

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039467.D
 Acq On : 26 Dec 2023 15:04
 Operator : JC/MD
 Sample : 06014-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1307

Quant Time: Dec 27 04:39:07 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	5.556	168	105946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223935	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104128	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95178	49.039	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.080%
35) Dibromofluoromethane	5.385	113	72856	47.094	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.180%
50) Toluene-d8	8.647	98	285208	49.658	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.320%
62) 4-Bromofluorobenzene	11.079	95	119329	50.355	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.720%

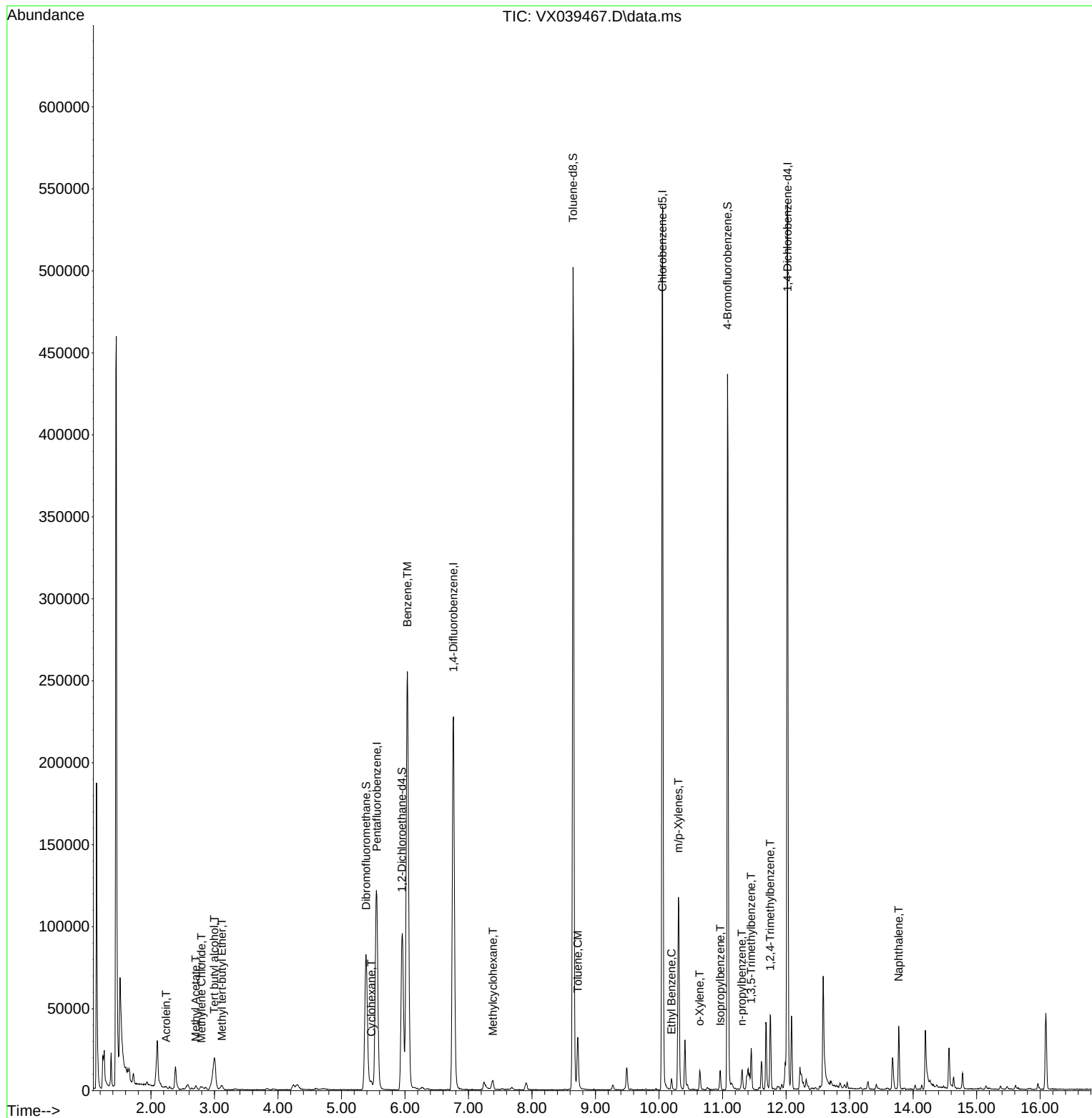
Target Compounds				Qvalue		
11) Tert butyl alcohol	2.995	59	34732	71.263	ug/l #	93
13) Acrolein	2.239	56	896	2.304	ug/l	95
18) Methyl Acetate	2.703	43	3206	0.764	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1933	0.392	ug/l #	80
20) Methylene Chloride	2.794	84	708	0.438	ug/l	93
31) Cyclohexane	5.470	56	3386	1.351	ug/l #	86
39) Methylcyclohexane	7.385	83	2379	0.811	ug/l	98
40) Benzene	6.037	78	302179	43.757	ug/l	99
52) Toluene	8.720	92	12133	2.911	ug/l	95
67) Ethyl Benzene	10.195	91	4078	0.453	ug/l	95
68) m/p-Xylenes	10.305	106	18458	5.715	ug/l	91
69) o-Xylene	10.640	106	2660	0.852	ug/l	97
73) Isopropylbenzene	10.963	105	5633	0.701	ug/l	99
78) n-propylbenzene	11.305	91	7049	0.712	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	10237	1.496	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	21047	2.999	ug/l	99
95) Naphthalene	13.774	128	22339	2.933	ug/l	99

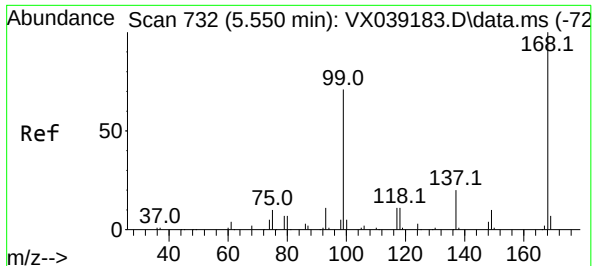
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
Data File : VX039467.D
Acq On : 26 Dec 2023 15:04
Operator : JC/MD
Sample : 06014-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
AUD-1307

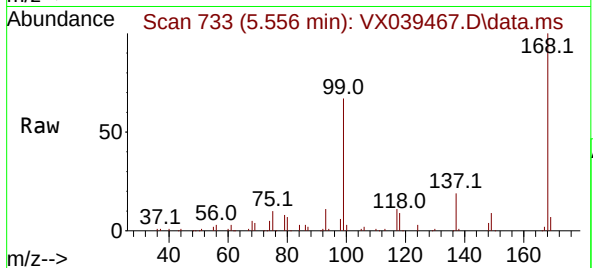
Quant Time: Dec 27 04:39:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration



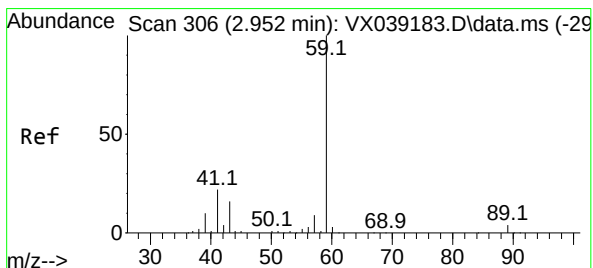
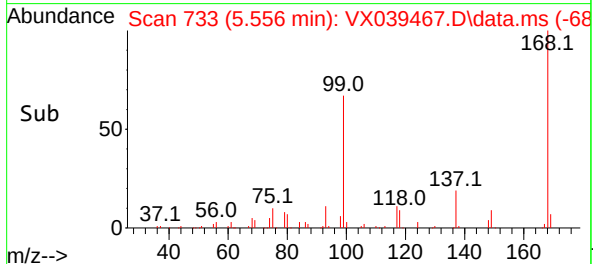
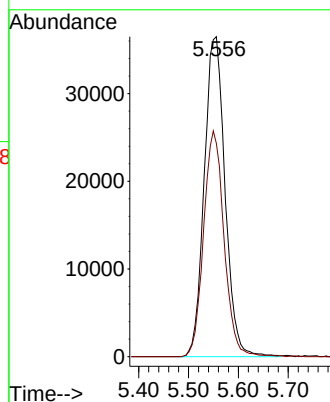


