

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061323\
 Data File : VX036150.D
 Acq On : 13 Jun 2023 17:36
 Operator : JC/MD
 Sample : 03170-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-2012

Quant Time: Jun 14 00:58:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

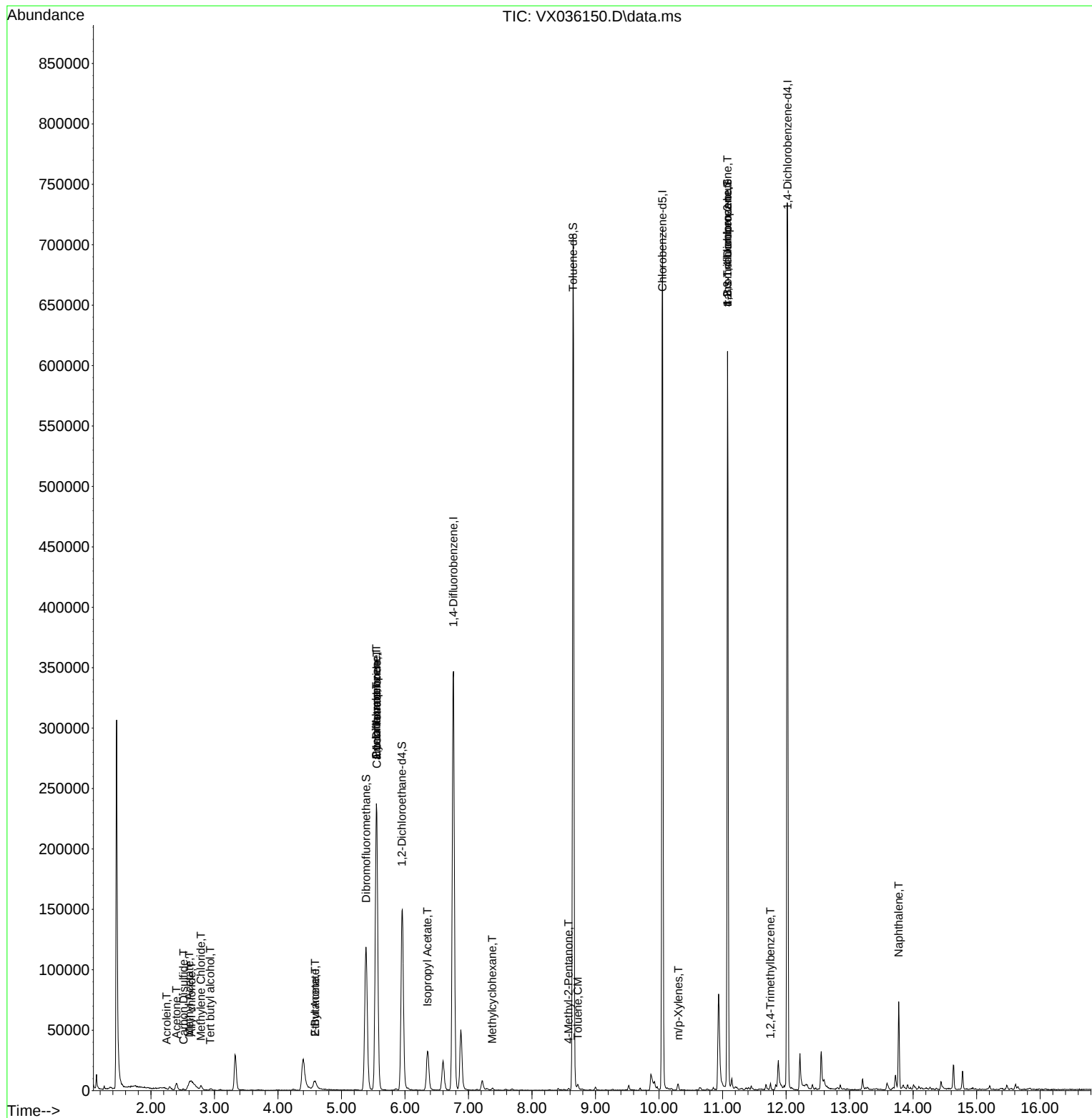
Internal Standards						
1) Pentafluorobenzene	5.550	168	197762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	330634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	292178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	155508	48.424	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.840%		
35) Dibromofluoromethane	5.385	113	102053	45.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.780%		
50) Toluene-d8	8.647	98	387872	48.598	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.200%		
62) 4-Bromofluorobenzene	11.079	95	154346	48.989	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.980%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.934	59	706	1.238	ug/l #	78
13) Acrolein	2.245	56	131	0.238	ug/l #	74
14) Allyl chloride	2.635	41	1854	0.455	ug/l #	23
16) Acetone	2.398	43	8693	6.561	ug/l	98
17) Carbon Disulfide	2.514	76	1194	0.240	ug/l #	74
18) Methyl Acetate	2.605	43	3263	0.634	ug/l #	54
20) Methylene Chloride	2.788	84	1491	0.584	ug/l #	85
25) 2-Butanone	4.586	43	3853	2.032	ug/l #	75
31) Cyclohexane	5.550	56	5299	1.576	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19515	6.582	ug/l #	52
37) Ethyl Acetate	4.586	43	3255	0.986	ug/l #	80
38) Carbon Tetrachloride	5.556	117	23355	8.083	ug/l #	17
39) Methylcyclohexane	7.372	83	635	0.205	ug/l	92
43) Isopropyl Acetate	6.354	43	13971	2.573	ug/l #	62
51) 4-Methyl-2-Pentanone	8.573	43	961	0.290	ug/l	92
52) Toluene	8.720	92	1332	0.238	ug/l	94
68) m/p-Xylenes	10.305	106	1181	0.297	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	87023	28.401	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	87023	95.664	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	2202	0.258	ug/l	98
95) Naphthalene	13.774	128	40828	4.528	ug/l	99

