

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039466.D
 Acq On : 26 Dec 2023 14:42
 Operator : JC/MD
 Sample : 06014-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1306

Quant Time: Dec 27 04:38:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

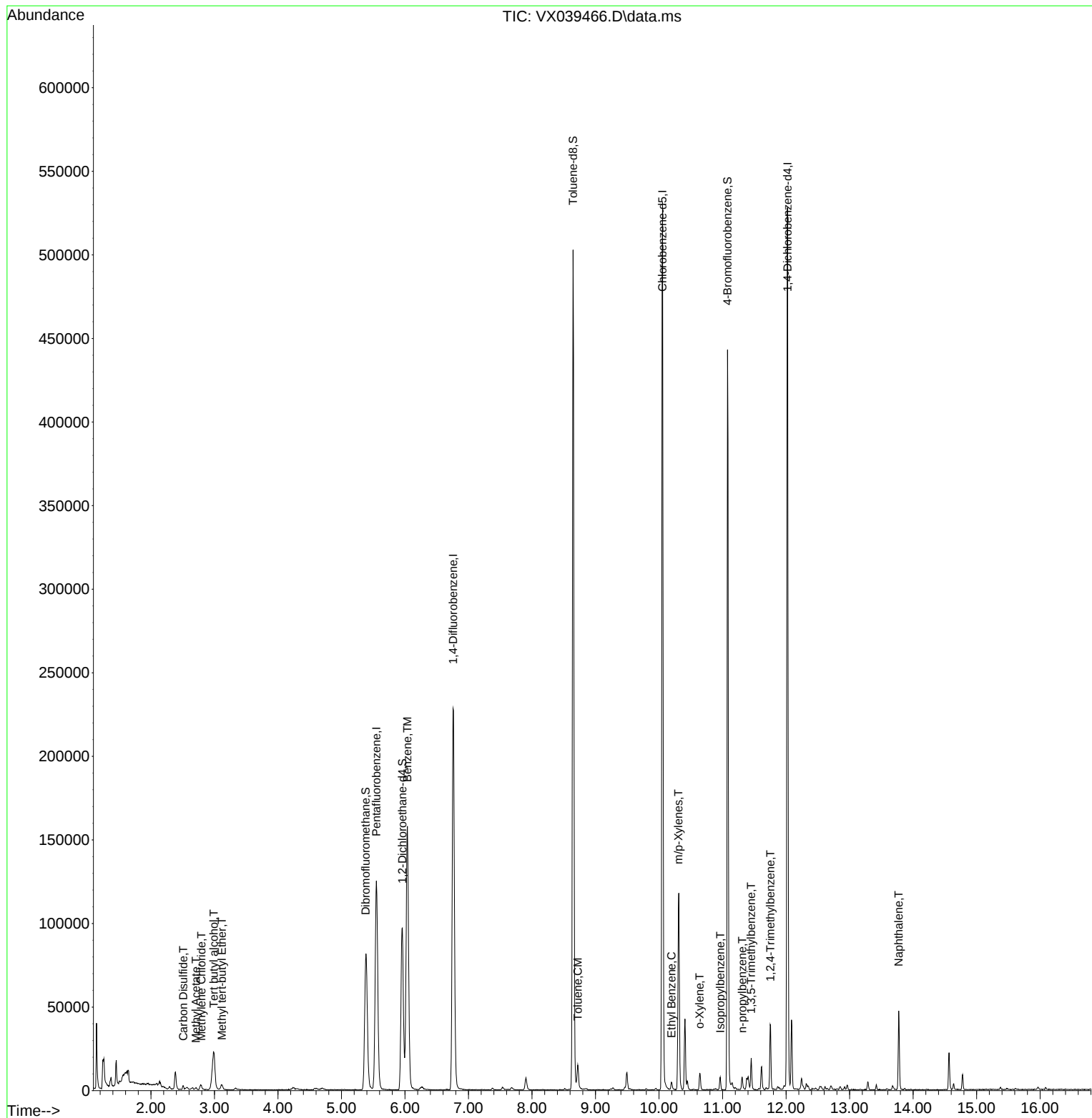
Internal Standards						
1) Pentafluorobenzene	5.550	168	107539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223619	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94819	48.131	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.260%		
35) Dibromofluoromethane	5.379	113	72934	47.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	8.647	98	286184	49.898	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.800%		
62) 4-Bromofluorobenzene	11.079	95	121165	51.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.400%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.989	59	36685	74.155	ug/l #	92
17) Carbon Disulfide	2.508	76	2608	0.644	ug/l #	93
18) Methyl Acetate	2.709	43	1477	0.347	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	2933	0.586	ug/l #	77
20) Methylene Chloride	2.794	84	1110	0.676	ug/l	92
40) Benzene	6.037	78	185593	26.913	ug/l	99
52) Toluene	8.720	92	5150	1.237	ug/l	96
67) Ethyl Benzene	10.195	91	3104	0.337	ug/l #	83
68) m/p-Xylenes	10.305	106	12511	3.791	ug/l	89
69) o-Xylene	10.640	106	2303	0.722	ug/l	95
73) Isopropylbenzene	10.963	105	3753	0.474	ug/l	98
78) n-propylbenzene	11.311	91	4813	0.494	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	7890	1.170	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	17907	2.590	ug/l	99
95) Naphthalene	13.774	128	27936	3.724	ug/l	99

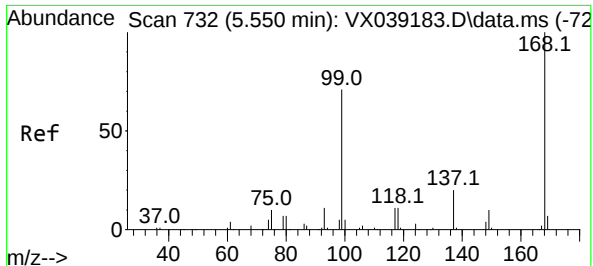
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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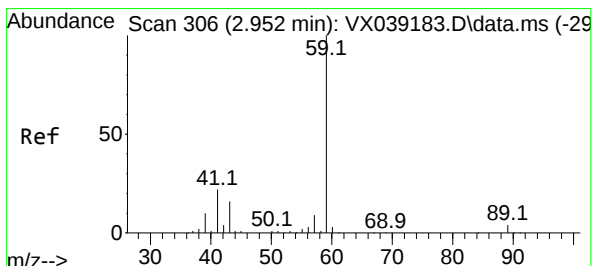
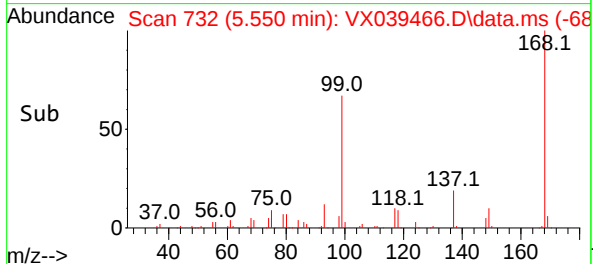
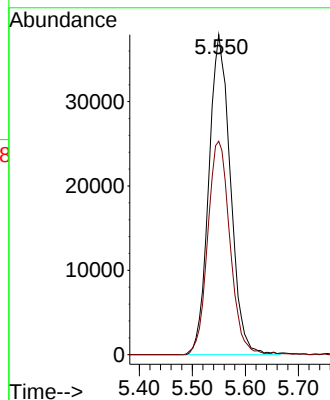
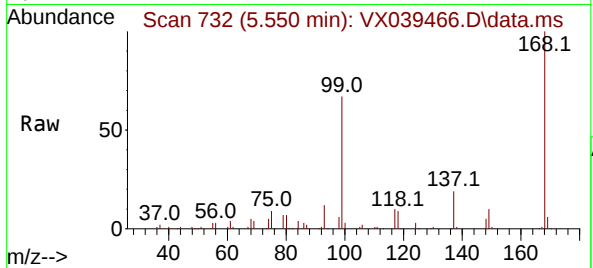