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VX039467.D
 Acq: 26 Dec 2023 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1307

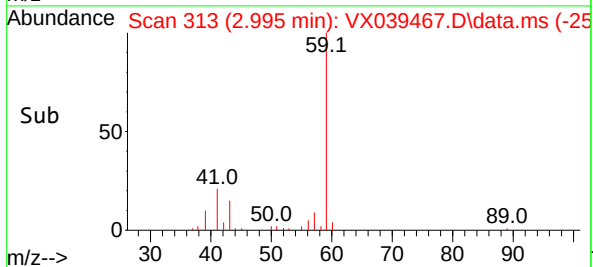
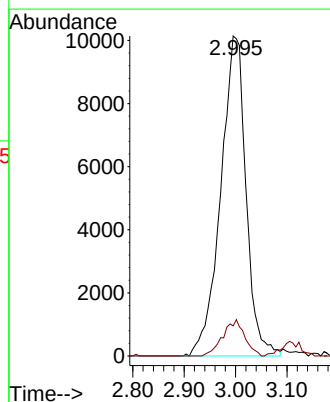
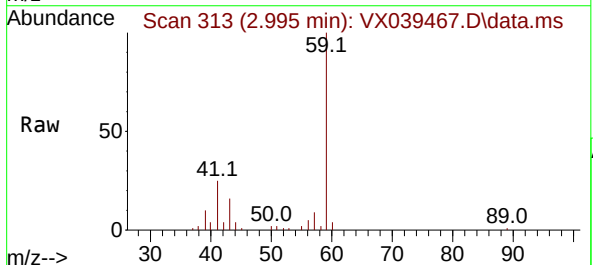


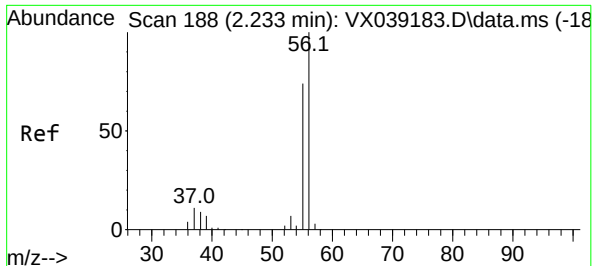
Tgt Ion:168 Resp: 105946
 Ion Ratio Lower Upper
 168 100
 99 66.6 56.6 85.0



#11
 Tert butyl alcohol
 Concen: 71.263 ug/l
 RT: 2.995 min Scan# 313
 Delta R.T. 0.043 min
 Lab File: VX039467.D
 Acq: 26 Dec 2023 15:04

Tgt Ion: 59 Resp: 34732
 Ion Ratio Lower Upper
 59 100
 57 9.8 6.0 9.0#





#13

Acrolein

Concen: 2.304 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

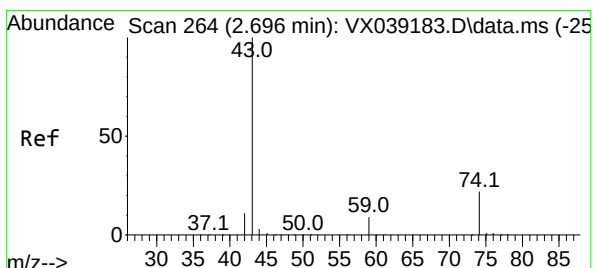
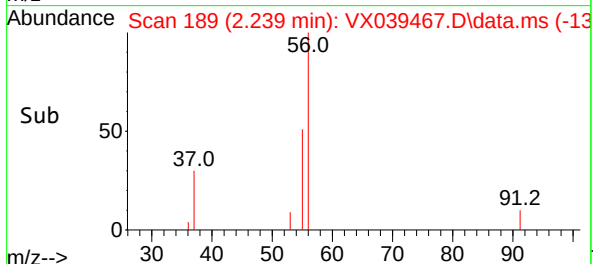
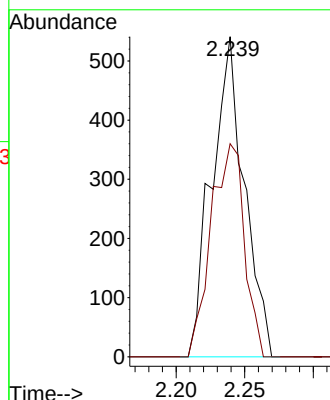
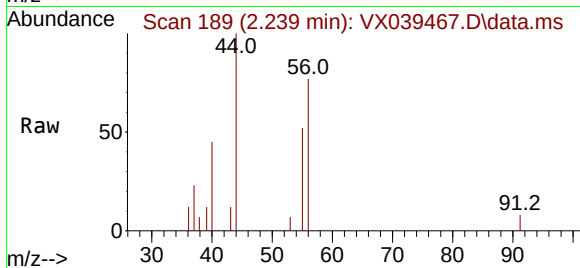
AUD-1307

Tgt Ion: 56 Resp: 896

Ion Ratio Lower Upper

56 100

55 67.6 57.1 85.7



#18

Methyl Acetate

Concen: 0.764 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX039467.D

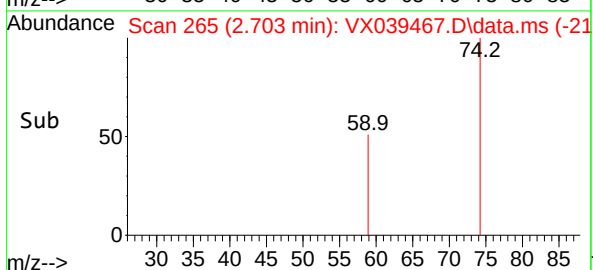
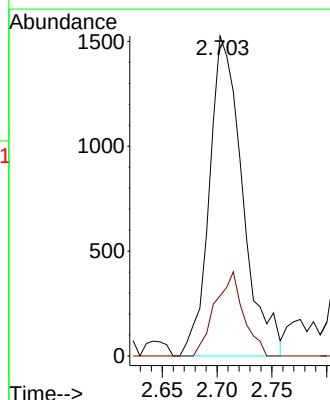
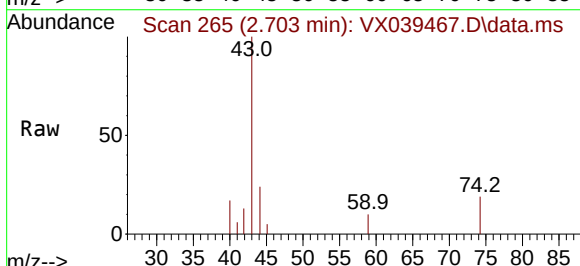
Acq: 26 Dec 2023 15:04

