

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050323\
 Data File : VN077573.D
 Acq On : 03 May 2023 19:23
 Operator : JC\MD
 Sample : 02566-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1993

Quant Time: May 04 04:56:44 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)

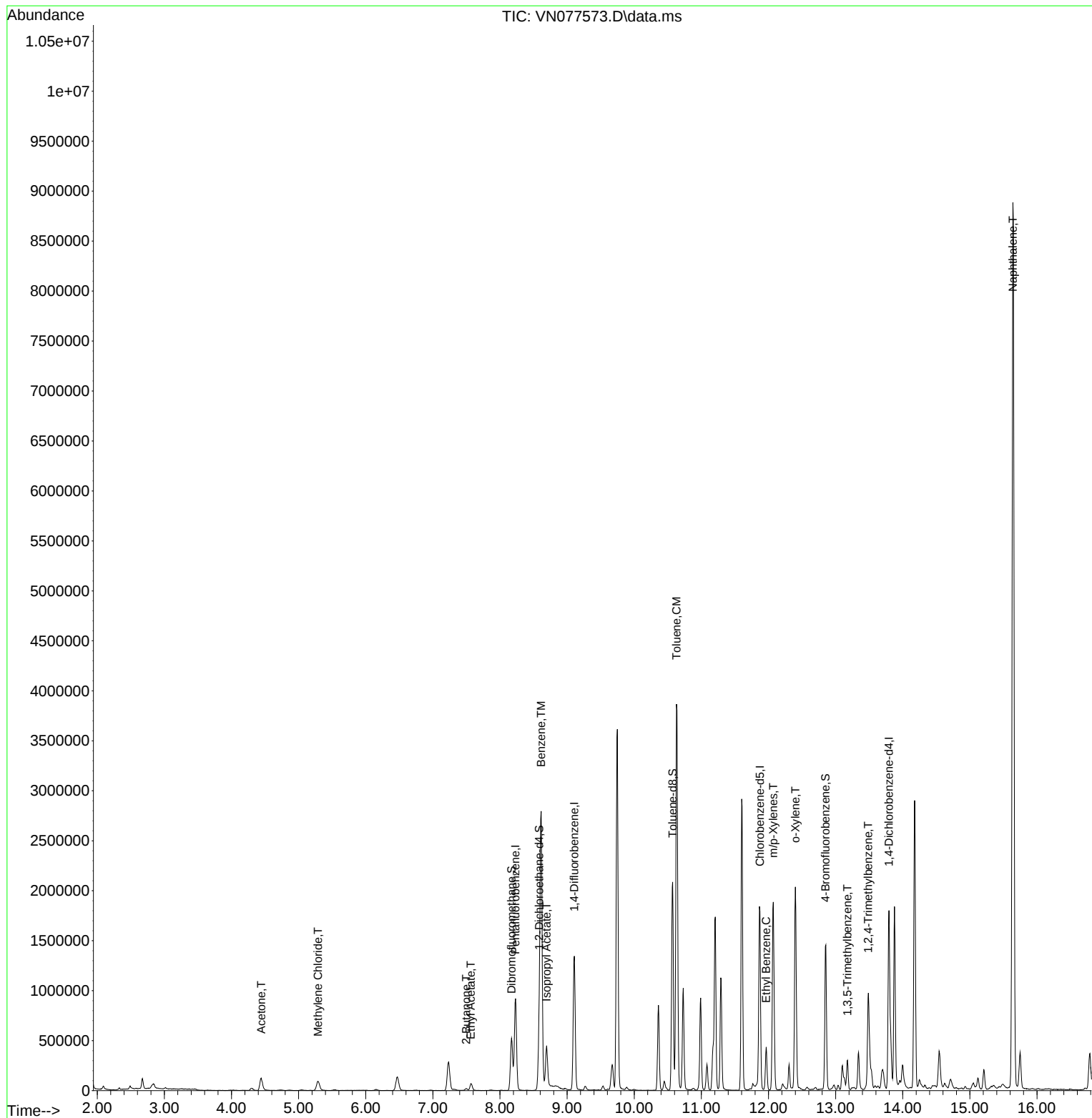
Internal Standards						
1) Pentafluorobenzene	8.231	168	662755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1263751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1176051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	479059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	430502	49.780	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.560%
35) Dibromofluoromethane	8.172	113	382297	50.331	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.660%
50) Toluene-d8	10.572	98	1540398	52.914	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.820%
62) 4-Bromofluorobenzene	12.848	95	542281	56.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.880%
Target Compounds						
					Qvalue	
16) Acetone	4.443	43	225009	81.782	ug/l	95
20) Methylene Chloride	5.290	84	86733	9.940	ug/l	91
25) 2-Butanone	7.495	43	26248	6.726	ug/l #	85
37) Ethyl Acetate	7.566	43	95179	11.414	ug/l	94
40) Benzene	8.613	78	2999616	89.729	ug/l	99
43) Isopropyl Acetate	8.695	43	488341	33.852	ug/l #	87
52) Toluene	10.630	92	1900918	86.800	ug/l	100
67) Ethyl Benzene	11.966	91	298063	6.804	ug/l	100
68) m/p-Xylenes	12.071	106	651769	38.279	ug/l	99
69) o-Xylene	12.401	106	586467	35.018	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	165911	5.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	659532	21.391	ug/l	85
95) Naphthalene	15.642	128	8834807	192.030	ug/l	99