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

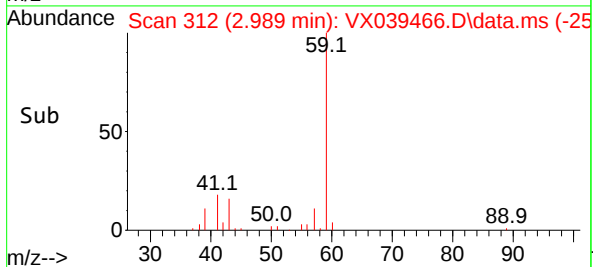
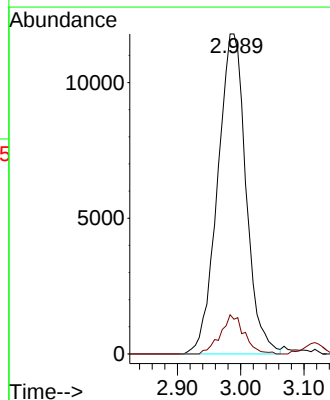
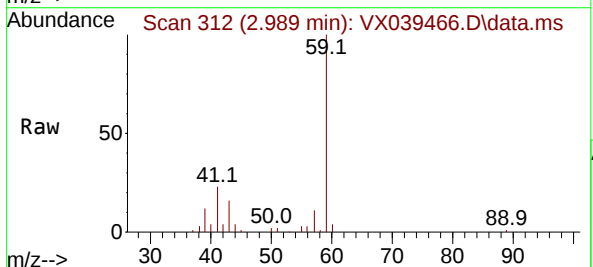
Instrument :
MSVOA_X
ClientSampleId :
AUD-1306

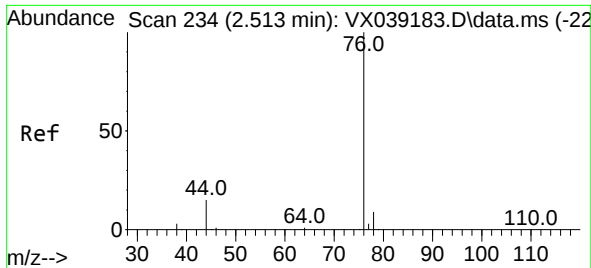
Tgt Ion:168 Resp: 107539
Ion Ratio Lower Upper
168 100
99 66.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 74.155 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.037 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

Tgt Ion: 59 Resp: 36685
Ion Ratio Lower Upper
59 100
57 10.3 6.0 9.0#





#17

Carbon Disulfide

Concen: 0.644 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

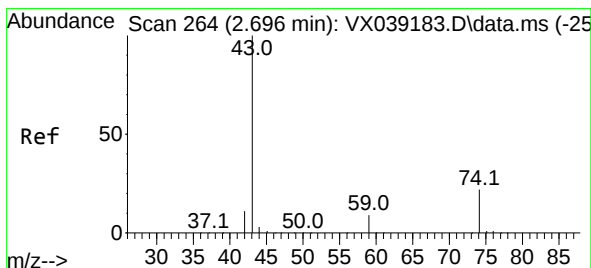
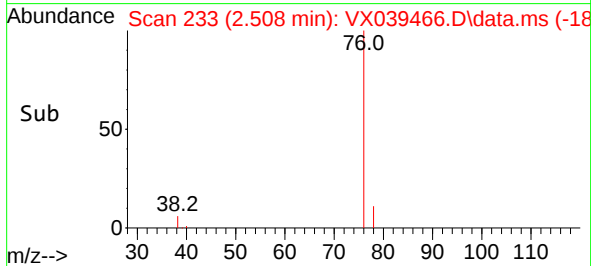
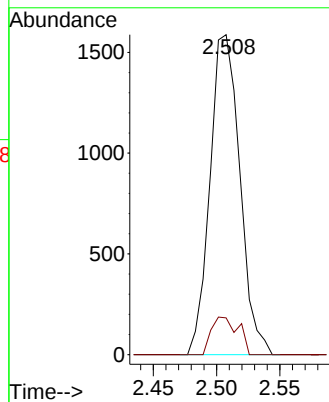
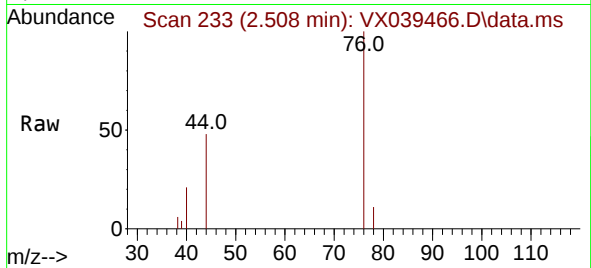
AUD-1306

Tgt Ion: 76 Resp: 2608

Ion Ratio Lower Upper

76 100

78 11.5 7.0 10.6#



#18

Methyl Acetate

Concen: 0.347 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.012 min

Lab File: VX039466.D

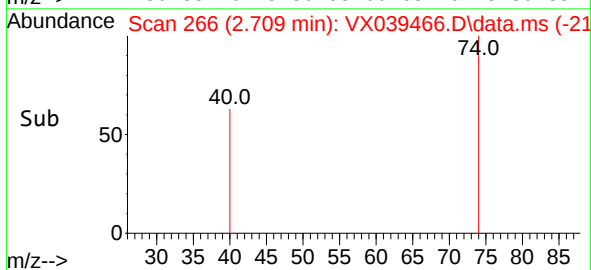
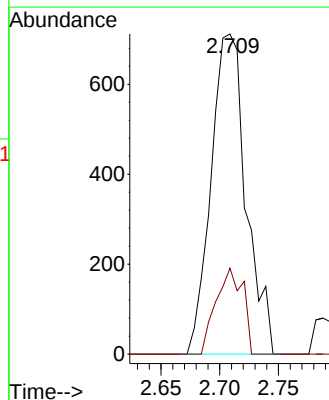
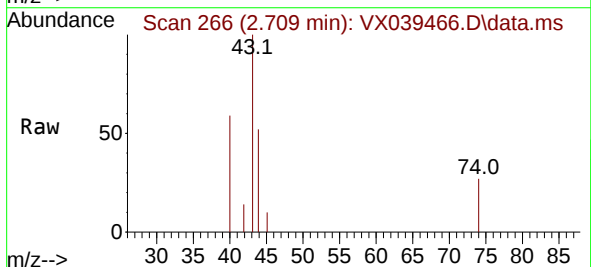
Acq: 26 Dec 2023 14:42

