

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101022\
 Data File : VX032024.D
 Acq On : 10 Oct 2022 19:46
 Operator : JC/MD
 Sample : N4987-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1678

Quant Time: Oct 11 05:14:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

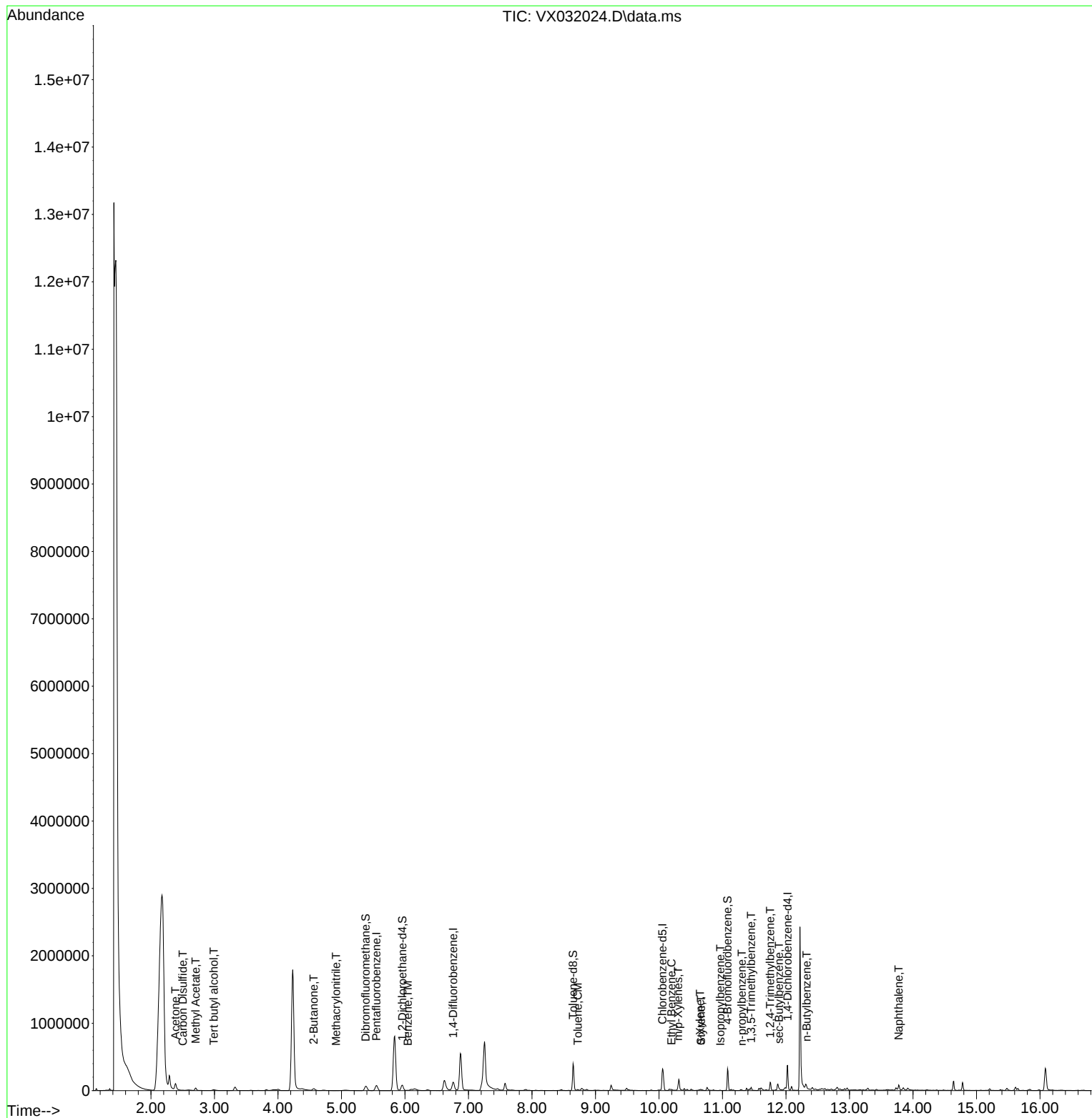
Internal Standards						
1) Pentafluorobenzene	5.550	168	71198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	110122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78577	53.440	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.880%			
35) Dibromofluoromethane	5.379	113	57107	45.813	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.620%			
50) Toluene-d8	8.647	98	226649	50.530	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.060%			
62) 4-Bromofluorobenzene	11.079	95	78676	49.615	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.240%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.989	59	19915	108.860	ug/l	96
16) Acetone	2.386	43	111071	222.262	ug/l	100
17) Carbon Disulfide	2.502	76	1747	0.750	ug/l #	81
18) Methyl Acetate	2.703	43	45767	27.757	ug/l	97
25) 2-Butanone	4.562	43	48271	61.792	ug/l	96
40) Benzene	6.044	78	5615	1.160	ug/l	93
41) Methacrylonitrile	4.916	41	254	0.314	ug/l #	27
52) Toluene	8.720	92	4359	1.377	ug/l	92
67) Ethyl Benzene	10.195	91	4063	0.671	ug/l	96
68) m/p-Xylenes	10.299	106	7965	3.311	ug/l	90
69) o-Xylene	10.647	106	942	0.403	ug/l	81
70) Styrene	10.659	104	5764	1.542	ug/l #	90
73) Isopropylbenzene	10.964	105	2438	0.436	ug/l	93
78) n-propylbenzene	11.305	91	3811	0.599	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	18066	3.895	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	47099	9.996	ug/l	82
85) sec-Butylbenzene	11.890	105	1868	0.329	ug/l	97
89) n-Butylbenzene	12.323	91	3765	0.940	ug/l #	29
95) Naphthalene	13.774	128	40460	7.460	ug/l	99

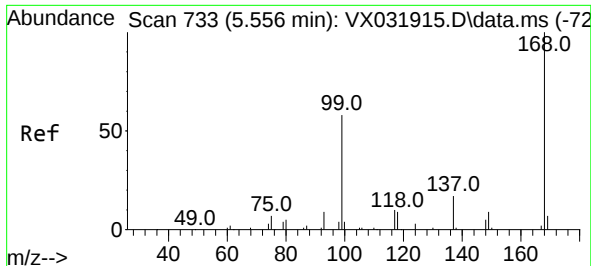
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

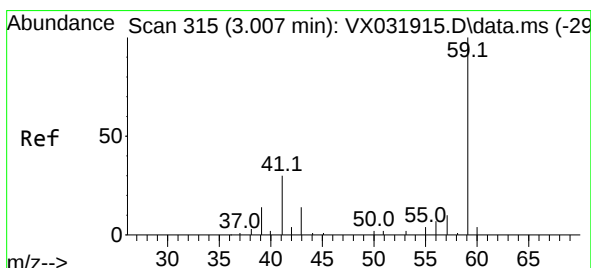
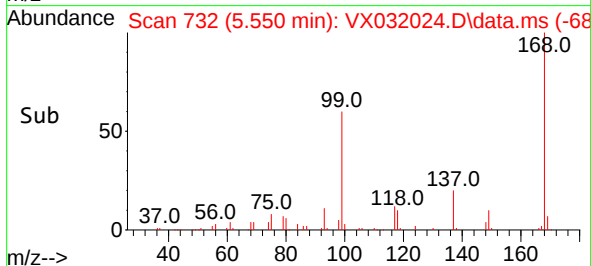
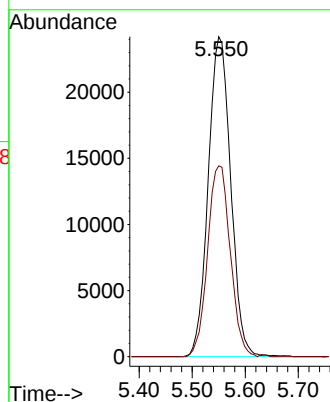
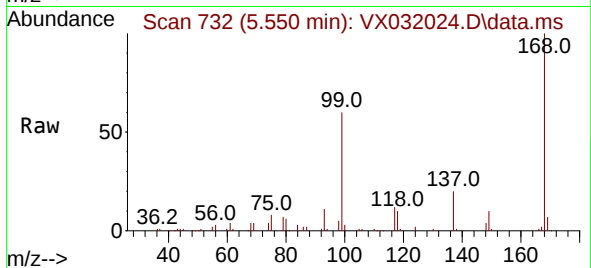




