

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050323\
 Data File : VN077567.D
 Acq On : 03 May 2023 16:57
 Operator : JC\MD
 Sample : 02566-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1987

Quant Time: May 04 04:50:17 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)

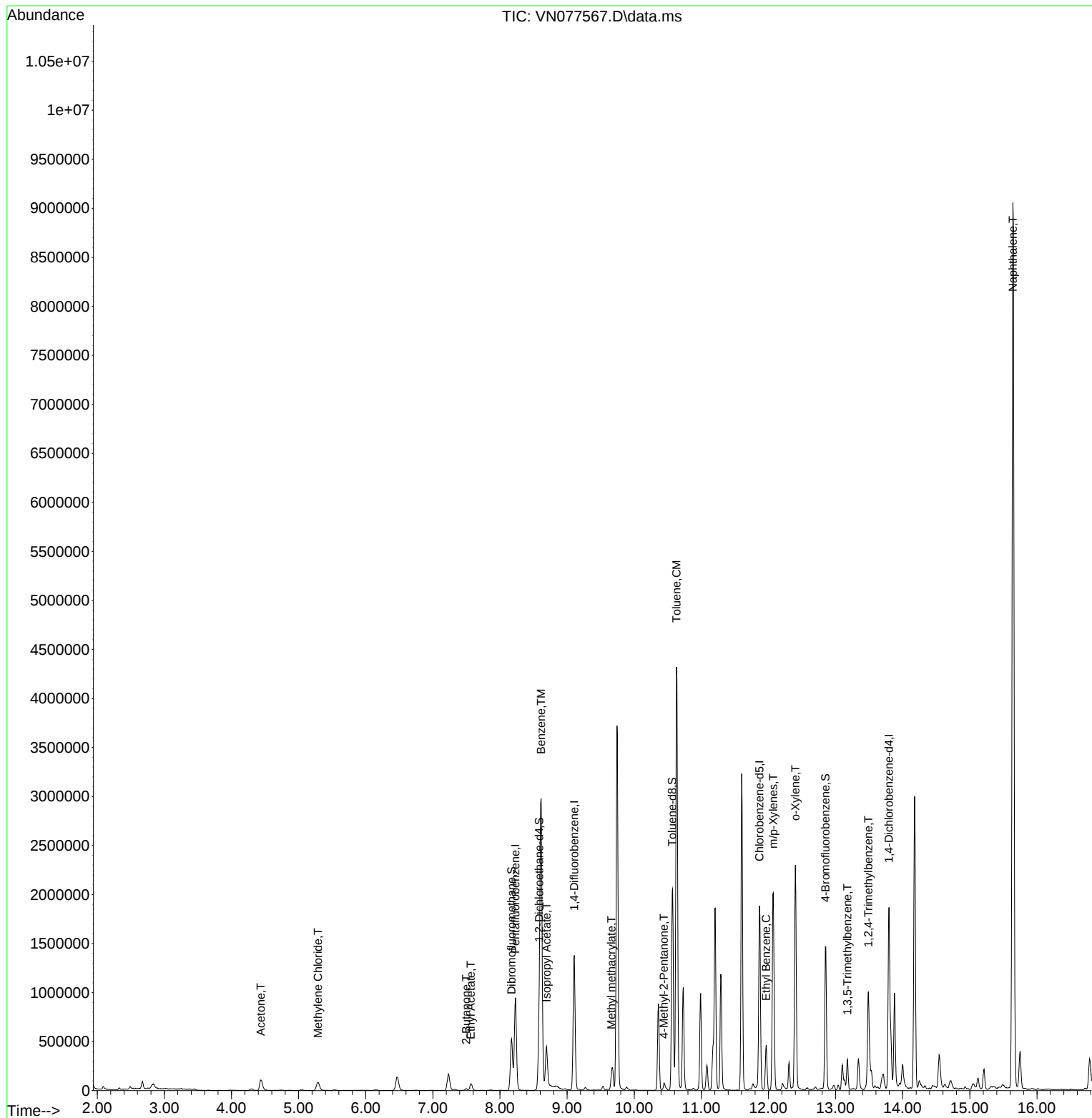
Internal Standards						
1) Pentafluorobenzene	8.231	168	670843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1285649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1185594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	502371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	430123	49.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.280%		
35) Dibromofluoromethane	8.172	113	386082	49.963	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.920%		
50) Toluene-d8	10.566	98	1572968	53.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.220%		
62) 4-Bromofluorobenzene	12.848	95	537732	55.496	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.000%		
Target Compounds					Qvalue	
16) Acetone	4.437	43	206874	74.284	ug/l	89
20) Methylene Chloride	5.290	84	80376	9.101	ug/l #	86
25) 2-Butanone	7.495	43	23646	5.986	ug/l	97
37) Ethyl Acetate	7.566	43	97036	11.439	ug/l	97
40) Benzene	8.613	78	3263051	95.947	ug/l	99
43) Isopropyl Acetate	8.695	43	513194	34.969	ug/l #	85
48) Methyl methacrylate	9.660	41	17566	2.630	ug/l #	29
51) 4-Methyl-2-Pentanone	10.442	43	55689	6.469	ug/l	87
52) Toluene	10.630	92	2078049	93.272	ug/l	100
67) Ethyl Benzene	11.966	91	322227	7.296	ug/l	98
68) m/p-Xylenes	12.072	106	690138	40.207	ug/l	97
69) o-Xylene	12.401	106	660087	39.097	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	177281	5.121	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	670562	20.740	ug/l	90
95) Naphthalene	15.642	128	9031087	189.220	ug/l	100

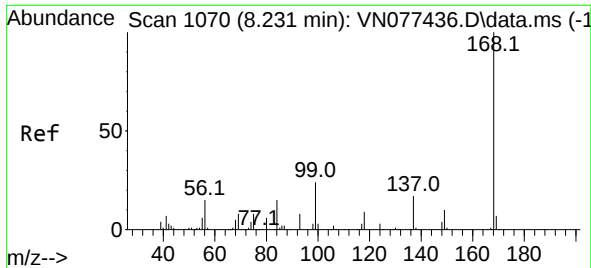
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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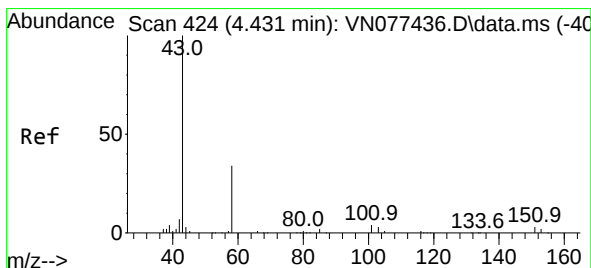
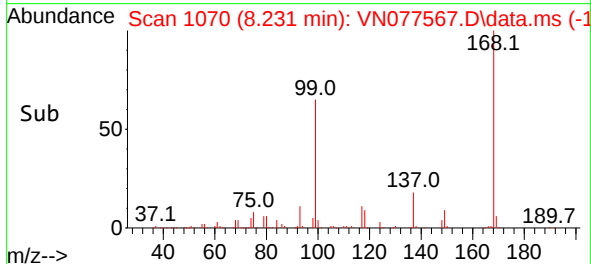
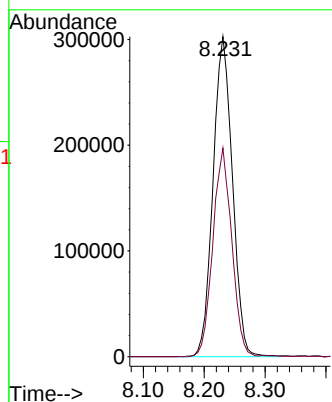
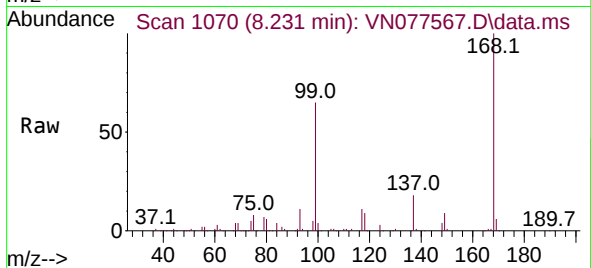




