ethyl Benzene
Concen: 3.511 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

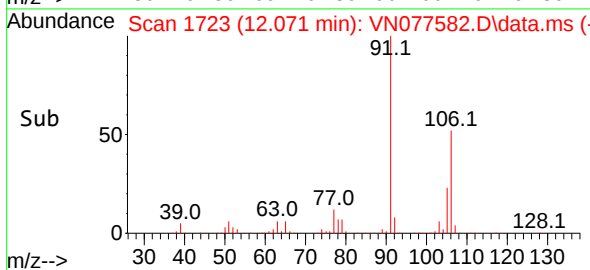
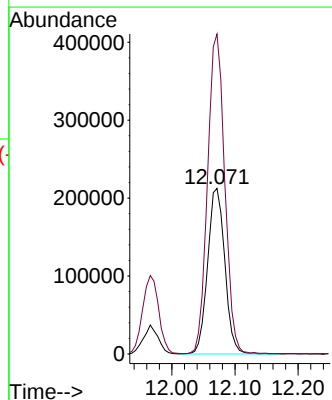
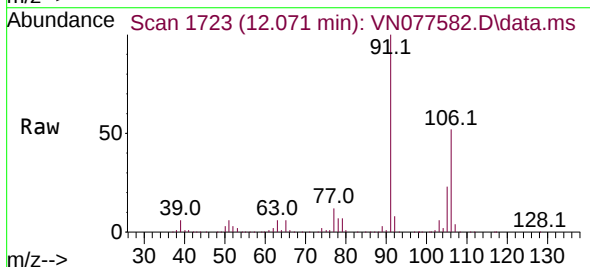
Instrument :
MSVOA_N
ClientSampleId :
AUD-1990

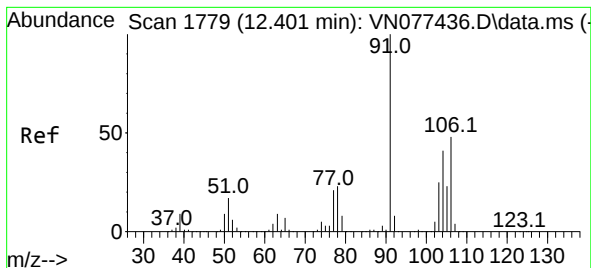
Tgt Ion: 91 Resp: 179514
Ion Ratio Lower Upper
91 100
106 37.0 25.6 38.4



#68
m/p-Xylenes
Concen: 20.169 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

Tgt Ion: 106 Resp: 400740
Ion Ratio Lower Upper
106 100
91 193.9 159.6 239.4





#69

o-Xylene

Concen: 18.580 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

Instrument :

MSVOA_N

ClientSampleId :

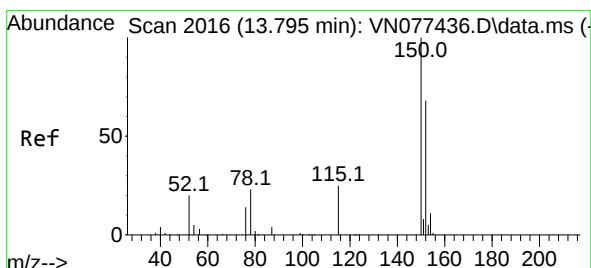
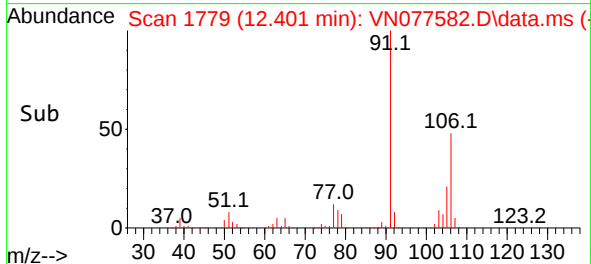
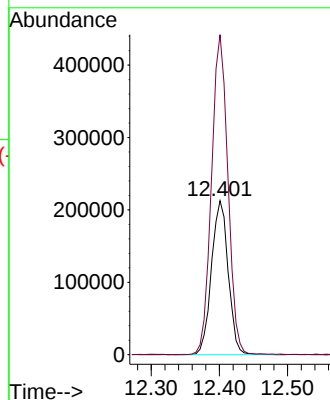
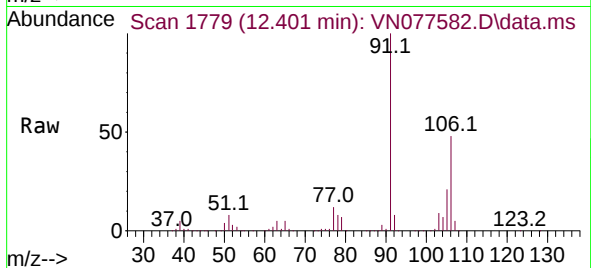
AUD-1990