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

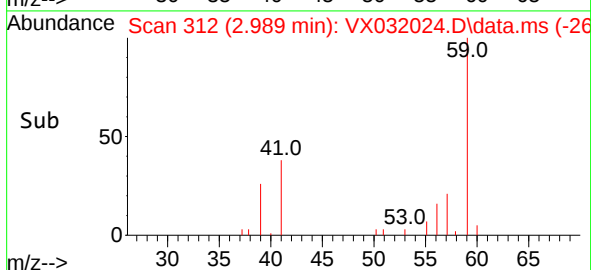
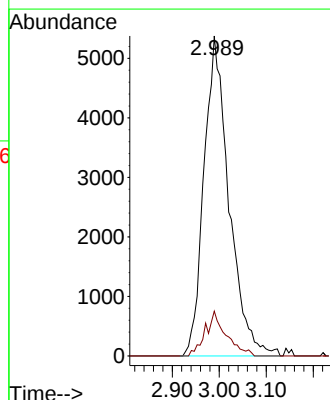
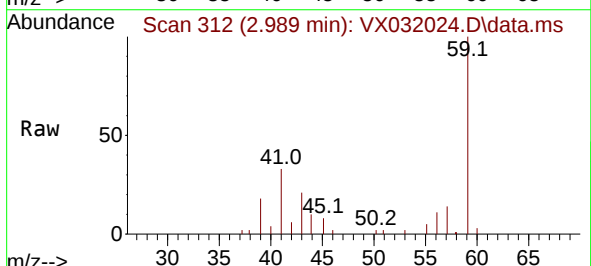
Instrument :
MSVOA_X
ClientSampleId :
AUD-1678

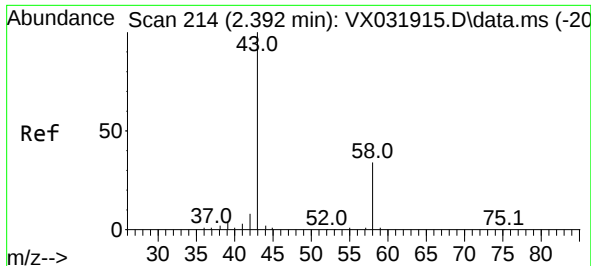
Tgt Ion:168 Resp: 71198
Ion Ratio Lower Upper
168 100
99 59.7 48.8 73.2



#11
Tert butyl alcohol
Concen: 108.860 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.018 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion: 59 Resp: 19915
Ion Ratio Lower Upper
59 100
57 11.6 8.2 12.2

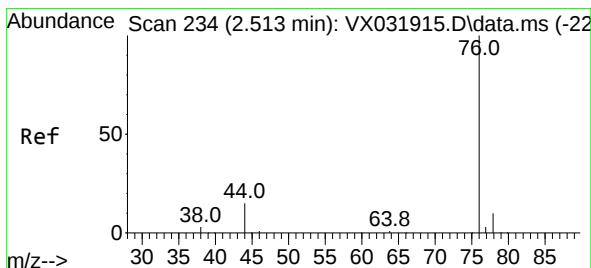
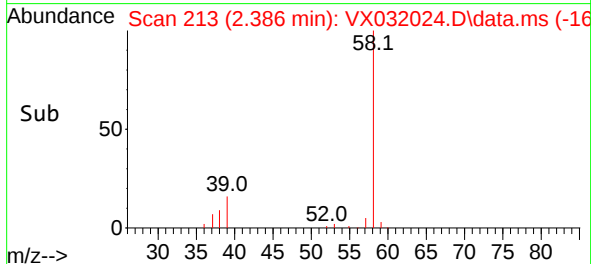
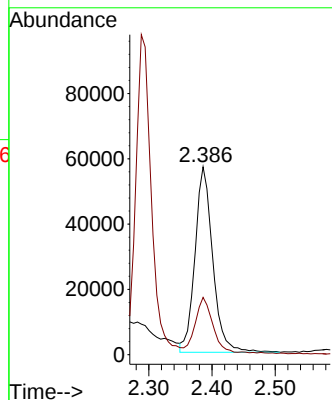
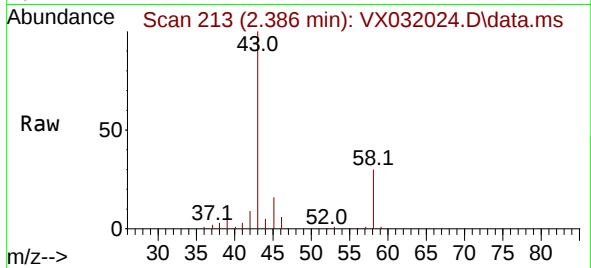




#16
Acetone
Concen: 222.262 ug/l
RT: 2.386 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

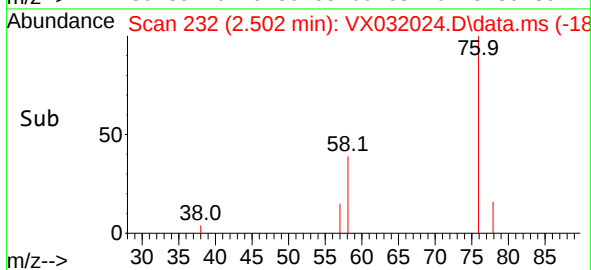
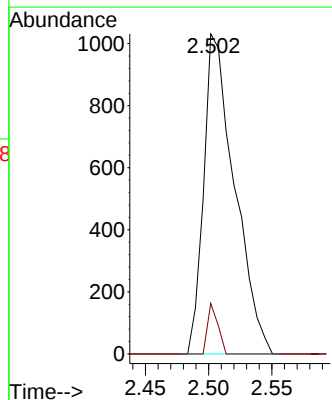
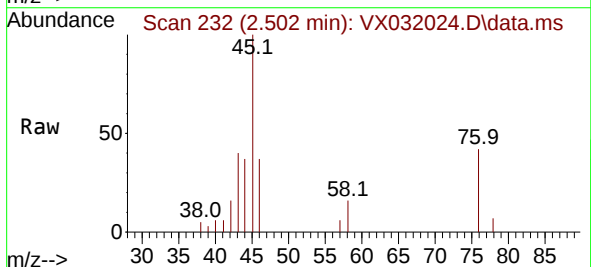
Instrument :
MSVOA_X
ClientSampleId :
AUD-1678

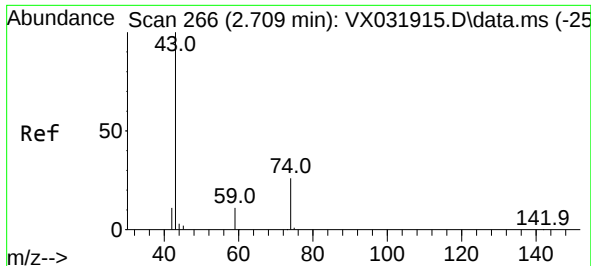
Tgt Ion: 43 Resp: 111071
Ion Ratio Lower Upper
43 100
58 30.0 23.8 35.8



#17
Carbon Disulfide
Concen: 0.750 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.011 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion: 76 Resp: 1747
Ion Ratio Lower Upper
76 100
78 15.8 7.2 10.8#





#18

Methyl Acetate

Concen: 27.757 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX032024.D

Acq: 10 Oct 2022 19:46

Instrument :

MSVOA_X

ClientSampleId :

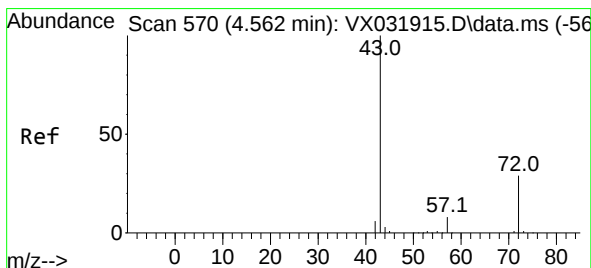
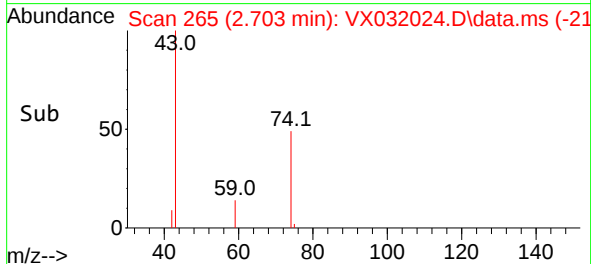
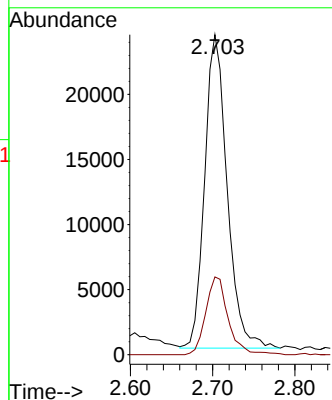
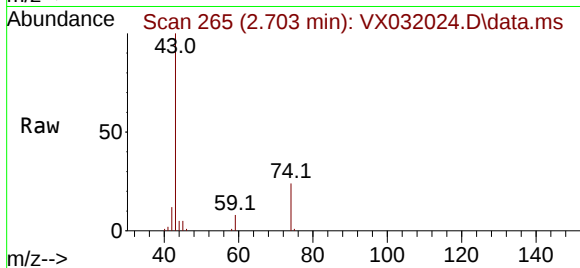
AUD-1678