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

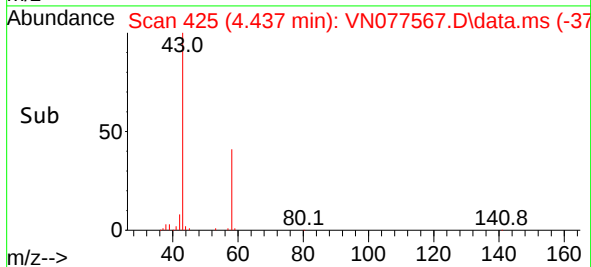
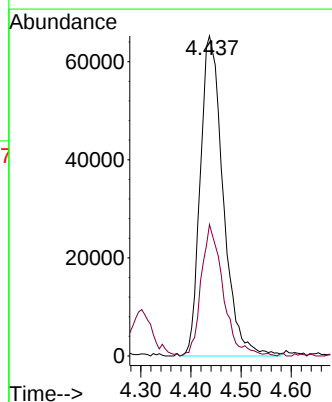
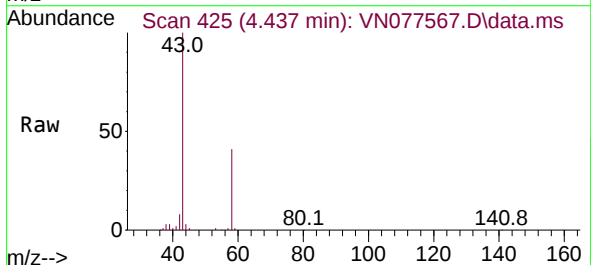
Instrument :
MSVOA_N
ClientSampleId :
AUD-1987

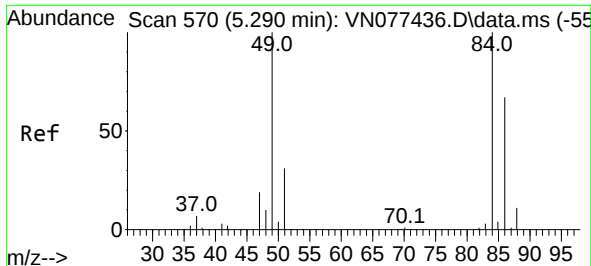
Tgt Ion:168 Resp: 670843
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#16
Acetone
Concen: 74.284 ug/l
RT: 4.437 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Tgt Ion: 43 Resp: 206874
Ion Ratio Lower Upper
43 100
58 41.1 28.0 42.0





#20

Methylene Chloride

Concen: 9.101 ug/l

RT: 5.290 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN077567.D

Acq: 03 May 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

AUD-1987

Tgt Ion: 84 Resp: 80376

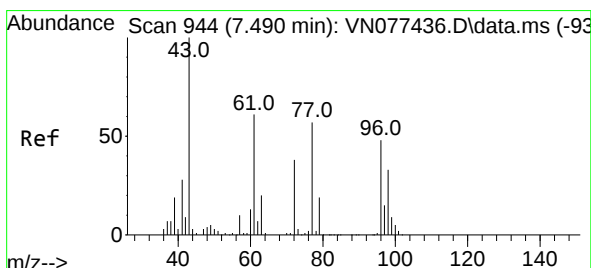
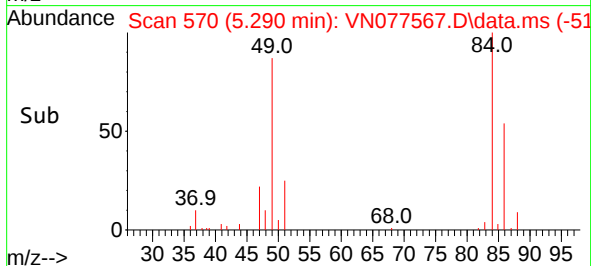
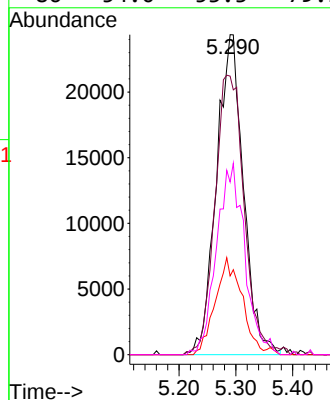
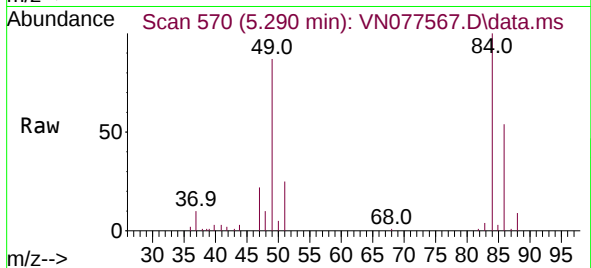
Ion Ratio Lower Upper

84 100

49 87.1 79.7 119.5

51 24.6 25.2 37.8#

86 54.0 53.3 79.9



#25

2-Butanone

Concen: 5.986 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.006 min

Lab File: VN077567.D

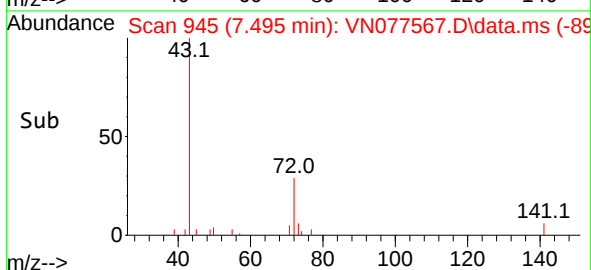
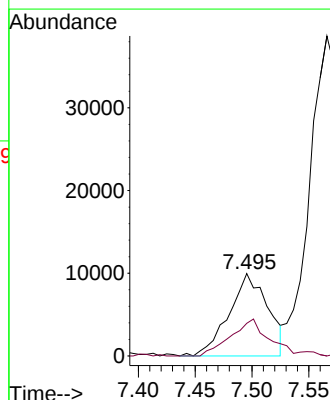
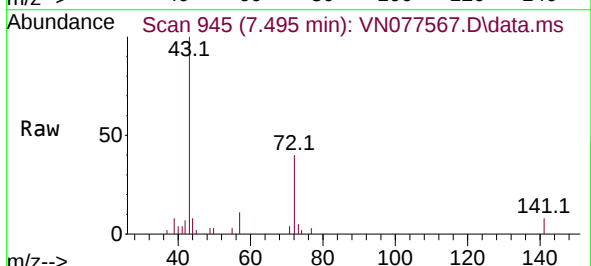
Acq: 03 May 2023 16:57