Tgt Ion:106 Resp: 363118

Ion Ratio Lower Upper

106 100

91 204.3 105.2 315.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077582.D

Acq: 04 May 2023 16:36

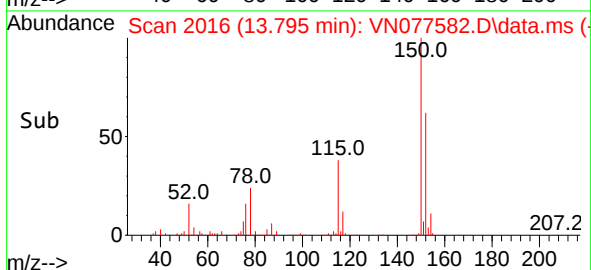
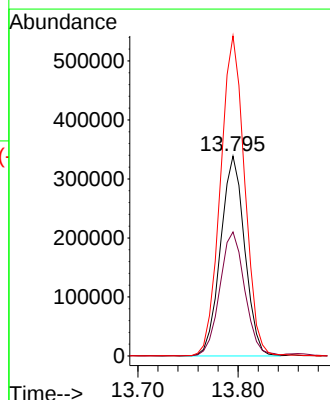
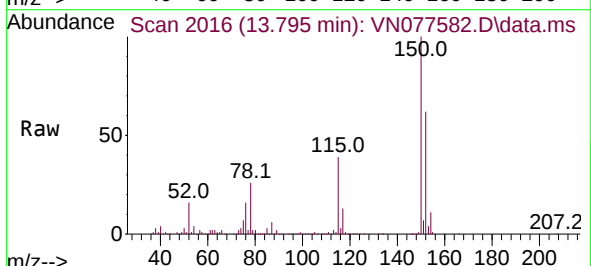
Tgt Ion:152 Resp: 564194

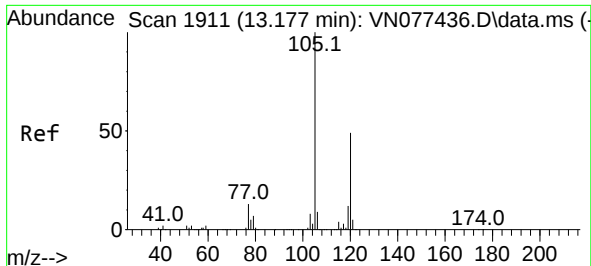
Ion Ratio Lower Upper

152 100

115 64.2 32.3 96.8

150 161.1 0.0 355.8

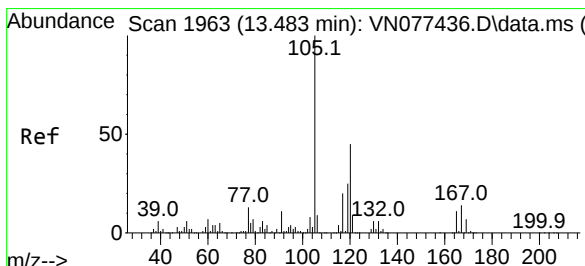
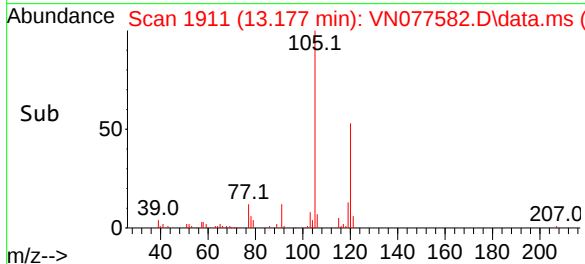
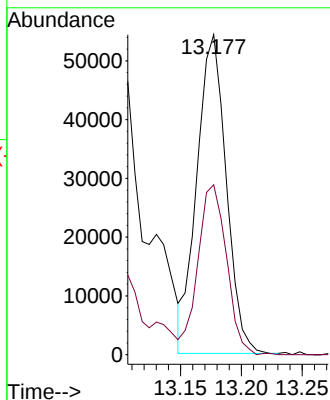
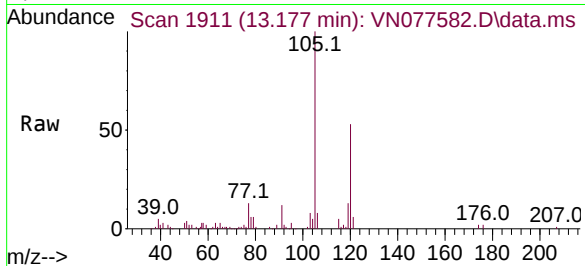




