

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111522\
 Data File : VY011455.D
 Acq On : 15 Nov 2022 14:06
 Operator : KP/MD
 Sample : N5417-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-1731

Quant Time: Nov 16 00:21:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

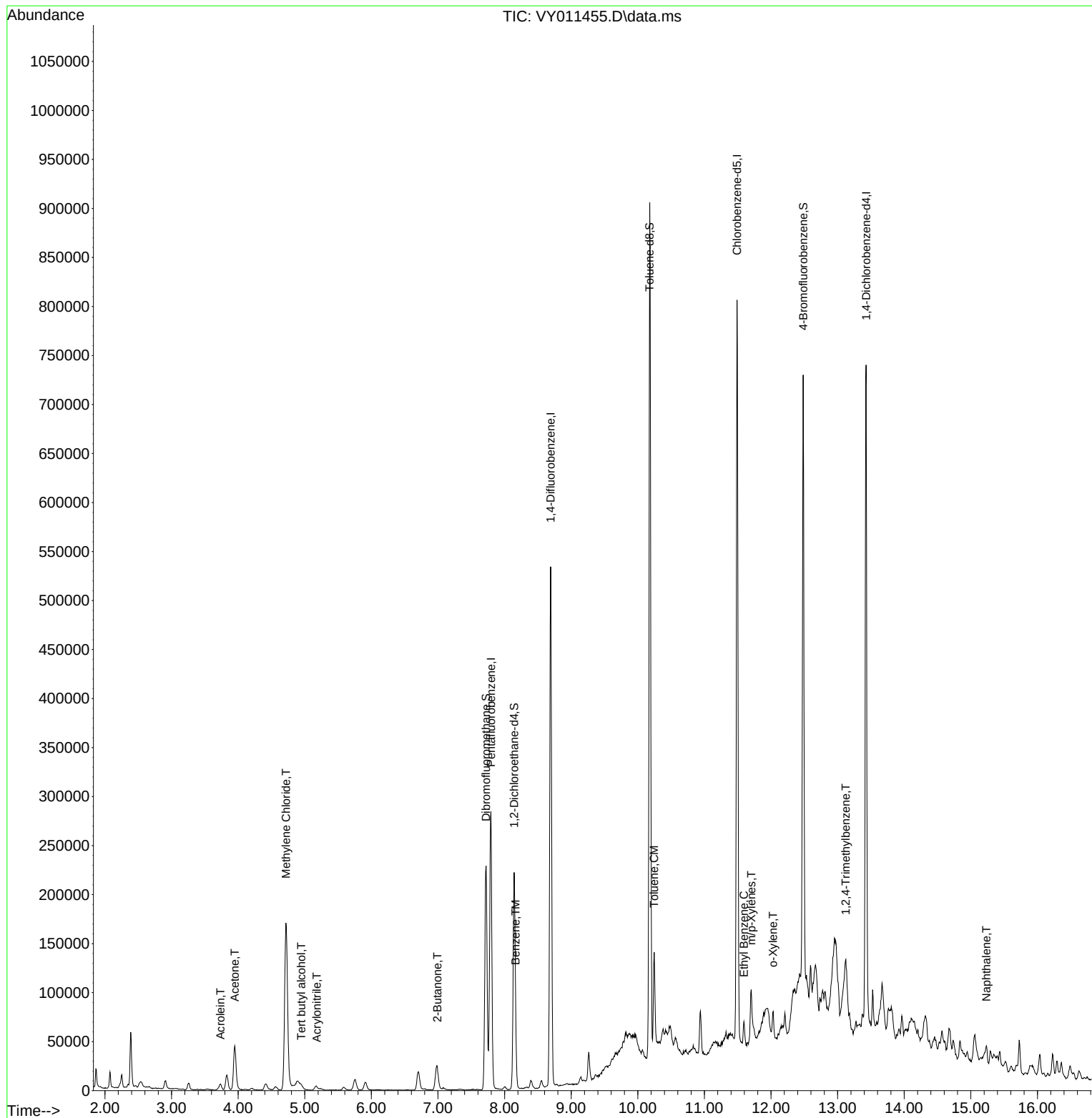
Internal Standards						
1) Pentafluorobenzene	7.795	168	233370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	481311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	449931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	189941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	157789	80.687	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.380%	
35) Dibromofluoromethane	7.722	113	167505	62.099	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.200%	
50) Toluene-d8	10.179	98	600247	58.249	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.500%	
62) 4-Bromofluorobenzene	12.483	95	196343	54.627	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.260%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	9075	8.393	ug/l #	86
13) Acrolein	3.735	56	7315	102.054	ug/l	84
15) Acrylonitrile	5.180	53	5795	9.900	ug/l	94
16) Acetone	3.948	43	75868	147.020	ug/l #	82
20) Methylene Chloride	4.716	84	143845	51.505	ug/l #	77
25) 2-Butanone	6.990	43	17864	24.303	ug/l #	74
40) Benzene	8.167	78	28358	2.268	ug/l	99
52) Toluene	10.246	92	43729	5.478	ug/l	95
67) Ethyl Benzene	11.593	91	17053	1.084	ug/l	96
68) m/p-Xylenes	11.703	106	15223	2.468	ug/l	96
69) o-Xylene	12.032	106	8008	1.376	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	22105	2.034	ug/l	79
95) Naphthalene	15.233	128	11688	4.795	ug/l #	89