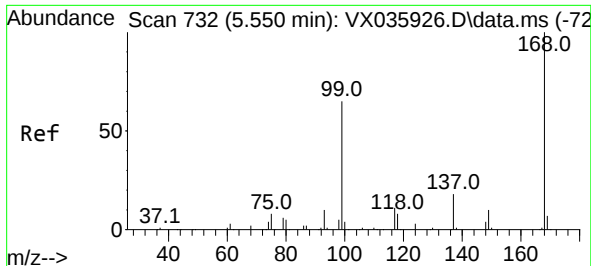
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 31 12:50:30 2023
Response via : Initial Calibration

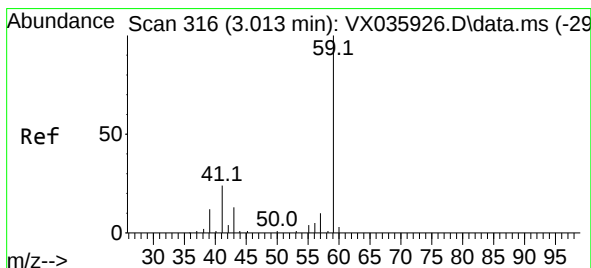
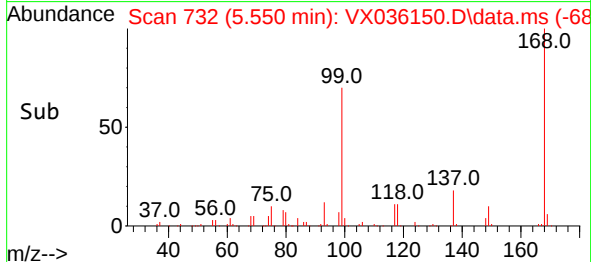
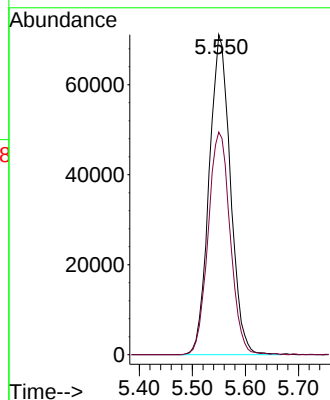
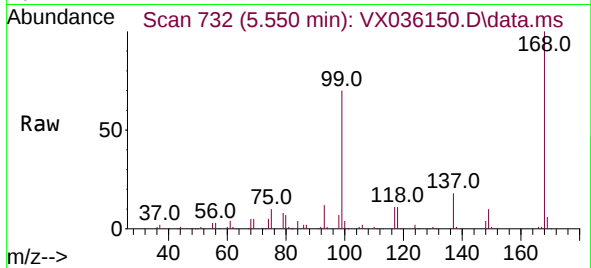




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

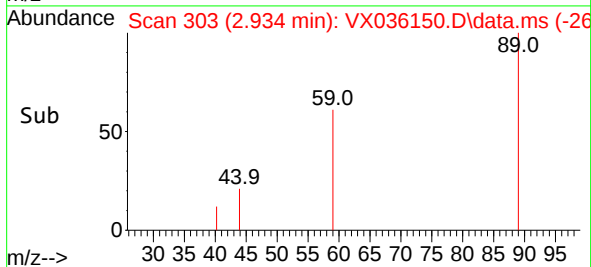
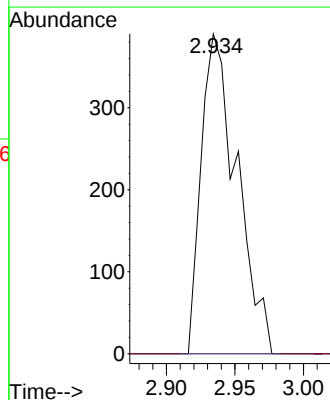
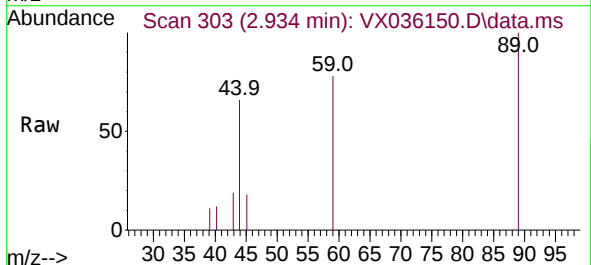
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

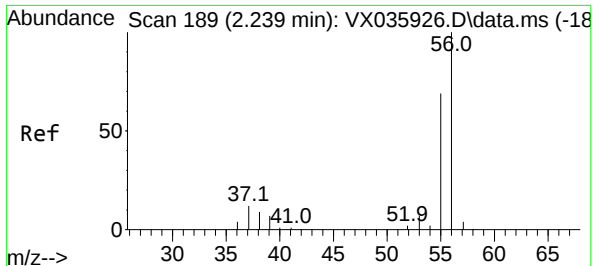
Tgt Ion:168 Resp: 197762
Ion Ratio Lower Upper
168 100
99 69.6 57.0 85.6



#11
Tert butyl alcohol
Concen: 1.238 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.073 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 59 Resp: 706
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

