

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050323\
 Data File : VN077568.D
 Acq On : 03 May 2023 17:22
 Operator : JC\MD
 Sample : 02566-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1988

Quant Time: May 04 04:53:15 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)

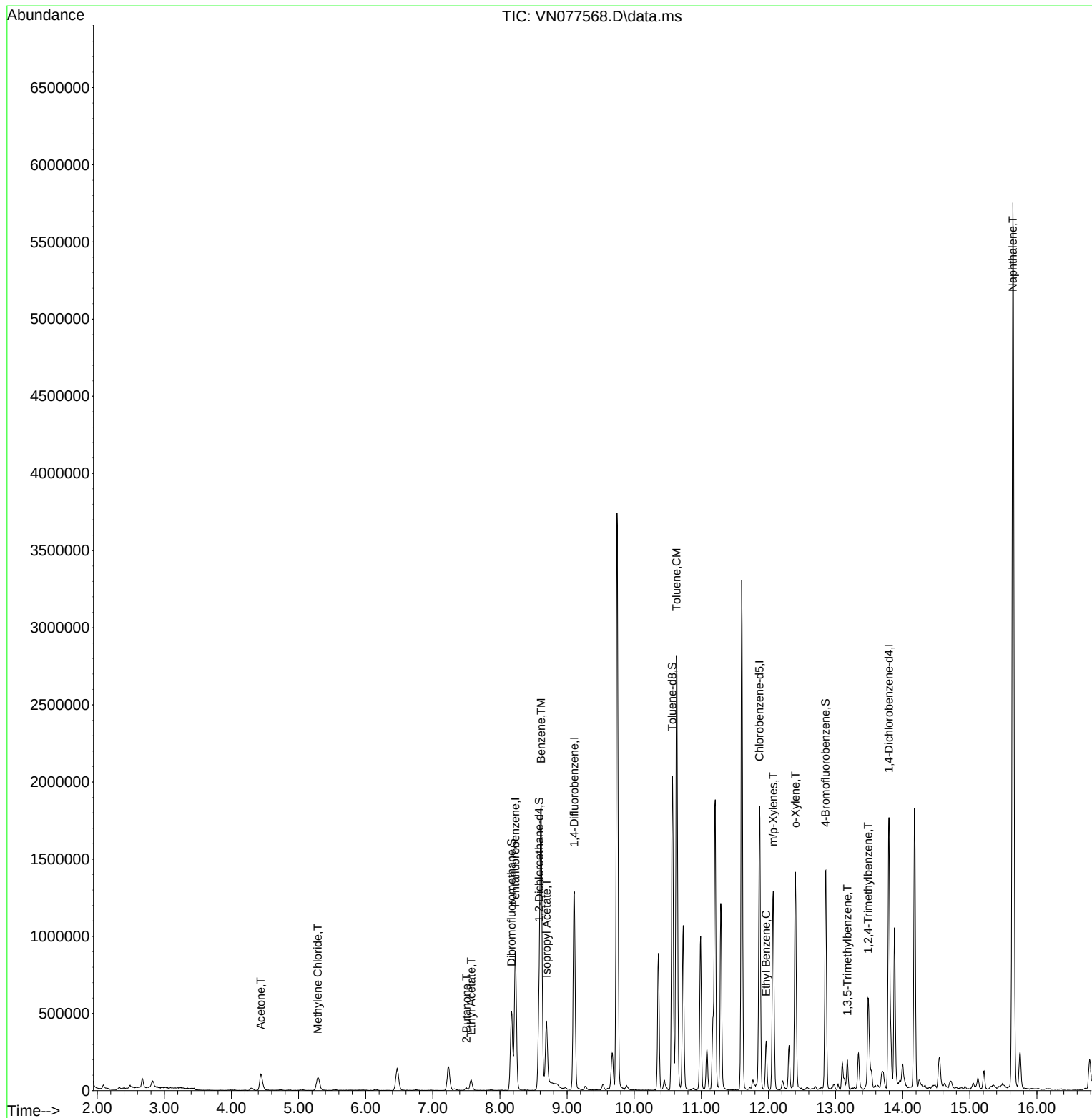
Internal Standards						
1) Pentafluorobenzene	8.231	168	649707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1226642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1154703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	472197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	418090	49.315	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.640%
35) Dibromofluoromethane	8.172	113	373651	50.681	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.360%
50) Toluene-d8	10.566	98	1515599	53.638	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.280%
62) 4-Bromofluorobenzene	12.848	95	534497	57.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.640%
Target Compounds						
					Qvalue	
16) Acetone	4.437	43	201350	74.652	ug/l	96
20) Methylene Chloride	5.284	84	81068	9.478	ug/l	92
25) 2-Butanone	7.501	43	23337	6.100	ug/l	100
37) Ethyl Acetate	7.572	43	97373m	12.031	ug/l	
40) Benzene	8.613	78	1942240	59.857	ug/l	98
43) Isopropyl Acetate	8.696	43	511359	36.520	ug/l #	86
52) Toluene	10.631	92	1330254	62.580	ug/l	100
67) Ethyl Benzene	11.966	91	206495	4.801	ug/l	96
68) m/p-Xylenes	12.072	106	445357	26.640	ug/l	99
69) o-Xylene	12.401	106	409634	24.911	ug/l	99
80) 1,3,5-Trimethylbenzene	13.178	105	103419	3.178	ug/l	96
84) 1,2,4-Trimethylbenzene	13.483	105	407862	13.421	ug/l	90
95) Naphthalene	15.642	128	5599611	148.285	ug/l	100

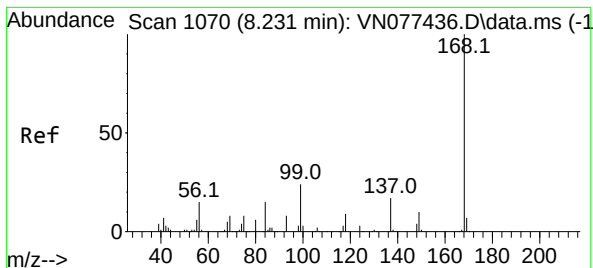
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077568.D