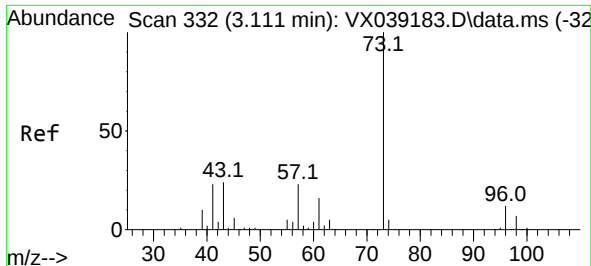
Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

74 20.6 17.8 26.8

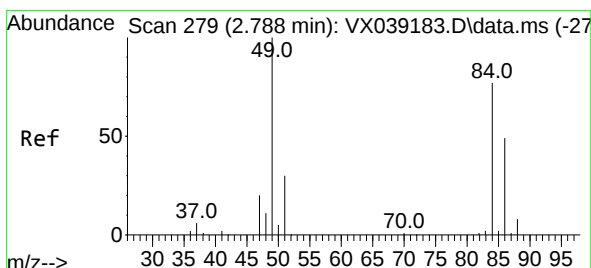
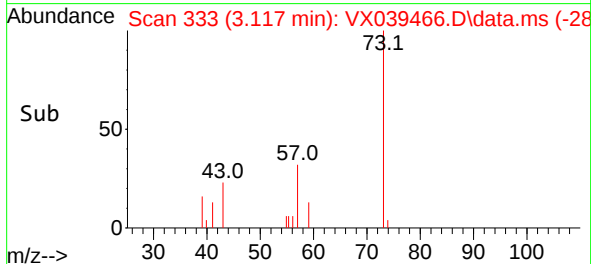
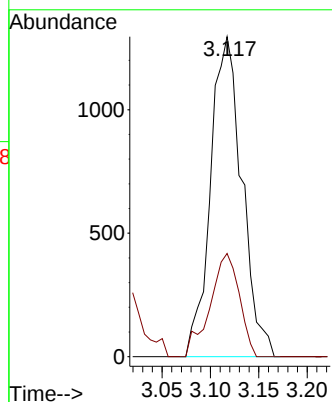
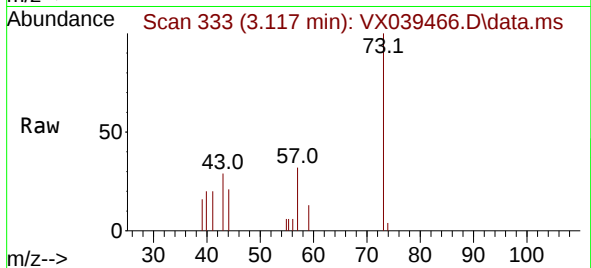




#19
Methyl tert-butyl Ether
Concen: 0.586 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

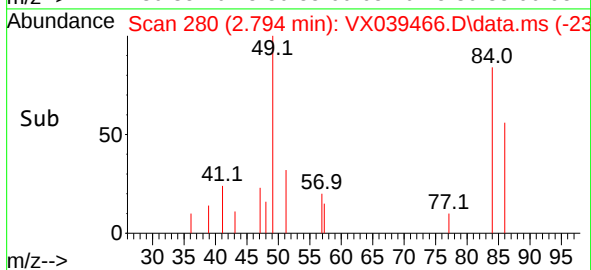
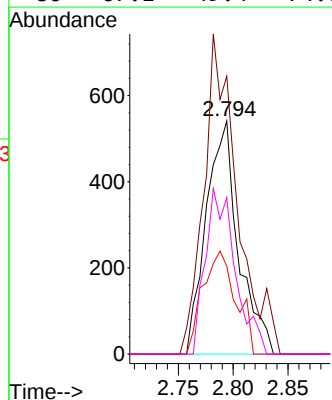
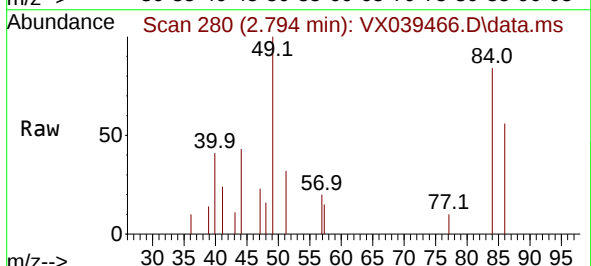
Instrument :
MSVOA_X
ClientSampleId :
AUD-1306

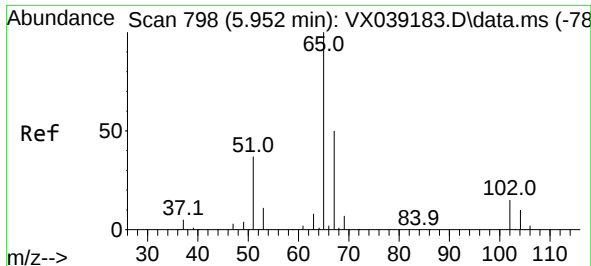
Tgt Ion: 73 Resp: 2933
Ion Ratio Lower Upper
73 100
57 32.3 17.3 25.9#



#20
Methylene Chloride
Concen: 0.676 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

Tgt Ion: 84 Resp: 1110
Ion Ratio Lower Upper
84 100
49 119.2 103.6 155.4
51 37.7 33.8 50.6
86 67.1 49.4 74.0





#33

1,2-Dichloroethane-d4

Concen: 48.131 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

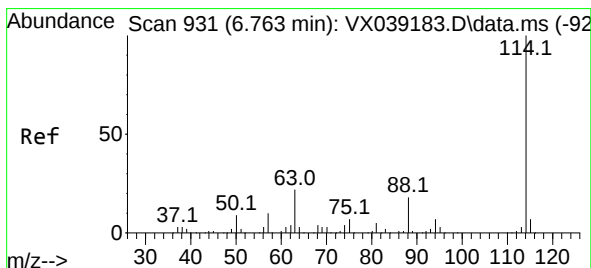
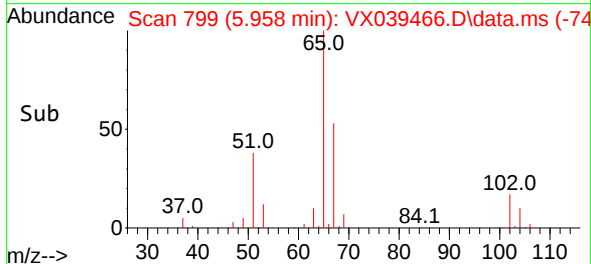
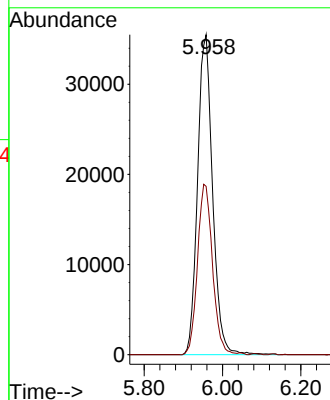
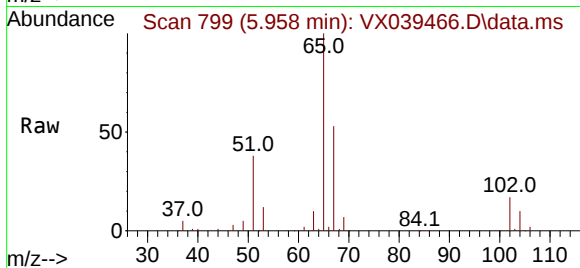
AUD-1306