Tgt Ion: 43 Resp: 45767

Ion Ratio Lower Upper

43 100

74 24.7 18.6 27.8



#25

2-Butanone

Concen: 61.792 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX032024.D

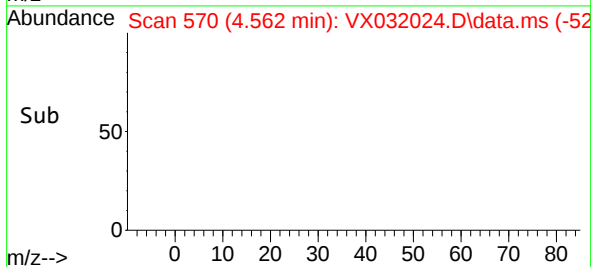
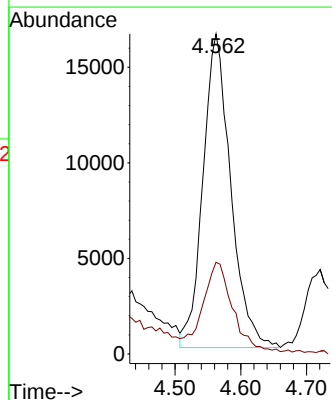
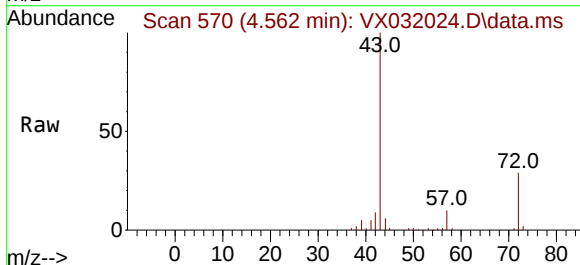
Acq: 10 Oct 2022 19:46

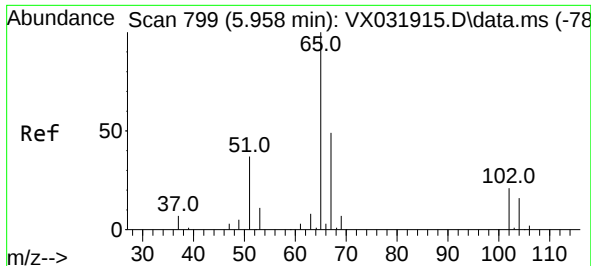
Tgt Ion: 43 Resp: 48271

Ion Ratio Lower Upper

43 100

72 28.5 21.1 31.7





#33

1,2-Dichloroethane-d4

Concen: 53.440 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032024.D

Acq: 10 Oct 2022 19:46

Instrument :

MSVOA_X

ClientSampleId :

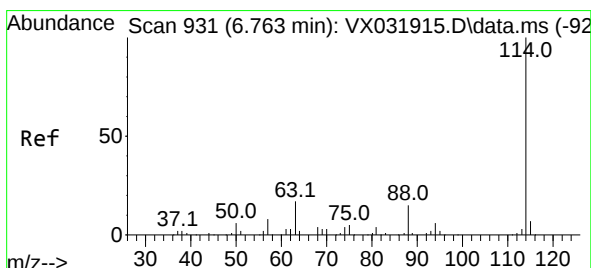
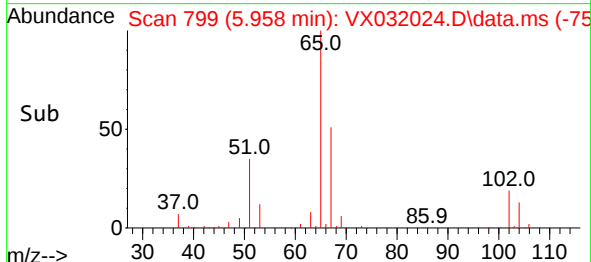
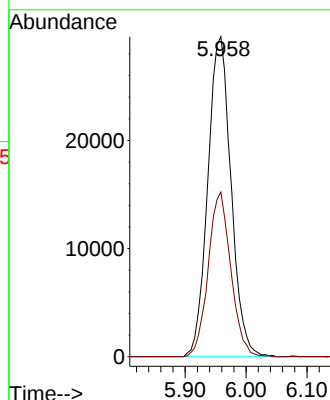
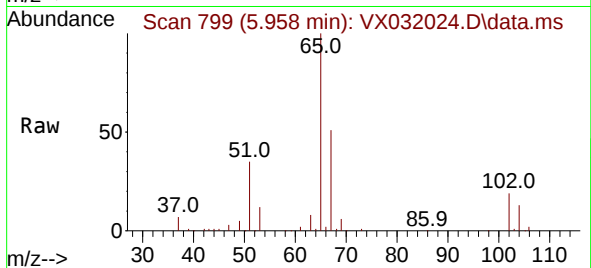
AUD-1678

Tgt Ion: 65 Resp: 78577

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX032024.D

Acq: 10 Oct 2022 19:46

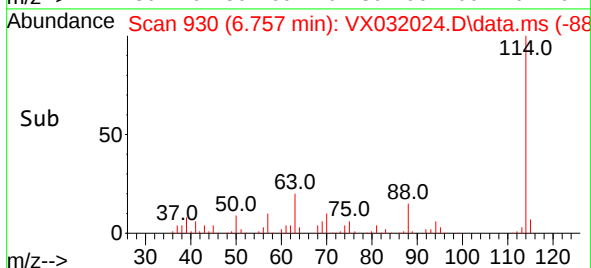
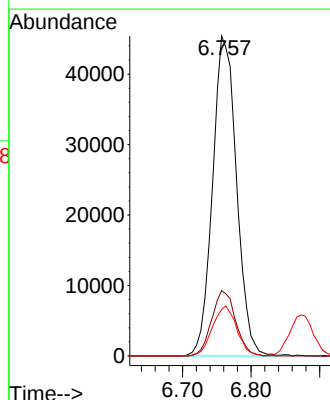
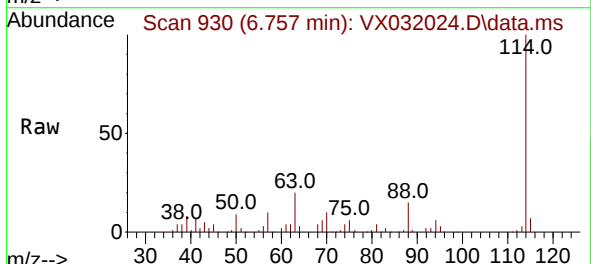
Tgt Ion: 114 Resp: 110122

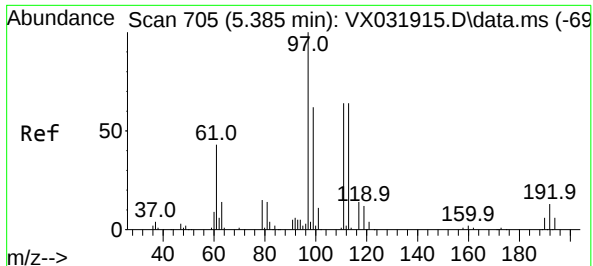
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 14.6 0.0 33.0