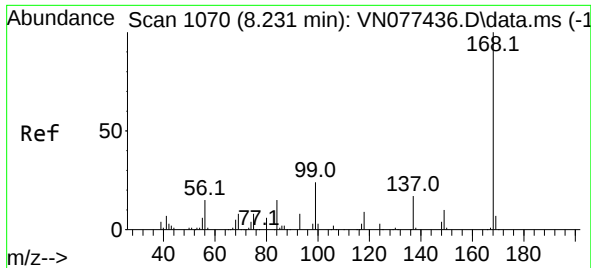
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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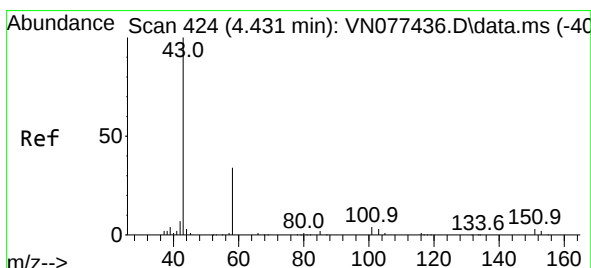
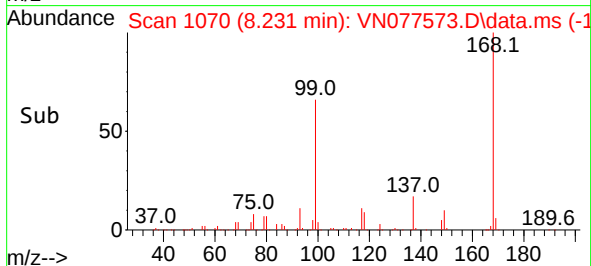
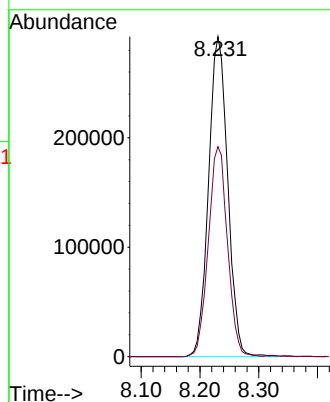
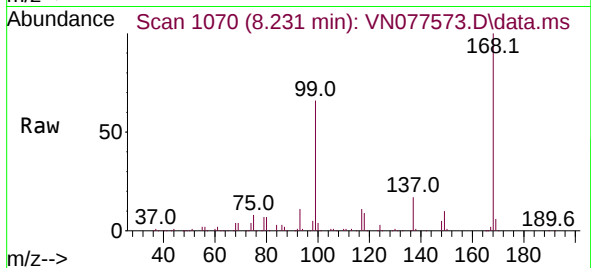




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

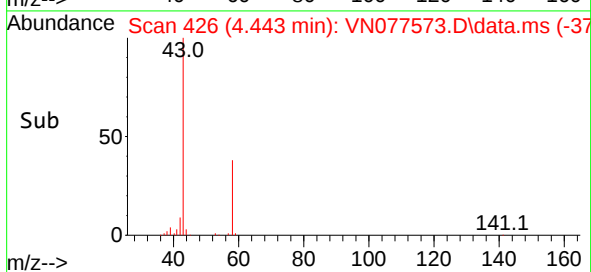
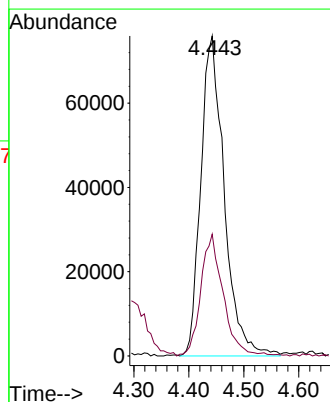
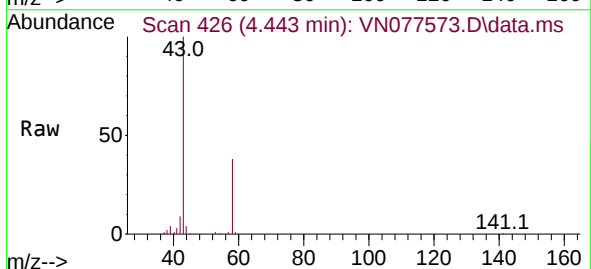
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993

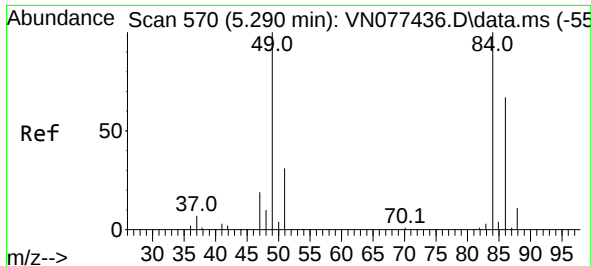
Tgt Ion:168 Resp: 662755
Ion Ratio Lower Upper
168 100
99 65.7 53.0 79.6



#16
Acetone
Concen: 81.782 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

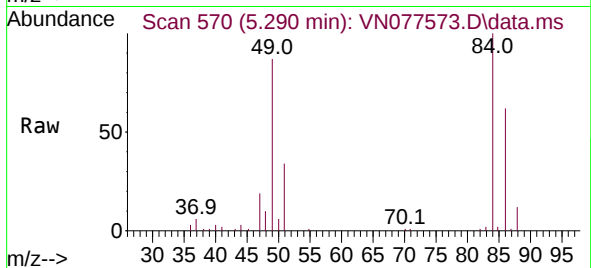
Tgt Ion: 43 Resp: 225009
Ion Ratio Lower Upper
43 100
58 37.7 28.0 42.0



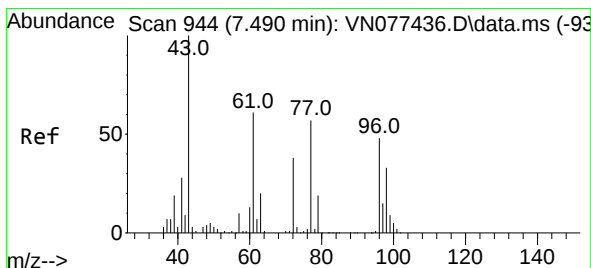
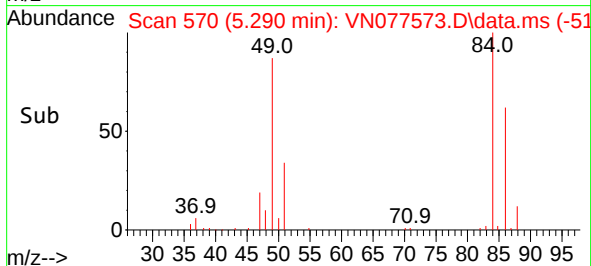
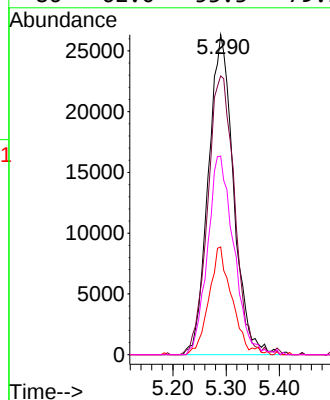


#20
Methylene Chloride
Concen: 9.940 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