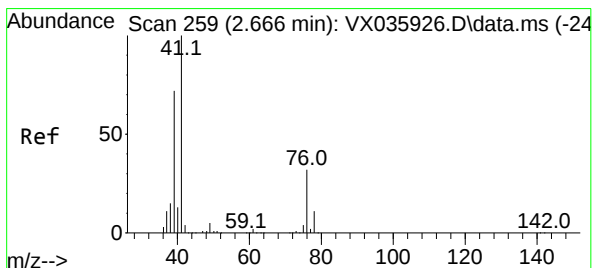
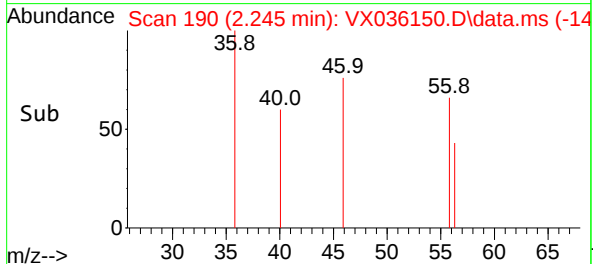
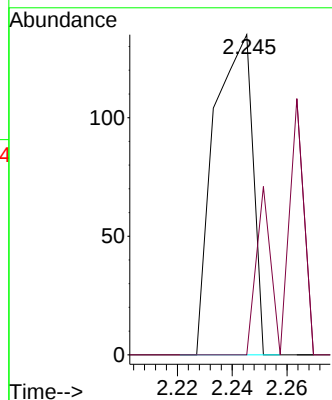
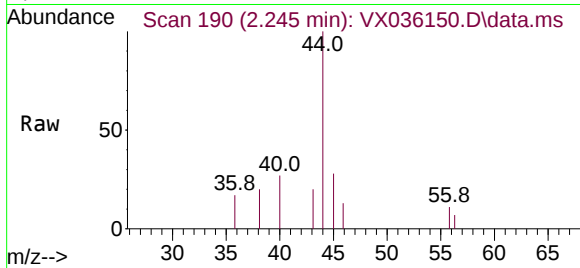




#13
Acrolein
Concen: 0.238 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

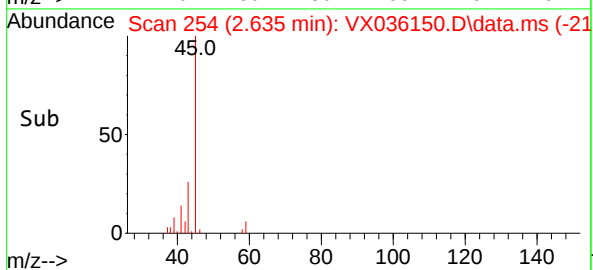
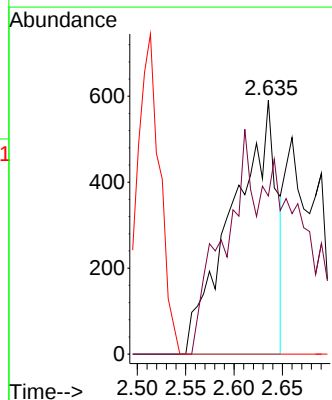
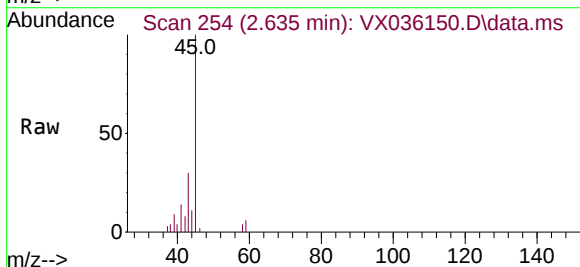
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

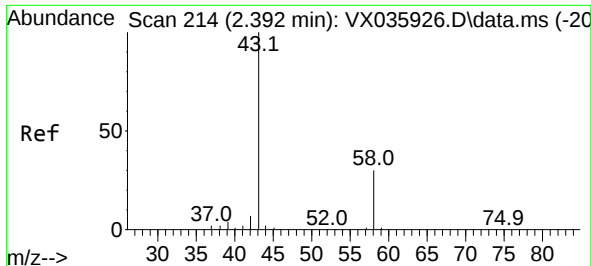
Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 49.6 57.3 85.9#



#14
Allyl chloride
Concen: 0.455 ug/l
RT: 2.635 min Scan# 254
Delta R.T. -0.031 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 41 Resp: 1854
Ion Ratio Lower Upper
41 100
39 0.0 56.9 85.3#
76 0.0 24.1 36.1#

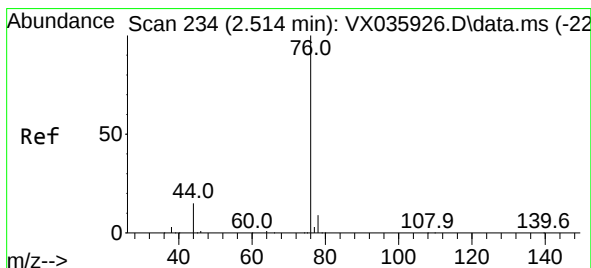
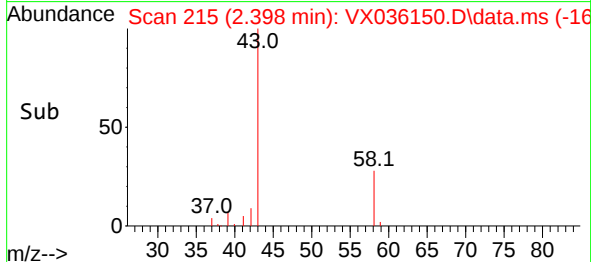
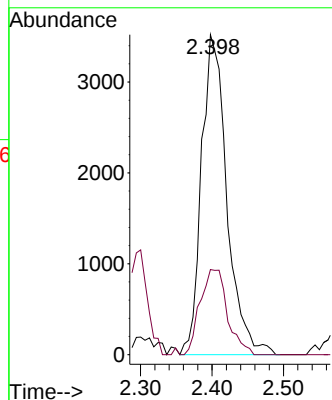
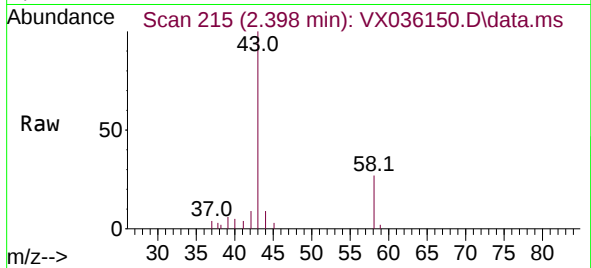