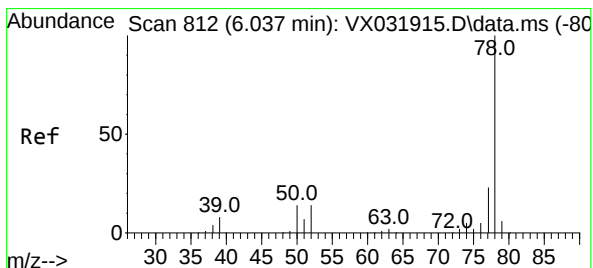
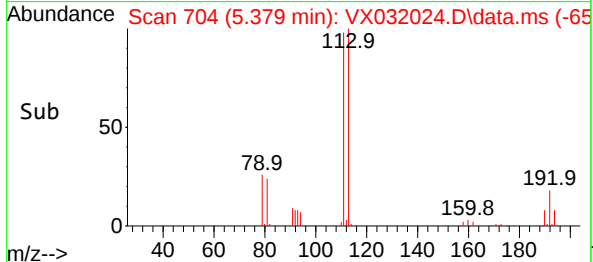
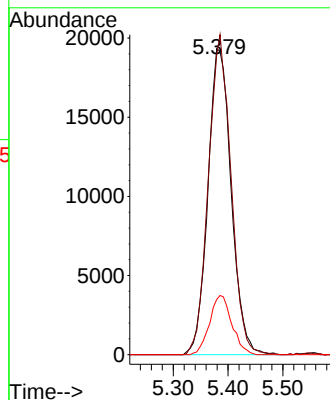
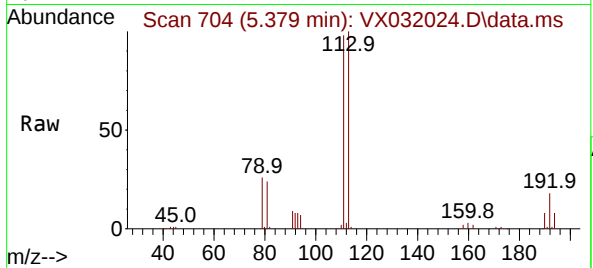




#35
Dibromofluoromethane
Concen: 45.813 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

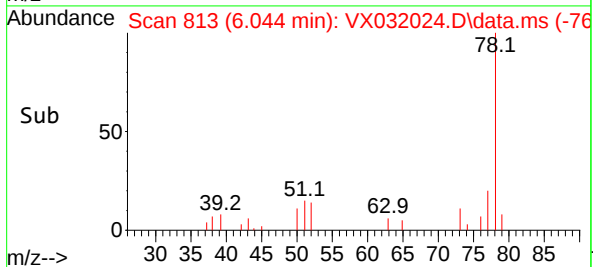
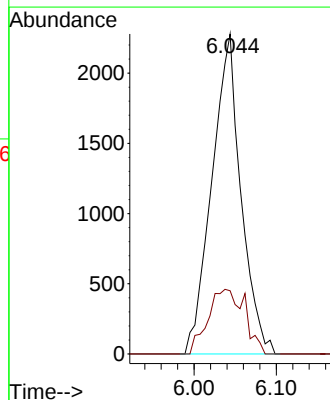
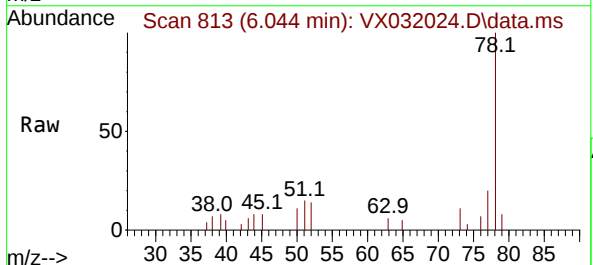
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ClientSampleId :
AUD-1678

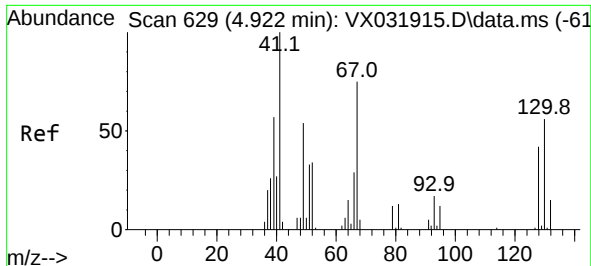
Tgt Ion:113 Resp: 57107
Ion Ratio Lower Upper
113 100
111 101.3 82.4 123.6
192 18.5 14.1 21.1



#40
Benzene
Concen: 1.160 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion: 78 Resp: 5615
Ion Ratio Lower Upper
78 100
77 19.7 18.7 28.1

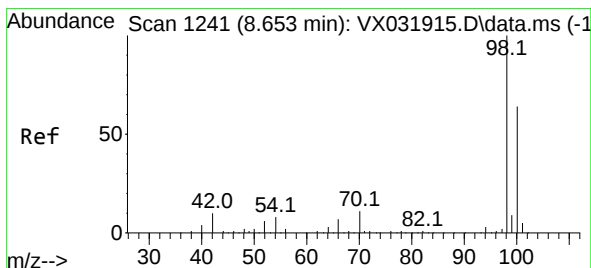
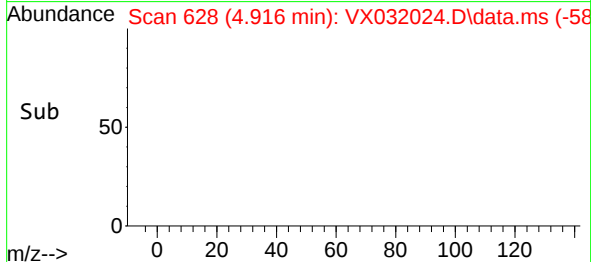
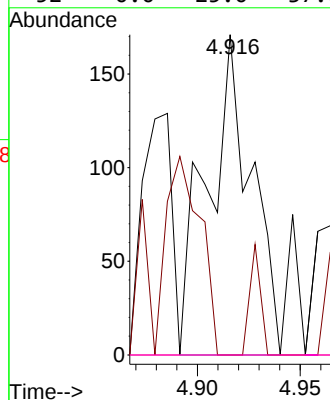
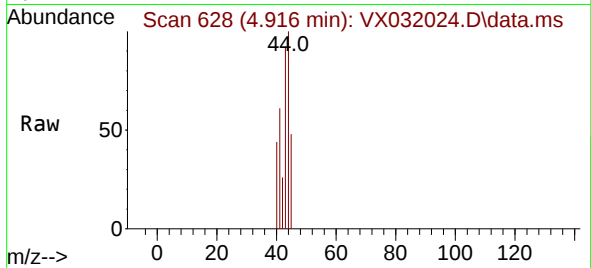




#41
Methacrylonitrile
Concen: 0.314 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

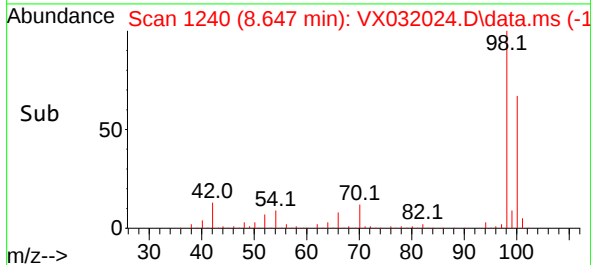
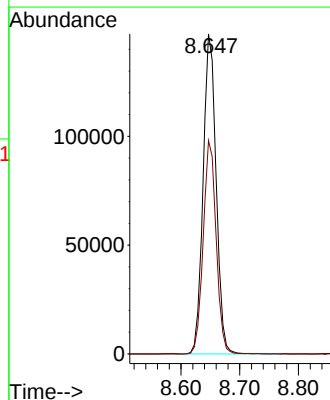
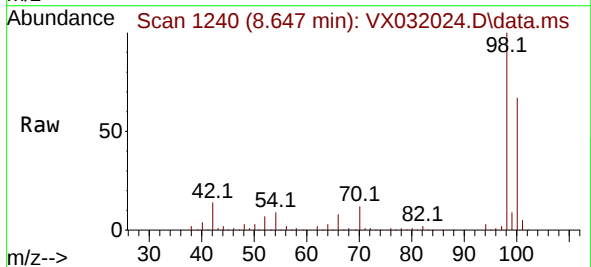
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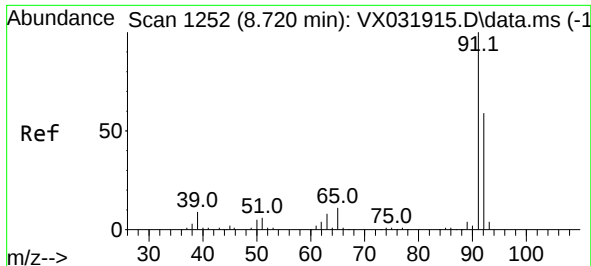
Tgt Ion: 41	Resp: 254
Ion Ratio	Lower Upper
41 100	
39 8.7	45.0 67.6#
67 0.0	58.2 87.4#
52 0.0	25.0 37.6#