Instrument :
MSVOA_N
ClientSampleId :
AUD-1993

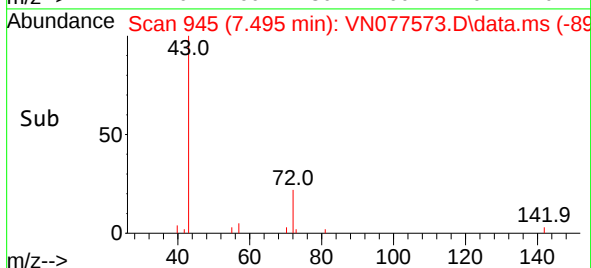
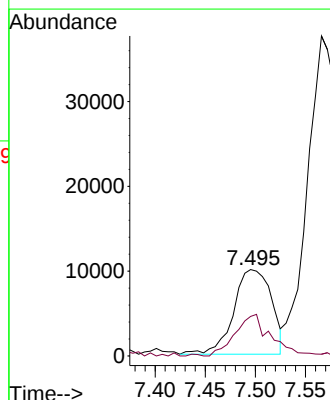
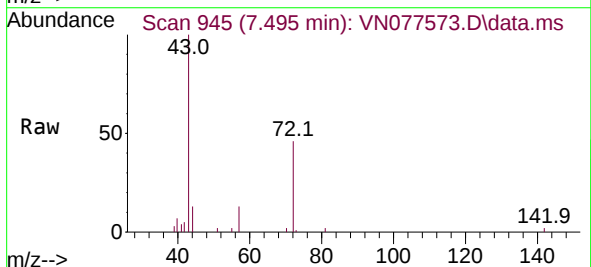


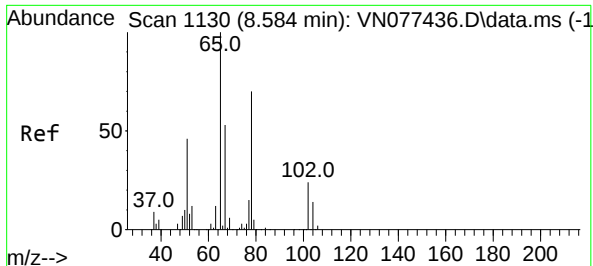
Tgt Ion:	84	Resp:	86733
Ion	Ratio	Lower	Upper
84	100		
49	87.1	79.7	119.5
51	33.7	25.2	37.8
86	62.0	53.3	79.9



#25
2-Butanone
Concen: 6.726 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

Tgt Ion:	43	Resp:	26248
Ion	Ratio	Lower	Upper
43	100		
72	46.6	30.2	45.2#





#33

1,2-Dichloroethane-d4

Concen: 49.780 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077573.D

Acq: 03 May 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

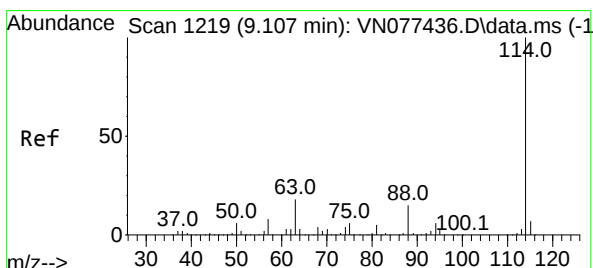
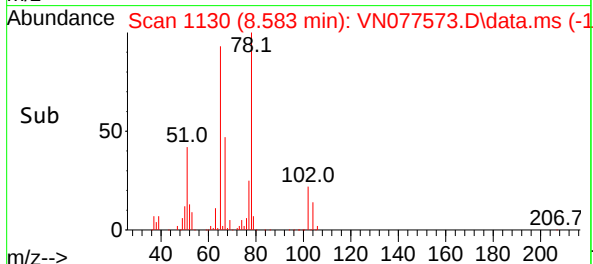
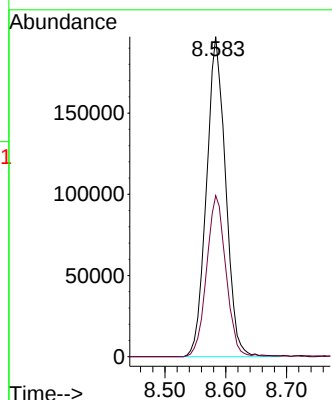
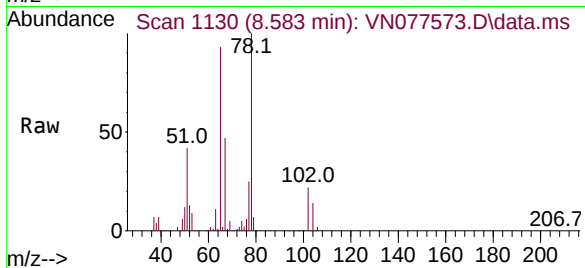
AUD-1993

Tgt Ion: 65 Resp: 430502

Ion Ratio Lower Upper

65 100

67 51.1 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: VN077573.D

Acq: 03 May 2023 19:23

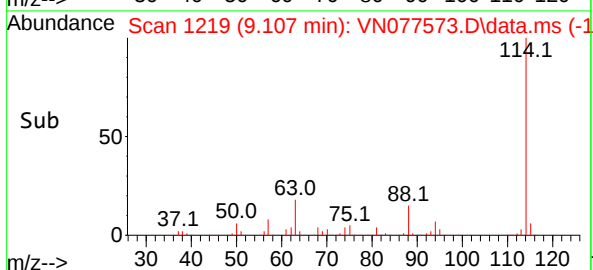
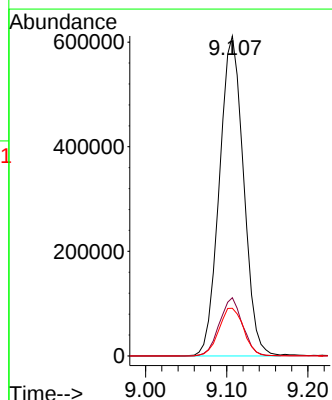
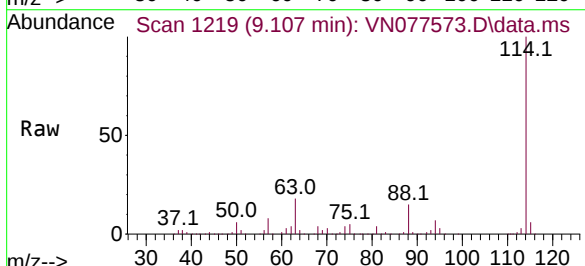
Tgt Ion: 114 Resp: 1263751

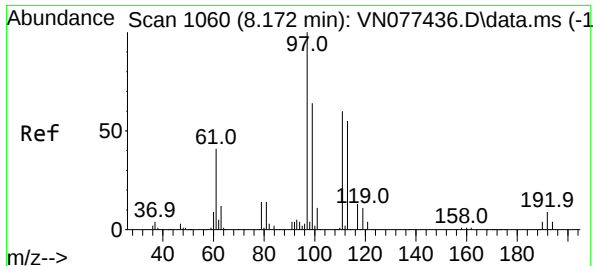
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.331 ug/l