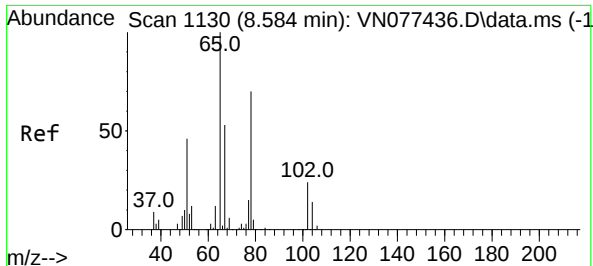
Tgt Ion: 43 Resp: 23646

Ion Ratio Lower Upper

43 100

72 39.5 30.2 45.2





#33

1,2-Dichloroethane-d4

Concen: 49.136 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077567.D

Acq: 03 May 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

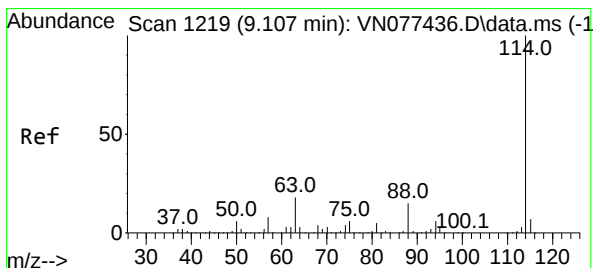
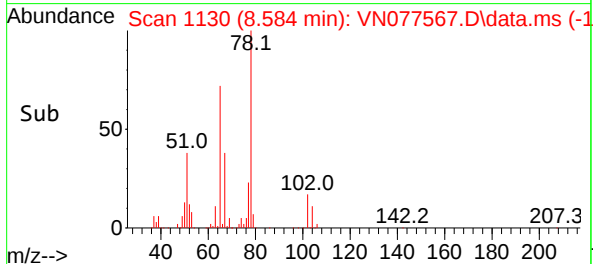
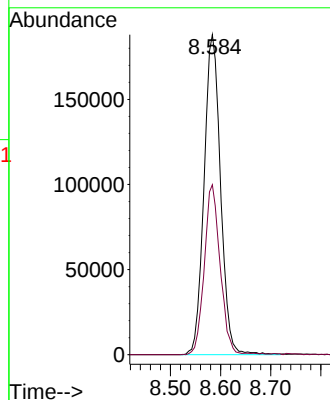
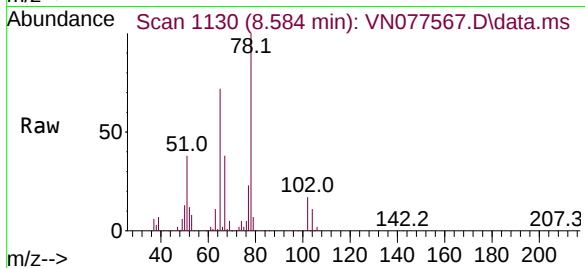
AUD-1987

Tgt Ion: 65 Resp: 430123

Ion Ratio Lower Upper

65 100

67 50.8 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: VN077567.D

Acq: 03 May 2023 16:57

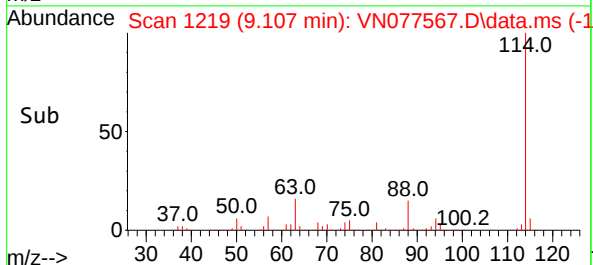
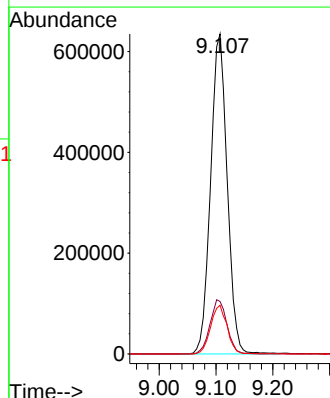
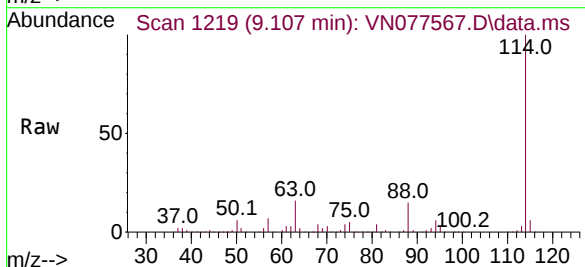
Tgt Ion: 114 Resp: 1285649

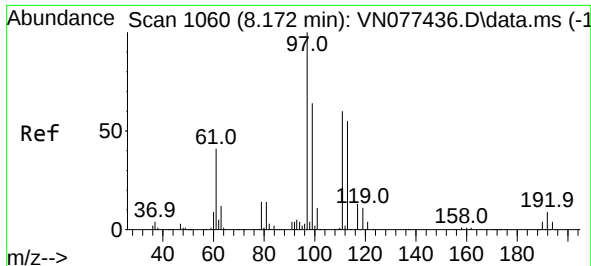
Ion Ratio Lower Upper

114 100

63 16.4 0.0 36.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.963 ug/l

RT: 8.172 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077567.D

Acq: 03 May 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

AUD-1987

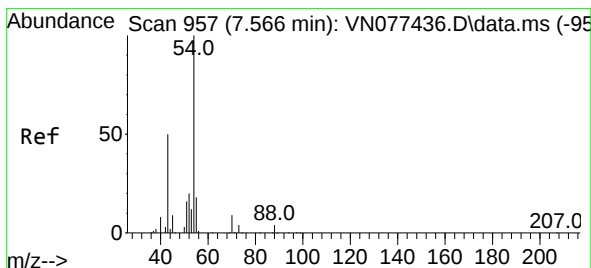
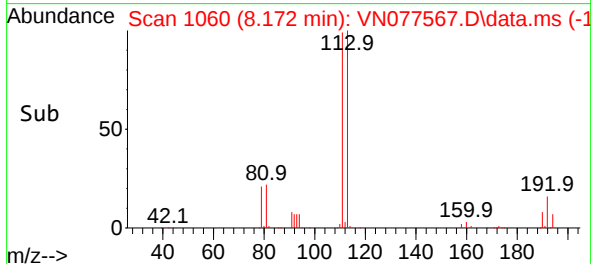
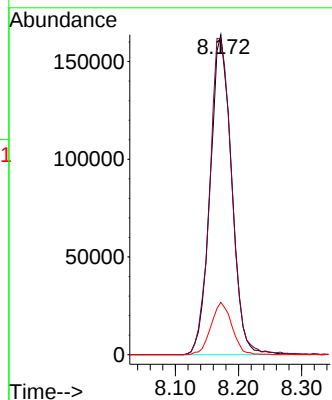
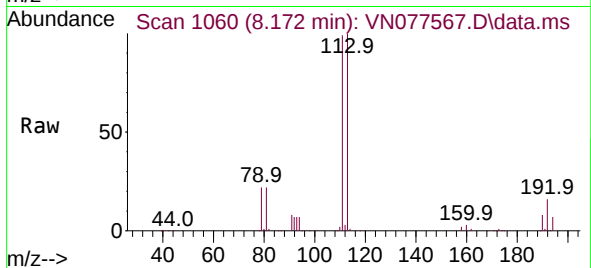
Tgt Ion:113 Resp: 386082