#50
Toluene-d8
Concen: 50.530 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion: 98	Resp: 226649
Ion Ratio	Lower Upper
98 100	
100 66.4	52.5 78.7

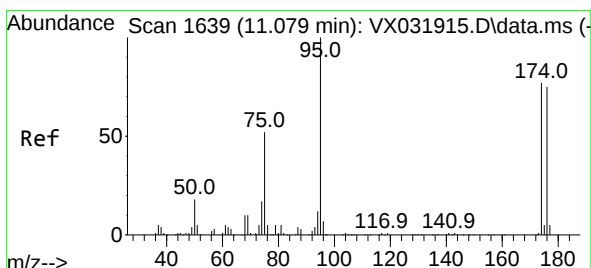
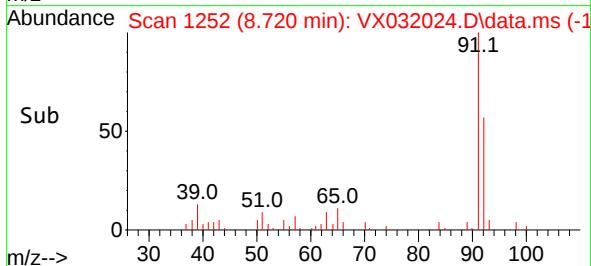
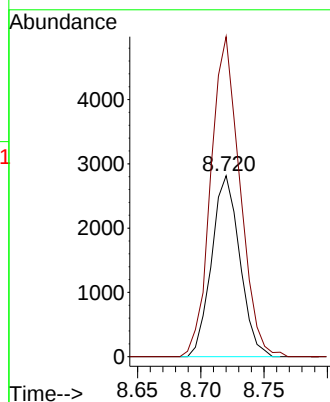
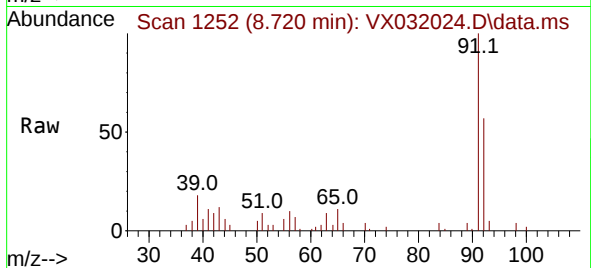




#52
Toluene
Concen: 1.377 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

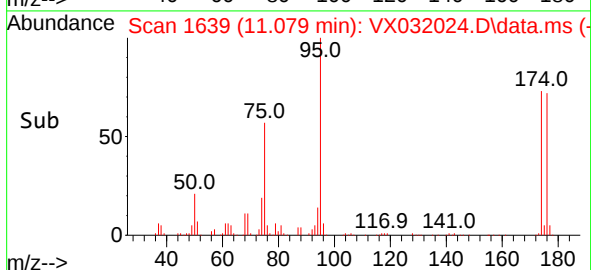
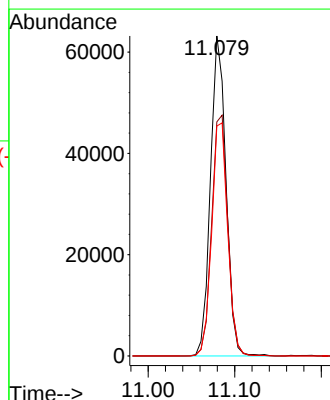
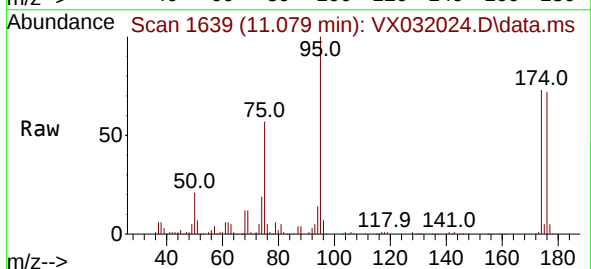
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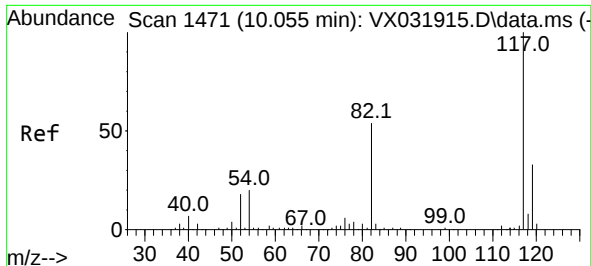
Tgt Ion: 92 Resp: 4359
Ion Ratio Lower Upper
92 100
91 183.0 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 49.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion: 95 Resp: 78676
Ion Ratio Lower Upper
95 100
174 78.3 0.0 153.2
176 75.2 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032024.D

Acq: 10 Oct 2022 19:46

Instrument :

MSVOA_X

ClientSampleId :

AUD-1678

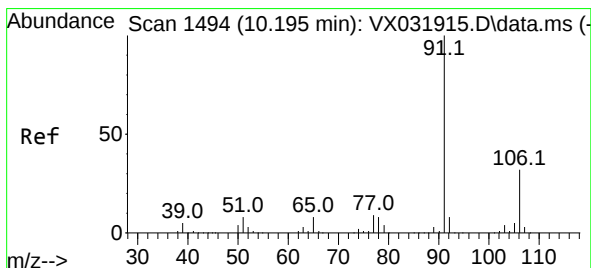
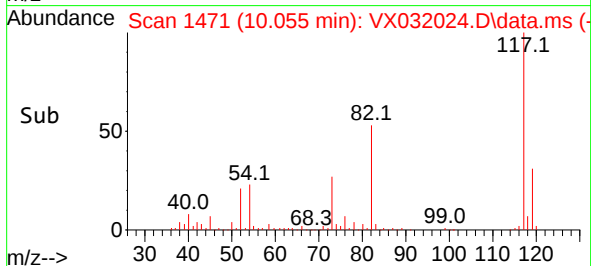
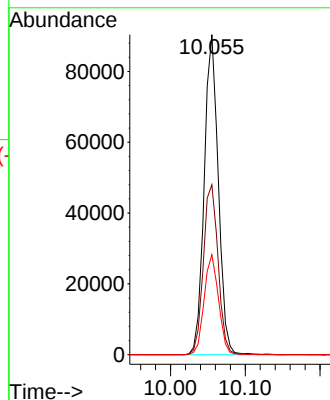
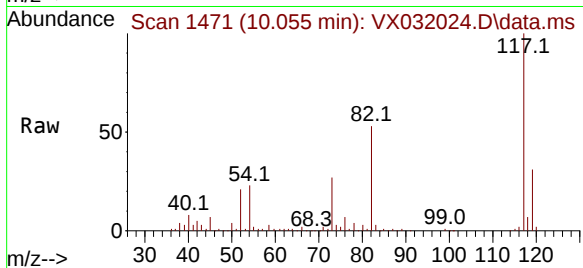
Tgt Ion:117 Resp: 118093

Ion Ratio Lower Upper

117 100

82 53.1 46.8 70.2

119 31.2 26.4 39.6



#67

Ethyl Benzene

Concen: 0.671 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX032024.D

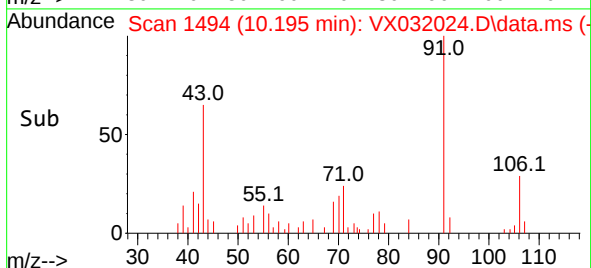
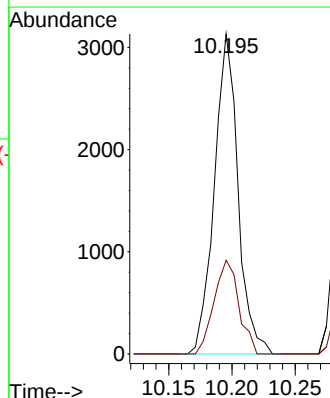
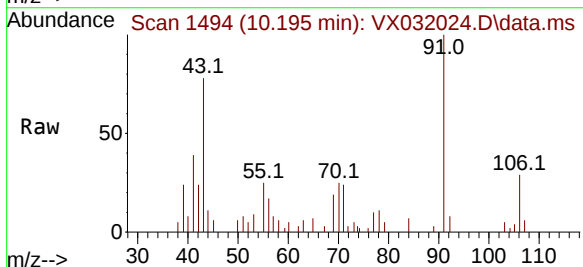
Acq: 10 Oct 2022 19:46