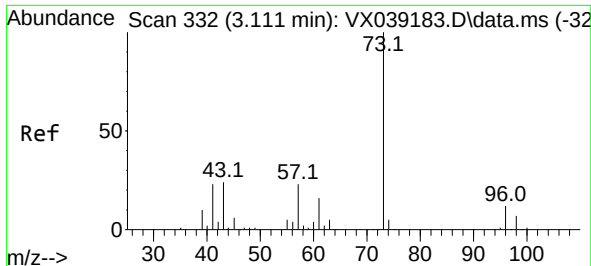
Tgt Ion: 43 Resp: 3206

Ion Ratio Lower Upper

43 100

74 22.6 17.8 26.8

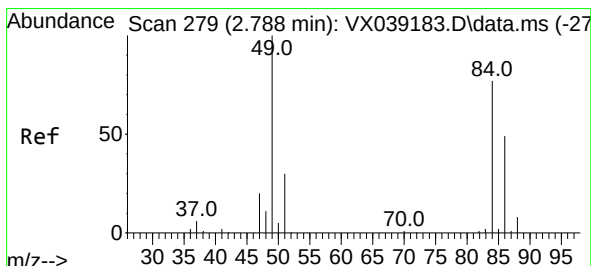
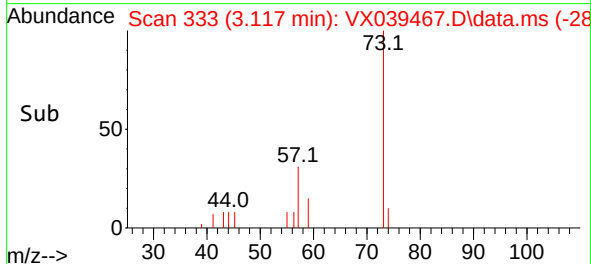
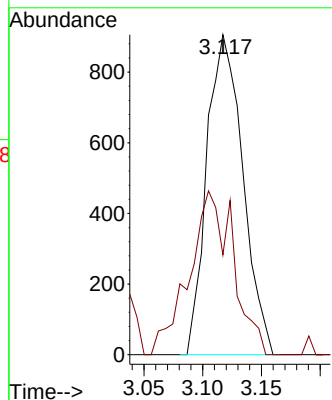
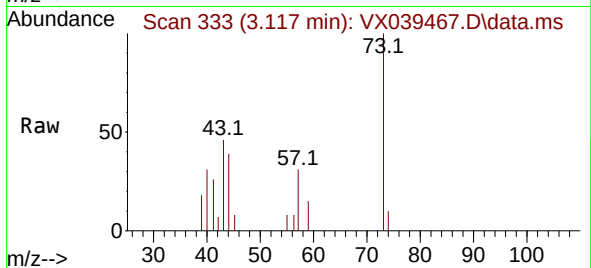




#19
Methyl tert-butyl Ether
Concen: 0.392 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039467.D
Acq: 26 Dec 2023 15:04

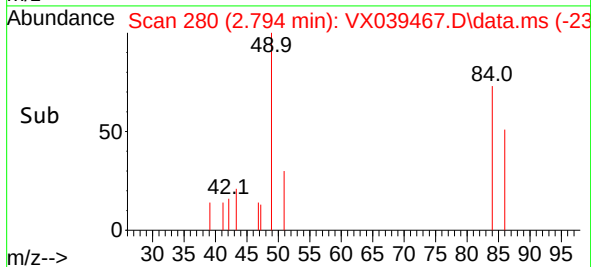
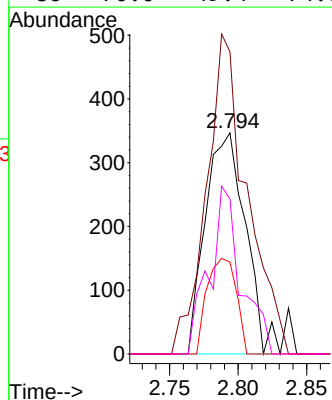
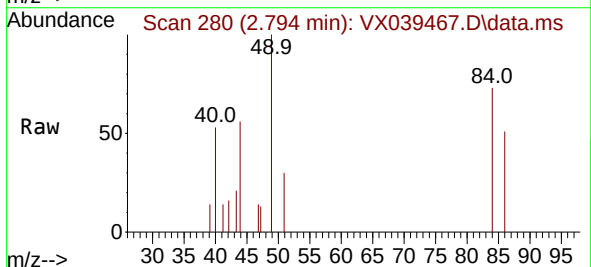
Instrument :
MSVOA_X
ClientSampleId :
AUD-1307

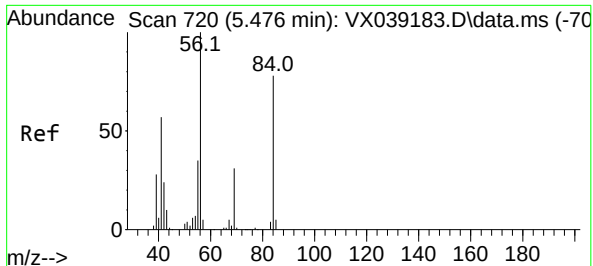
Tgt Ion: 73 Resp: 1933
Ion Ratio Lower Upper
73 100
57 31.2 17.3 25.9#



#20
Methylene Chloride
Concen: 0.438 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039467.D
Acq: 26 Dec 2023 15:04

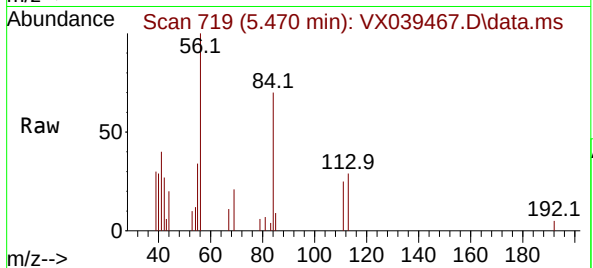
Tgt Ion: 84 Resp: 708
Ion Ratio Lower Upper
84 100
49 121.6 103.6 155.4
51 41.5 33.8 50.6
86 70.0 49.4 74.0



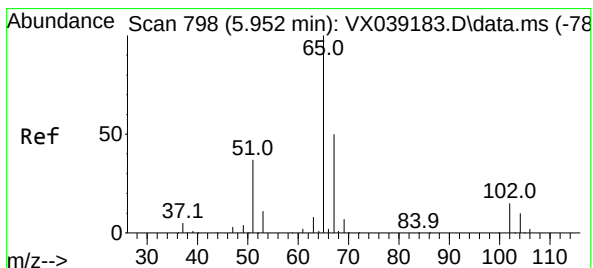
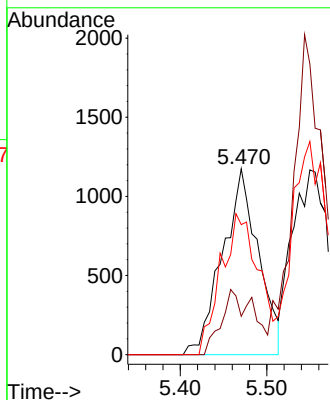
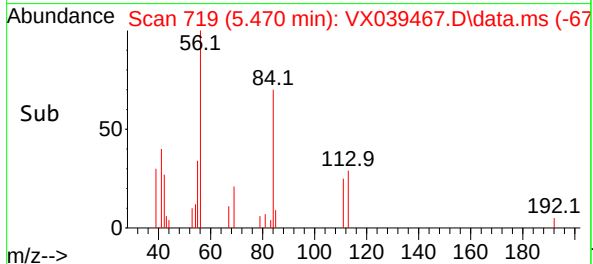


#31
Cyclohexane
Concen: 1.351 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX039467.D
Acq: 26 Dec 2023 15:04