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 16.0 12.7 19.1



#37

Ethyl Acetate

Concen: 11.439 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077567.D

Acq: 03 May 2023 16:57

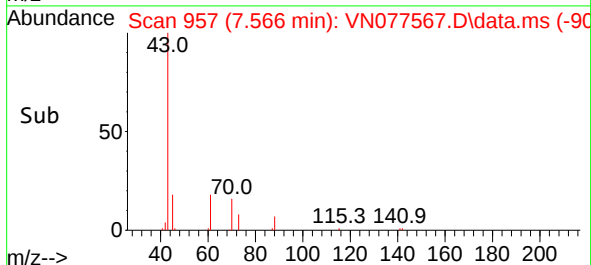
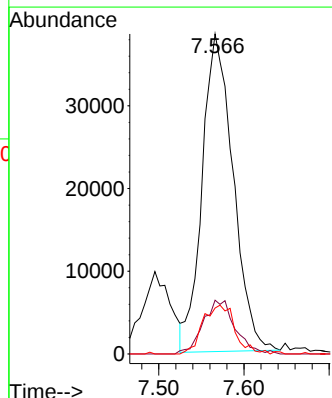
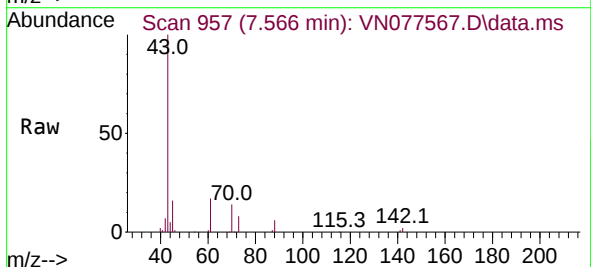
Tgt Ion: 43 Resp: 97036

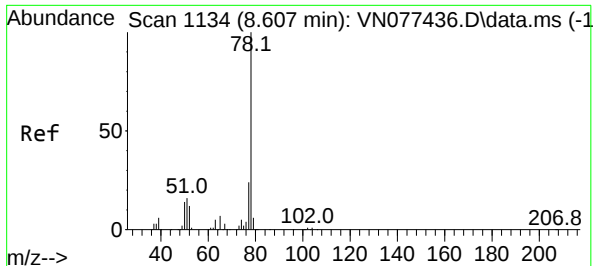
Ion Ratio Lower Upper

43 100

61 17.6 13.2 19.8

70 15.9 11.3 16.9

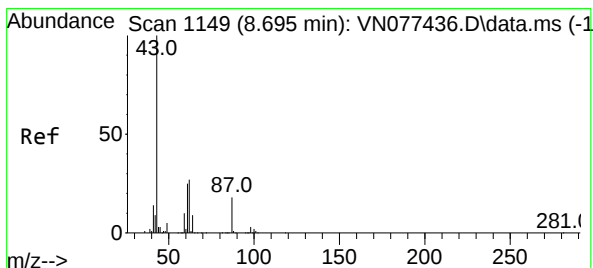
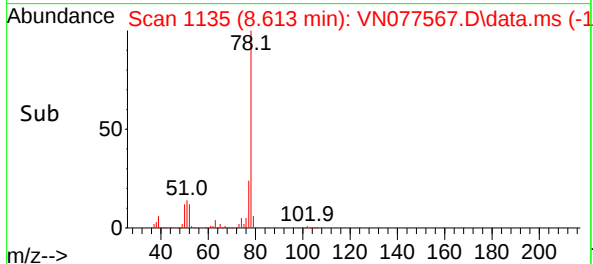
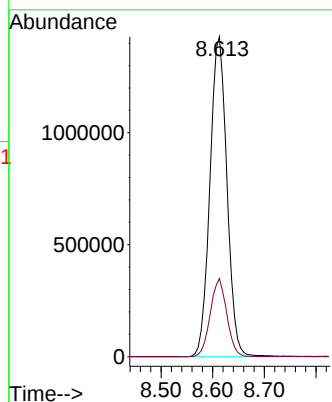
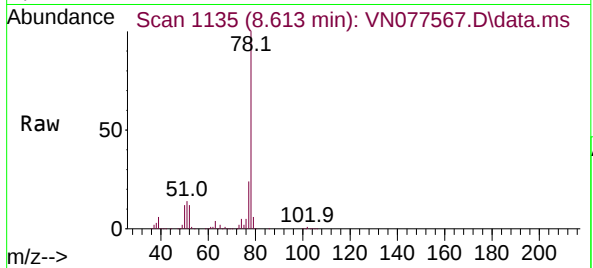




#40
Benzene
Concen: 95.947 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

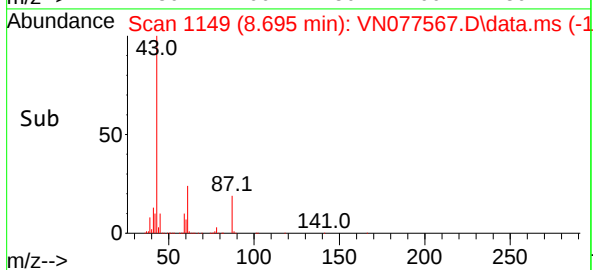
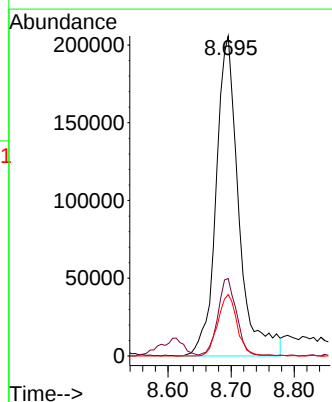
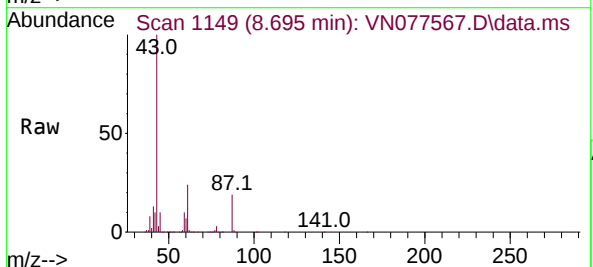
Instrument :
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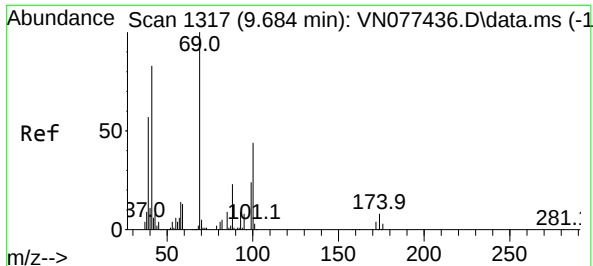
Tgt Ion: 78 Resp: 3263051
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6