Tgt Ion: 65 Resp: 94819

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

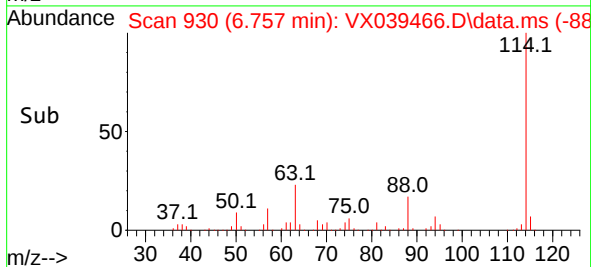
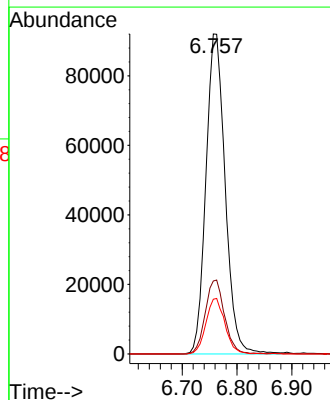
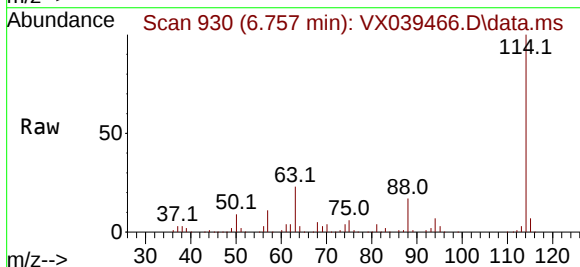
Tgt Ion: 114 Resp: 223619

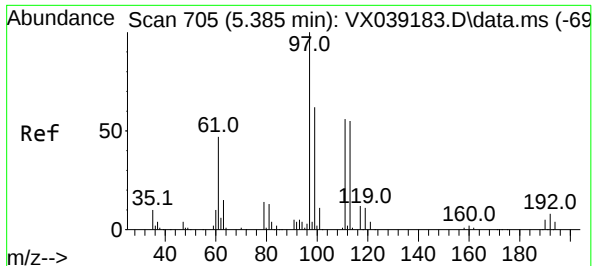
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

88 17.1 0.0 36.6

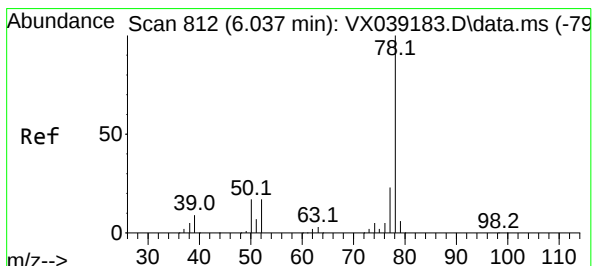
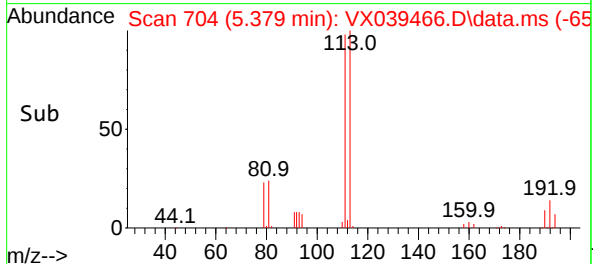
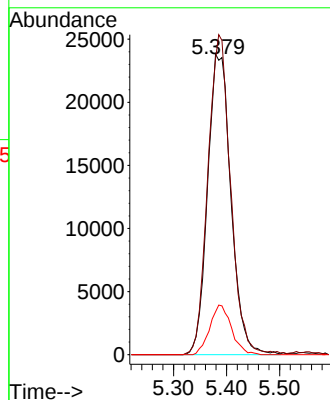
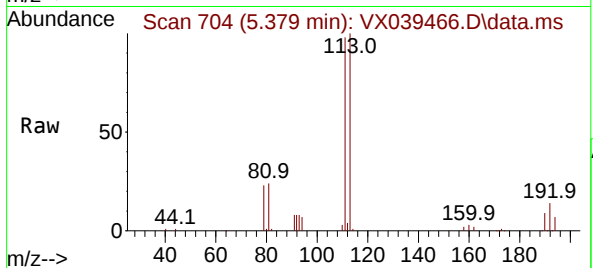




#35
Dibromofluoromethane
Concen: 47.211 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

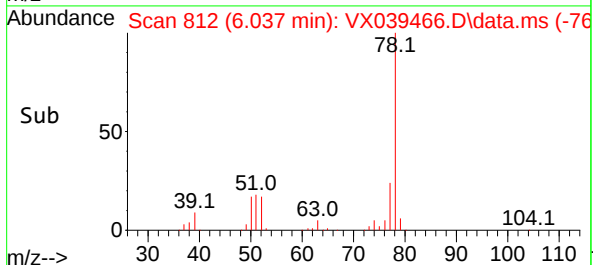
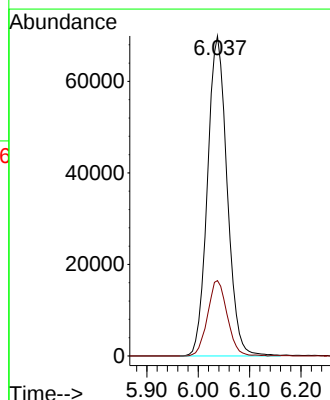
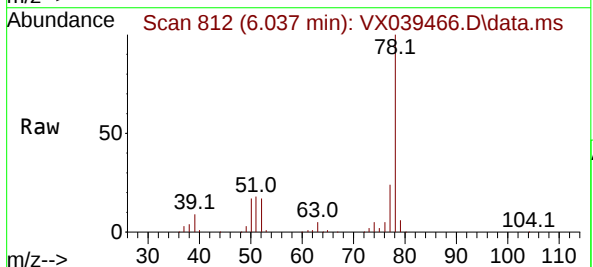
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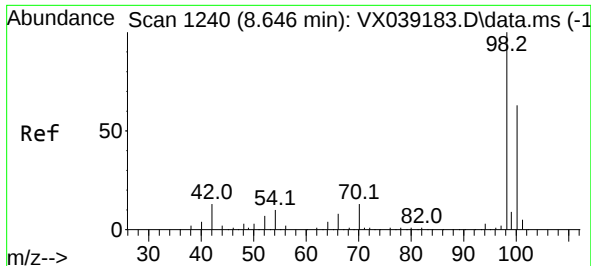
Tgt Ion:113 Resp: 72934
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 15.3 13.3 19.9