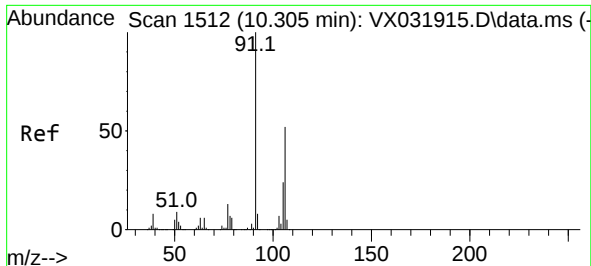
Tgt Ion: 91 Resp: 4063

Ion Ratio Lower Upper

91 100

106 29.2 25.2 37.8

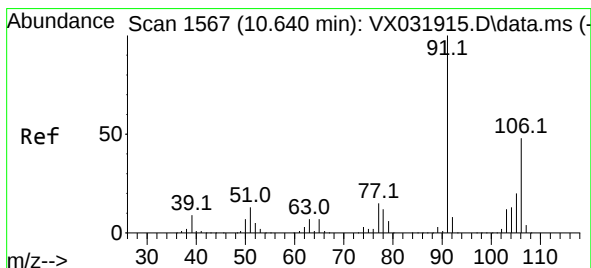
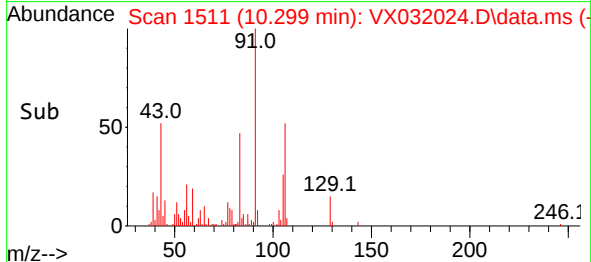
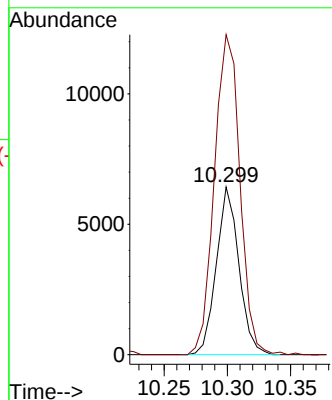
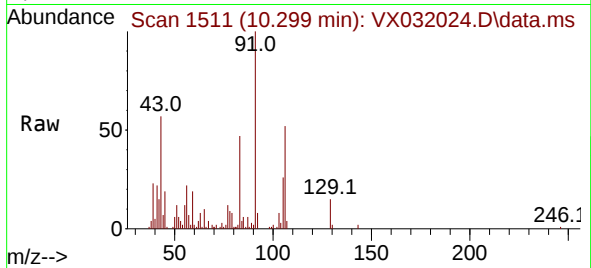




#68
m/p-Xylenes
Concen: 3.311 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

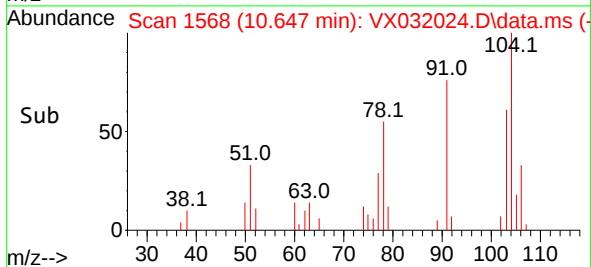
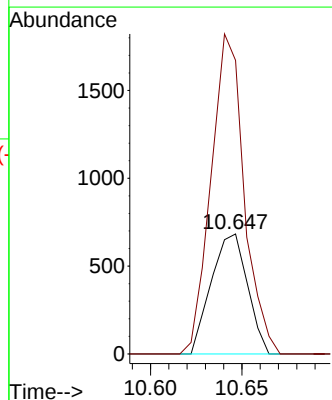
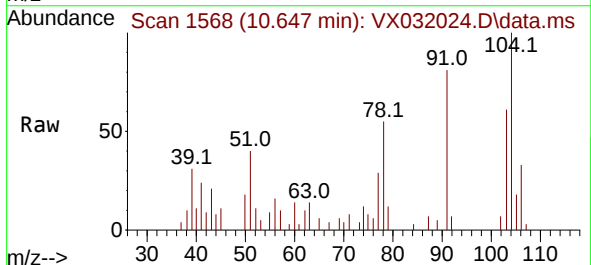
Instrument :
MSVOA_X
ClientSampleId :
AUD-1678

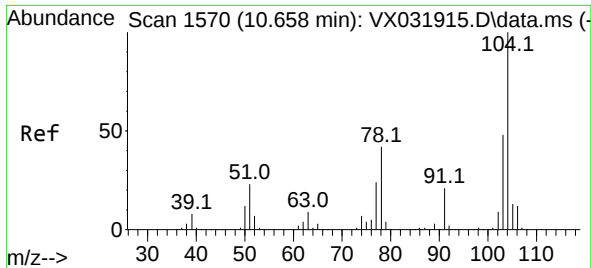
Tgt Ion:106 Resp: 7965
Ion Ratio Lower Upper
106 100
91 216.3 161.0 241.4



#69
o-Xylene
Concen: 0.403 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.007 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion:106 Resp: 942
Ion Ratio Lower Upper
106 100
91 244.4 107.2 321.6

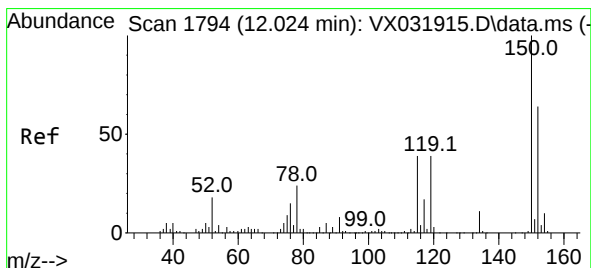
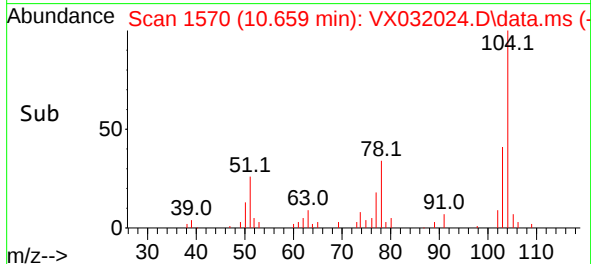
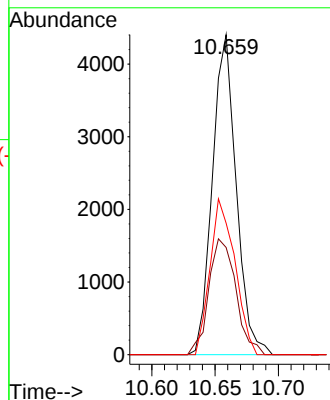
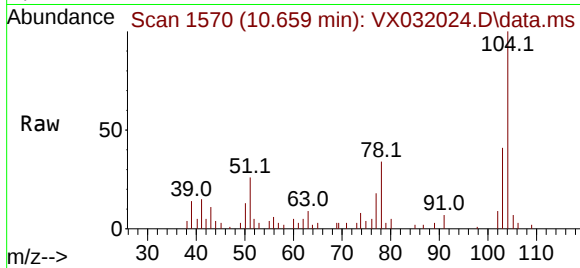




#70
Styrene
Concen: 1.542 ug/l
RT: 10.659 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