RT: 8.172 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077573.D

Acq: 03 May 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

AUD-1993

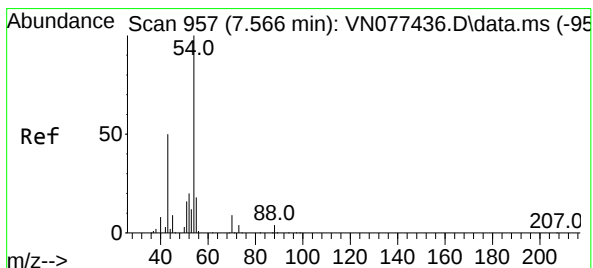
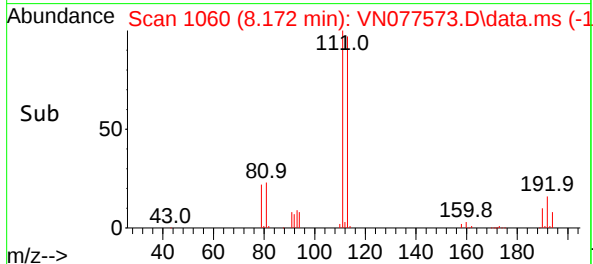
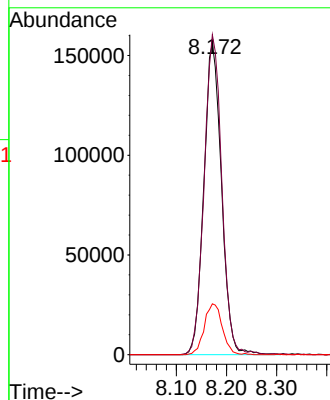
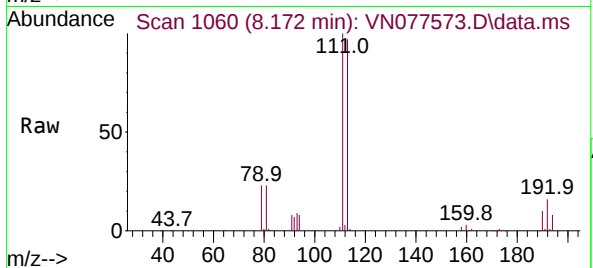
Tgt Ion:113 Resp: 382297

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 16.6 12.7 19.1



#37

Ethyl Acetate

Concen: 11.414 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077573.D

Acq: 03 May 2023 19:23

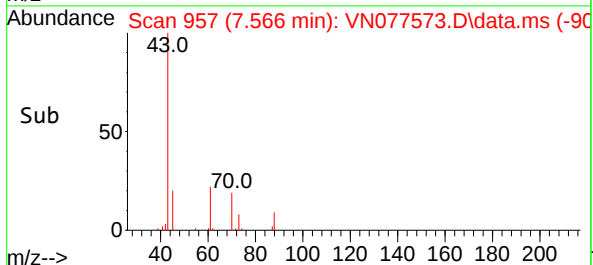
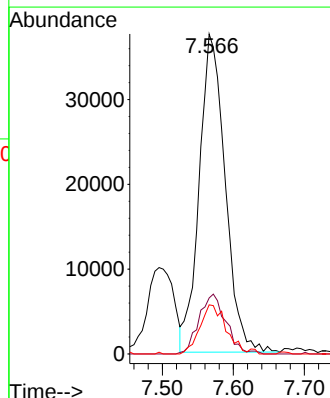
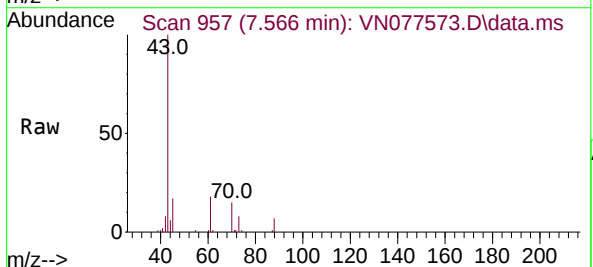
Tgt Ion: 43 Resp: 95179

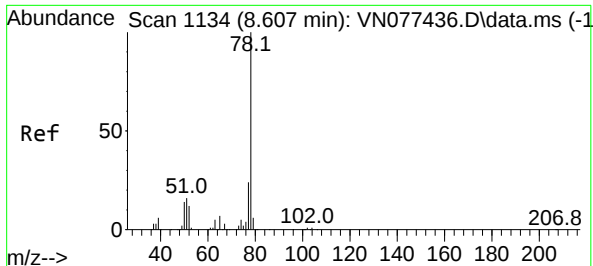
Ion Ratio Lower Upper

43 100

61 19.6 13.2 19.8

70 15.5 11.3 16.9





#40

Benzene

Concen: 89.729 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VN077573.D

Acq: 03 May 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

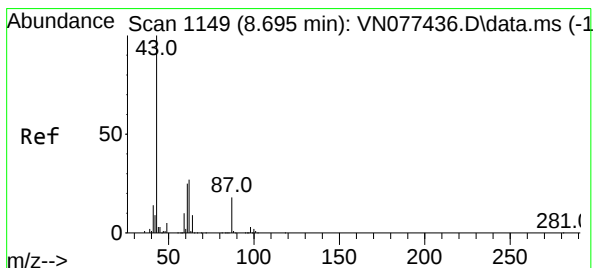
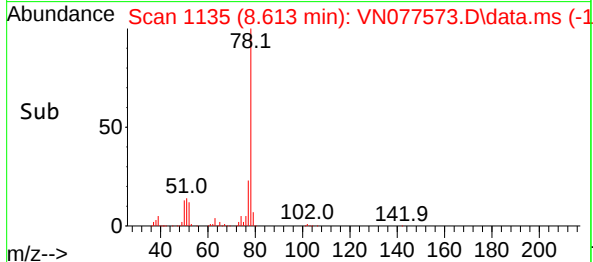
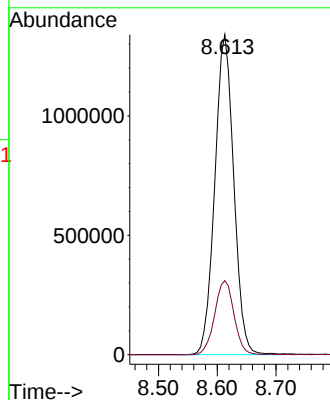
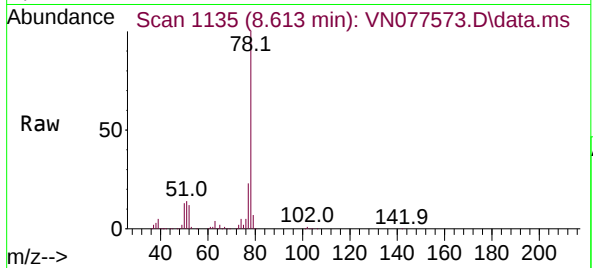
AUD-1993