Instrument :
MSVOA_X
ClientSampleId :
AUD-1307

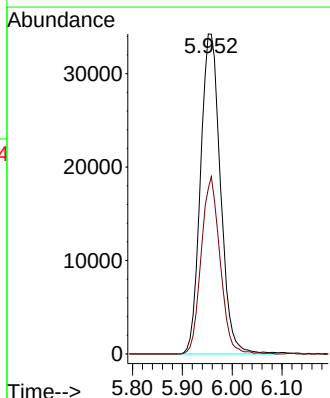
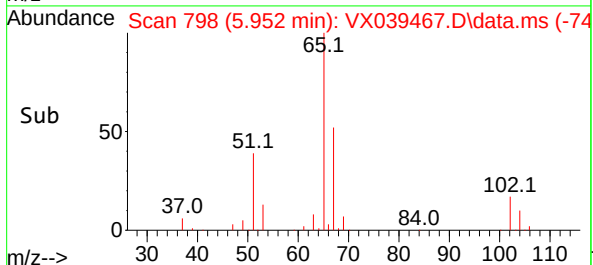
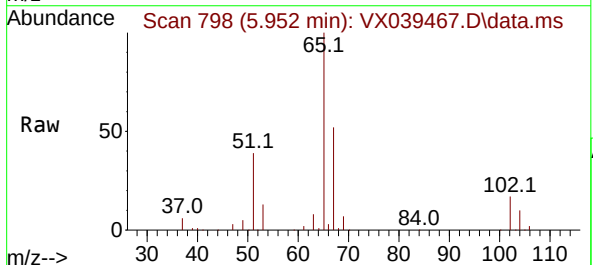


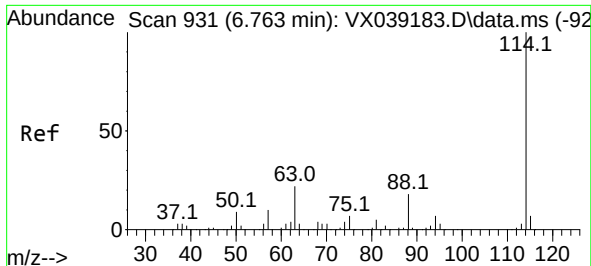
Tgt Ion: 56 Resp: 3386
Ion Ratio Lower Upper
56 100
69 20.6 23.4 35.2#
84 70.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 49.039 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039467.D
Acq: 26 Dec 2023 15:04

Tgt Ion: 65 Resp: 95178
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

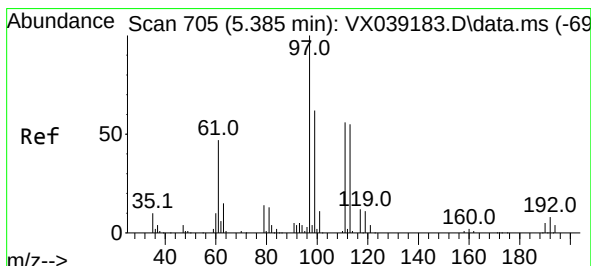
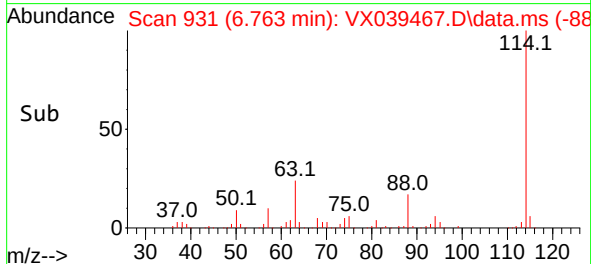
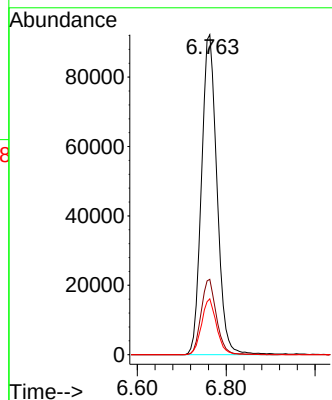
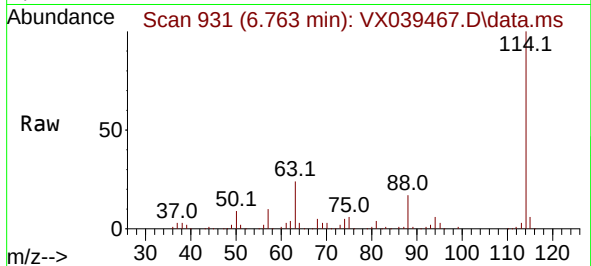




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX039467.D
Acq: 26 Dec 2023 15:04

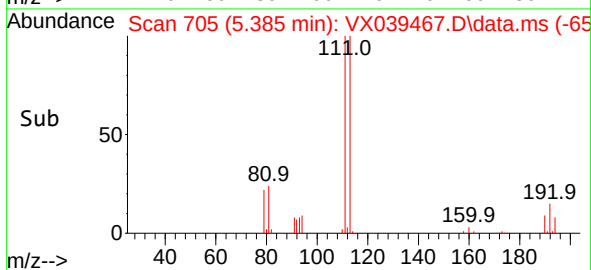
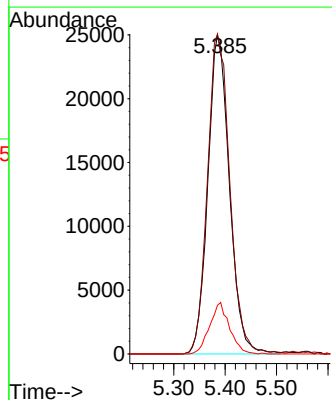
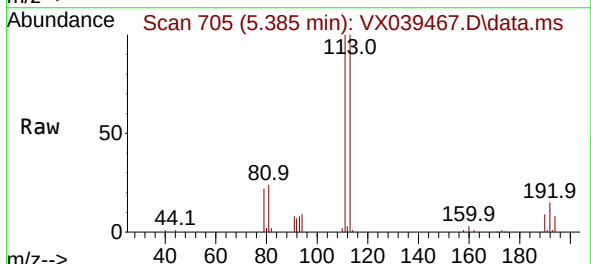
Instrument :
MSVOA_X
ClientSampleId :
AUD-1307

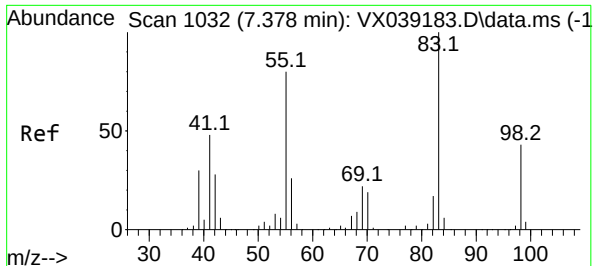
Tgt Ion:114 Resp: 223935
Ion Ratio Lower Upper
114 100
63 23.6 0.0 45.0
88 17.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.094 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039467.D
Acq: 26 Dec 2023 15:04

Tgt Ion:113 Resp: 72856
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 14.9 13.3 19.9





#39

Methylcyclohexane

Concen: 0.811 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

AUD-1307

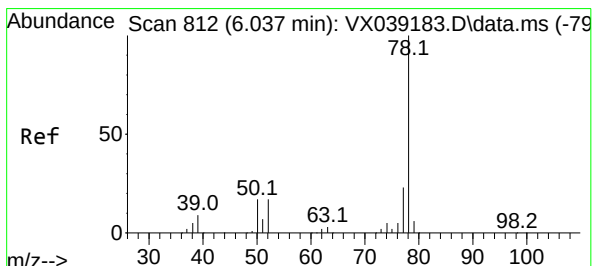
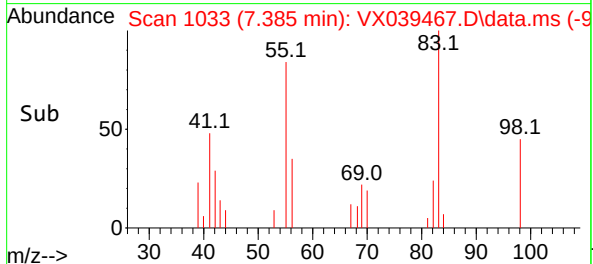
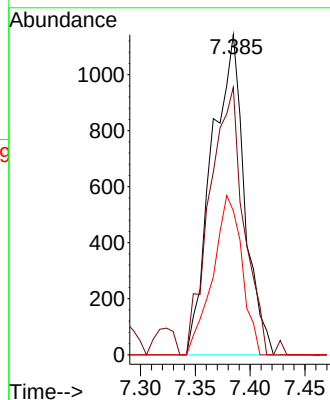
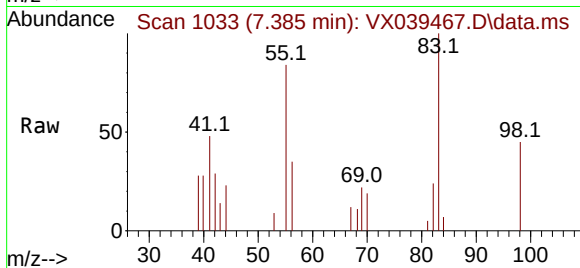
Tgt Ion: 83 Resp: 2379