Acq: 03 May 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

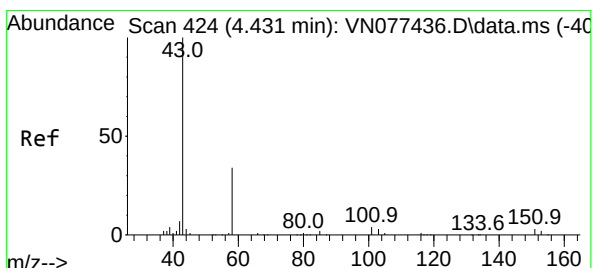
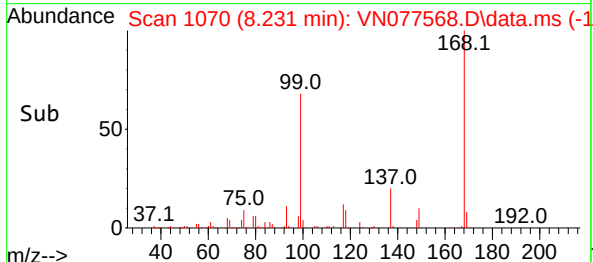
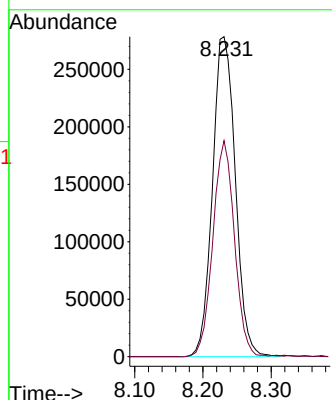
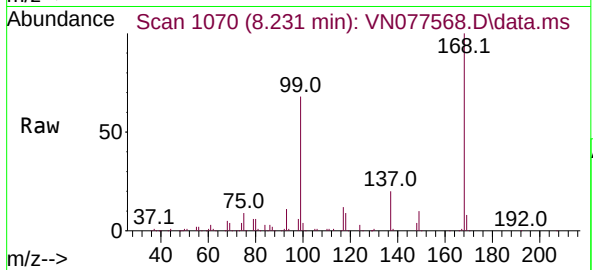
AUD-1988

Tgt Ion:168 Resp: 649707

Ion Ratio Lower Upper

168 100

99 67.5 53.0 79.6



#16

Acetone

Concen: 74.652 ug/l

RT: 4.437 min Scan# 425

Delta R.T. 0.006 min

Lab File: VN077568.D

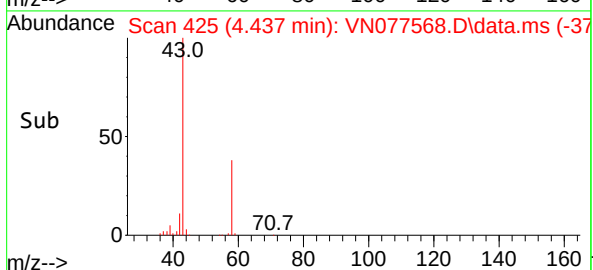
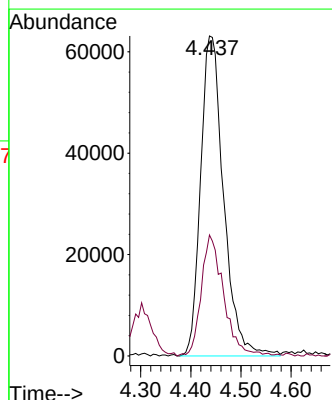
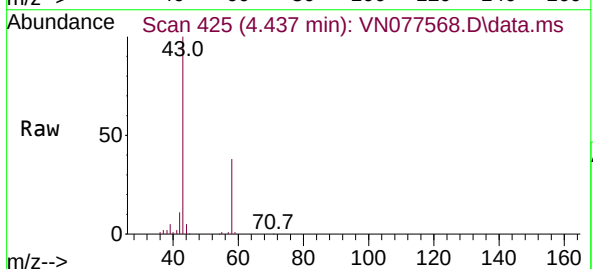
Acq: 03 May 2023 17:22

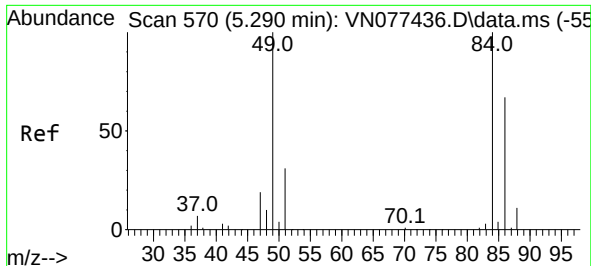
Tgt Ion: 43 Resp: 201350

Ion Ratio Lower Upper

43 100

58 37.5 28.0 42.0





#20

Methylene Chloride

Concen: 9.478 ug/l

RT: 5.284 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN077568.D

Acq: 03 May 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

AUD-1988

Tgt Ion: 84 Resp: 81068

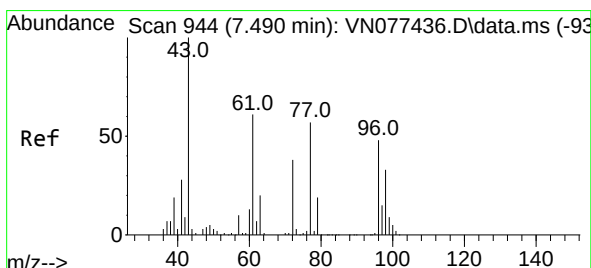
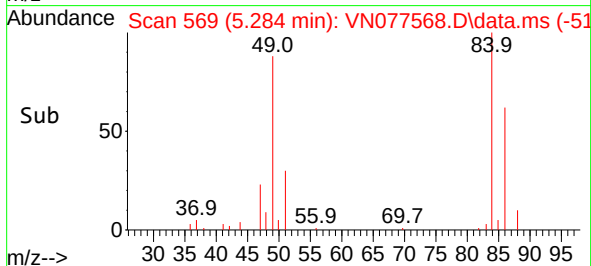
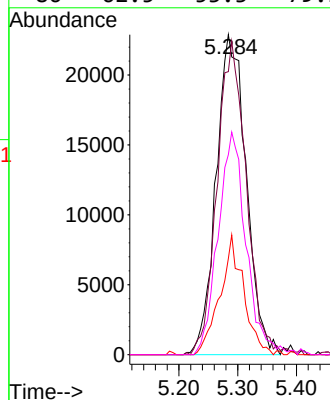
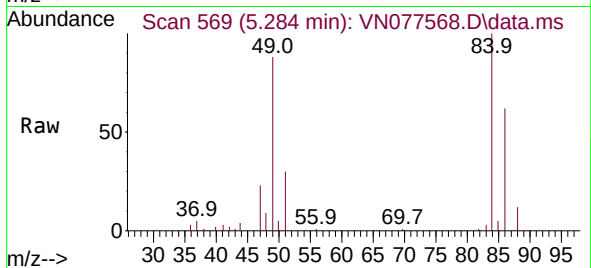
Ion Ratio Lower Upper