#80
 1,3,5-Trimethylbenzene
 Concen: 2.335 ug/l
 RT: 13.177 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VN077582.D
 Acq: 04 May 2023 16:36

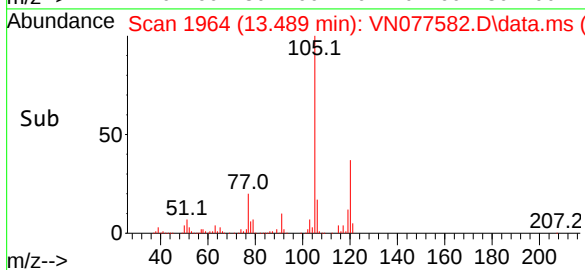
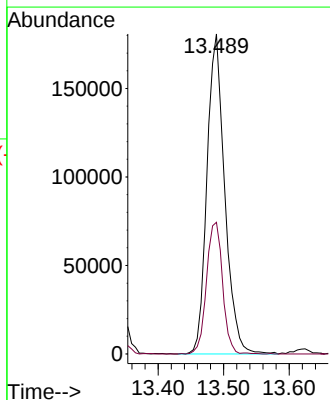
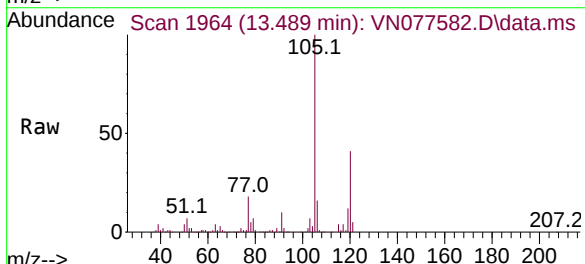
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1990

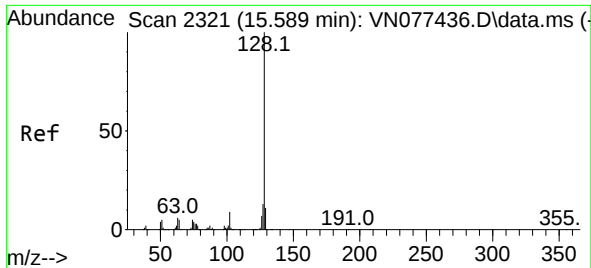
Tgt Ion:105 Resp: 90792
 Ion Ratio Lower Upper
 105 100
 120 52.1 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 9.359 ug/l
 RT: 13.489 min Scan# 1964
 Delta R.T. 0.006 min
 Lab File: VN077582.D
 Acq: 04 May 2023 16:36

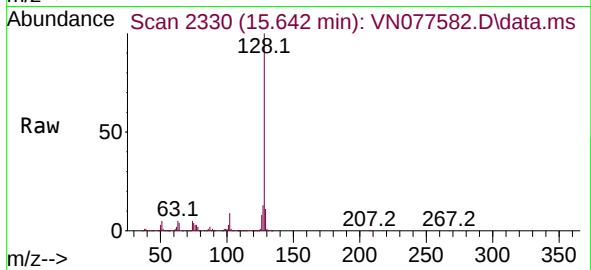
Tgt Ion:105 Resp: 339819
 Ion Ratio Lower Upper
 105 100
 120 37.4 22.0 66.0





#95
Naphthalene
Concen: 116.126 ug/l m
RT: 15.642 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN077582.D
Acq: 04 May 2023 16:36

Instrument :
MSVOA_N
ClientSampleId :
AUD-1990



Tgt Ion:128 Resp: 4464317
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