#40
Benzene
Concen: 26.913 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

Tgt Ion: 78 Resp: 185593
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9





#50

Toluene-d8

Concen: 49.898 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

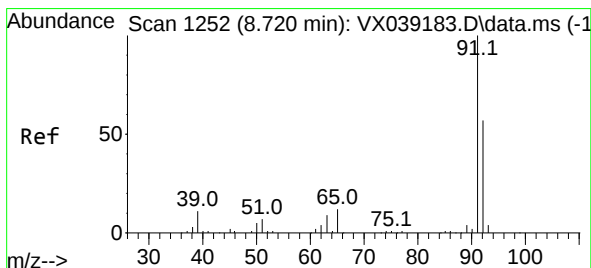
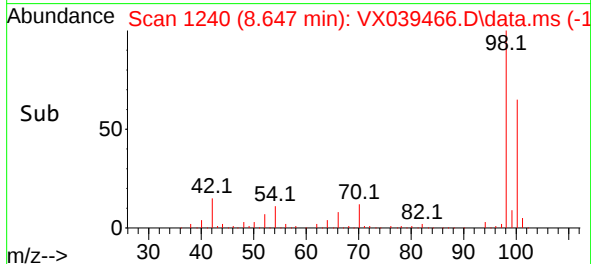
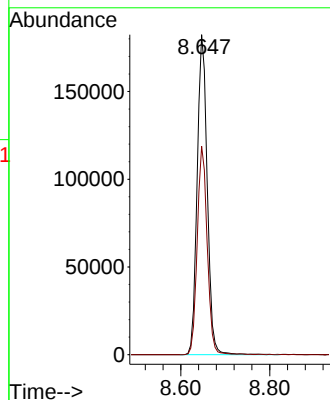
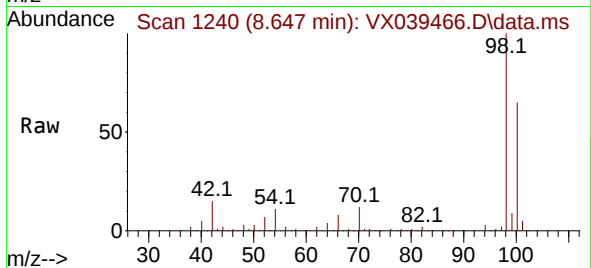
AUD-1306

Tgt Ion: 98 Resp: 286184

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7



#52

Toluene

Concen: 1.237 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX039466.D

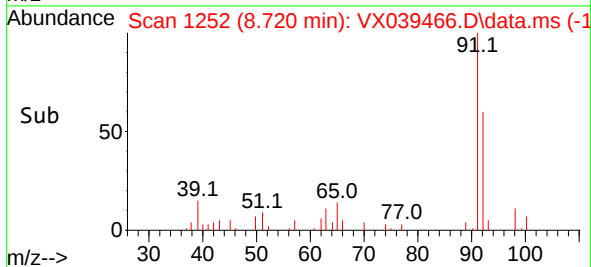
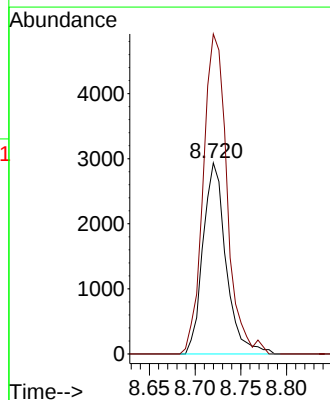
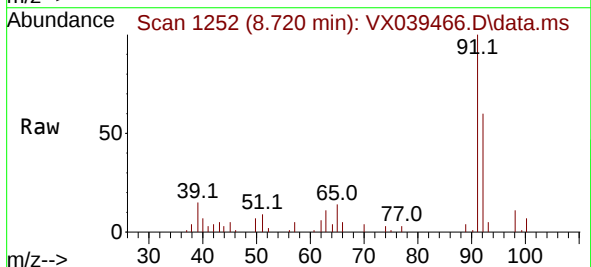
Acq: 26 Dec 2023 14:42

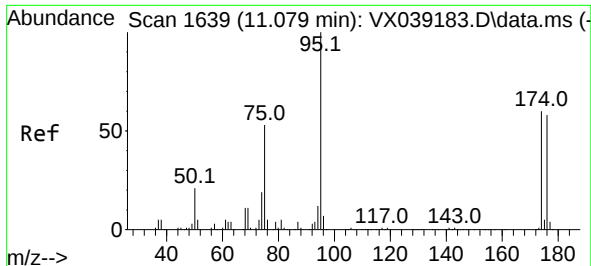
Tgt Ion: 92 Resp: 5150

Ion Ratio Lower Upper

92 100

91 173.1 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 51.202 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

AUD-1306

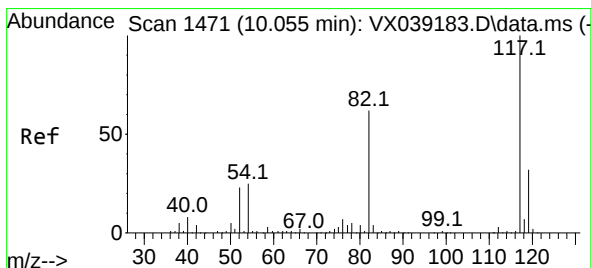
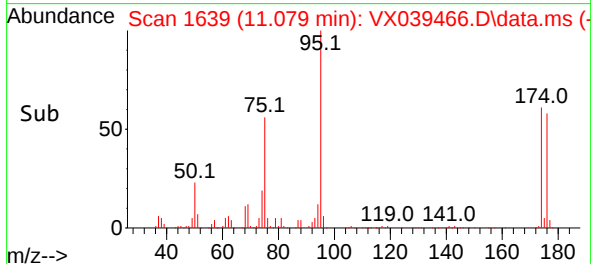
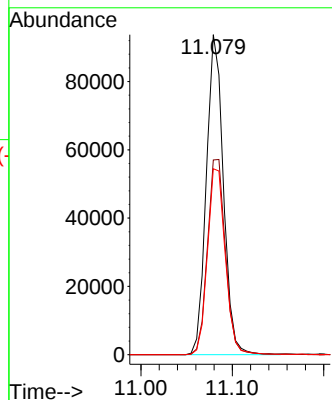
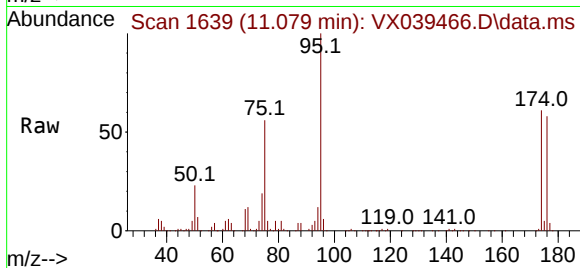
Tgt Ion: 95 Resp: 121165