Tgt Ion: 78 Resp: 2999616

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6



#43

Isopropyl Acetate

Concen: 33.852 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VN077573.D

Acq: 03 May 2023 19:23

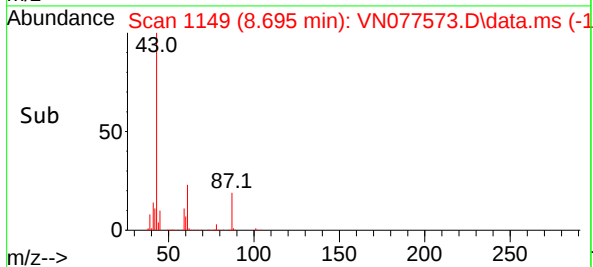
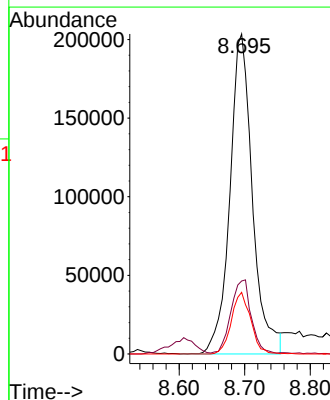
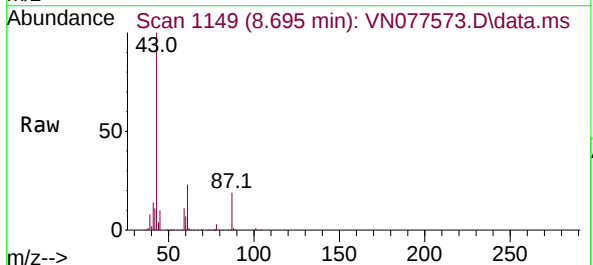
Tgt Ion: 43 Resp: 488341

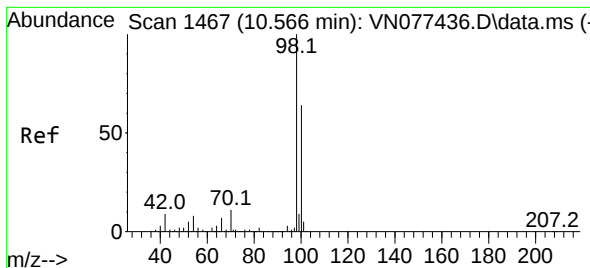
Ion Ratio Lower Upper

43 100

61 20.4 24.7 37.1#

87 16.5 14.6 21.8





#50

Toluene-d8

Concen: 52.914 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077573.D

Acq: 03 May 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

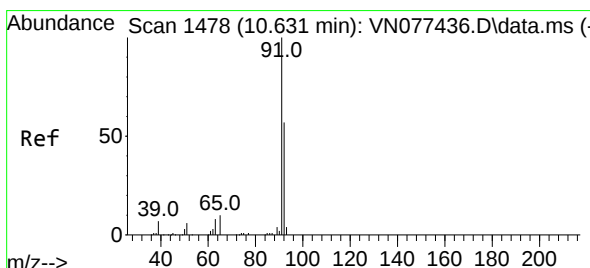
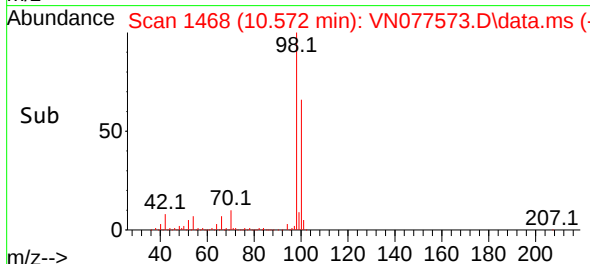
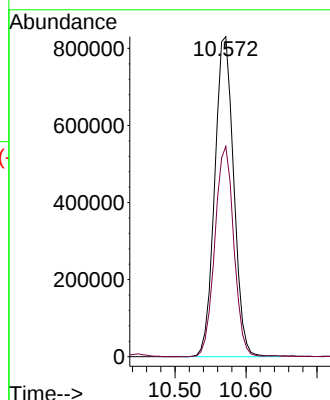
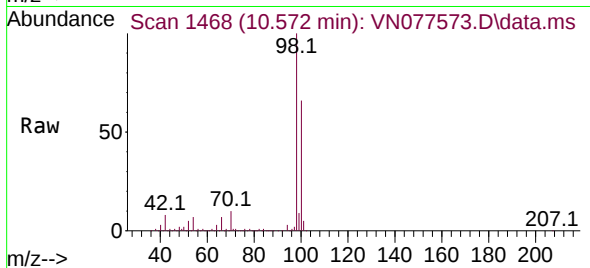
AUD-1993

Tgt Ion: 98 Resp: 1540398

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#52

Toluene

Concen: 86.800 ug/l

RT: 10.630 min Scan# 1478

Delta R.T. -0.000 min

Lab File: VN077573.D

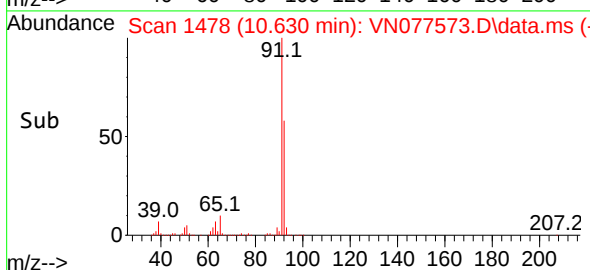
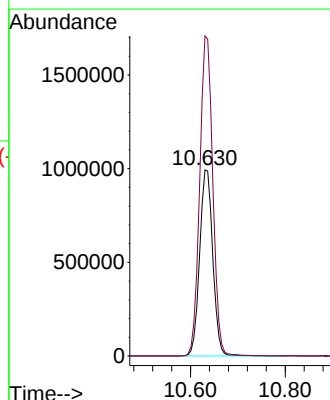
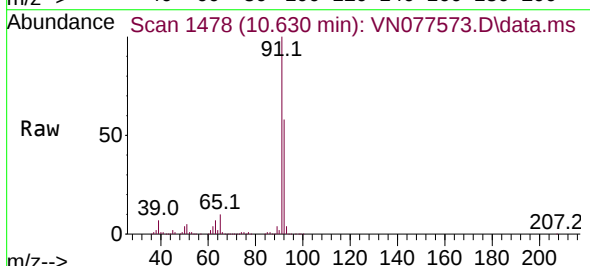
Acq: 03 May 2023 19:23