84 100

49 88.5 79.7 119.5

51 30.1 25.2 37.8

86 62.5 53.3 79.9



#25

2-Butanone

Concen: 6.100 ug/l

RT: 7.501 min Scan# 946

Delta R.T. 0.012 min

Lab File: VN077568.D

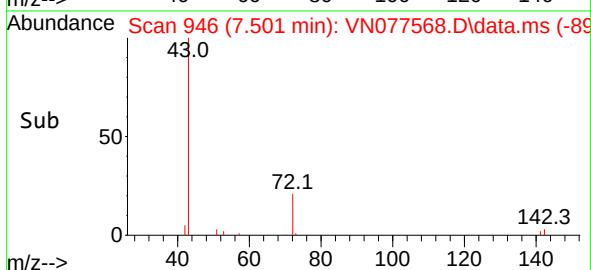
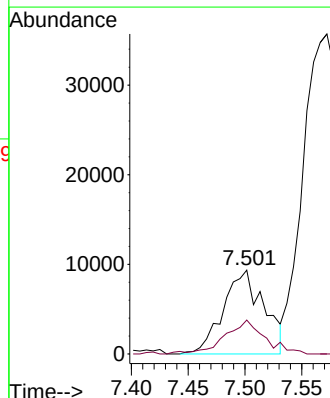
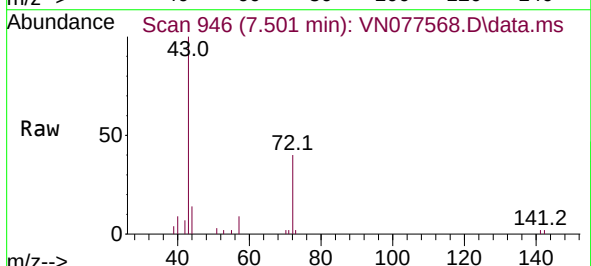
Acq: 03 May 2023 17:22

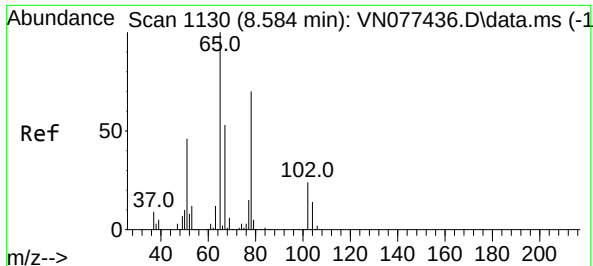
Tgt Ion: 43 Resp: 23337

Ion Ratio Lower Upper

43 100

72 37.4 30.2 45.2





#33

1,2-Dichloroethane-d4

Concen: 49.315 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077568.D

Acq: 03 May 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

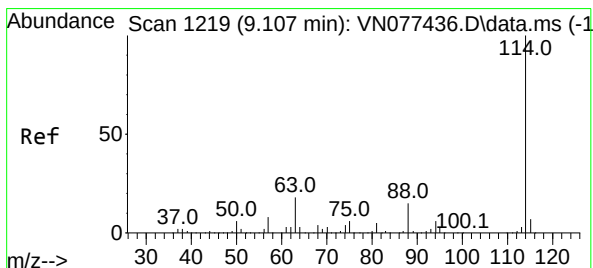
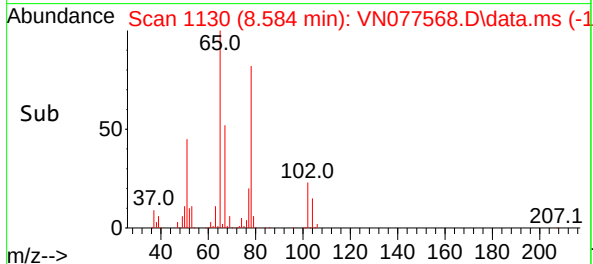
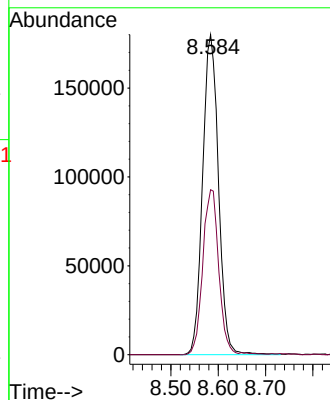
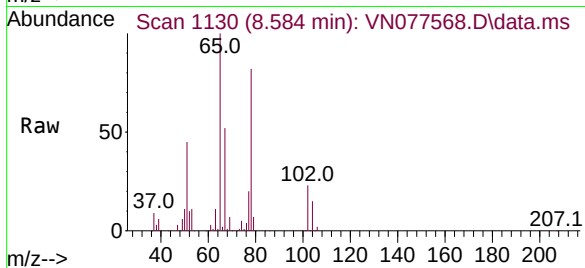
AUD-1988

Tgt Ion: 65 Resp: 418090

Ion Ratio Lower Upper

65 100

67 51.6 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: VN077568.D

Acq: 03 May 2023 17:22

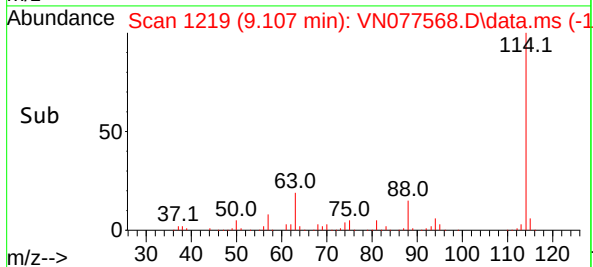
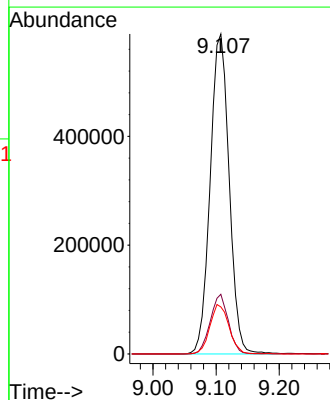
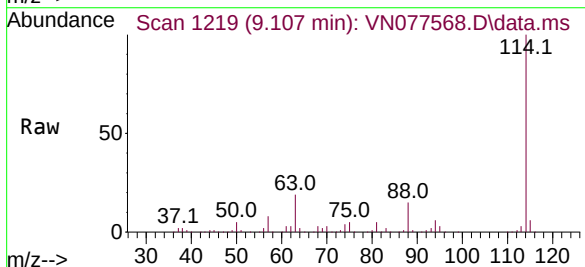
Tgt Ion: 114 Resp: 1226642

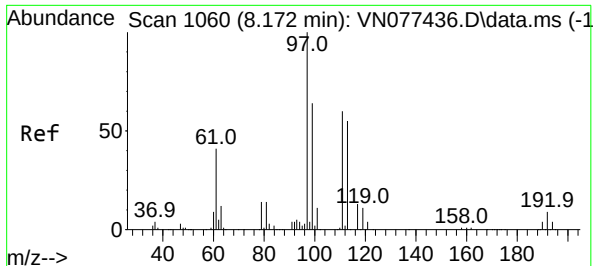
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.4