#43
Isopropyl Acetate
Concen: 34.969 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Tgt Ion: 43 Resp: 513194
Ion Ratio Lower Upper
43 100
61 19.4 24.7 37.1#
87 16.3 14.6 21.8

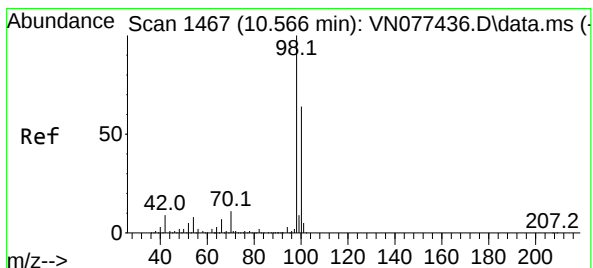
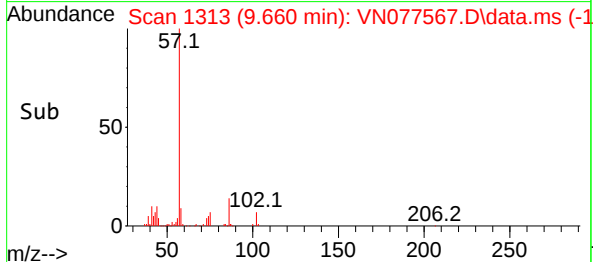
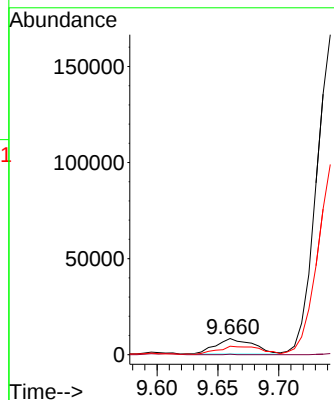
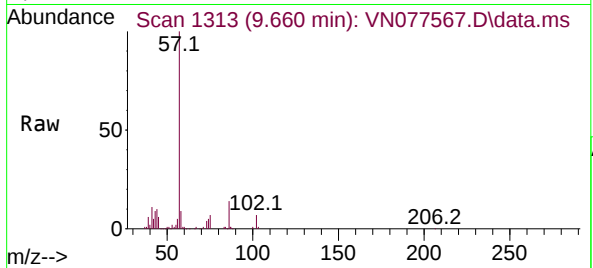




#48
Methyl methacrylate
Concen: 2.630 ug/l
RT: 9.660 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

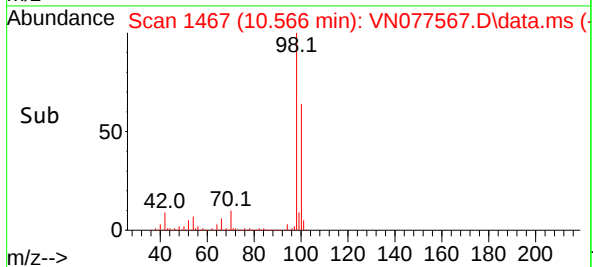
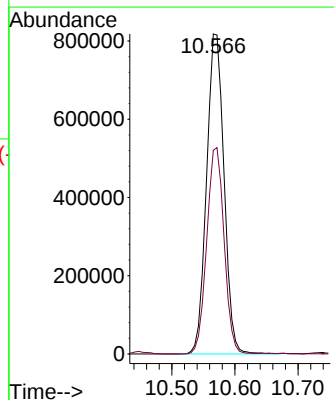
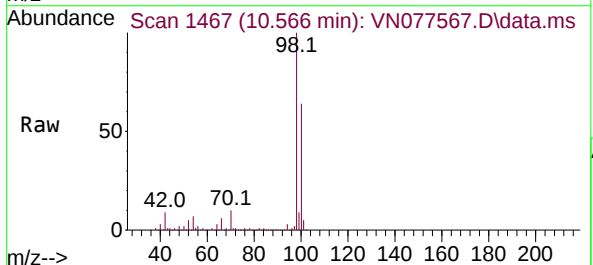
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MSVOA_N
ClientSampleId :
AUD-1987

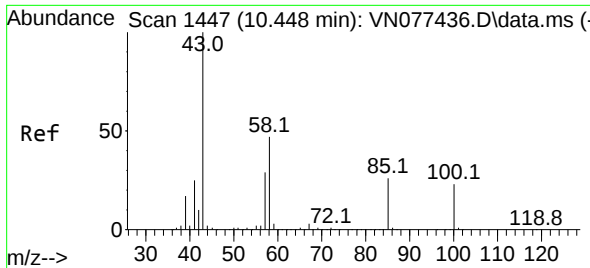
Tgt Ion: 41 Resp: 17566
Ion Ratio Lower Upper
41 100
69 0.5 90.4 135.6#
39 55.5 54.6 81.8



#50
Toluene-d8
Concen: 53.113 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Tgt Ion: 98 Resp: 1572968
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

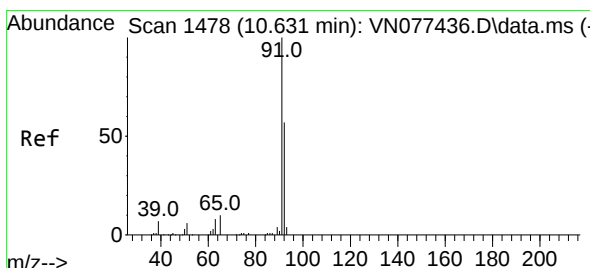
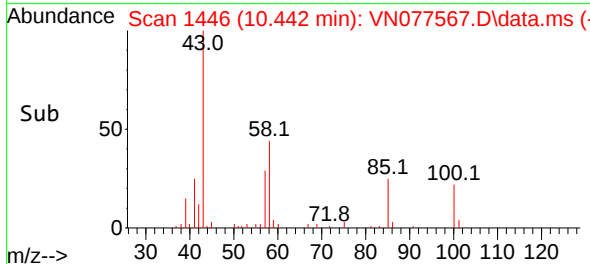
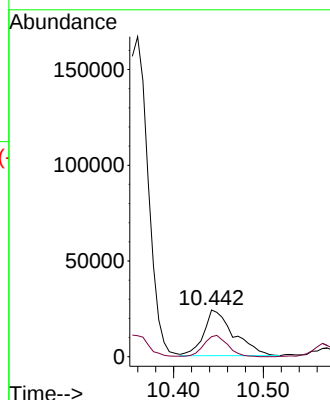
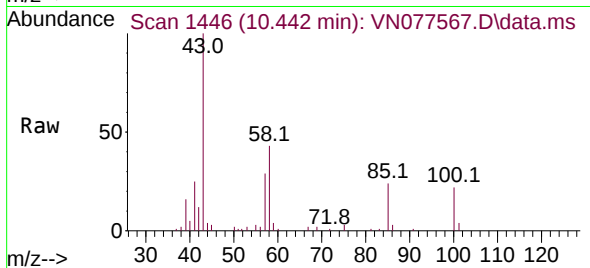




#51
4-Methyl-2-Pentanone
Concen: 6.469 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