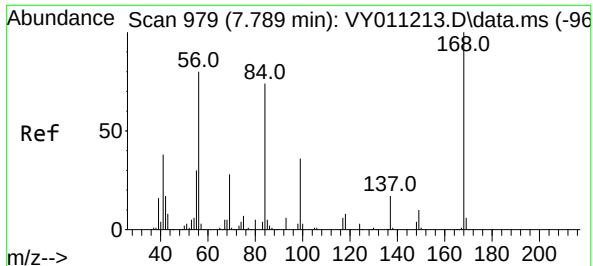
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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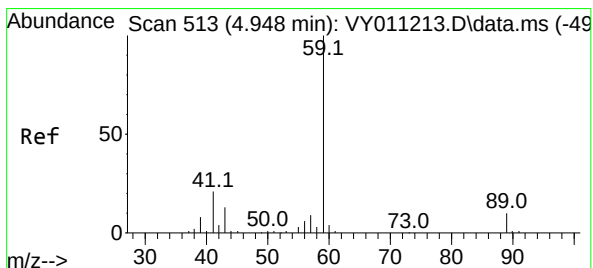
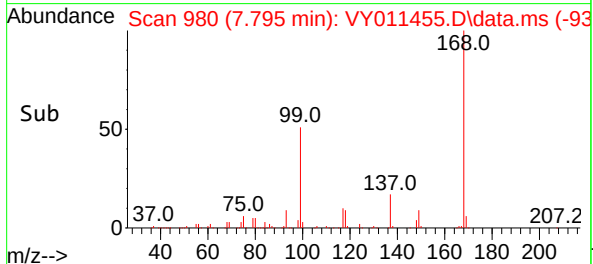
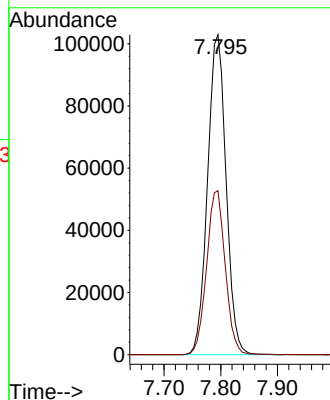
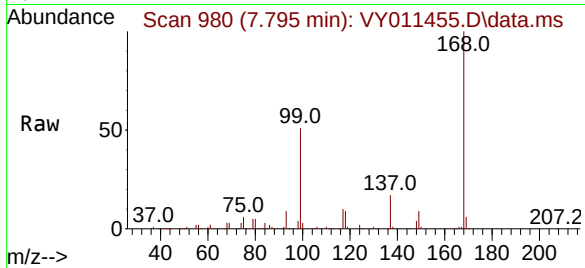




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

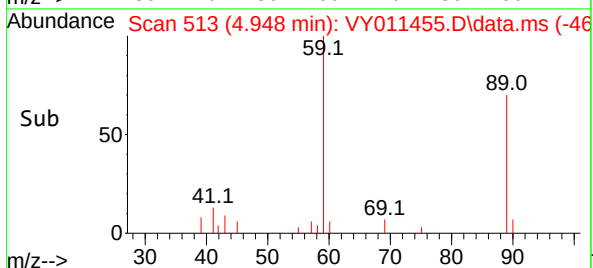
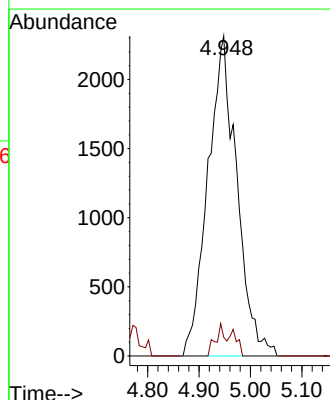
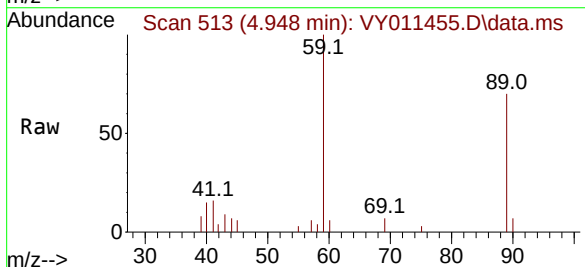
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1731

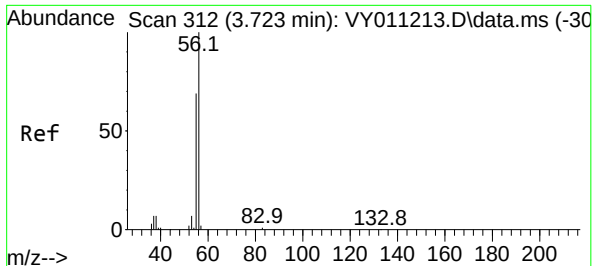
Tgt Ion:168 Resp: 233370
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 8.393 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion: 59 Resp: 9075
Ion Ratio Lower Upper
59 100
57 3.2 6.4 9.6#

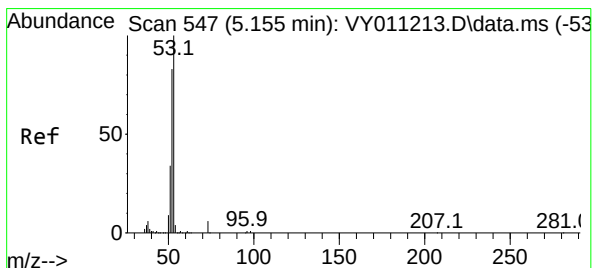
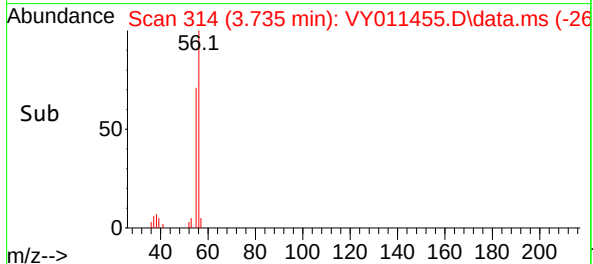
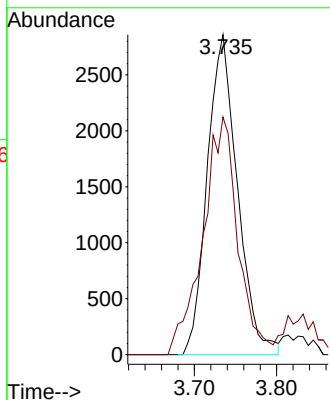
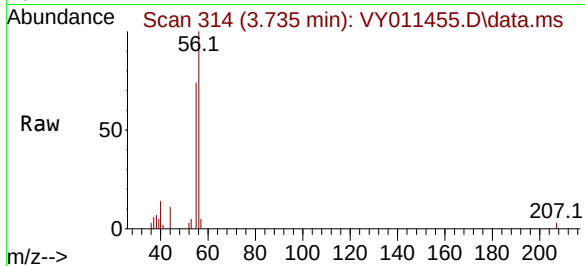




#13
Acrolein
Concen: 102.054 ug/l
RT: 3.735 min Scan# 312
Delta R.T. 0.012 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