88 14.7 0.0 30.6

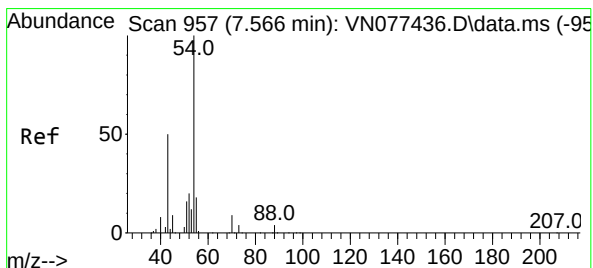
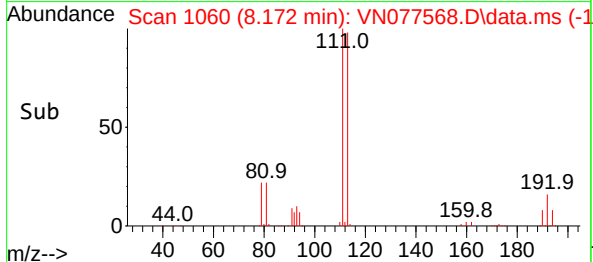
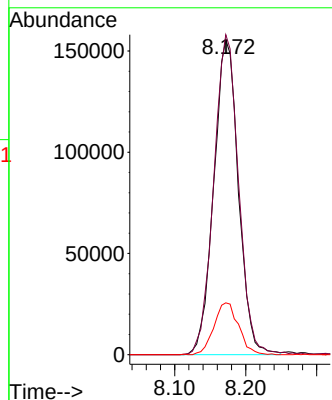
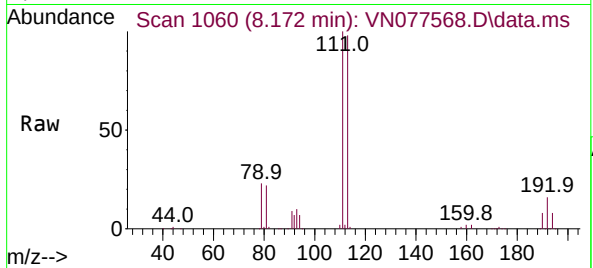




#35
Dibromofluoromethane
Concen: 50.681 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

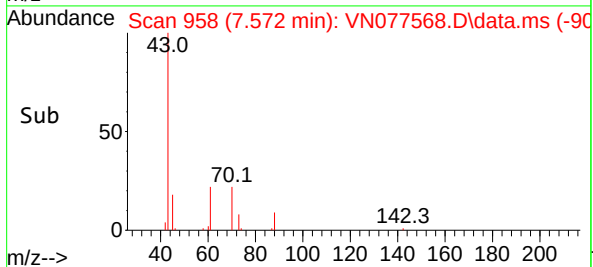
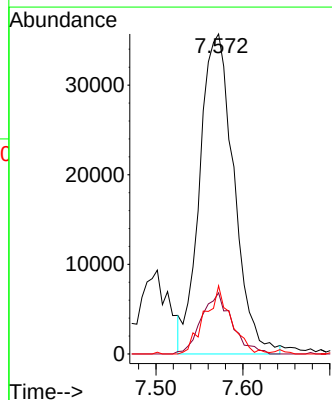
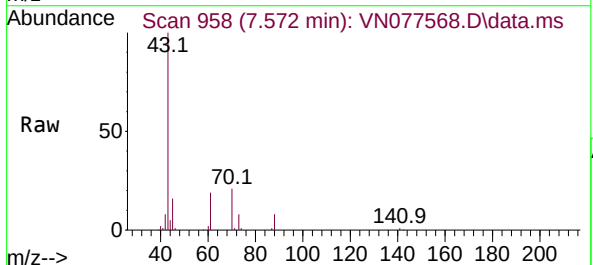
Instrument :
MSVOA_N
ClientSampleId :
AUD-1988

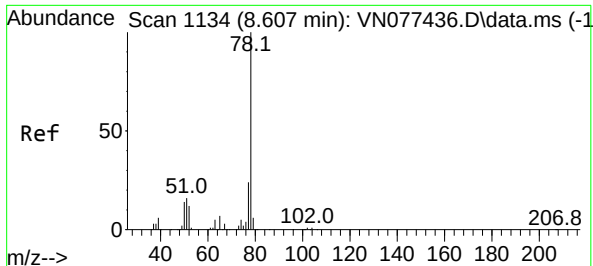
Tgt Ion:113 Resp: 373651
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 16.5 12.7 19.1



#37
Ethyl Acetate
Concen: 12.031 ug/l m
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

Tgt Ion: 43 Resp: 97373
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#

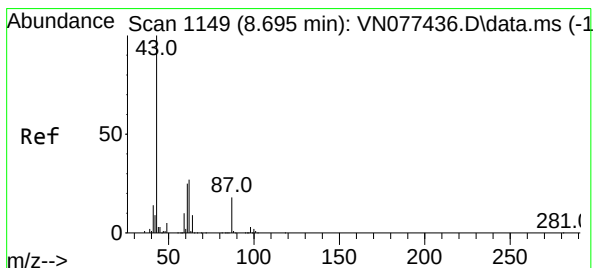
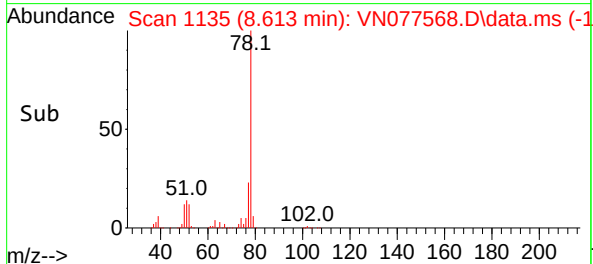
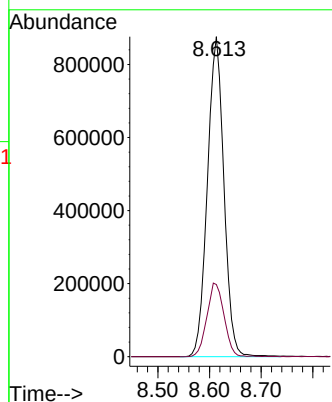
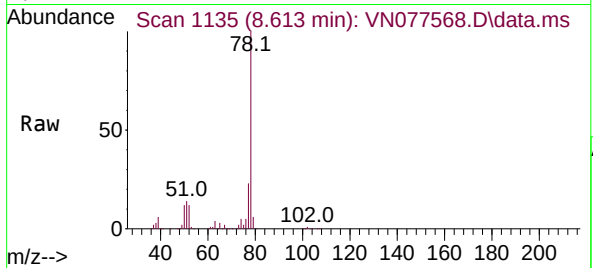