#16
Acetone
Concen: 6.561 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

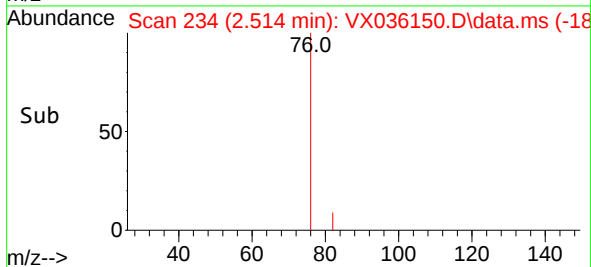
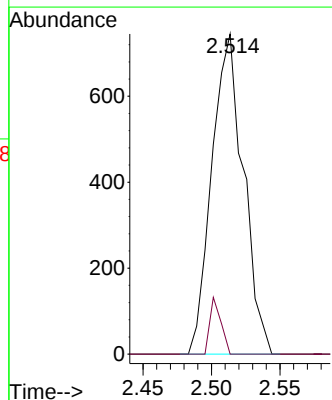
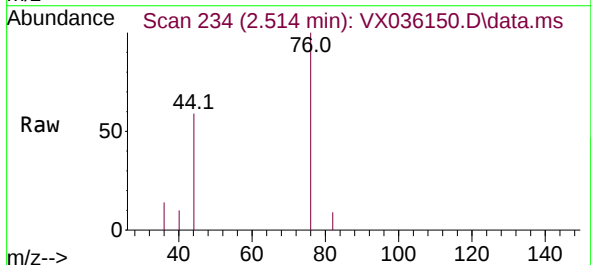
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

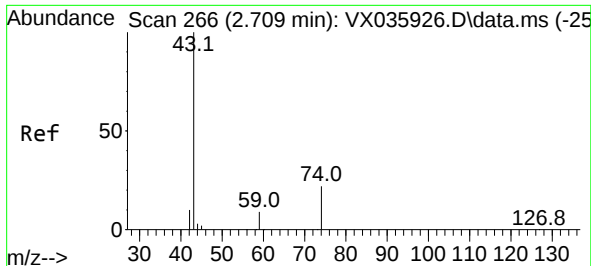
Tgt Ion: 43 Resp: 8693
Ion Ratio Lower Upper
43 100
58 26.6 22.2 33.2



#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 76 Resp: 1194
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

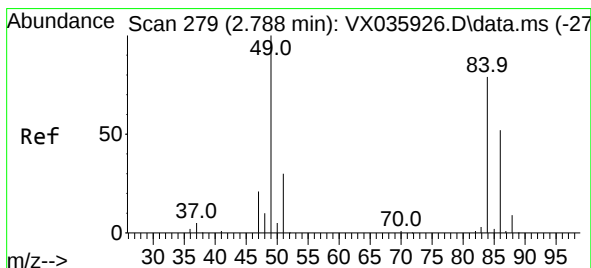
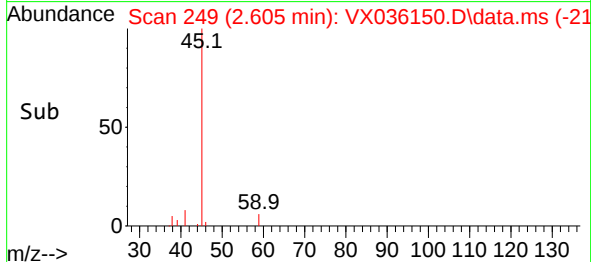
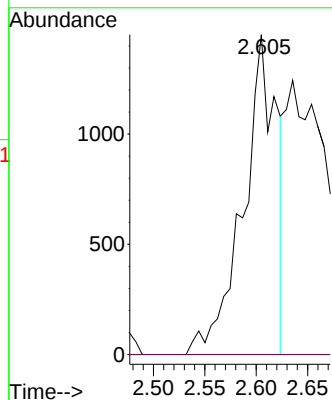
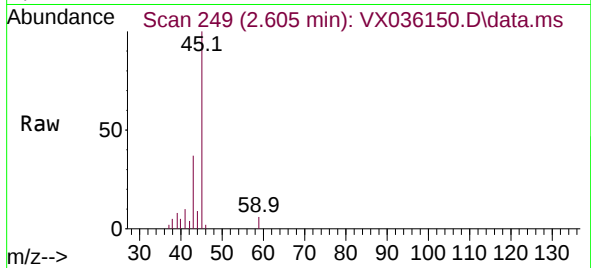




#18
Methyl Acetate
Concen: 0.634 ug/l
RT: 2.605 min Scan# 249
Delta R.T. -0.097 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