Ion Ratio Lower Upper

83 100

55 83.6 64.6 97.0

98 45.0 36.7 55.1



#40

Benzene

Concen: 43.757 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX039467.D

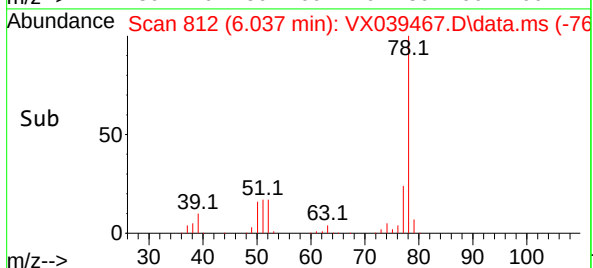
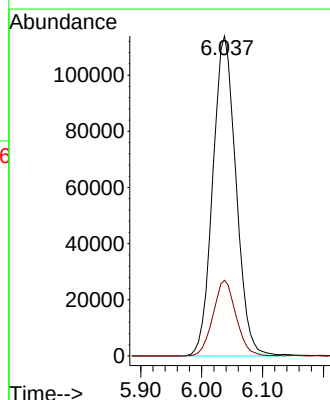
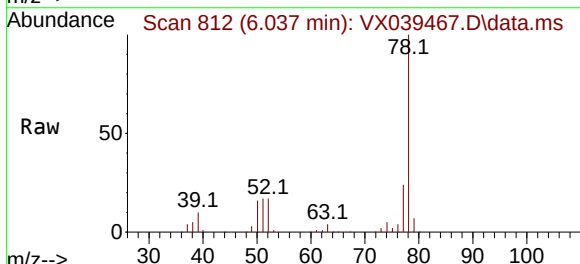
Acq: 26 Dec 2023 15:04

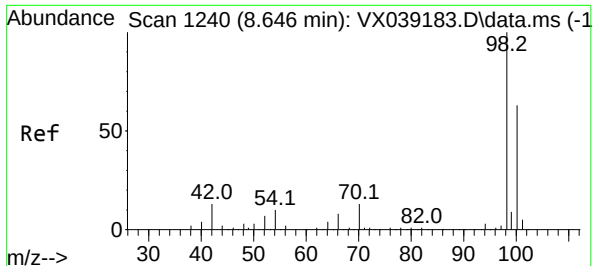
Tgt Ion: 78 Resp: 302179

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9





#50

Toluene-d8

Concen: 49.658 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

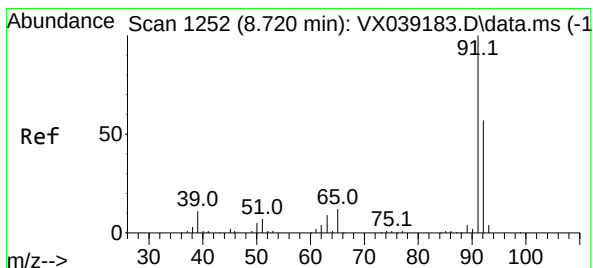
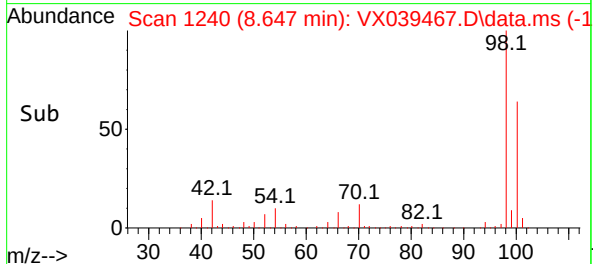
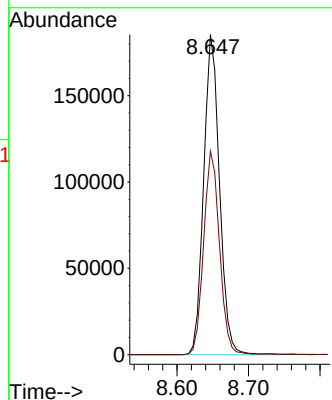
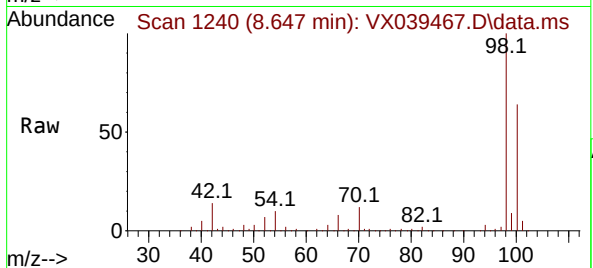
AUD-1307

Tgt Ion: 98 Resp: 285208

Ion Ratio Lower Upper

98 100

100 63.8 53.1 79.7



#52

Toluene

Concen: 2.911 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX039467.D

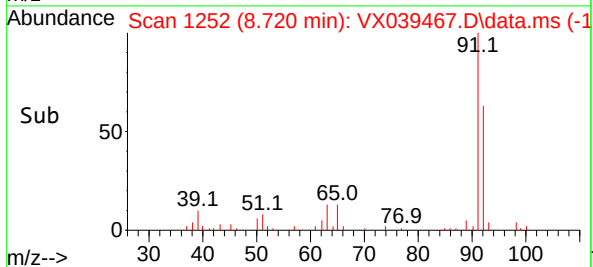
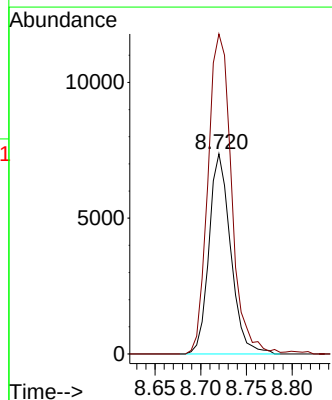
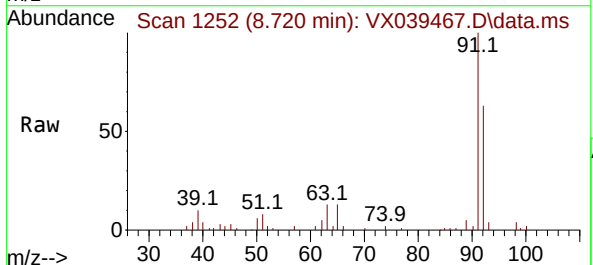
Acq: 26 Dec 2023 15:04

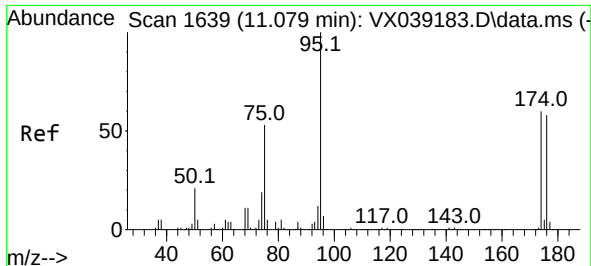
Tgt Ion: 92 Resp: 12133

Ion Ratio Lower Upper

92 100

91 174.3 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 50.355 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