#40
Benzene
Concen: 59.857 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

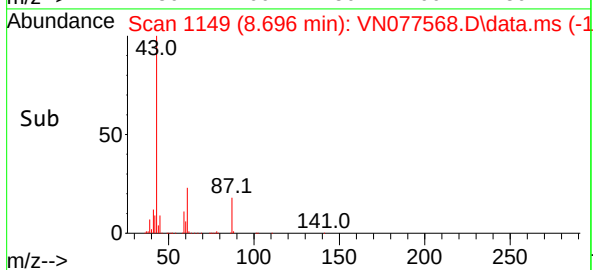
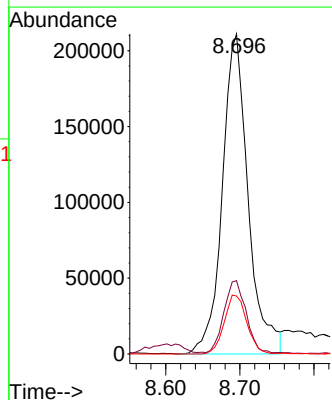
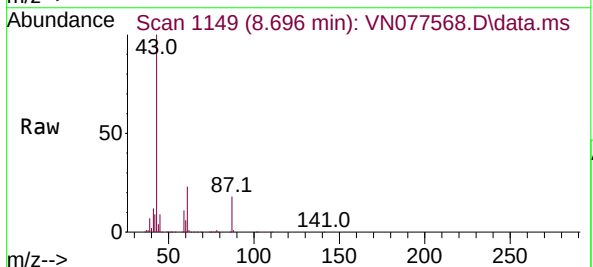
Instrument :
MSVOA_N
ClientSampleId :
AUD-1988

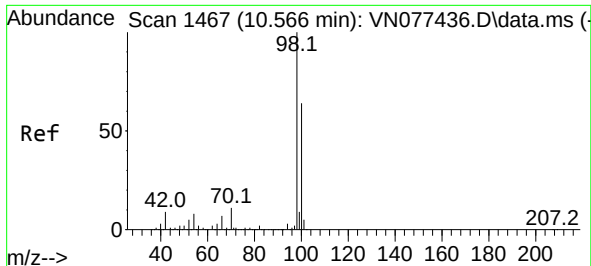
Tgt Ion: 78 Resp: 1942240
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6



#43
Isopropyl Acetate
Concen: 36.520 ug/l
RT: 8.696 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

Tgt Ion: 43 Resp: 511359
Ion Ratio Lower Upper
43 100
61 19.9 24.7 37.1#
87 16.2 14.6 21.8

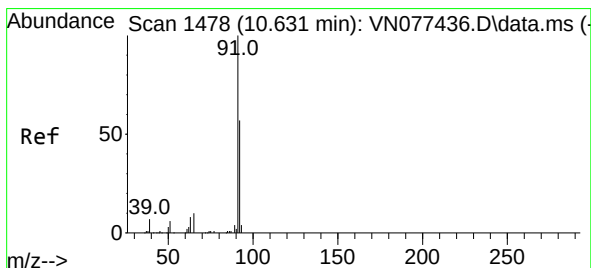
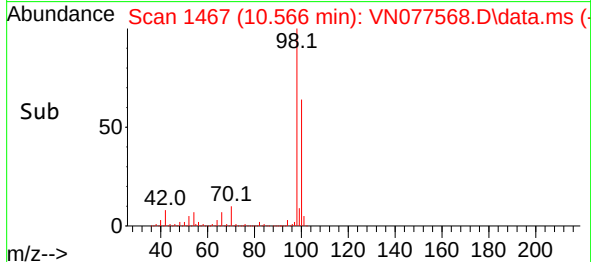
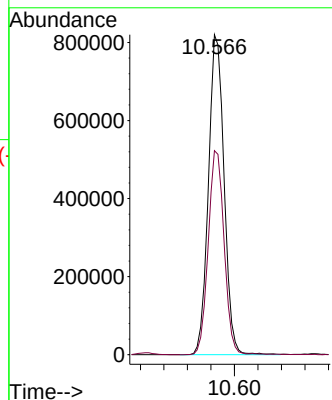
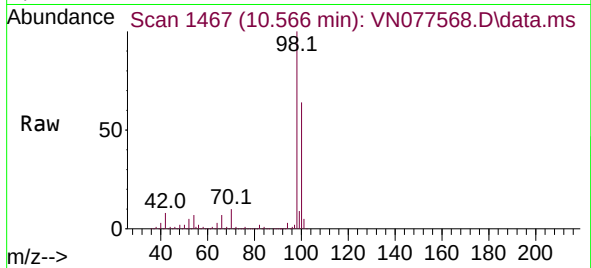




#50
Toluene-d8
Concen: 53.638 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

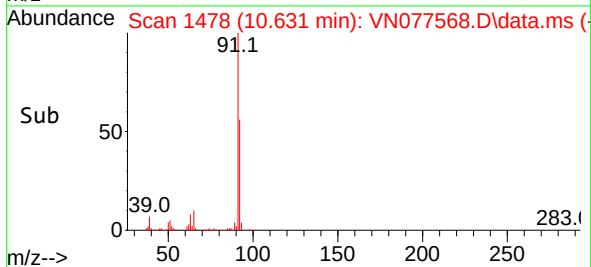
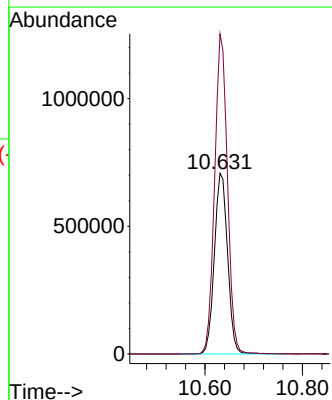
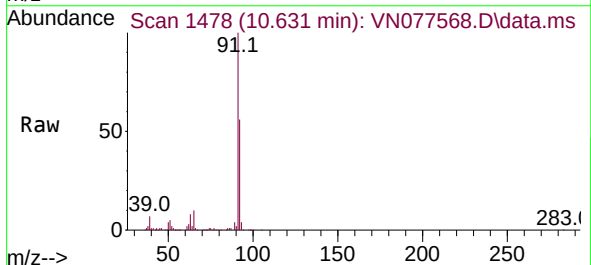
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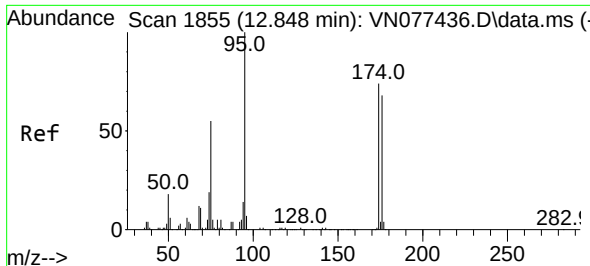
Tgt Ion: 98 Resp: 1515599
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#52
Toluene
Concen: 62.580 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