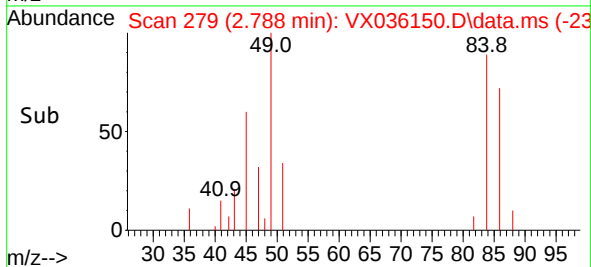
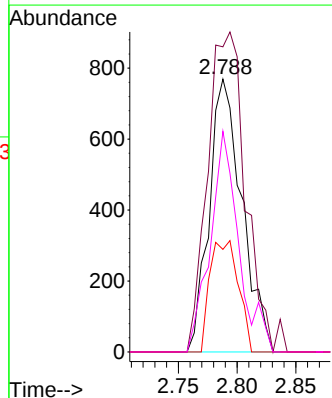
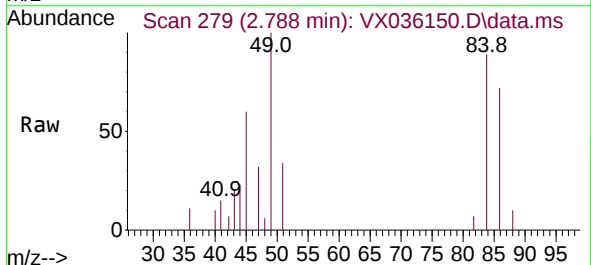
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

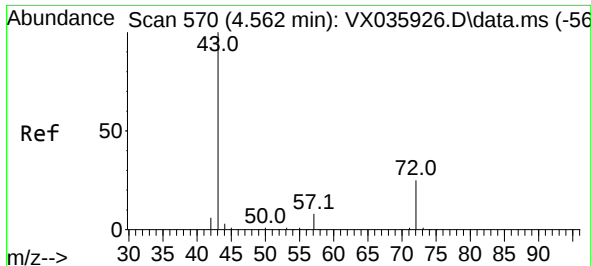
Tgt Ion: 43 Resp: 3263
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.584 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 84 Resp: 1491
Ion Ratio Lower Upper
84 100
49 111.8 104.6 156.8
51 37.6 32.2 48.4
86 80.9 52.4 78.6#

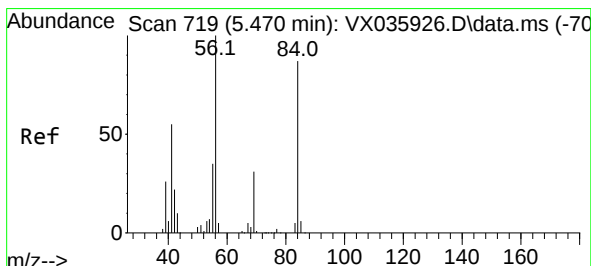
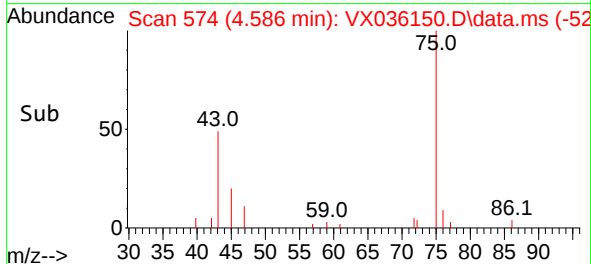
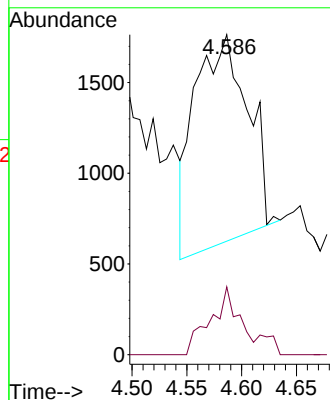
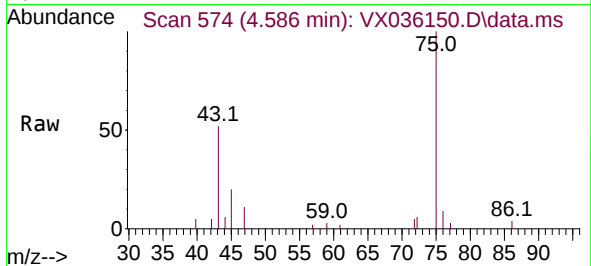




#25
2-Butanone
Concen: 2.032 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