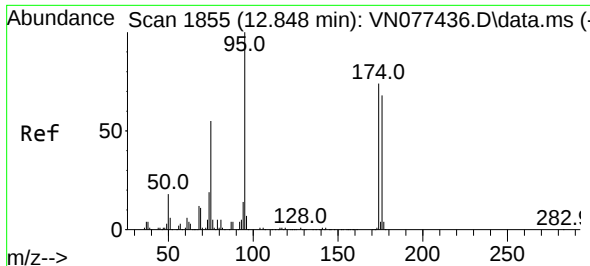
Tgt Ion: 92 Resp: 1900918

Ion Ratio Lower Upper

92 100

91 172.1 137.4 206.0

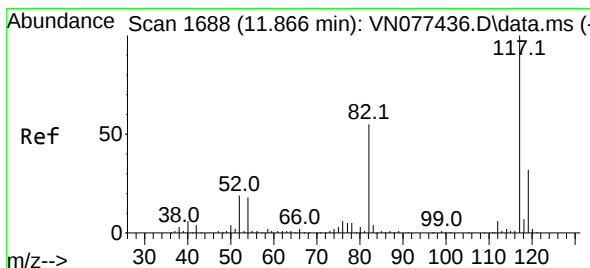
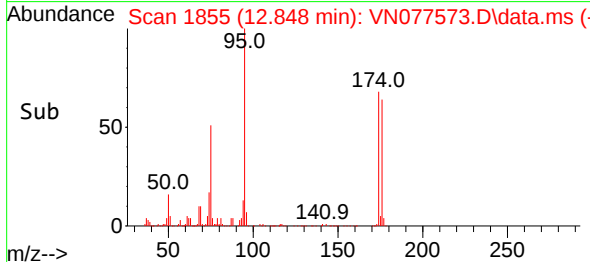
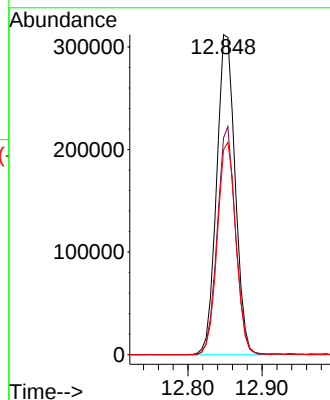
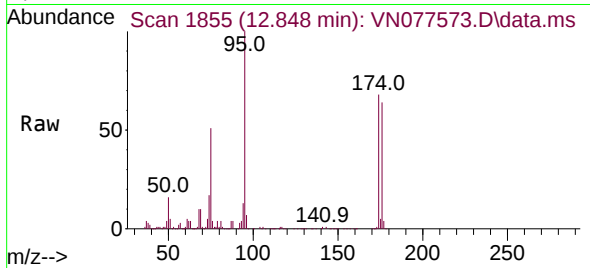




#62
4-Bromofluorobenzene
Concen: 56.936 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

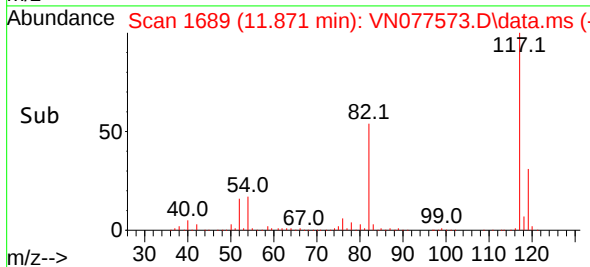
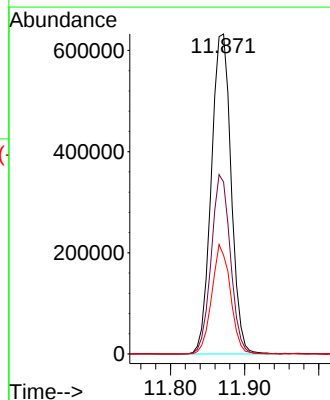
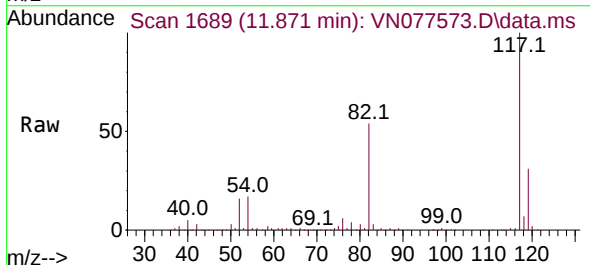
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993

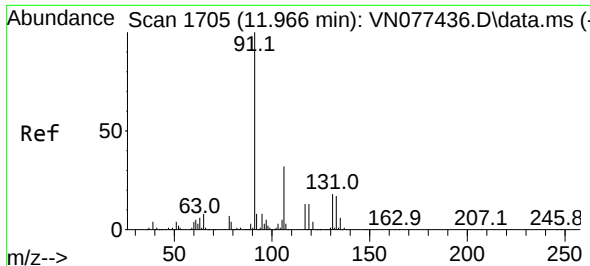
Tgt Ion: 95 Resp: 542281
Ion Ratio Lower Upper
95 100
174 69.6 0.0 143.8
176 66.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

Tgt Ion: 117 Resp: 1176051
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 30.9 25.6 38.4

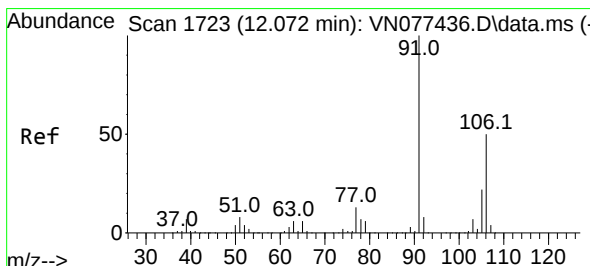
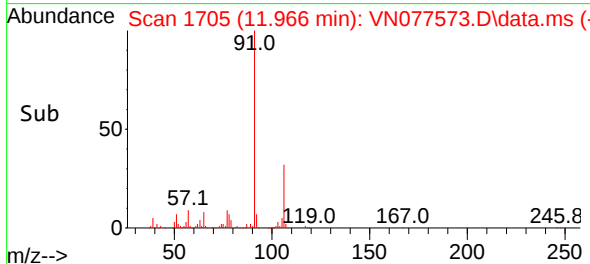
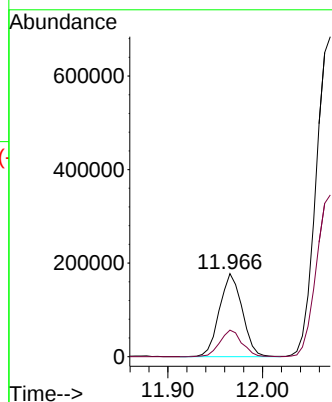
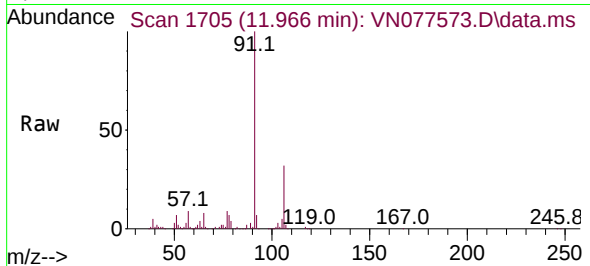