AUD-1307

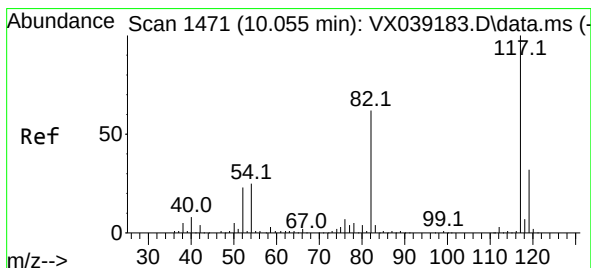
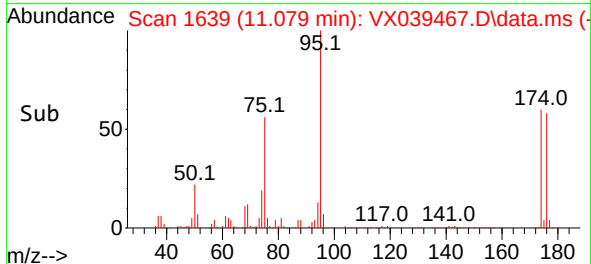
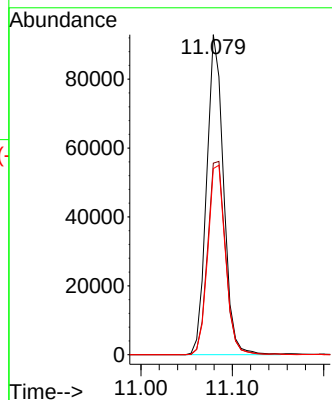
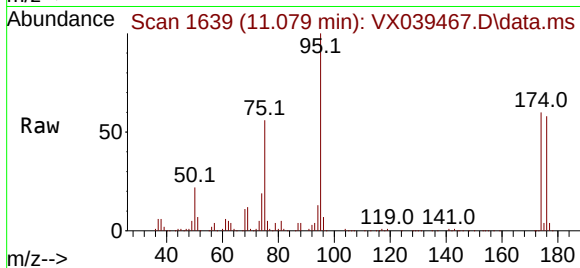
Tgt Ion: 95 Resp: 119329

Ion Ratio Lower Upper

95 100

174 64.1 0.0 135.6

176 62.0 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: VX039467.D

Acq: 26 Dec 2023 15:04

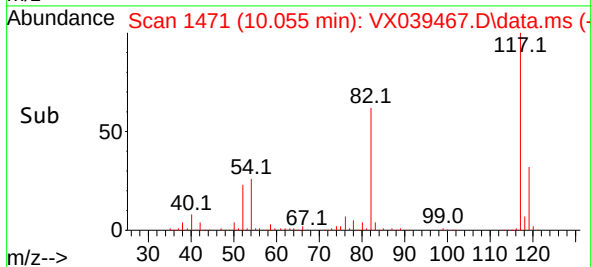
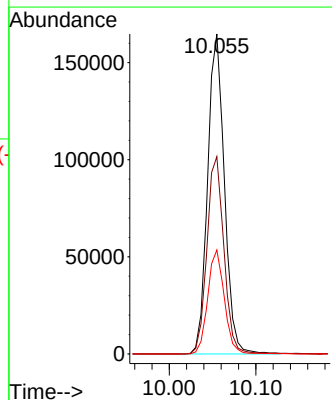
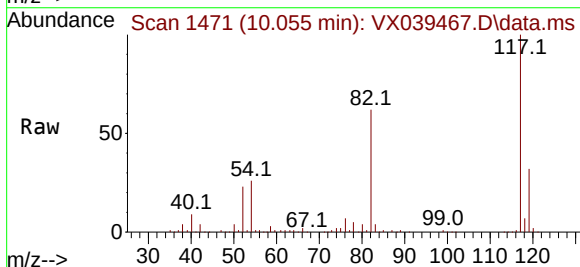
Tgt Ion: 117 Resp: 221716

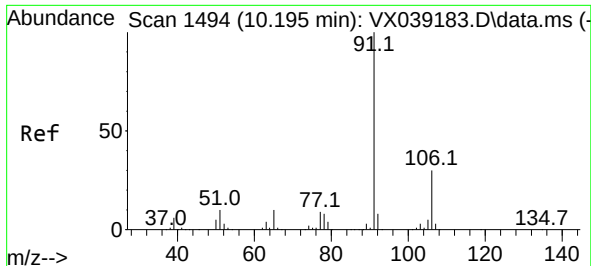
Ion Ratio Lower Upper

117 100

82 61.7 46.2 69.4

119 32.5 25.5 38.3





#67

Ethyl Benzene

Concen: 0.453 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

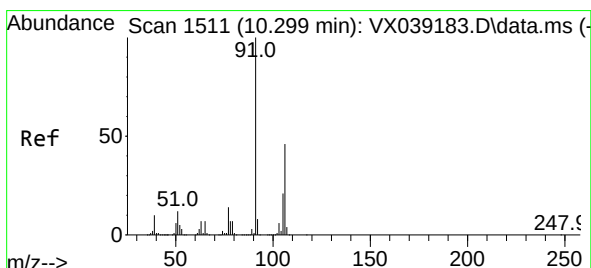
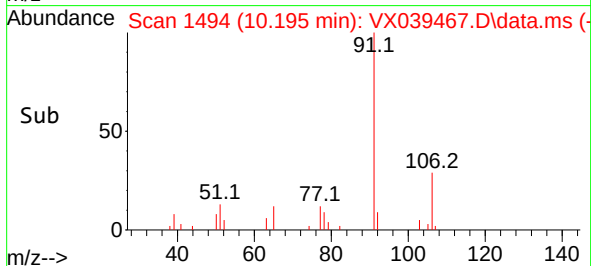
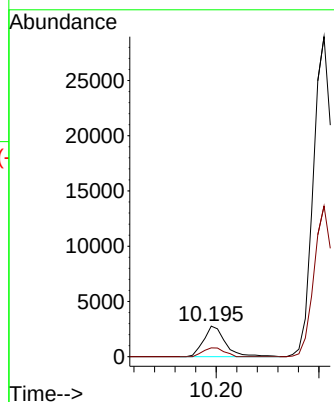
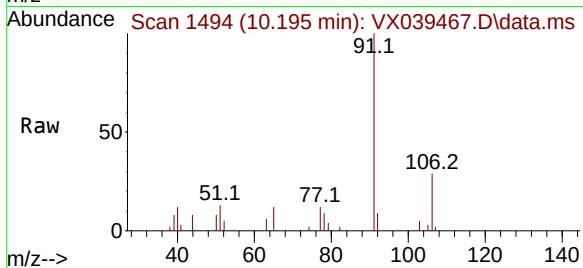
AUD-1307

Tgt Ion: 91 Resp: 4078

Ion Ratio Lower Upper

91 100

106 28.5 24.9 37.3



#68

m/p-Xylenes

Concen: 5.715 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX039467.D

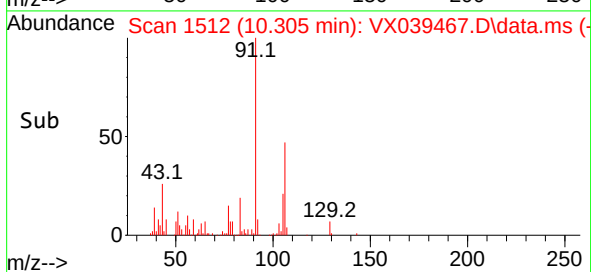
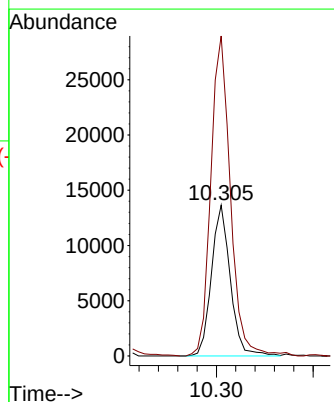
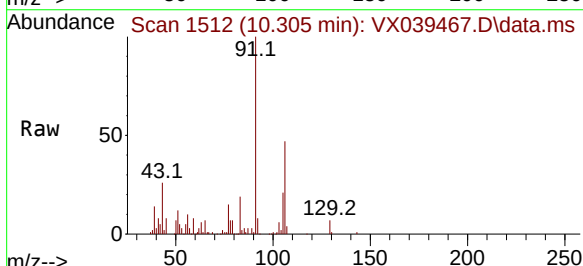
Acq: 26 Dec 2023 15:04