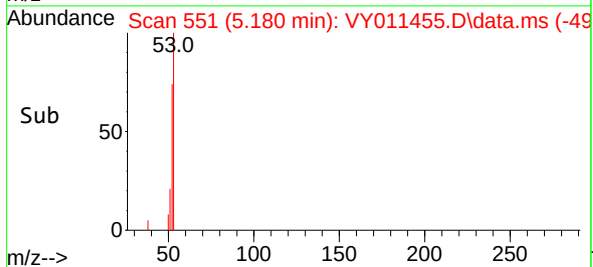
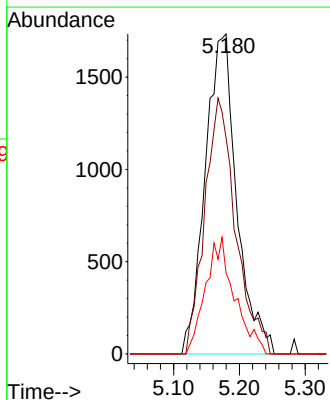
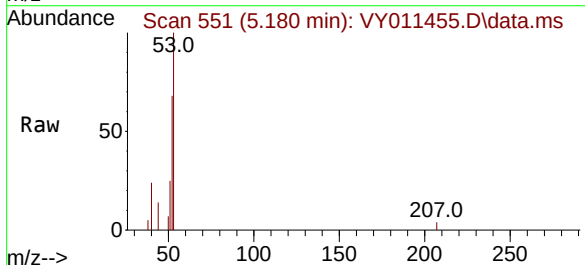
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1731

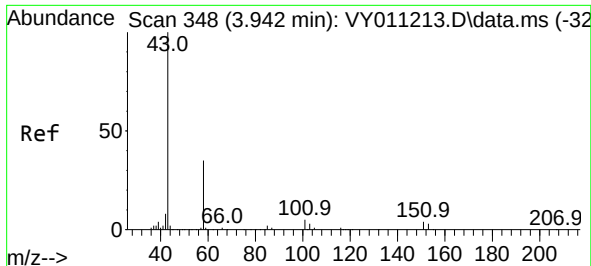
Tgt Ion: 56 Resp: 7315
Ion Ratio Lower Upper
56 100
55 85.5 57.6 86.4



#15
Acrylonitrile
Concen: 9.900 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.025 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion: 53 Resp: 5795
Ion Ratio Lower Upper
53 100
52 78.2 67.0 100.4
51 33.4 29.8 44.6

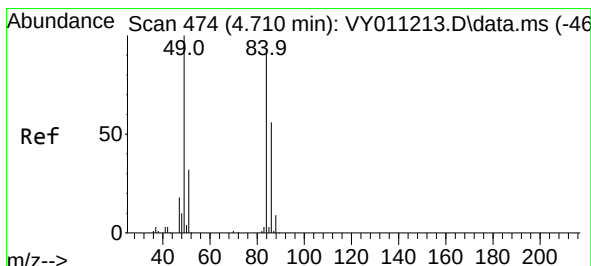
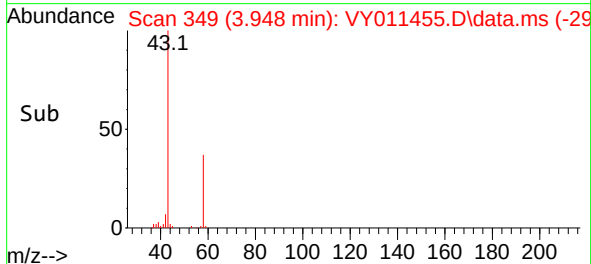
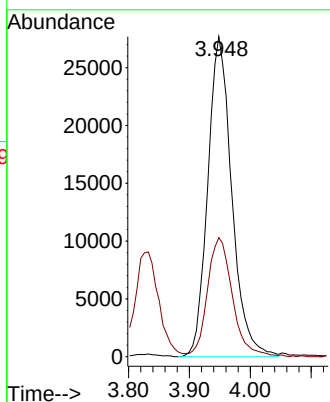
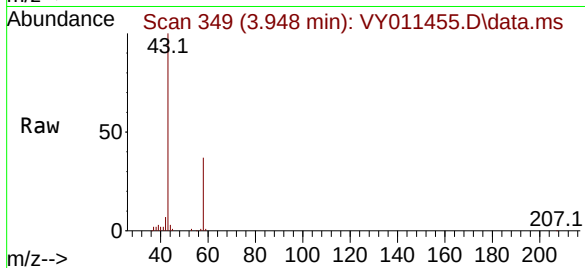




#16
Acetone
Concen: 147.020 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

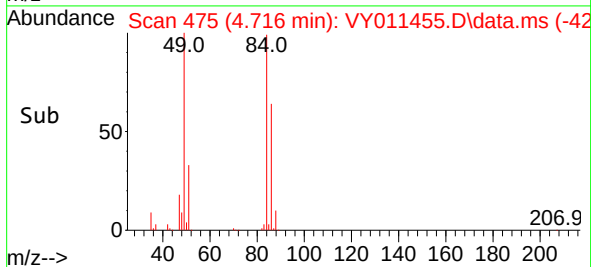
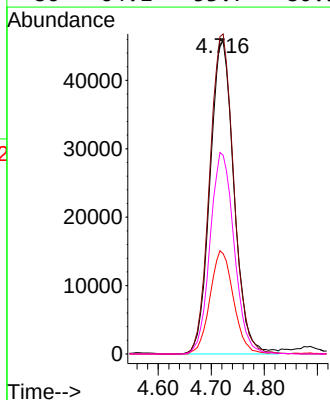
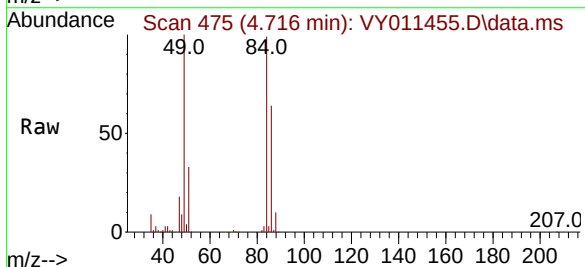
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1731

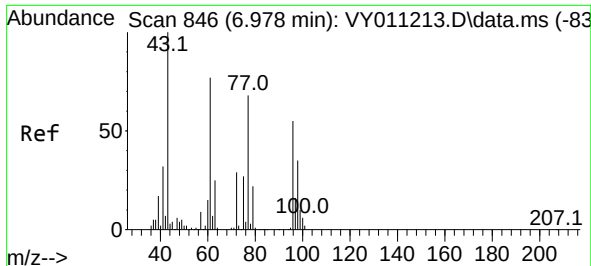
Tgt Ion: 43 Resp: 75868
Ion Ratio Lower Upper
43 100
58 36.8 22.0 33.0#



#20
Methylene Chloride
Concen: 51.505 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion: 84 Resp: 143845
Ion Ratio Lower Upper
84 100
49 100.9 114.4 171.6#
51 32.8 35.3 52.9#
86 64.1 53.7 80.5