#67
Ethyl Benzene
Concen: 6.804 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

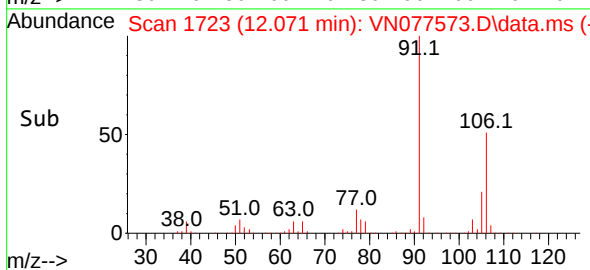
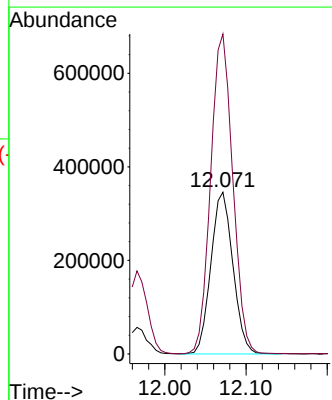
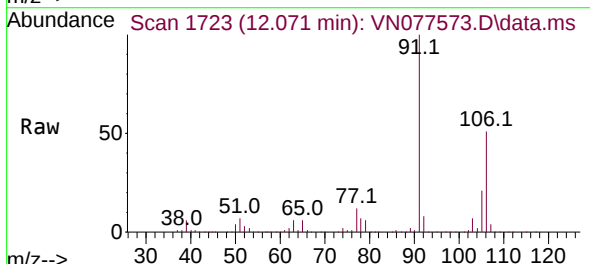
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993

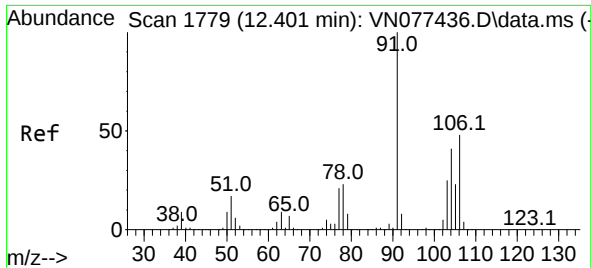
Tgt Ion: 91 Resp: 298063
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 38.279 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

Tgt Ion:106 Resp: 651769
Ion Ratio Lower Upper
106 100
91 198.4 159.6 239.4

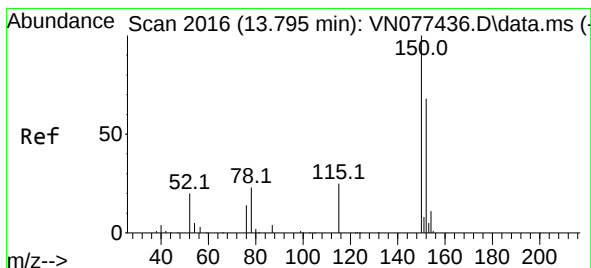
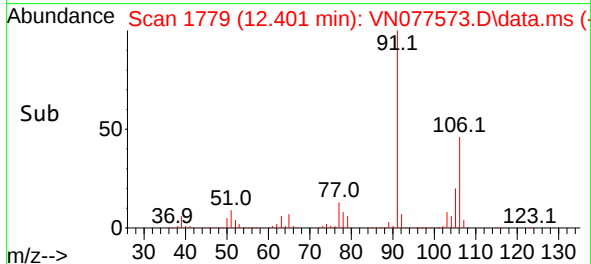
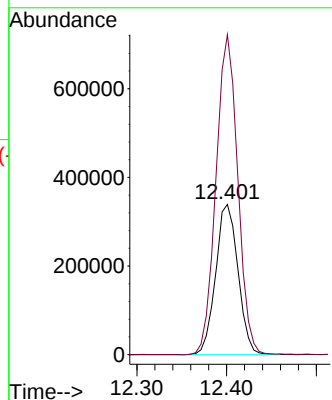
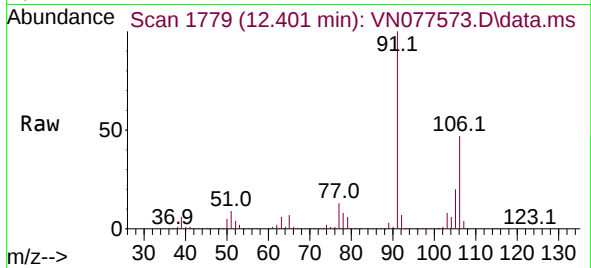




#69
o-Xylene
Concen: 35.018 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

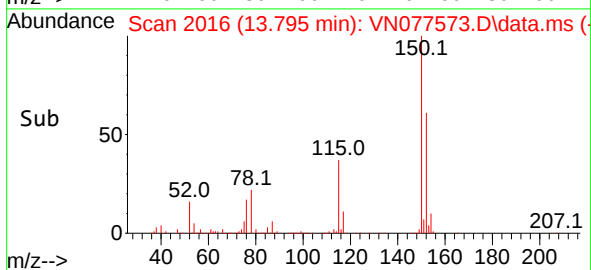
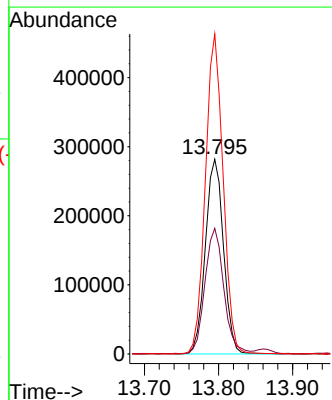
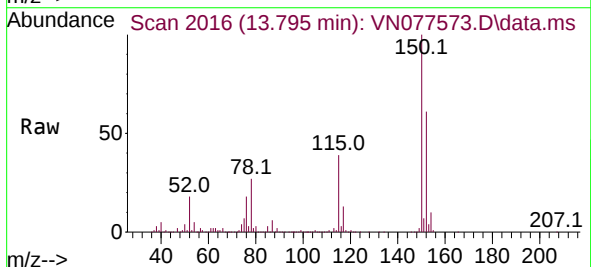
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993