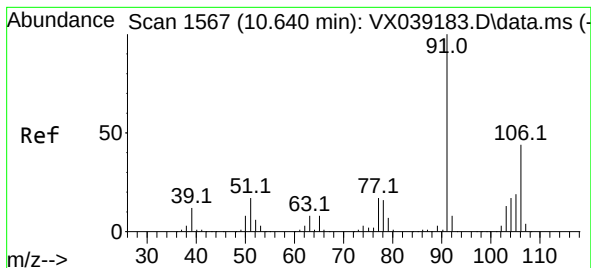
Tgt Ion: 106 Resp: 18458

Ion Ratio Lower Upper

106 100

91 220.3 165.5 248.3





#69

o-Xylene

Concen: 0.852 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

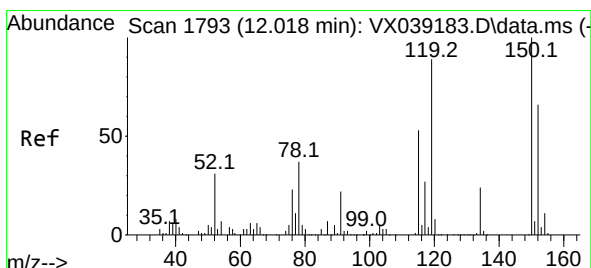
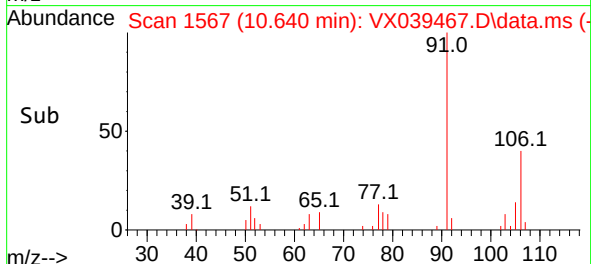
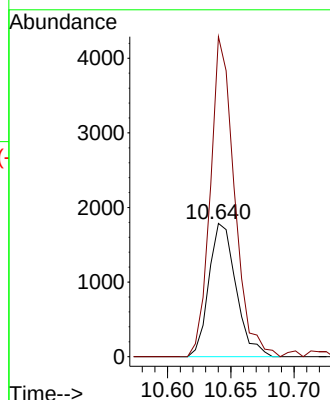
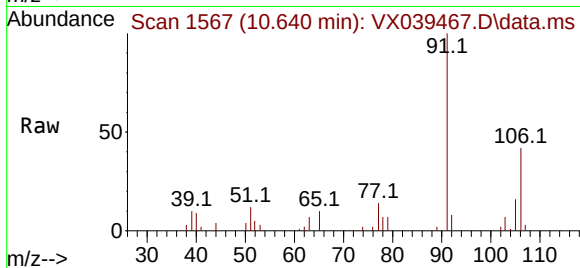
AUD-1307

Tgt Ion:106 Resp: 2660

Ion Ratio Lower Upper

106 100

91 213.4 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

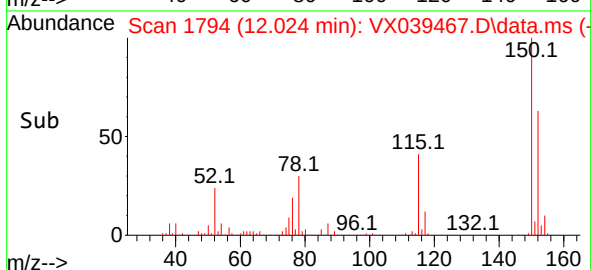
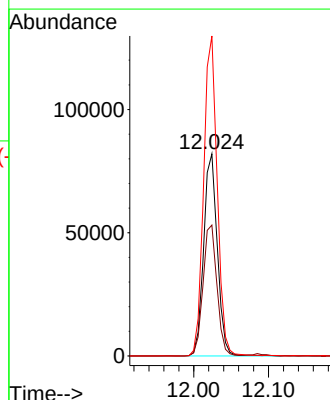
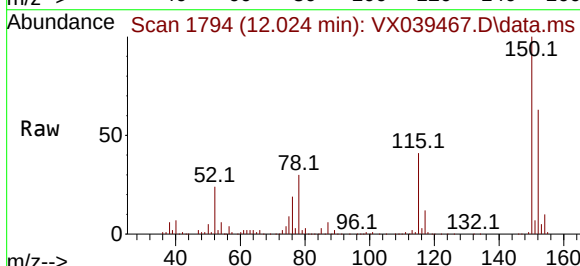
Tgt Ion:152 Resp: 104128

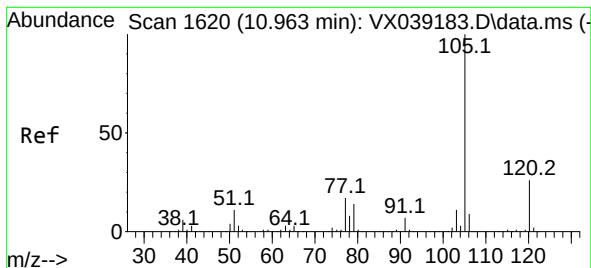
Ion Ratio Lower Upper

152 100

115 65.9 43.3 129.9

150 156.9 0.0 345.0





#73

Isopropylbenzene

Concen: 0.701 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

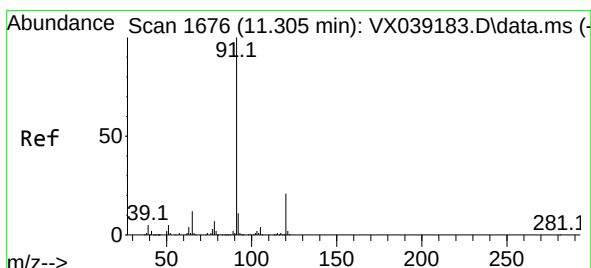
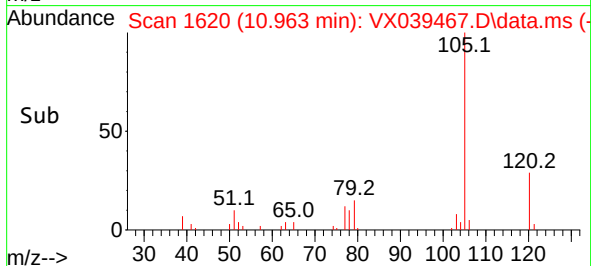
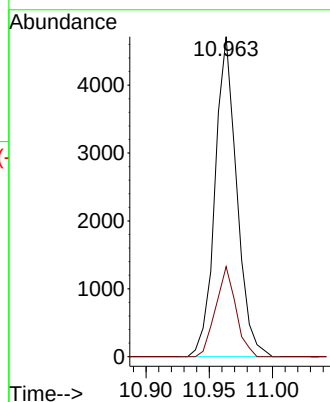
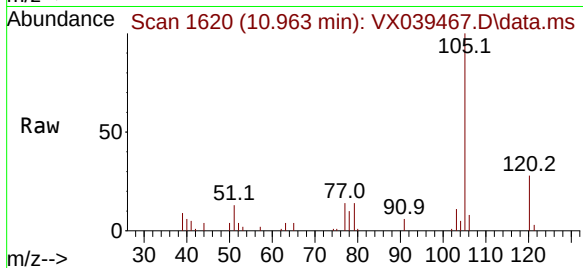
AUD-1307