#25

2-Butanone

Concen: 24.303 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY011455.D

Acq: 15 Nov 2022 14:06

Instrument :

MSVOA_Y

ClientSampleId :

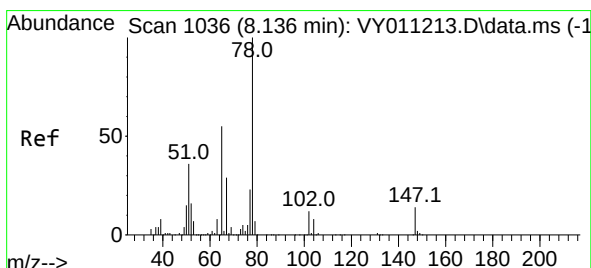
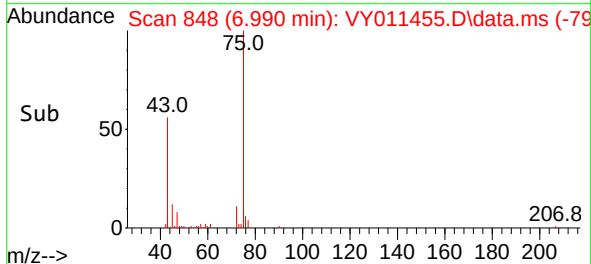
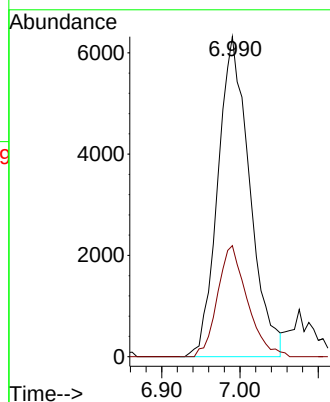
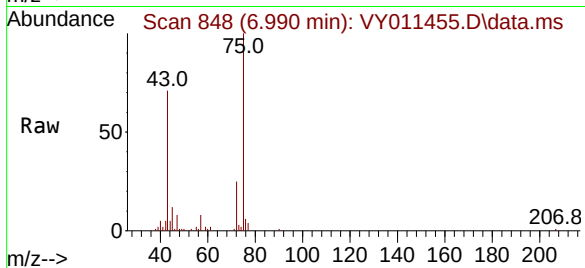
AUD-1731

Tgt Ion: 43 Resp: 17864

Ion Ratio Lower Upper

43 100

72 34.7 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 80.687 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.007 min

Lab File: VY011455.D

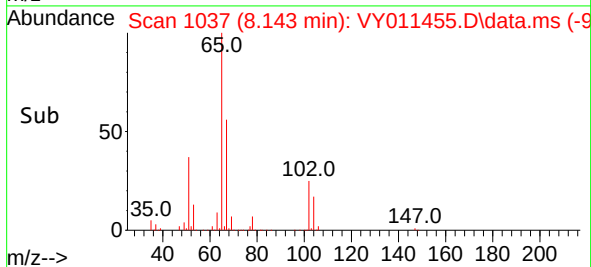
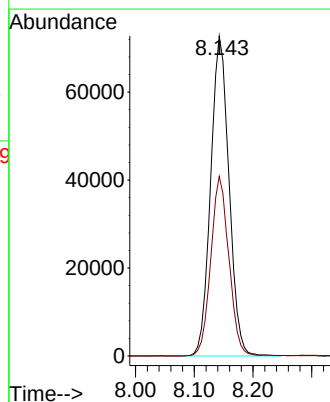
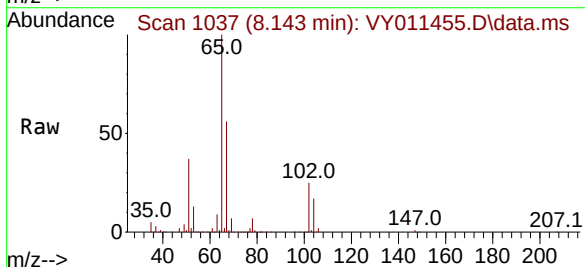
Acq: 15 Nov 2022 14:06

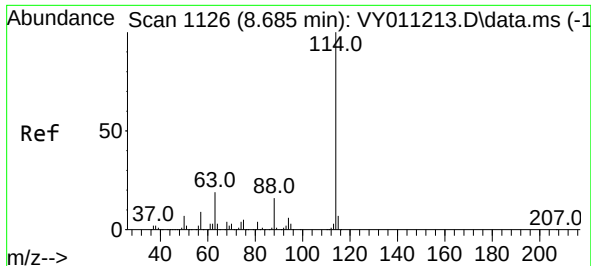
Tgt Ion: 65 Resp: 157789

Ion Ratio Lower Upper

65 100

67 55.3 0.0 99.4

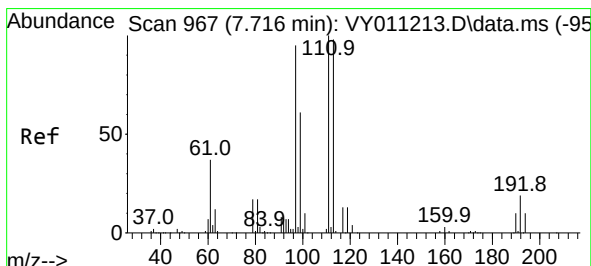
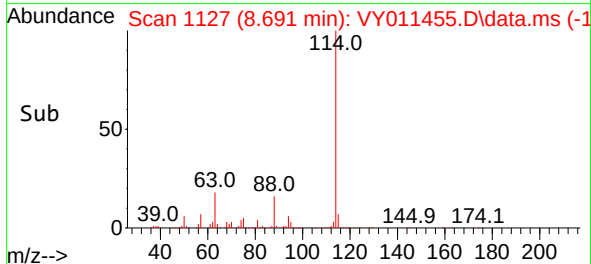
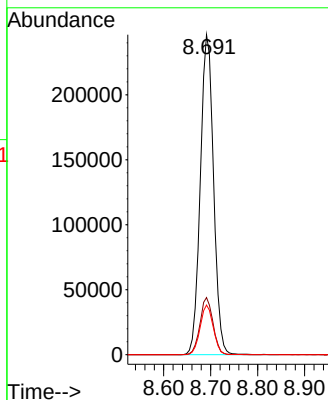
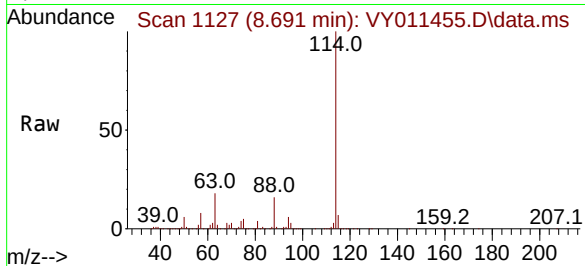