Ion Ratio Lower Upper

95 100

174 64.3 0.0 135.6

176 61.1 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

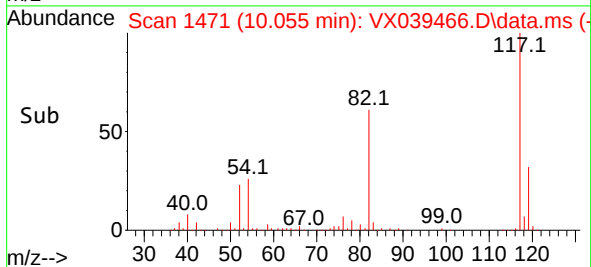
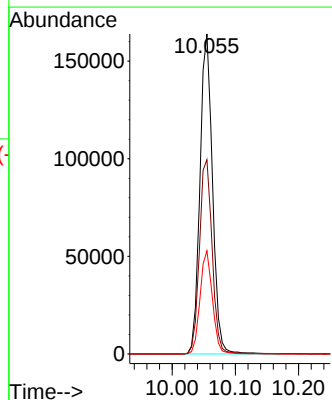
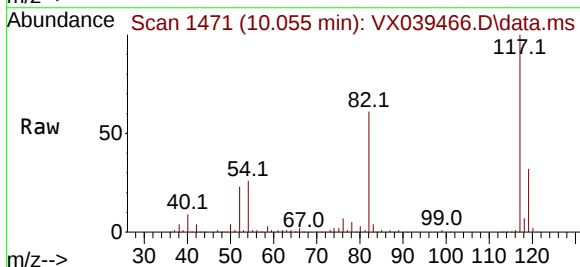
Tgt Ion: 117 Resp: 226554

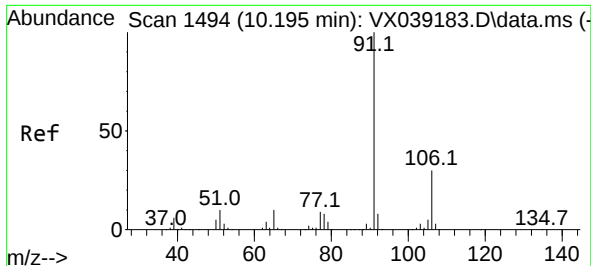
Ion Ratio Lower Upper

117 100

82 60.7 46.2 69.4

119 32.3 25.5 38.3





#67

Ethyl Benzene

Concen: 0.337 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

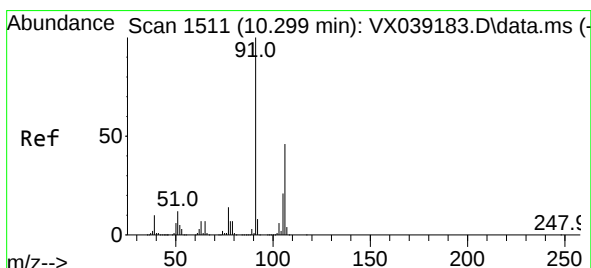
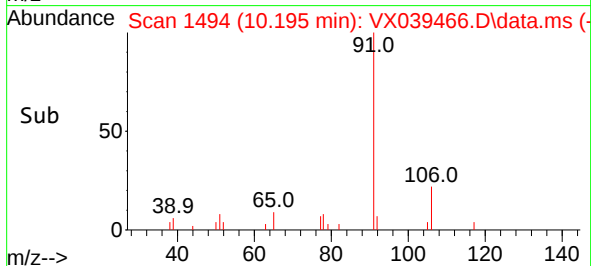
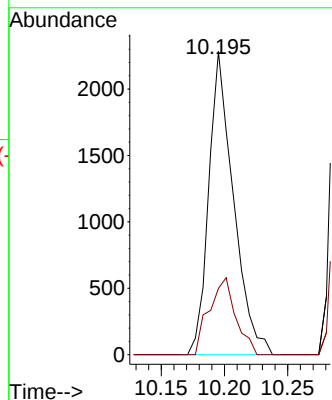
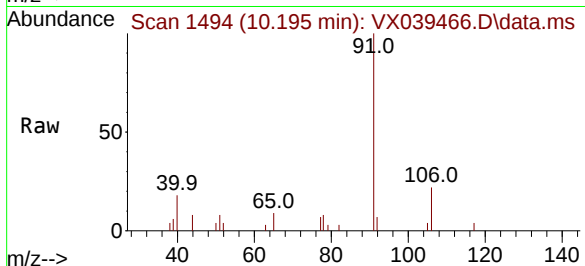
AUD-1306

Tgt Ion: 91 Resp: 3104

Ion Ratio Lower Upper

91 100

106 21.8 24.9 37.3#



#68

m/p-Xylenes

Concen: 3.791 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX039466.D

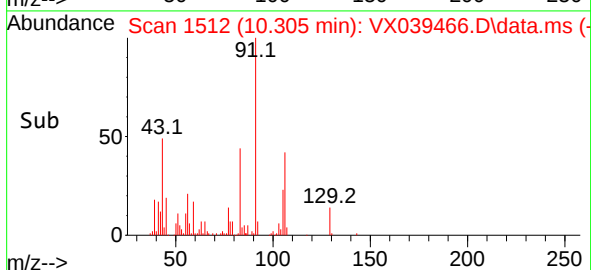
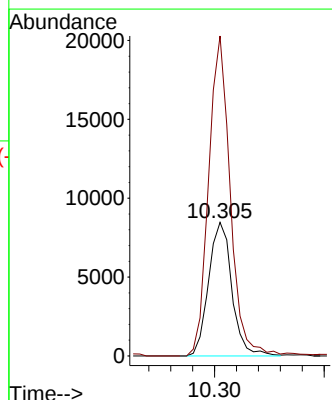
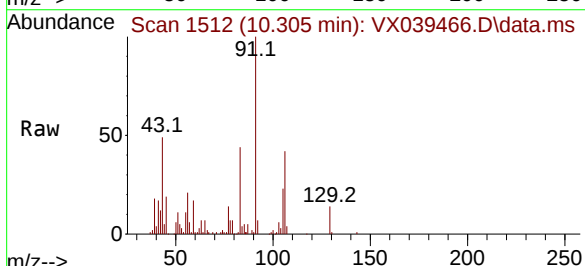
Acq: 26 Dec 2023 14:42