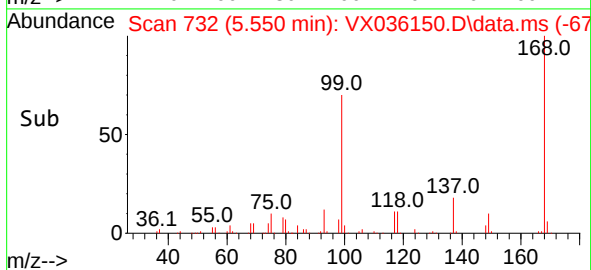
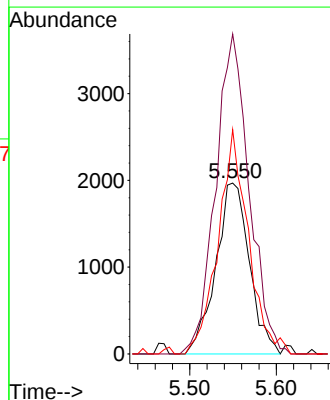
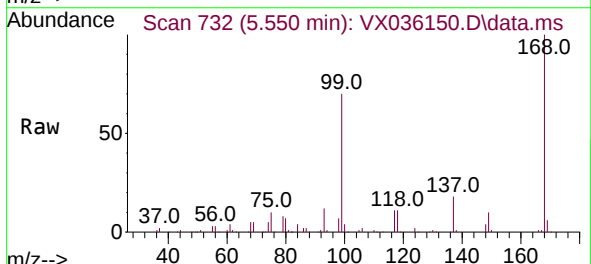
Instrument :
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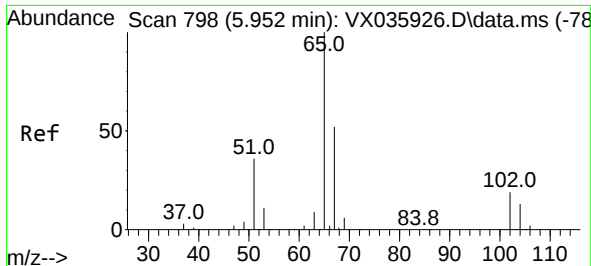
Tgt Ion: 43 Resp: 3853
Ion Ratio Lower Upper
43 100
72 36.6 19.4 29.2#



#31
Cyclohexane
Concen: 1.576 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 56 Resp: 5299
Ion Ratio Lower Upper
56 100
69 187.3 25.9 38.9#
84 131.4 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 48.424 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX036150.D

Acq: 13 Jun 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

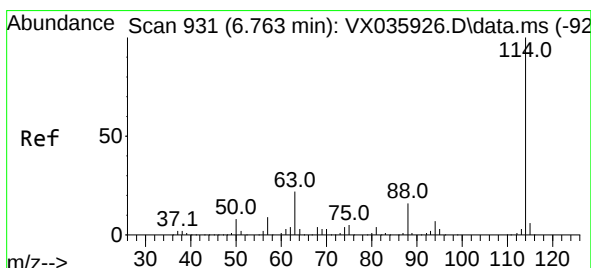
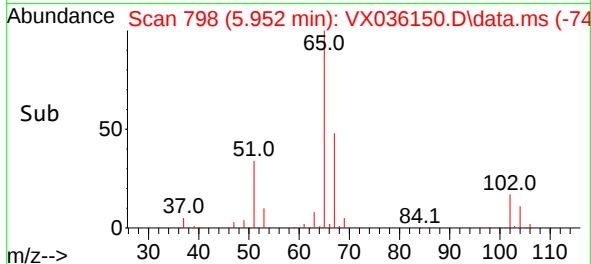
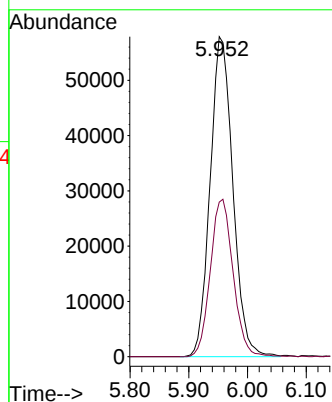
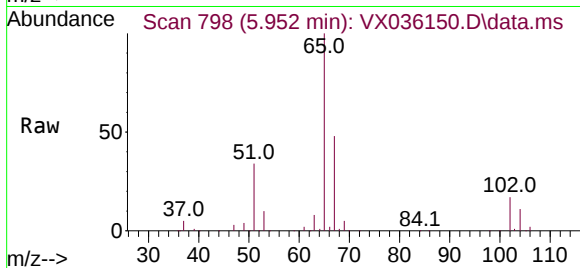
AUD-2012

Tgt Ion: 65 Resp: 155508

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036150.D

Acq: 13 Jun 2023 17:36

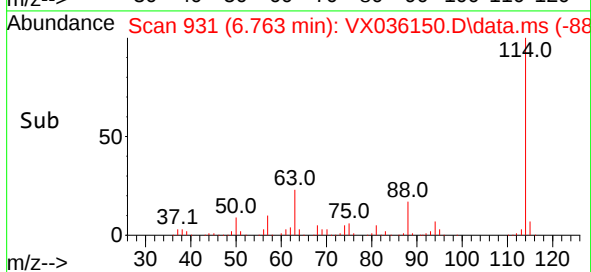
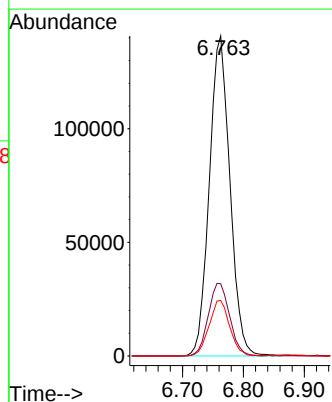
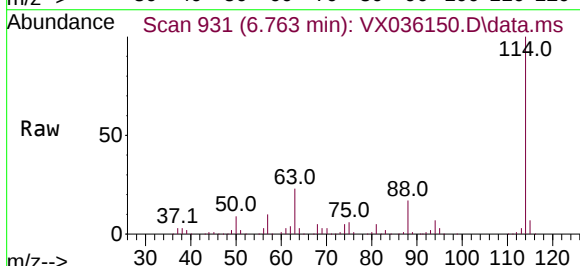
Tgt Ion: 114 Resp: 330634

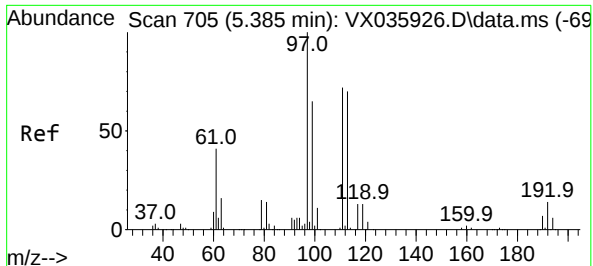
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.0