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

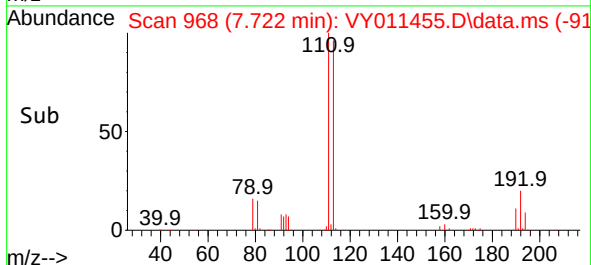
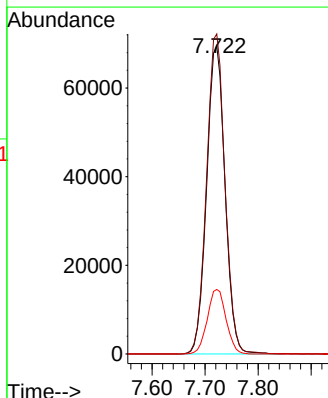
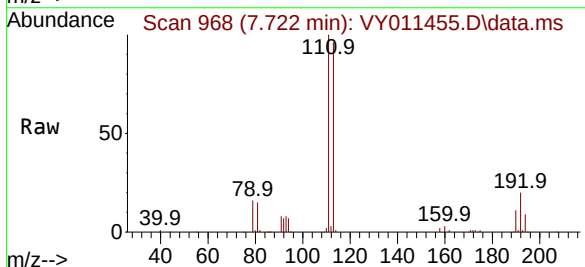
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1731

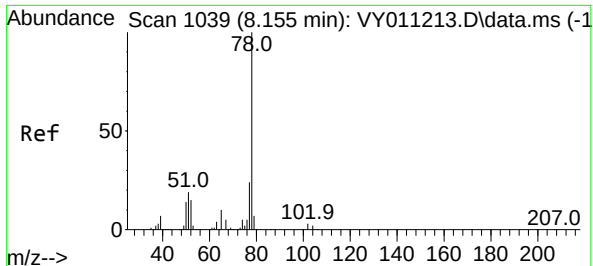
Tgt Ion:114 Resp: 481311
Ion Ratio Lower Upper
114 100
63 17.8 0.0 43.2
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 62.099 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.012 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion:113 Resp: 167505
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 21.3 17.6 26.4

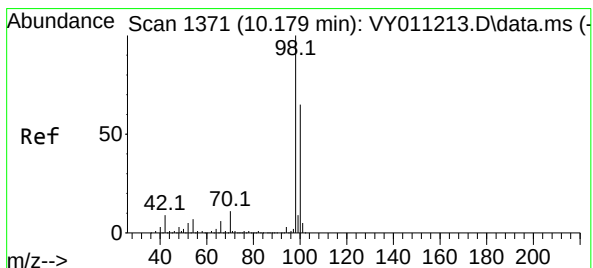
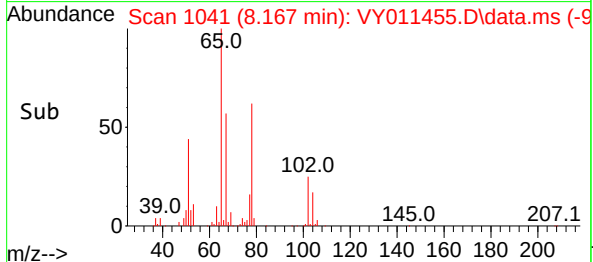
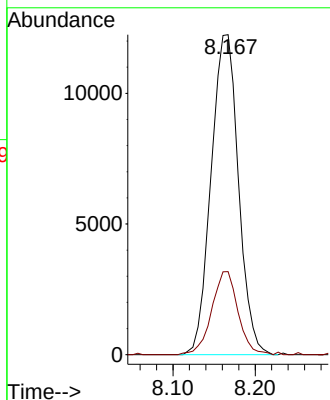
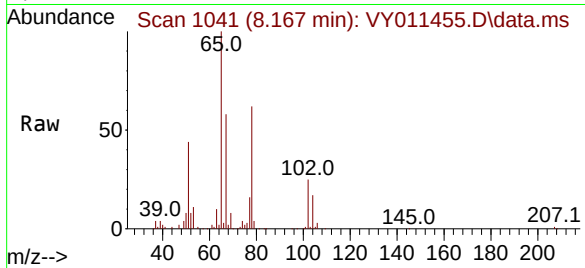




#40
Benzene
Concen: 2.268 ug/l
RT: 8.167 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

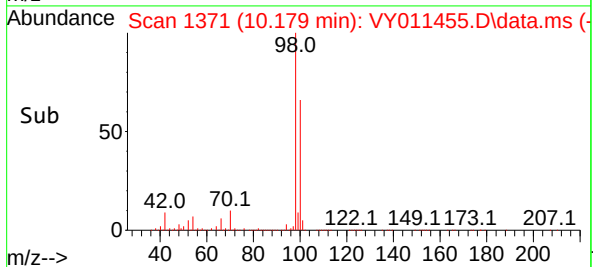
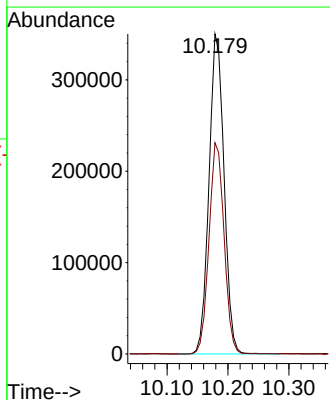
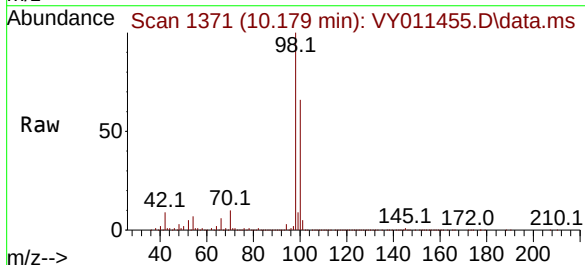
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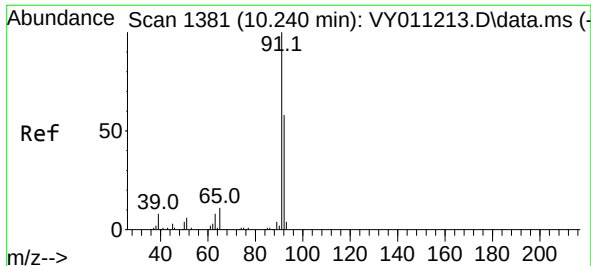
Tgt Ion: 78 Resp: 28358
Ion Ratio Lower Upper
78 100
77 25.9 20.4 30.6