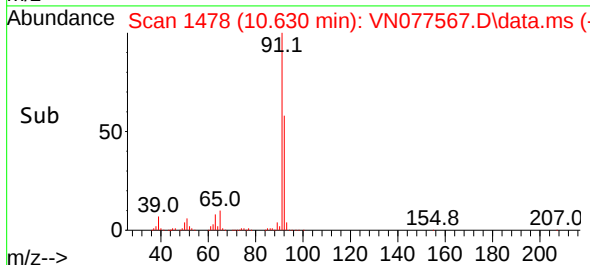
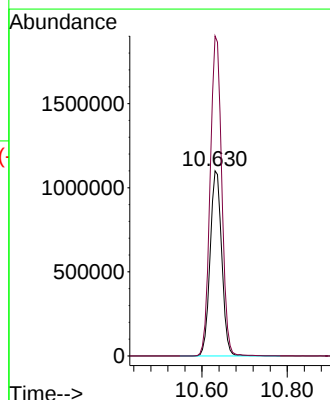
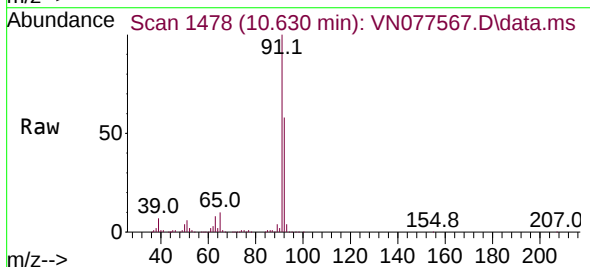
Instrument :
MSVOA_N
ClientSampleId :
AUD-1987

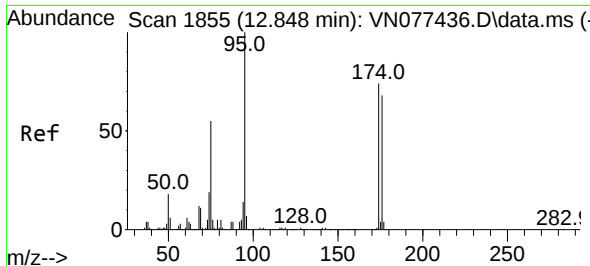
Tgt Ion: 43 Resp: 55689
Ion Ratio Lower Upper
43 100
58 37.2 36.6 54.8



#52
Toluene
Concen: 93.272 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Tgt Ion: 92 Resp: 2078049
Ion Ratio Lower Upper
92 100
91 172.2 137.4 206.0

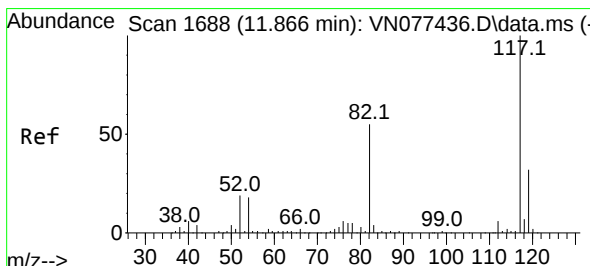
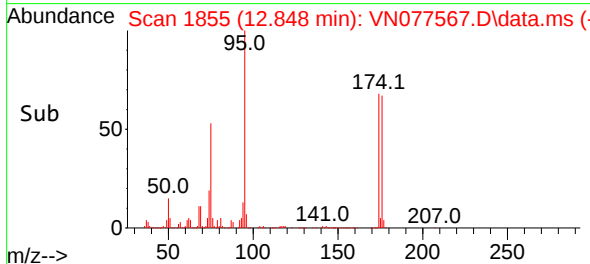
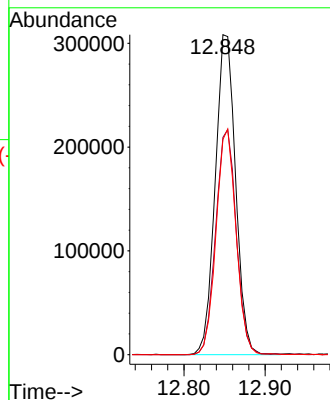
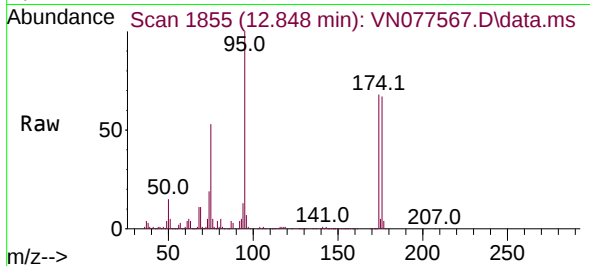




#62
4-Bromofluorobenzene
Concen: 55.496 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

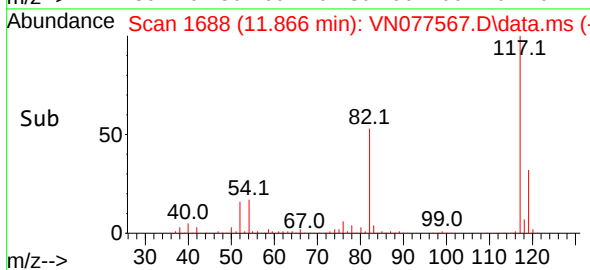
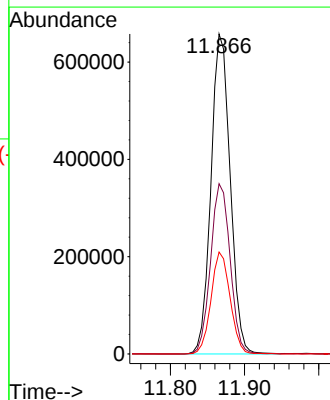
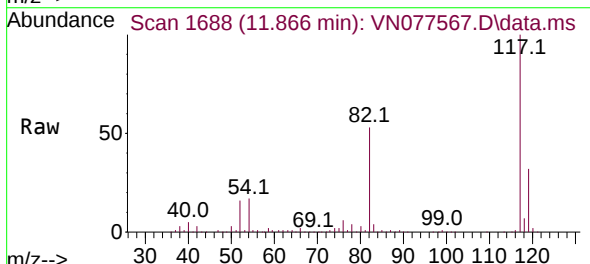
Instrument :
MSVOA_N
ClientSampleId :
AUD-1987

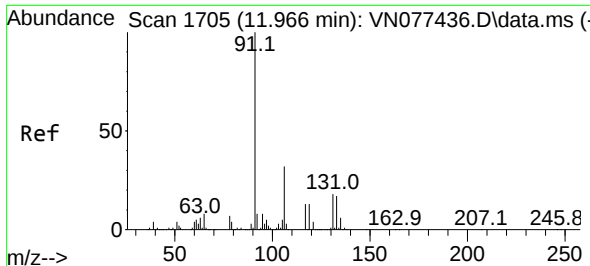
Tgt Ion: 95 Resp: 537732
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.8
176 68.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Tgt Ion: 117 Resp: 1185594
Ion Ratio Lower Upper
117 100
82 53.2 44.0 66.0
119 31.9 25.6 38.4