Tgt Ion: 92 Resp: 1330254
Ion Ratio Lower Upper
92 100
91 171.9 137.4 206.0

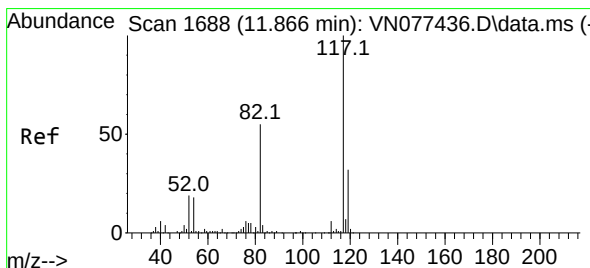
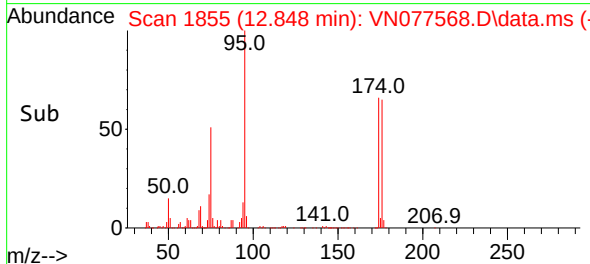
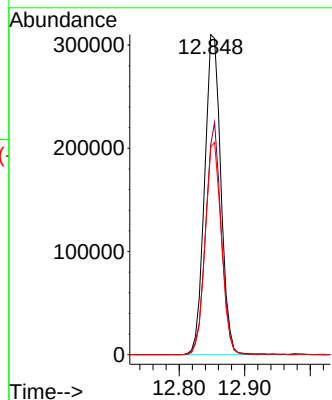
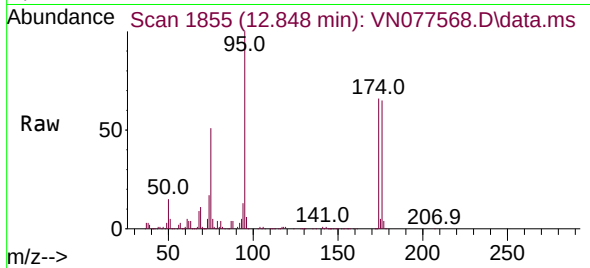




#62
4-Bromofluorobenzene
Concen: 57.816 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

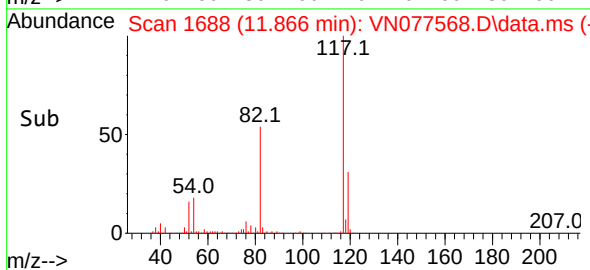
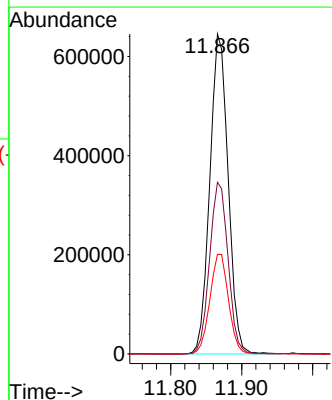
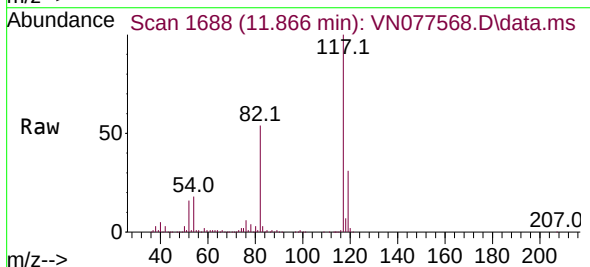
Instrument :
MSVOA_N
ClientSampleId :
AUD-1988

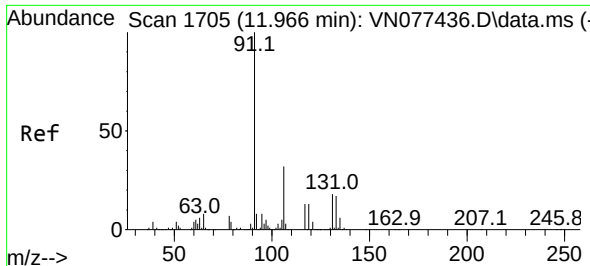
Tgt Ion: 95 Resp: 534497
Ion Ratio Lower Upper
95 100
174 69.0 0.0 143.8
176 66.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

Tgt Ion: 117 Resp: 1154703
Ion Ratio Lower Upper
117 100
82 53.6 44.0 66.0
119 31.1 25.6 38.4





#67

Ethyl Benzene

Concen: 4.801 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. 0.000 min

Lab File: VN077568.D

Acq: 03 May 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

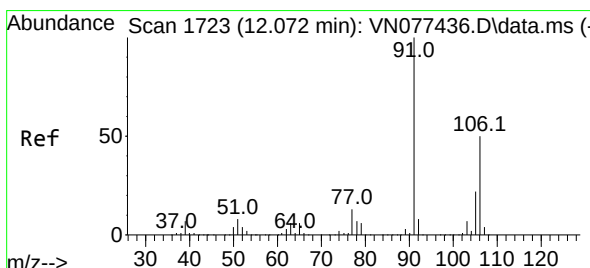
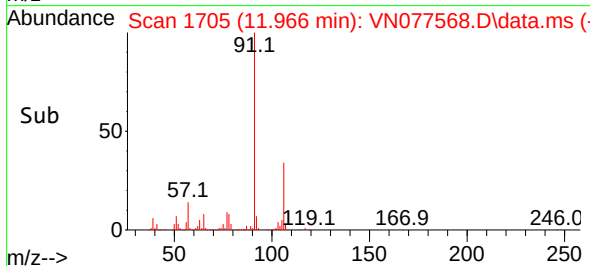
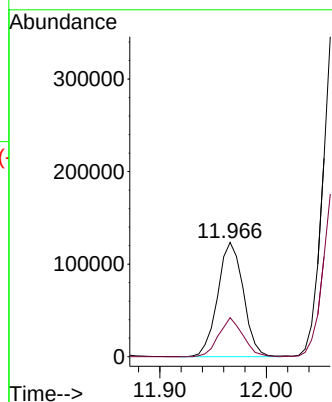
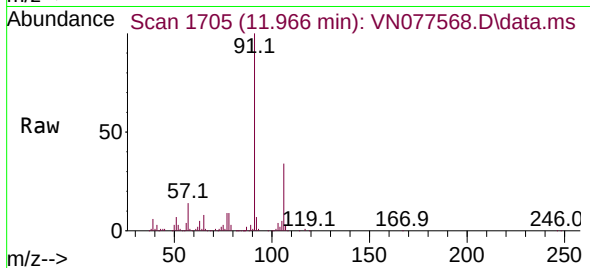
AUD-1988