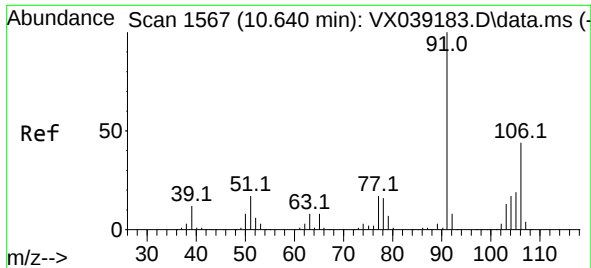
Tgt Ion: 106 Resp: 12511

Ion Ratio Lower Upper

106 100

91 223.2 165.5 248.3

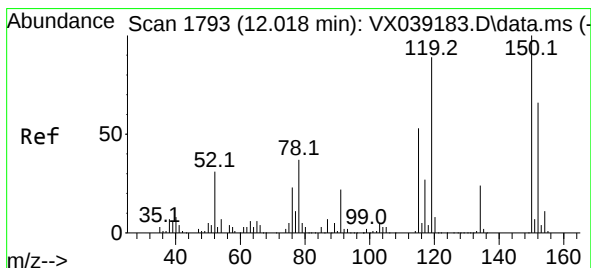
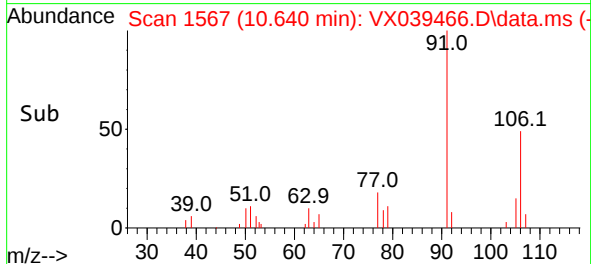
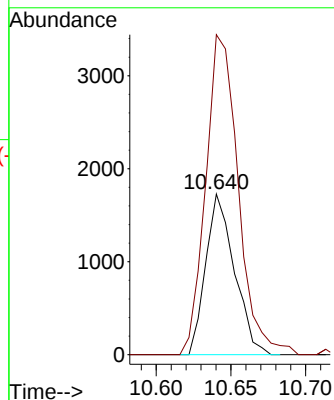
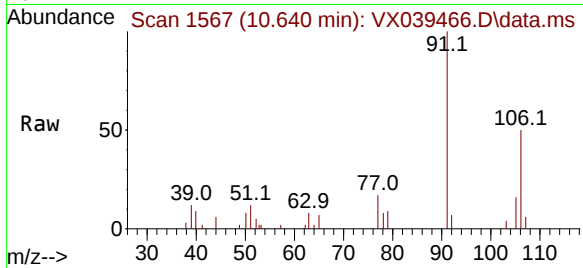




#69
o-Xylene
Concen: 0.722 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

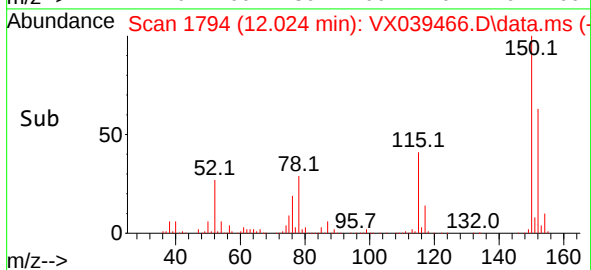
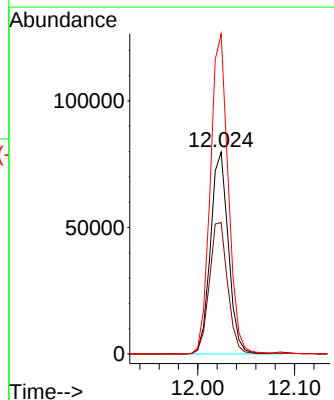
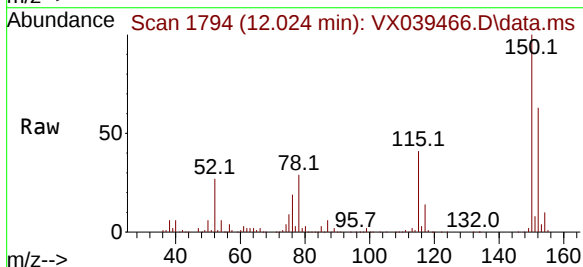
Instrument :
MSVOA_X
ClientSampleId :
AUD-1306

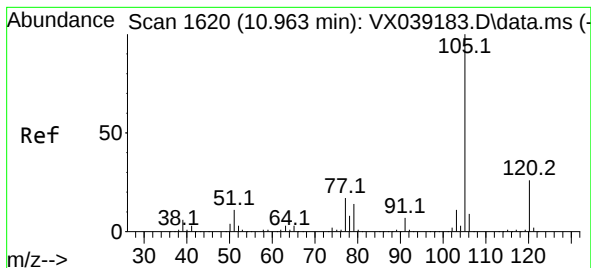
Tgt Ion:106 Resp: 2303
Ion Ratio Lower Upper
106 100
91 226.7 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

Tgt Ion:152 Resp: 102566
Ion Ratio Lower Upper
152 100
115 66.8 43.3 129.9
150 159.2 0.0 345.0





#73

Isopropylbenzene

Concen: 0.474 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX039466.D

Acq: 26 Dec 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

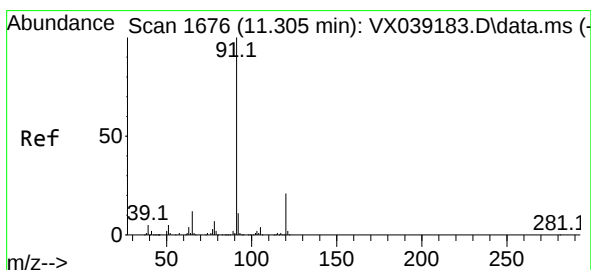
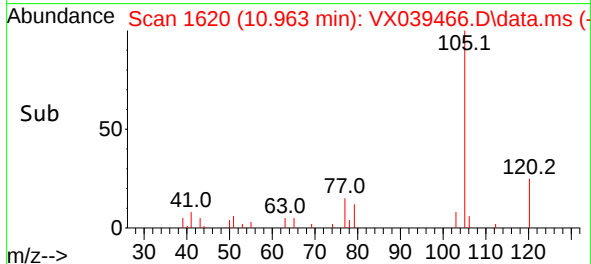
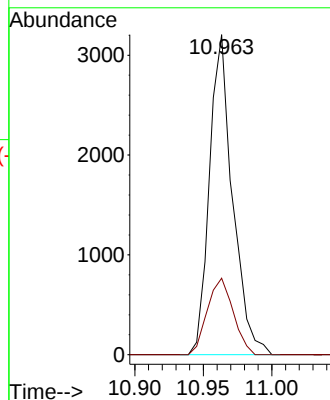
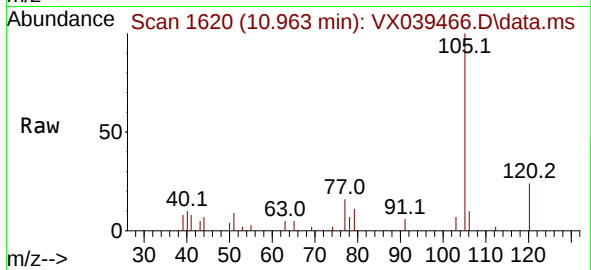
AUD-1306