88 17.3 0.0 35.2

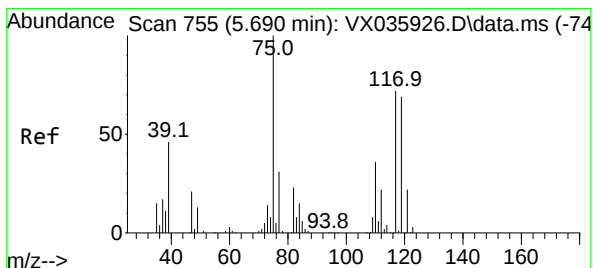
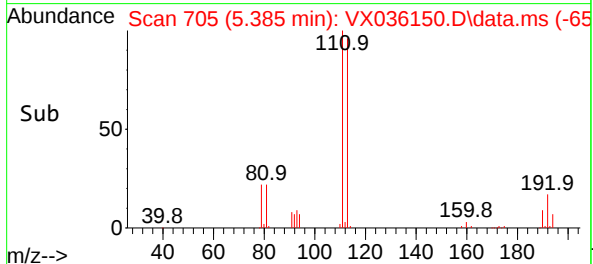
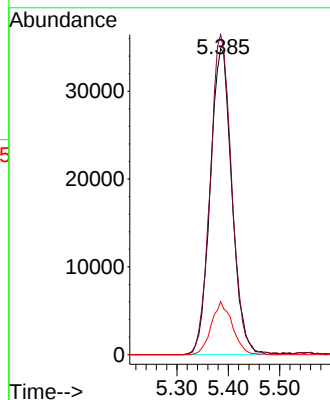
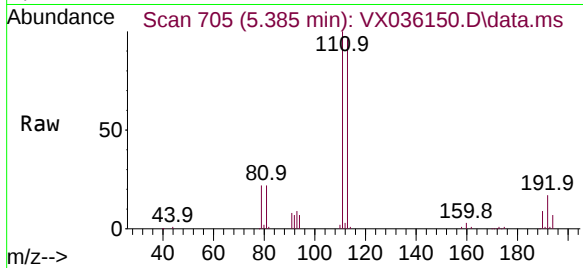




#35
Dibromofluoromethane
Concen: 45.891 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

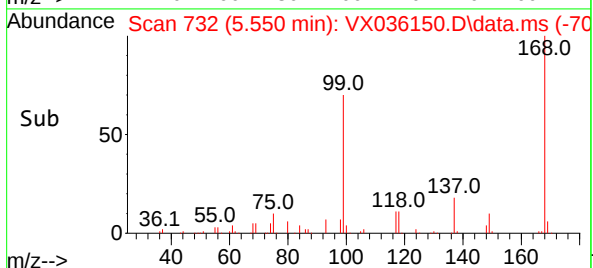
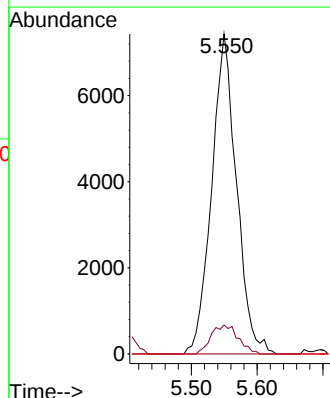
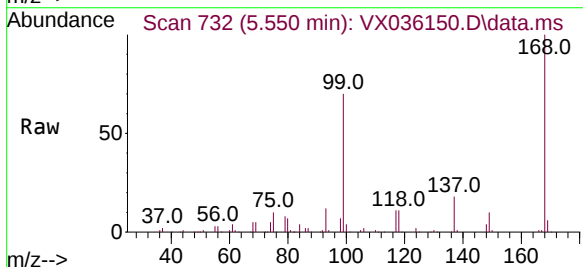
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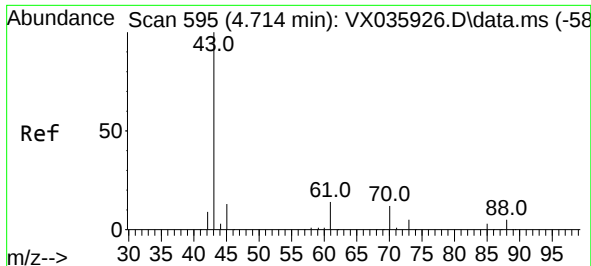
Tgt Ion:113 Resp: 102053
Ion Ratio Lower Upper
113 100
111 103.6 81.7 122.5
192 16.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 6.582 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 75 Resp: 19515
Ion Ratio Lower Upper
75 100
110 9.9 16.6 49.7#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.986 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.122 min