Tgt Ion: 91 Resp: 206495

Ion Ratio Lower Upper

91 100

106 34.2 25.6 38.4



#68

m/p-Xylenes

Concen: 26.640 ug/l

RT: 12.072 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VN077568.D

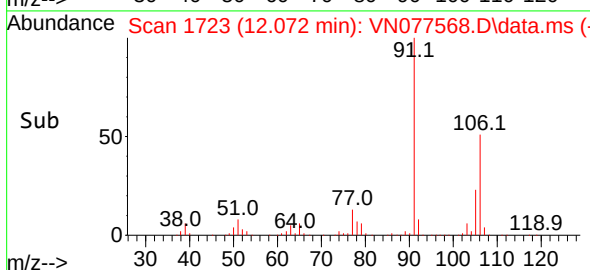
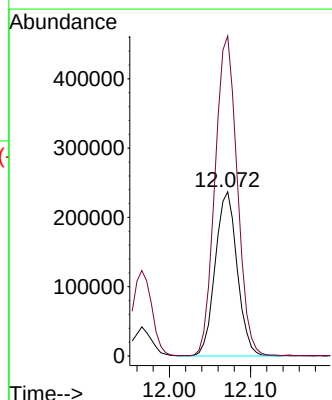
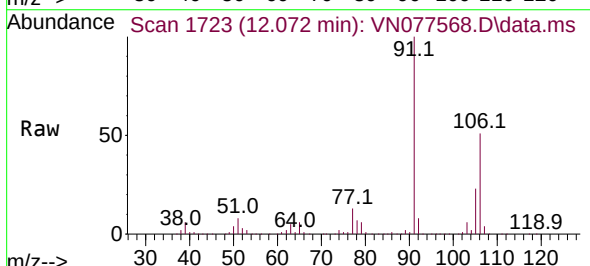
Acq: 03 May 2023 17:22

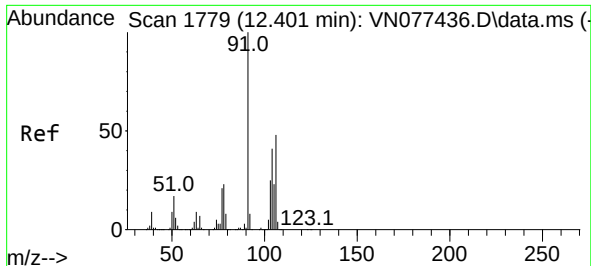
Tgt Ion:106 Resp: 445357

Ion Ratio Lower Upper

106 100

91 197.5 159.6 239.4

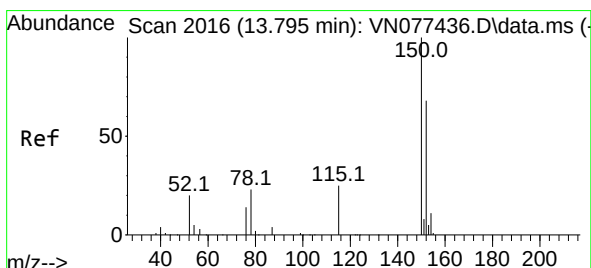
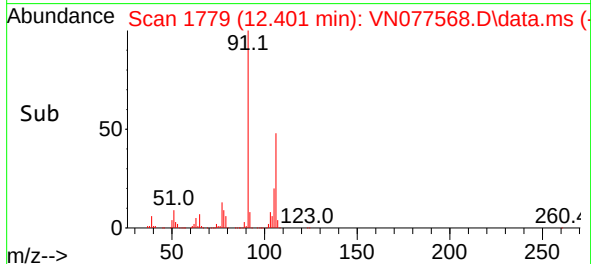
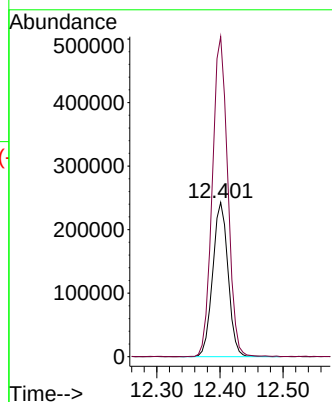
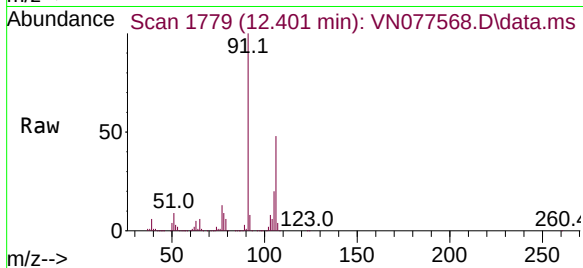




#69
o-Xylene
Concen: 24.911 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

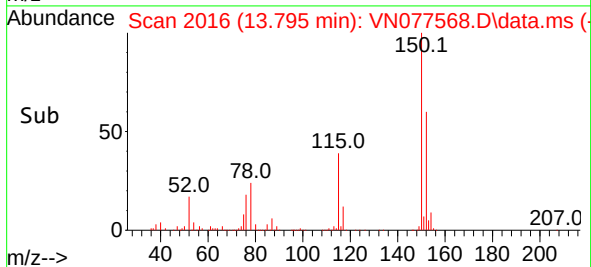
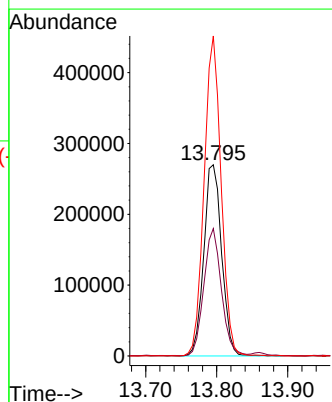
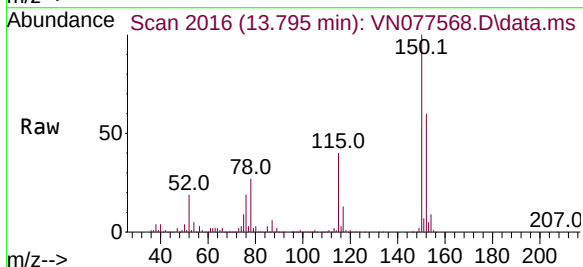
Instrument :
MSVOA_N
ClientSampleId :
AUD-1988