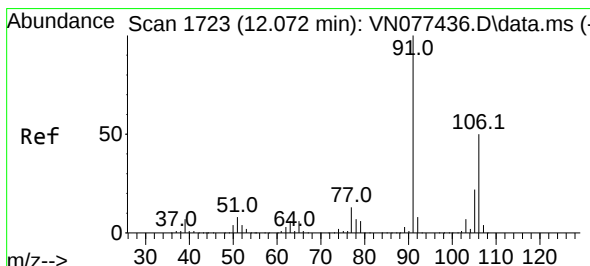
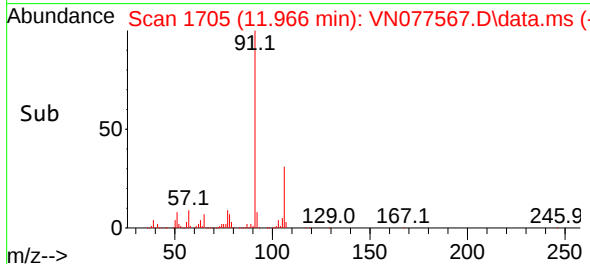
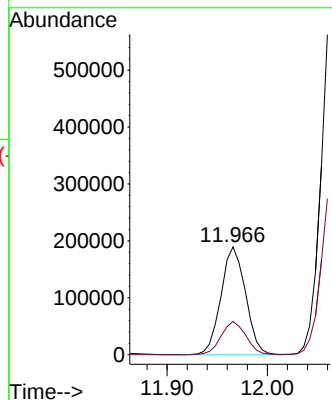
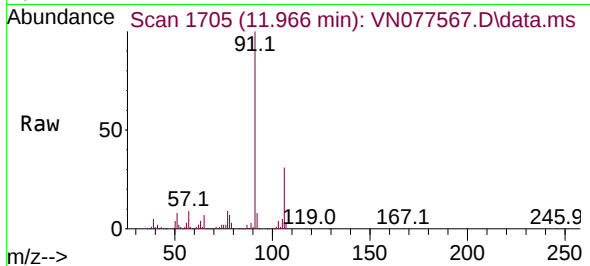




#67
Ethyl Benzene
Concen: 7.296 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

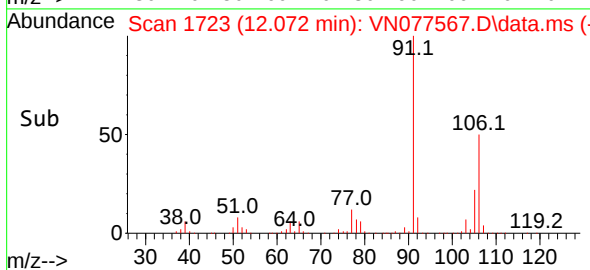
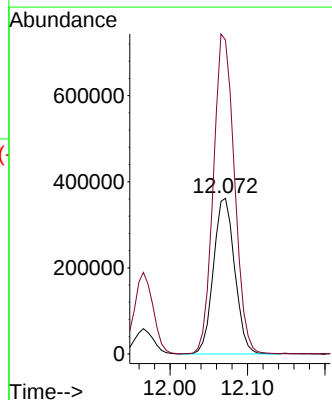
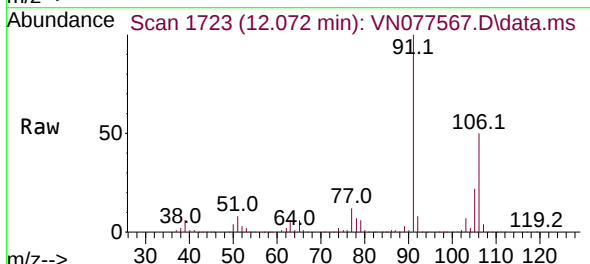
Instrument :
MSVOA_N
ClientSampleId :
AUD-1987

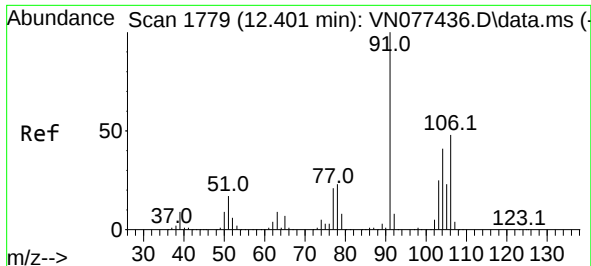
Tgt Ion: 91 Resp: 322227
Ion Ratio Lower Upper
91 100
106 30.9 25.6 38.4



#68
m/p-Xylenes
Concen: 40.207 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Tgt Ion: 106 Resp: 690138
Ion Ratio Lower Upper
106 100
91 203.4 159.6 239.4

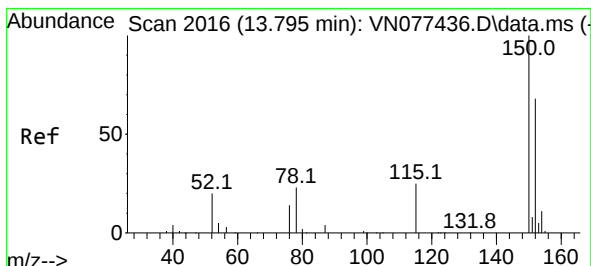
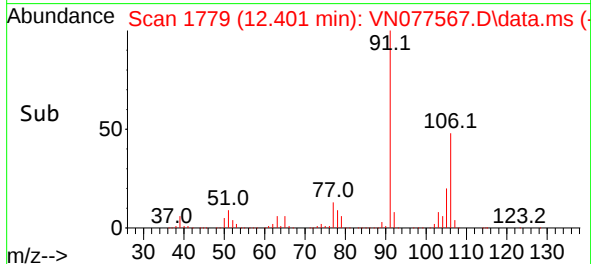
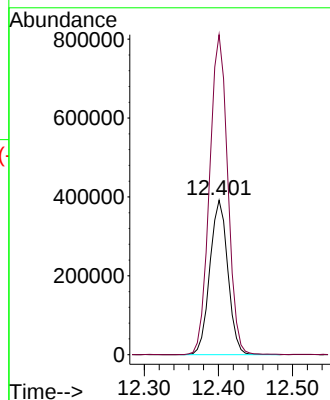
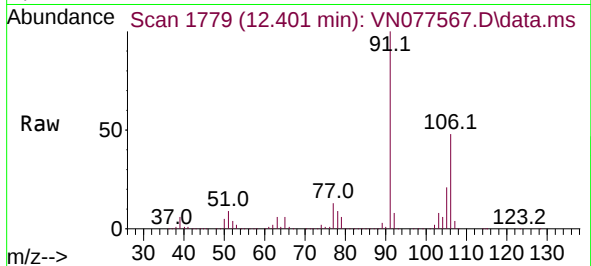




#69
o-Xylene
Concen: 39.097 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