#50
Toluene-d8
Concen: 58.249 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion: 98 Resp: 600247
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.2

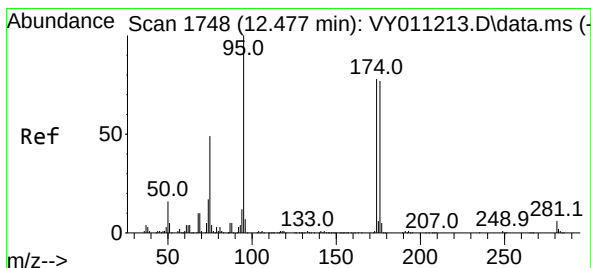
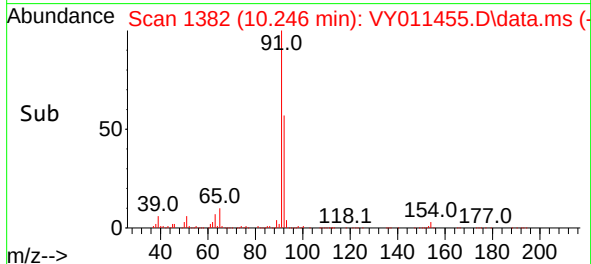
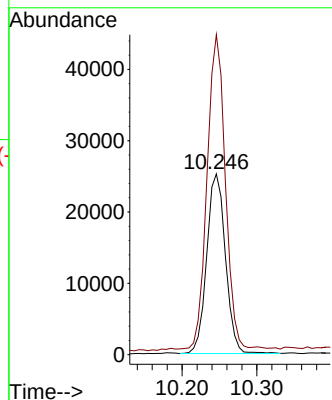
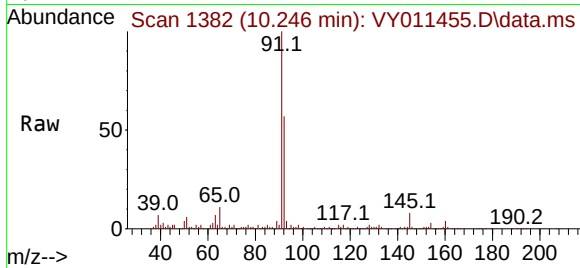




#52
Toluene
Concen: 5.478 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

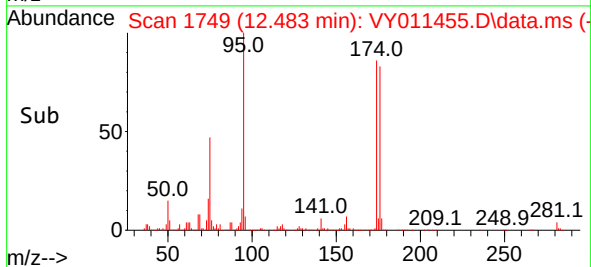
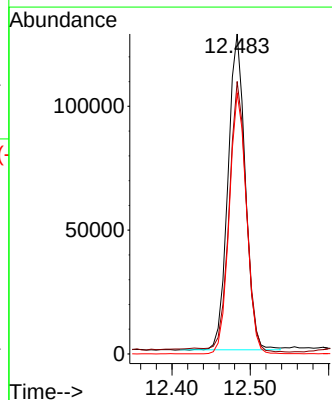
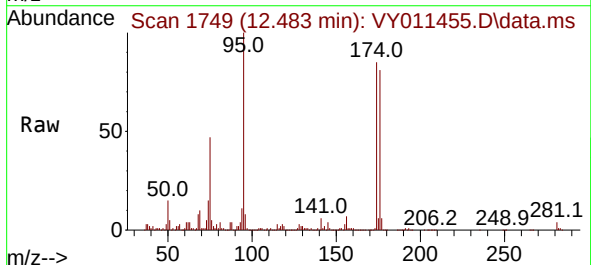
Instrument :
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AUD-1731

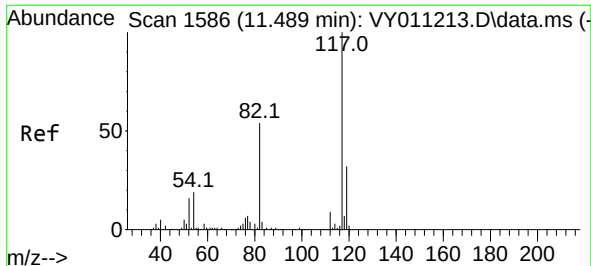
Tgt Ion: 92 Resp: 43729
Ion Ratio Lower Upper
92 100
91 170.5 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 54.627 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion: 95 Resp: 196343
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 81.7 0.0 175.8

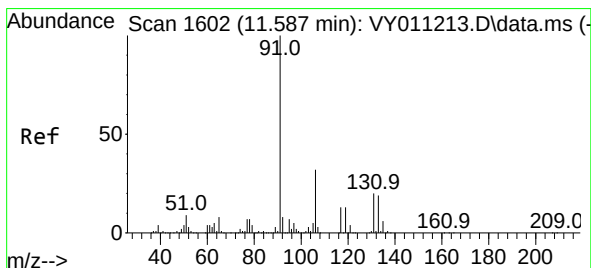
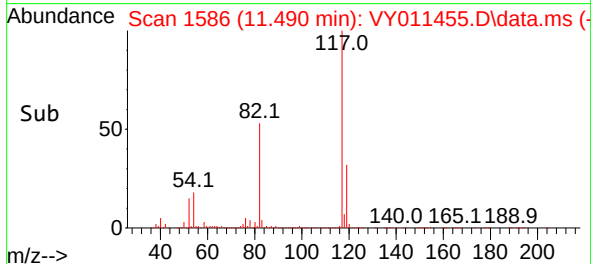
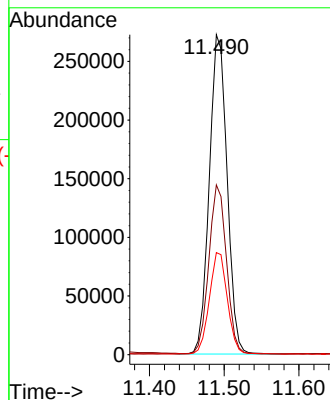
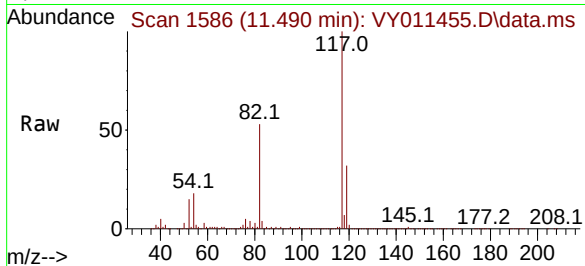