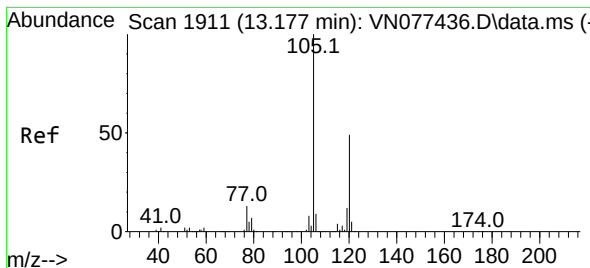
Tgt Ion:106 Resp: 409634
Ion Ratio Lower Upper
106 100
91 208.5 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

Tgt Ion:152 Resp: 472197
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 159.1 0.0 355.8





#80

1,3,5-Trimethylbenzene

Concen: 3.178 ug/l

RT: 13.178 min Scan# 1911

Delta R.T. 0.001 min

Lab File: VN077568.D

Acq: 03 May 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

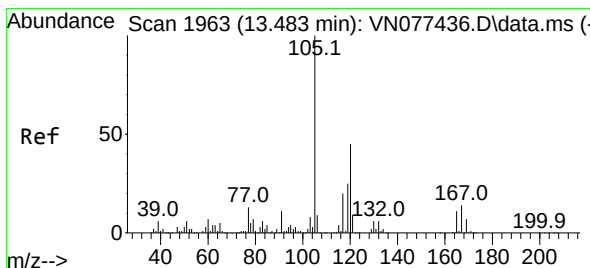
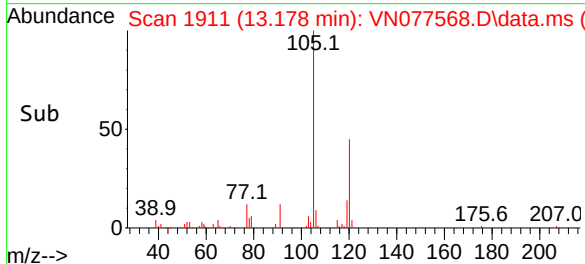
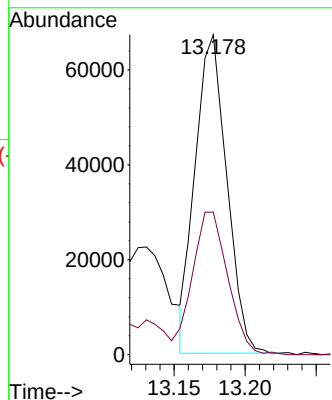
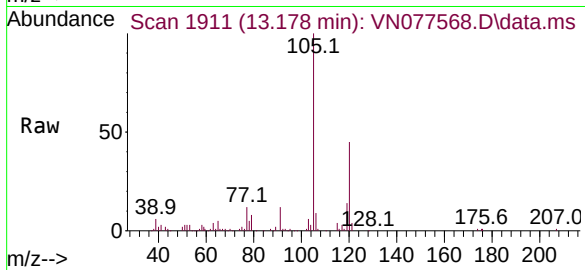
AUD-1988

Tgt Ion:105 Resp: 103419

Ion Ratio Lower Upper

105 100

120 50.6 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 13.421 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN077568.D

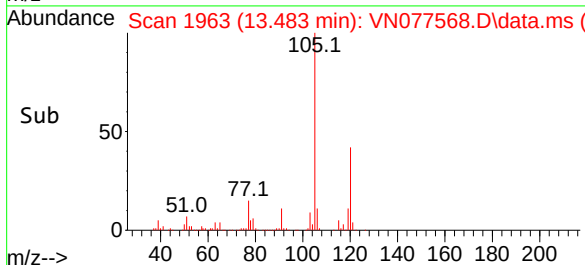
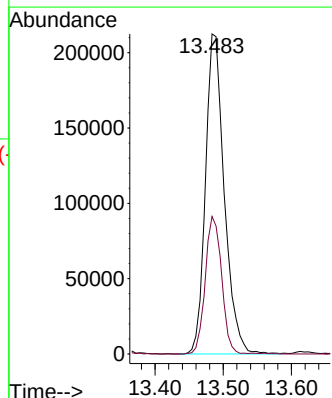
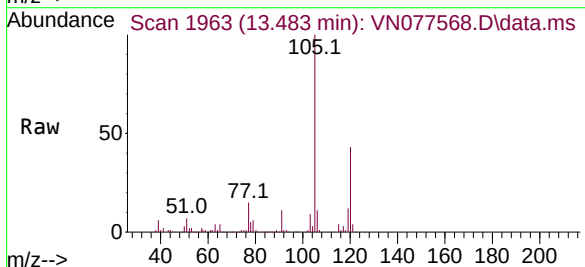
Acq: 03 May 2023 17:22

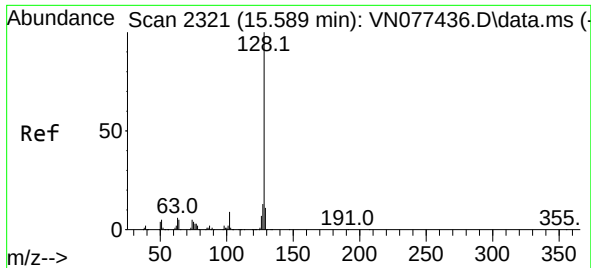
Tgt Ion:105 Resp: 407862

Ion Ratio Lower Upper

105 100

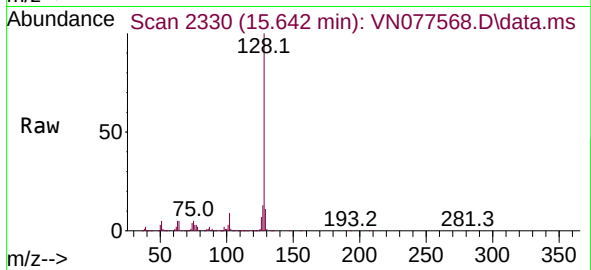
120 37.5 22.0 66.0





#95
Naphthalene
Concen: 148.285 ug/l
RT: 15.642 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN077568.D
Acq: 03 May 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :
AUD-1988



Tgt Ion:128 Resp: 5599611
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 11.0 8.7 13.1