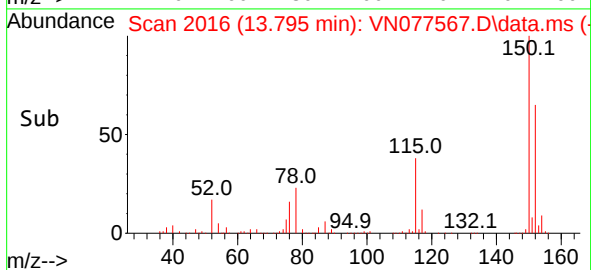
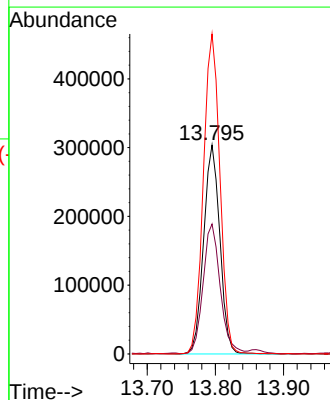
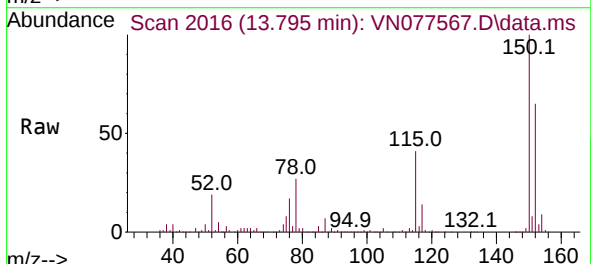
Instrument :
MSVOA_N
ClientSampleId :
AUD-1987

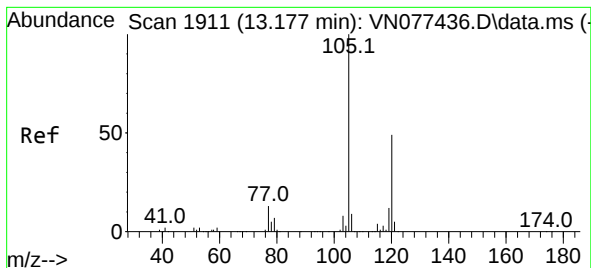
Tgt Ion:106 Resp: 660087
Ion Ratio Lower Upper
106 100
91 209.7 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Tgt Ion:152 Resp: 502371
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 156.0 0.0 355.8





#80

1,3,5-Trimethylbenzene

Concen: 5.121 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077567.D

Acq: 03 May 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

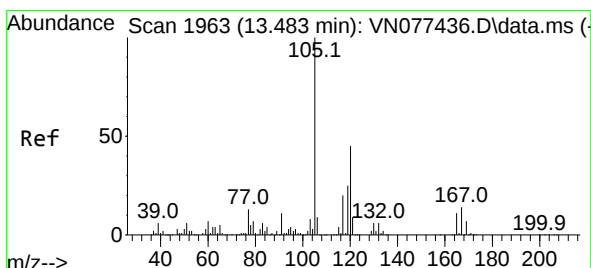
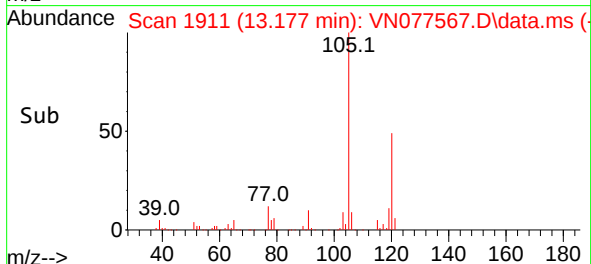
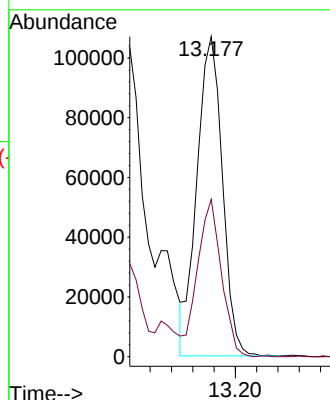
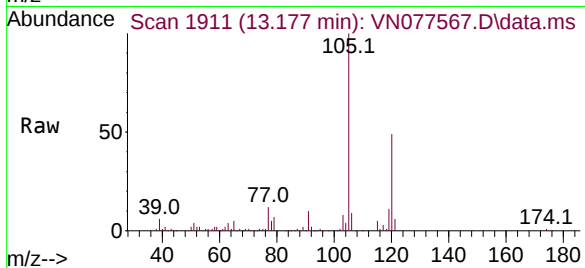
AUD-1987

Tgt Ion:105 Resp: 177281

Ion Ratio Lower Upper

105 100

120 46.5 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 20.740 ug/l

RT: 13.489 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VN077567.D

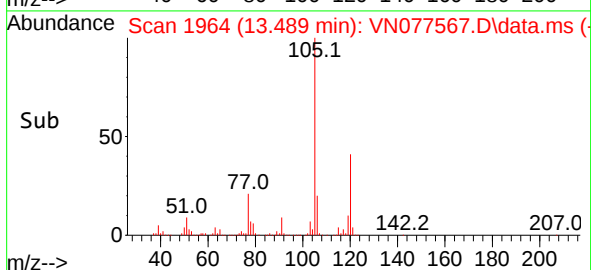
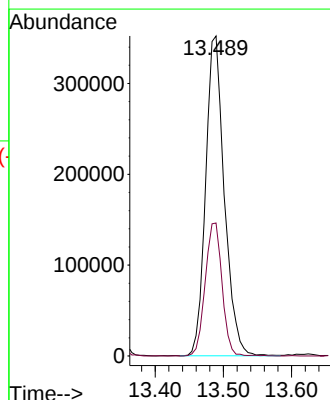
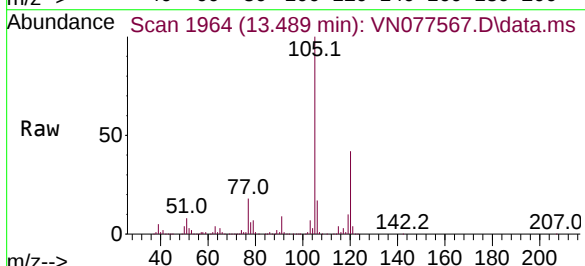
Acq: 03 May 2023 16:57

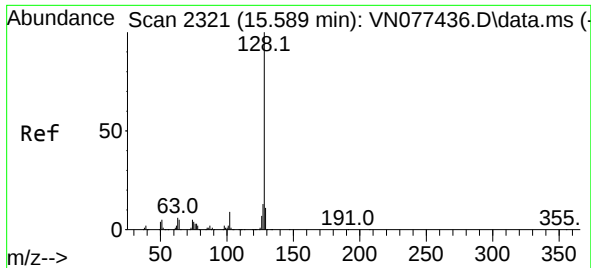
Tgt Ion:105 Resp: 670562

Ion Ratio Lower Upper

105 100

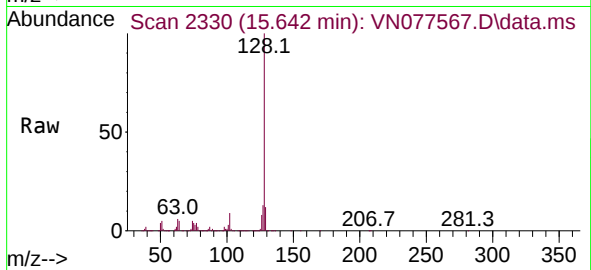
120 37.6 22.0 66.0





#95
Naphthalene
Concen: 189.220 ug/l
RT: 15.642 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN077567.D
Acq: 03 May 2023 16:57

Instrument :
MSVOA_N
ClientSampleId :
AUD-1987



Tgt Ion:128 Resp: 9031087
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.9 8.7 13.1