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

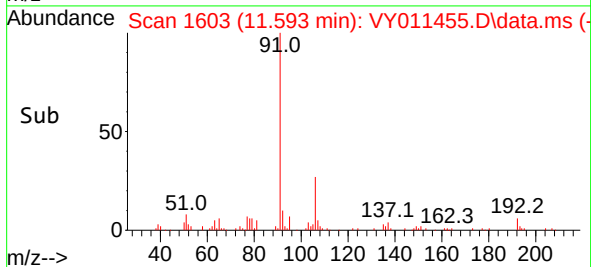
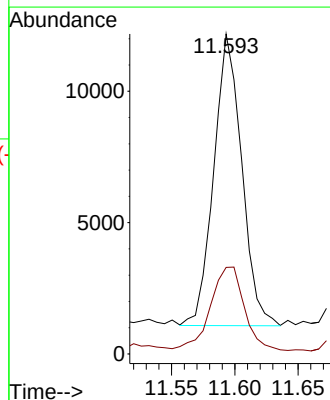
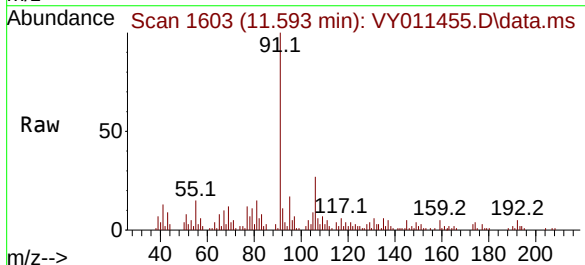
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1731

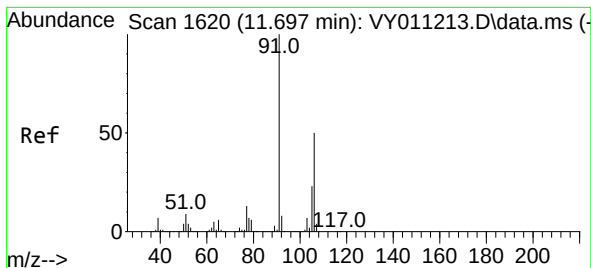
Tgt Ion:117 Resp: 449931
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 31.8 25.4 38.0



#67
Ethyl Benzene
Concen: 1.084 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion: 91 Resp: 17053
Ion Ratio Lower Upper
91 100
106 28.3 24.5 36.7





#68

m/p-Xylenes

Concen: 2.468 ug/l

RT: 11.703 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011455.D

Acq: 15 Nov 2022 14:06

Instrument :

MSVOA_Y

ClientSampleId :

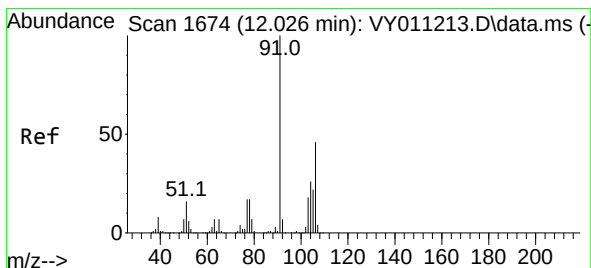
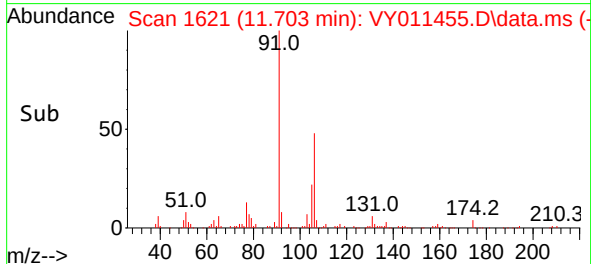
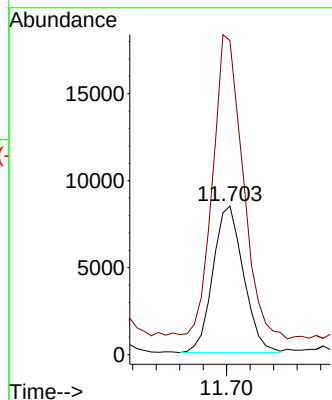
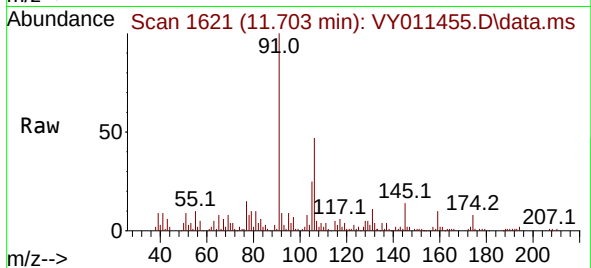
AUD-1731

Tgt Ion:106 Resp: 15223

Ion Ratio Lower Upper

106 100

91 201.4 166.6 249.8



#69

o-Xylene

Concen: 1.376 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VY011455.D

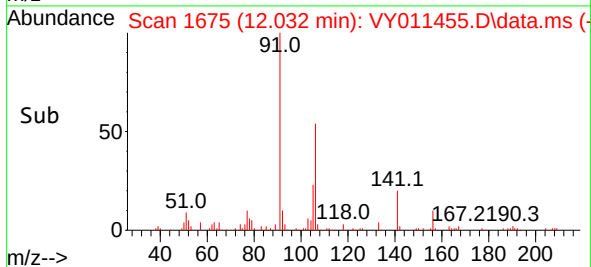
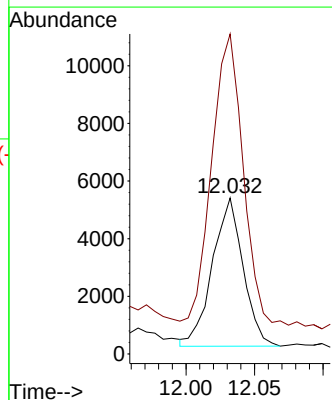
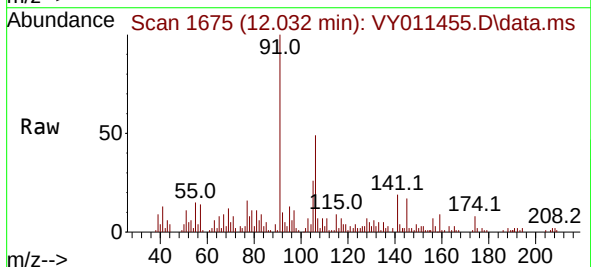
Acq: 15 Nov 2022 14:06