Tgt Ion:105 Resp: 3753

Ion Ratio Lower Upper

105 100

120 26.8 12.9 38.6



#78

n-propylbenzene

Concen: 0.494 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX039466.D

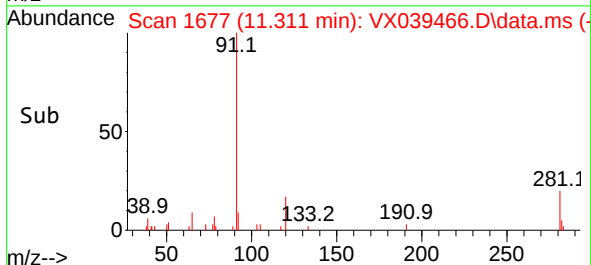
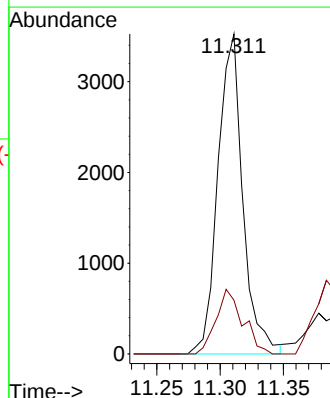
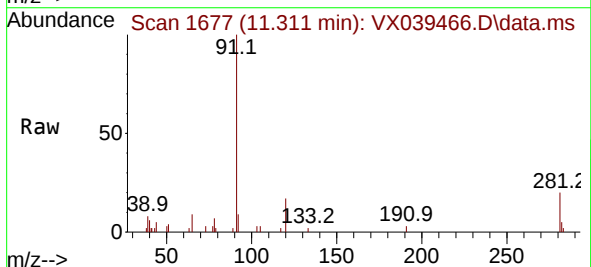
Acq: 26 Dec 2023 14:42

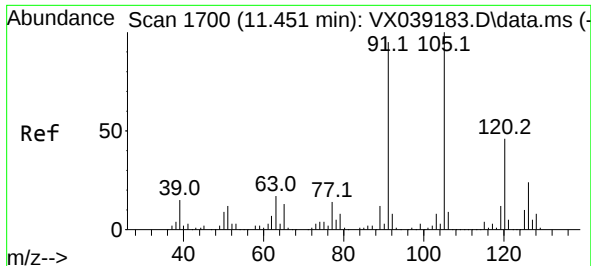
Tgt Ion: 91 Resp: 4813

Ion Ratio Lower Upper

91 100

120 21.8 11.5 34.4

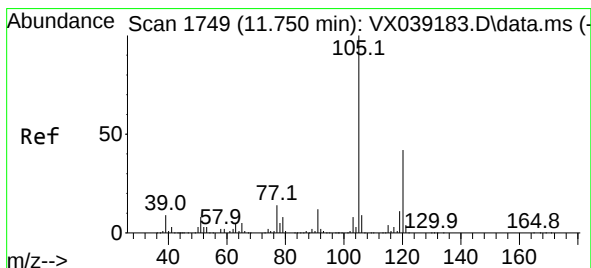
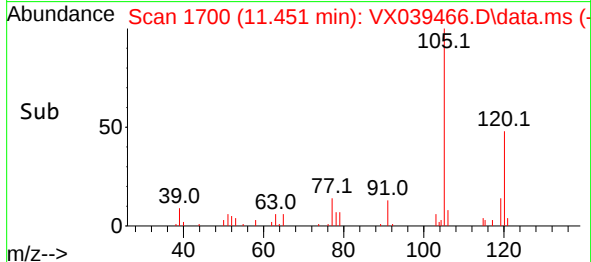
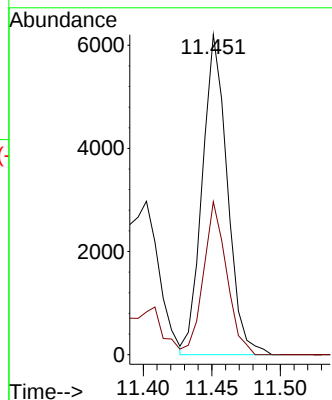
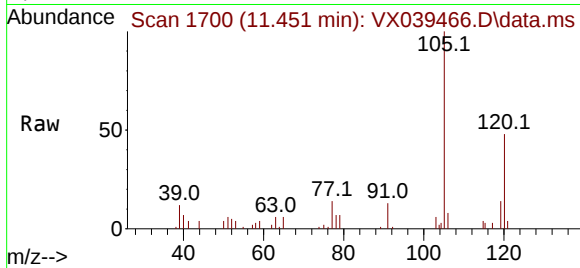




#80
1,3,5-Trimethylbenzene
Concen: 1.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

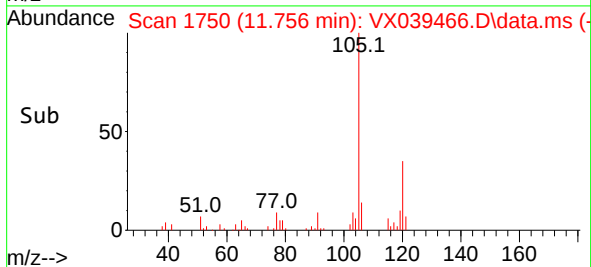
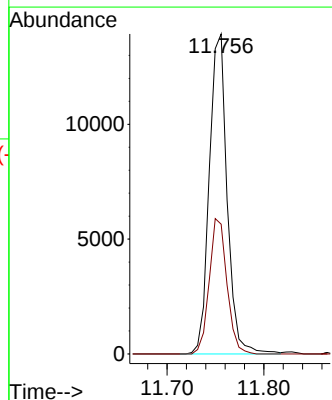
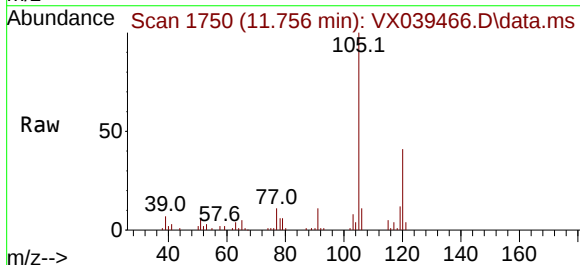
Instrument :
MSVOA_X
ClientSampleId :
AUD-1306

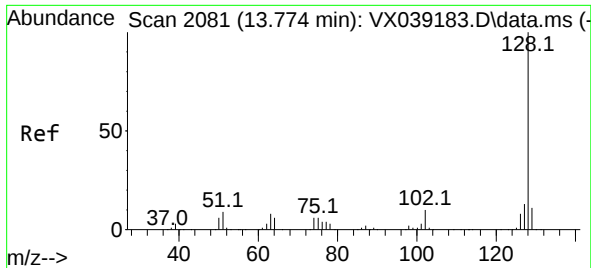
Tgt Ion:105 Resp: 7890
Ion Ratio Lower Upper
105 100
120 44.3 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 2.590 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039466.D
Acq: 26 Dec 2023 14:42

Tgt Ion:105 Resp: 17907
Ion Ratio Lower Upper
105 100
120 41.9 21.2 63.6





#95

Naphthalene

Concen: 3.724 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX039466.D

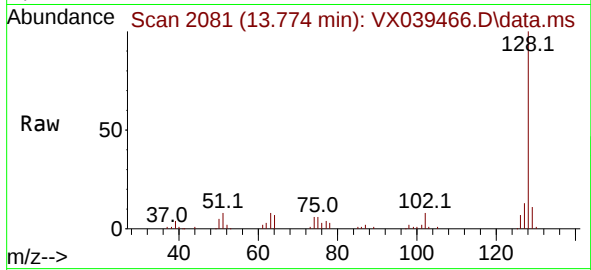
Acq: 26 Dec 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

AUD-1306



Tgt Ion:128 Resp: 27936

Ion	Ratio	Lower	Upper
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128	100		
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127	12.2	10.3	15.5
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129	10.8	8.8	13.2
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