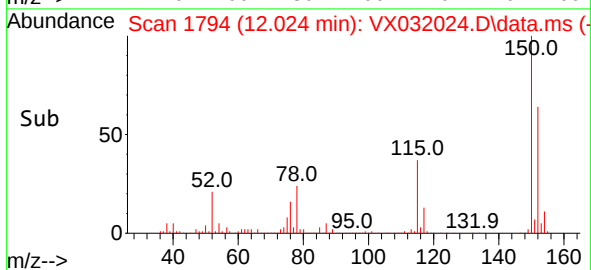
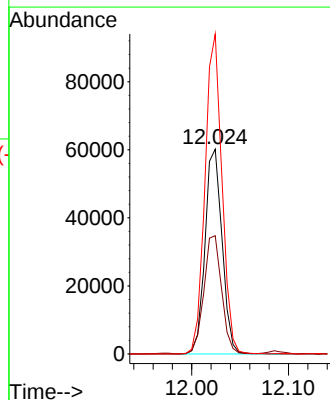
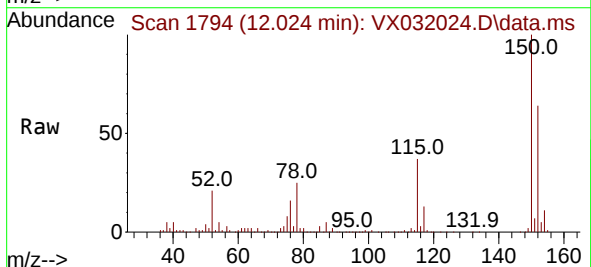
Instrument :
MSVOA_X
ClientSampleId :
AUD-1678

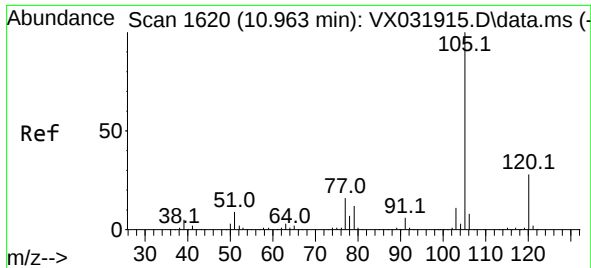
Tgt Ion:104 Resp: 5764
Ion Ratio Lower Upper
104 100
78 41.2 41.4 62.2#
103 51.0 43.8 65.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion:152 Resp: 74145
Ion Ratio Lower Upper
152 100
115 60.1 43.4 130.1
150 154.7 0.0 346.8

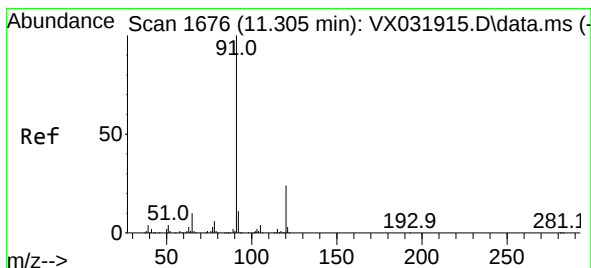
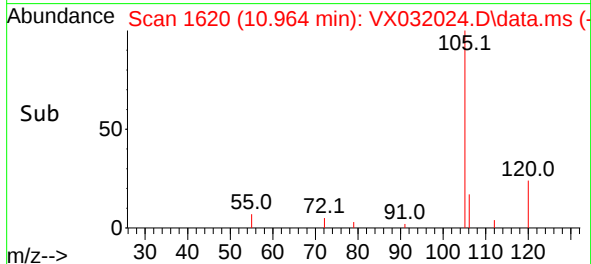
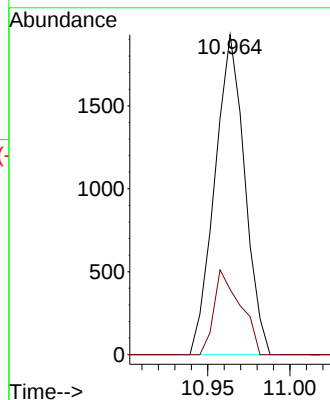
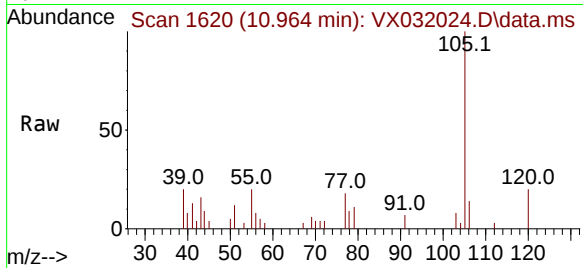




#73
Isopropylbenzene
Concen: 0.436 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

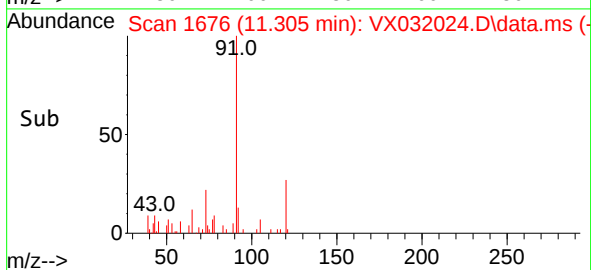
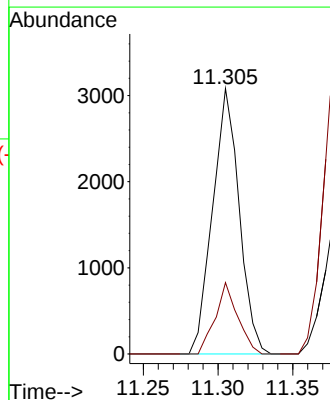
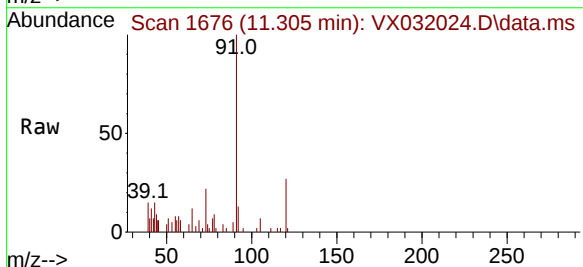
Instrument :
MSVOA_X
ClientSampleId :
AUD-1678

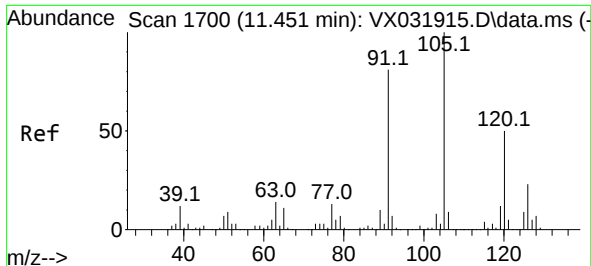
Tgt Ion:105 Resp: 2438
Ion Ratio Lower Upper
105 100
120 23.4 13.7 41.0



#78
n-propylbenzene
Concen: 0.599 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion: 91 Resp: 3811
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.4

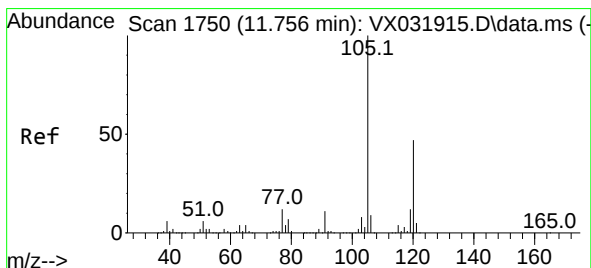
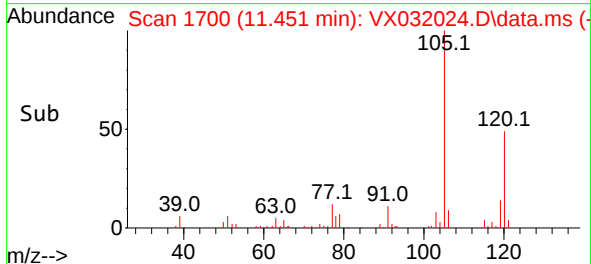
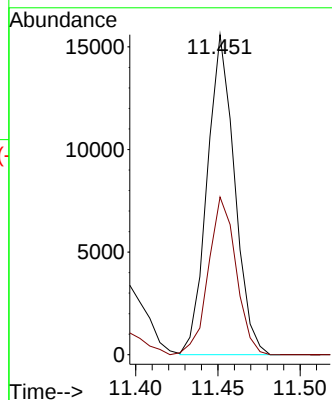
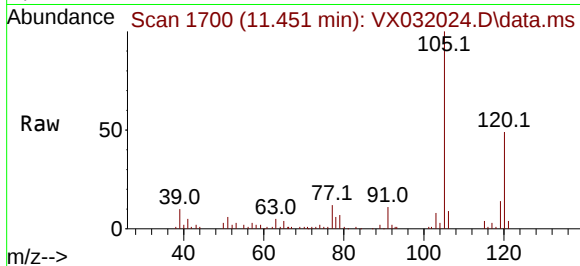