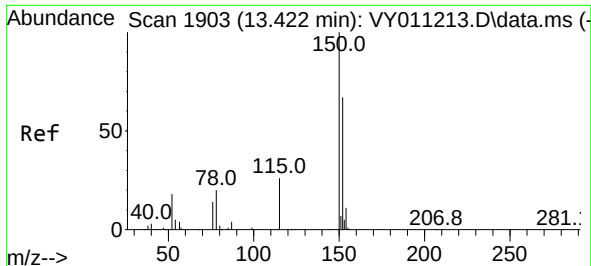
Tgt Ion:106 Resp: 8008

Ion Ratio Lower Upper

106 100

91 210.1 110.3 331.0

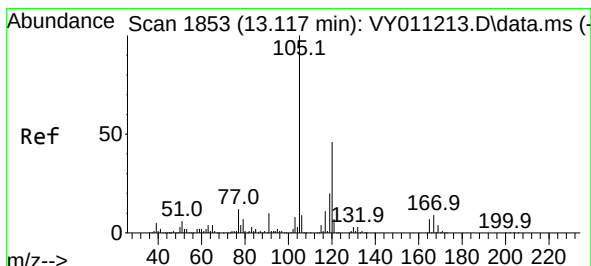
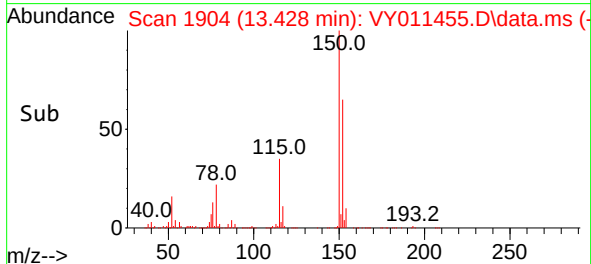
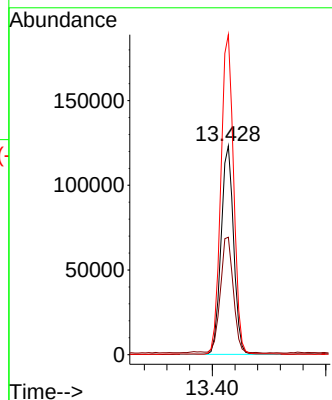
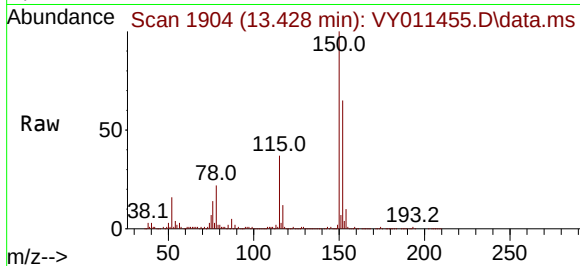




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

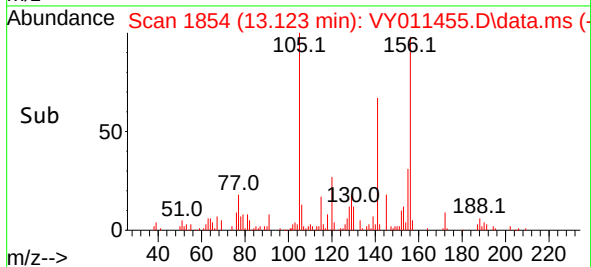
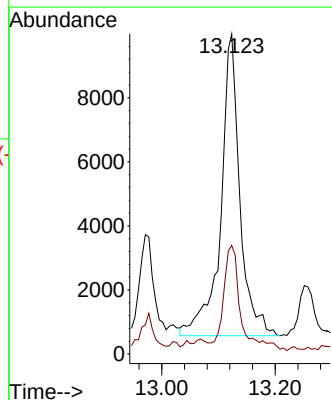
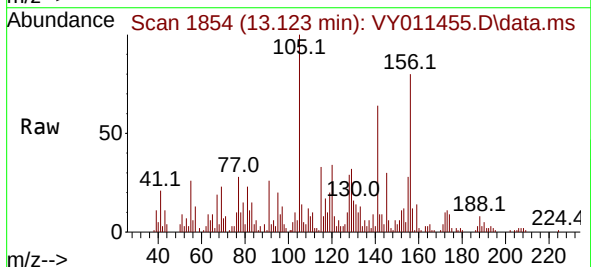
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1731

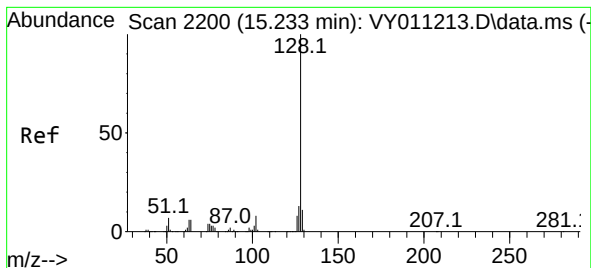
Tgt Ion:152 Resp: 189941
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 155.2 0.0 347.6



#84
1,2,4-Trimethylbenzene
Concen: 2.034 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY011455.D
Acq: 15 Nov 2022 14:06

Tgt Ion:105 Resp: 22105
Ion Ratio Lower Upper
105 100
120 30.9 22.3 66.9





#95

Naphthalene

Concen: 4.795 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011455.D

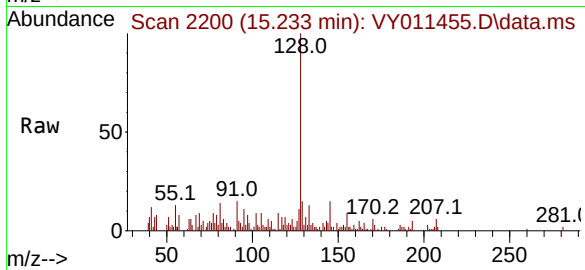
Acq: 15 Nov 2022 14:06

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1731



Tgt Ion:128 Resp: 11688

Ion Ratio Lower Upper

128 100

127 15.7 11.0 16.4

129 17.3 8.4 12.6#