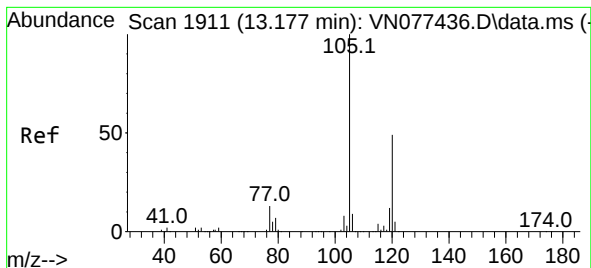
Tgt Ion:106 Resp: 586467
Ion Ratio Lower Upper
106 100
91 207.8 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

Tgt Ion:152 Resp: 479059
Ion Ratio Lower Upper
152 100
115 67.1 32.3 96.8
150 160.6 0.0 355.8





#80

1,3,5-Trimethylbenzene

Concen: 5.026 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077573.D

Acq: 03 May 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

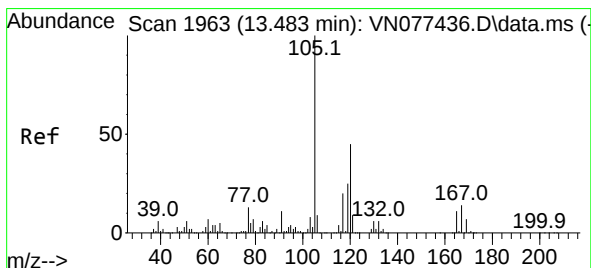
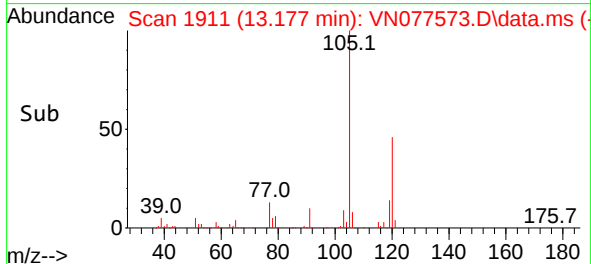
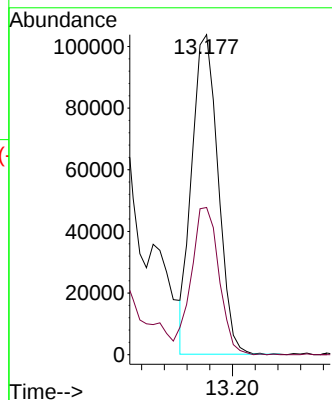
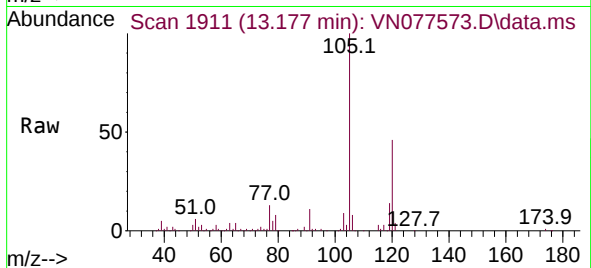
AUD-1993

Tgt Ion:105 Resp: 165911

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 21.391 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN077573.D

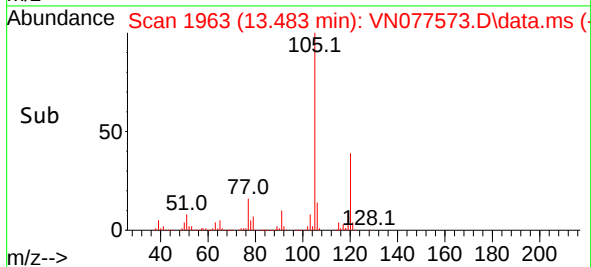
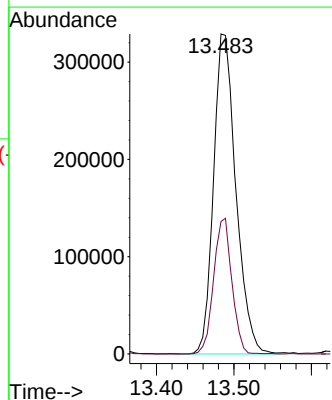
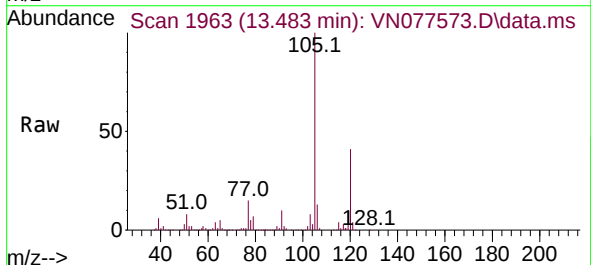
Acq: 03 May 2023 19:23

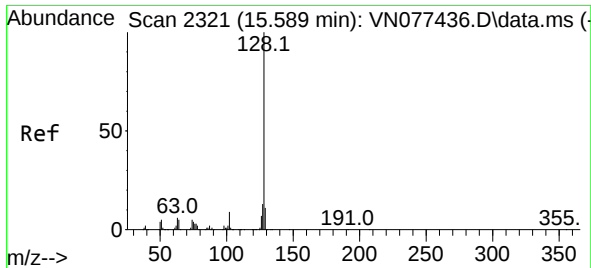
Tgt Ion:105 Resp: 659532

Ion Ratio Lower Upper

105 100

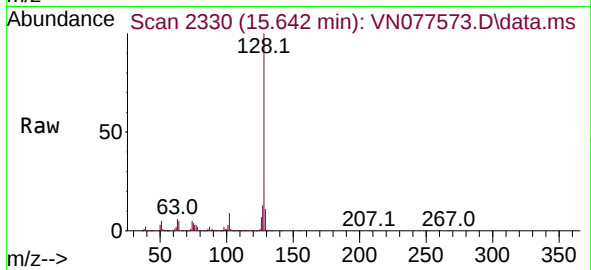
120 34.6 22.0 66.0





#95
Naphthalene
Concen: 192.030 ug/l
RT: 15.642 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN077573.D
Acq: 03 May 2023 19:23

Instrument :
MSVOA_N
ClientSampleId :
AUD-1993



Tgt Ion:128 Resp: 8834807
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.9 8.7 13.1