#80
1,3,5-Trimethylbenzene
Concen: 3.895 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

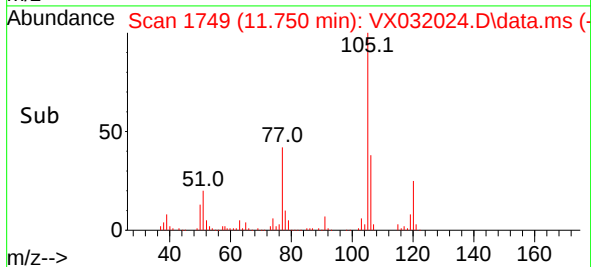
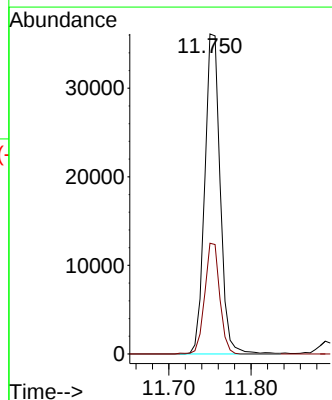
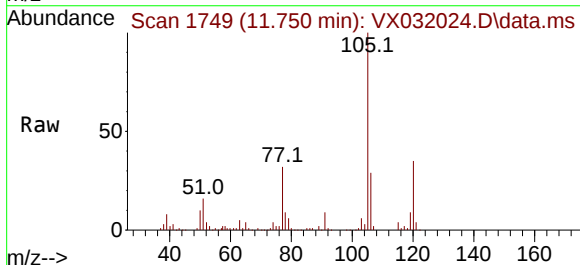
Instrument :
MSVOA_X
ClientSampleId :
AUD-1678

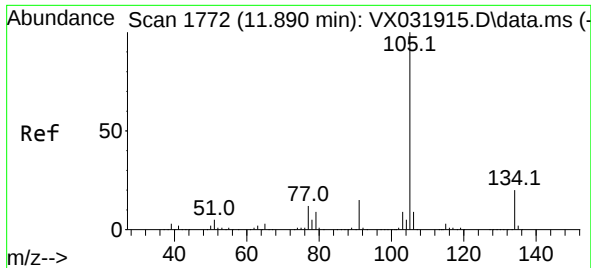
Tgt Ion:105 Resp: 18066
Ion Ratio Lower Upper
105 100
120 49.6 24.5 73.5



#84
1,2,4-Trimethylbenzene
Concen: 9.996 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX032024.D
Acq: 10 Oct 2022 19:46

Tgt Ion:105 Resp: 47099
Ion Ratio Lower Upper
105 100
120 33.6 22.6 67.8

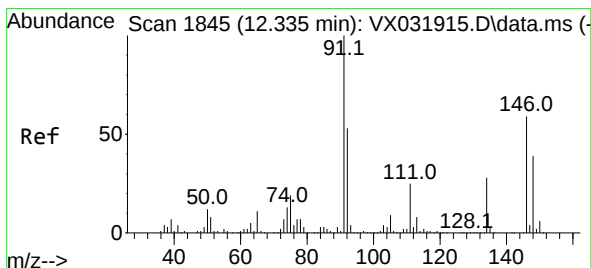
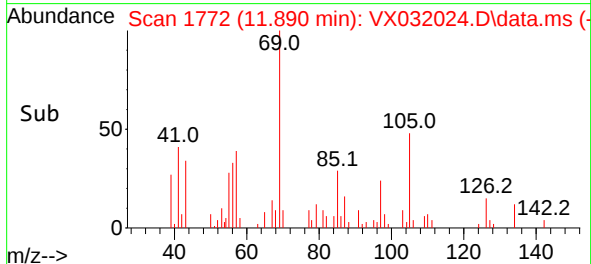
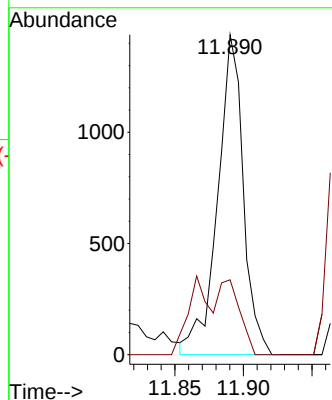
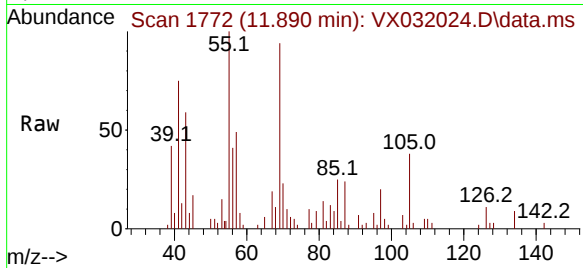




#85
 sec-Butylbenzene
 Concen: 0.329 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032024.D
 Acq: 10 Oct 2022 19:46

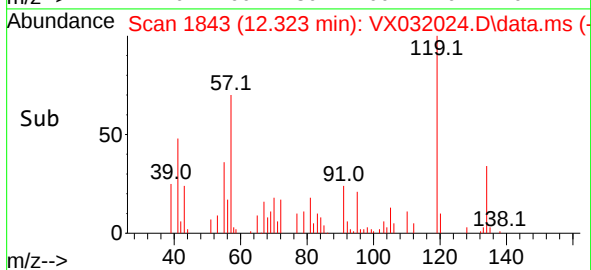
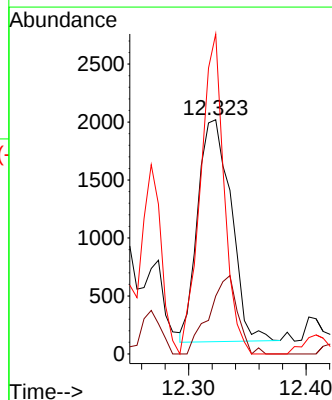
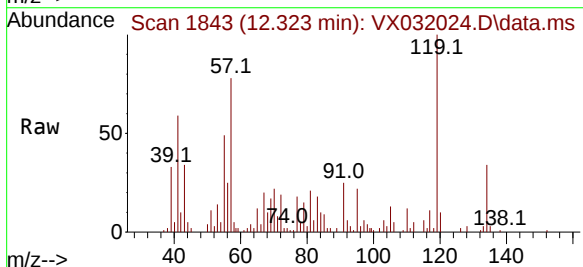
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1678

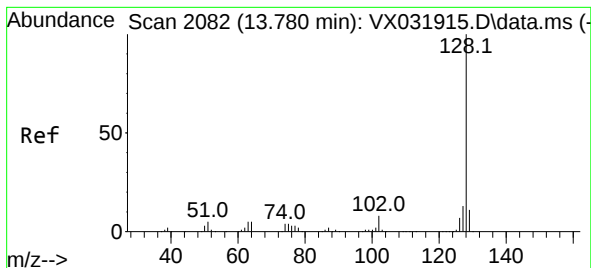
Tgt Ion:105 Resp: 1868
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.4 31.1



#89
 n-Butylbenzene
 Concen: 0.940 ug/l
 RT: 12.323 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: VX032024.D
 Acq: 10 Oct 2022 19:46

Tgt Ion: 91 Resp: 3765
 Ion Ratio Lower Upper
 91 100
 92 30.1 27.0 81.0
 134 102.7 13.3 39.9#





#95

Naphthalene

Concen: 7.460 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX032024.D

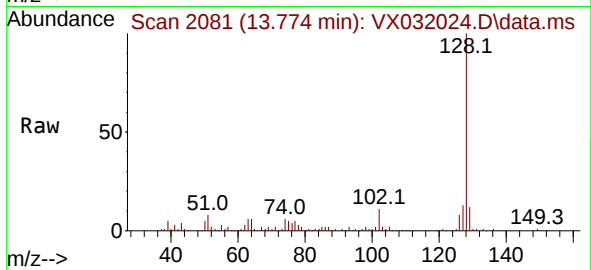
Acq: 10 Oct 2022 19:46

Instrument :

MSVOA_X

ClientSampleId :

AUD-1678



Tgt Ion:128 Resp: 40460

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.9 8.8 13.2