Tgt Ion:105 Resp: 5633

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.6



#78

n-propylbenzene

Concen: 0.712 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039467.D

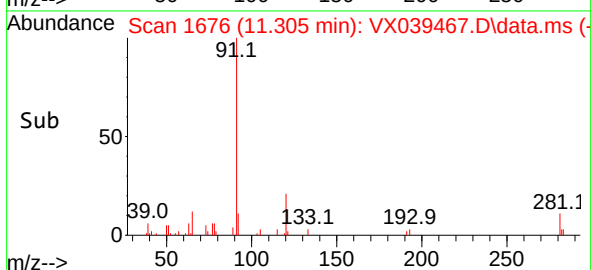
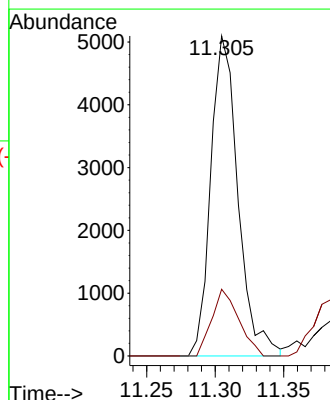
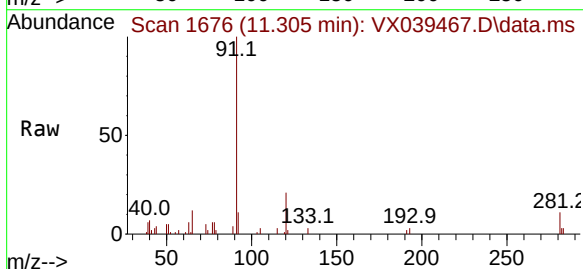
Acq: 26 Dec 2023 15:04

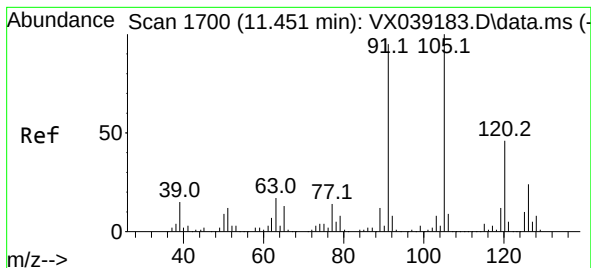
Tgt Ion: 91 Resp: 7049

Ion Ratio Lower Upper

91 100

120 20.7 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.496 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039467.D

Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

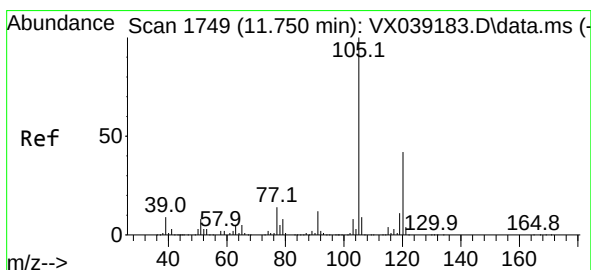
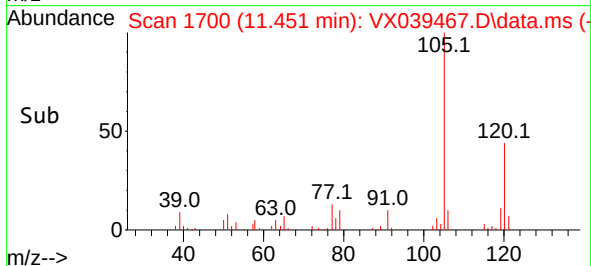
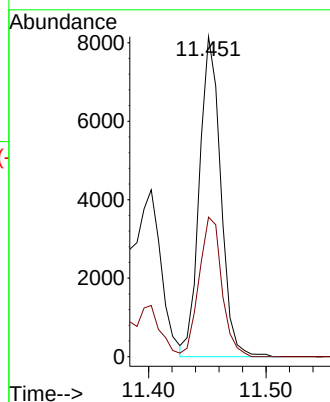
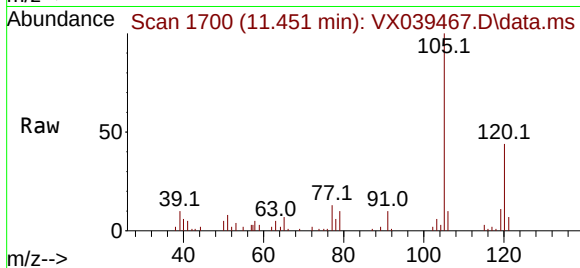
AUD-1307

Tgt Ion:105 Resp: 10237

Ion Ratio Lower Upper

105 100

120 46.9 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 2.999 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039467.D

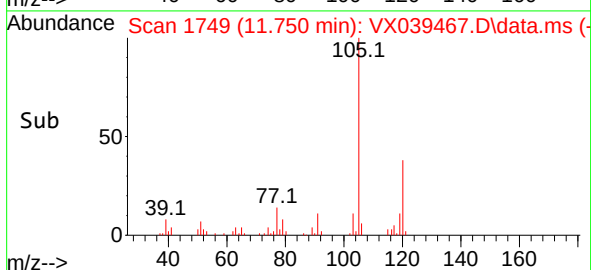
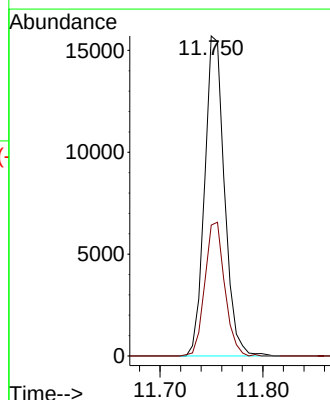
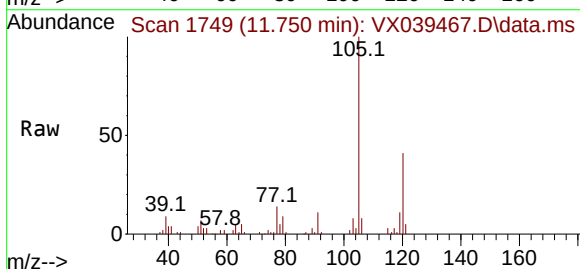
Acq: 26 Dec 2023 15:04

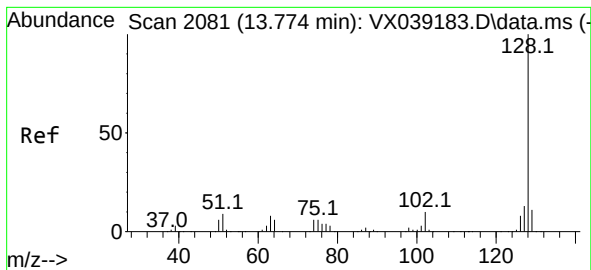
Tgt Ion:105 Resp: 21047

Ion Ratio Lower Upper

105 100

120 41.9 21.2 63.6





#95

Naphthalene

Concen: 2.933 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX039467.D

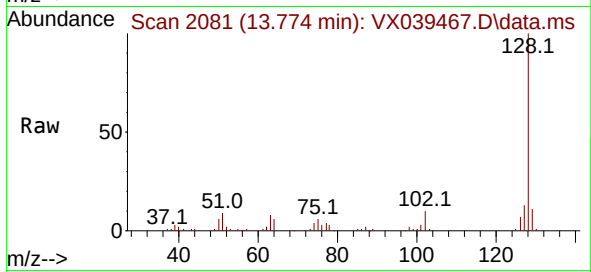
Acq: 26 Dec 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

AUD-1307



Tgt Ion:128 Resp: 22339

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.6 8.8 13.2