Lab File: VX036150.D

Acq: 13 Jun 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

AUD-2012

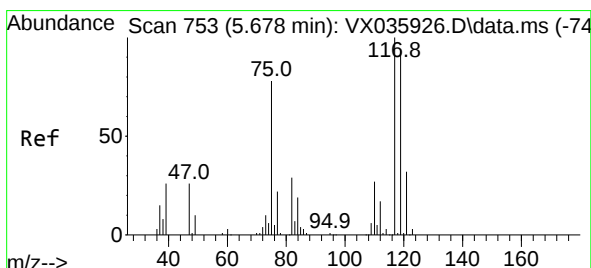
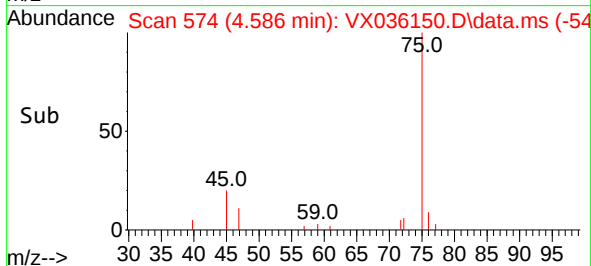
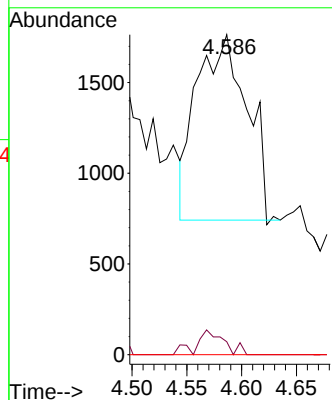
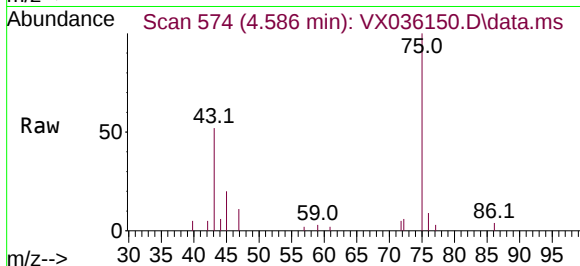
Tgt Ion: 43 Resp: 3255

Ion Ratio Lower Upper

43 100

61 7.4 10.3 15.5#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 8.083 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX036150.D

Acq: 13 Jun 2023 17:36

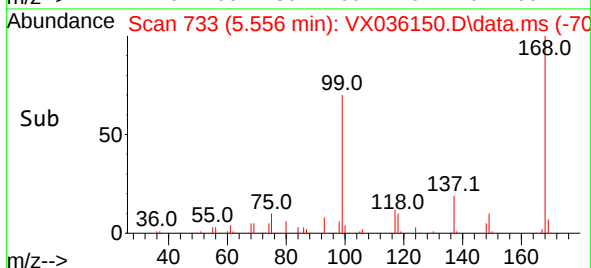
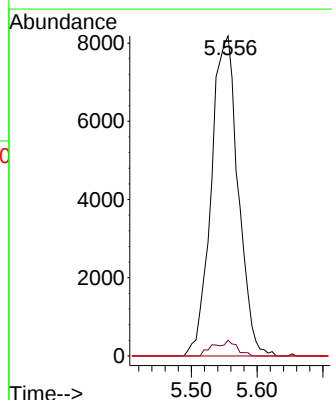
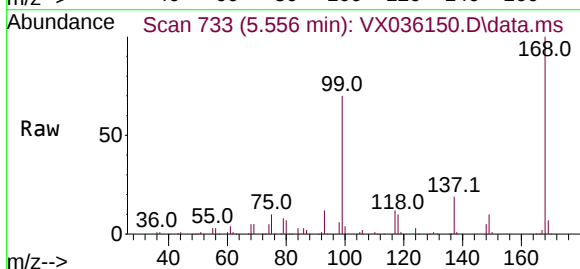
Tgt Ion: 117 Resp: 23355

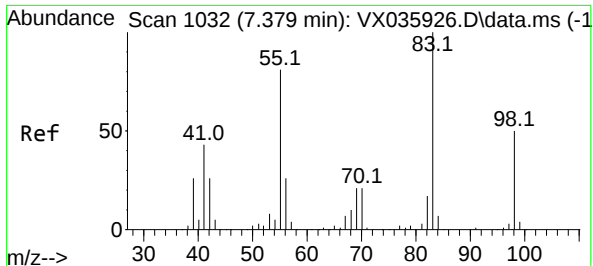
Ion Ratio Lower Upper

117 100

119 4.9 74.1 111.1#

121 0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 0.205 ug/l

RT: 7.372 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX036150.D

Acq: 13 Jun 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

AUD-2012

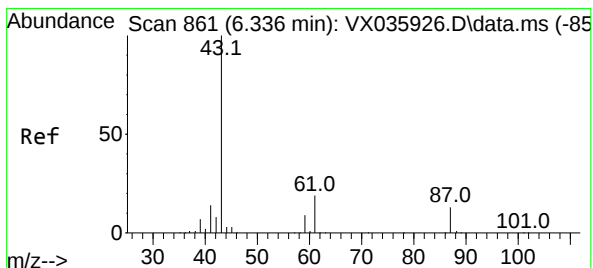
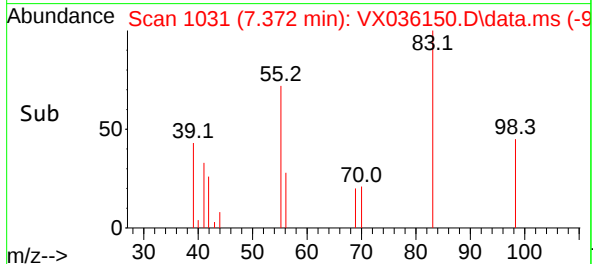
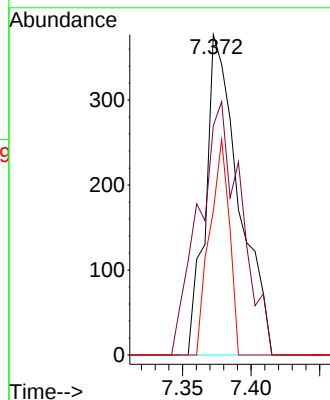
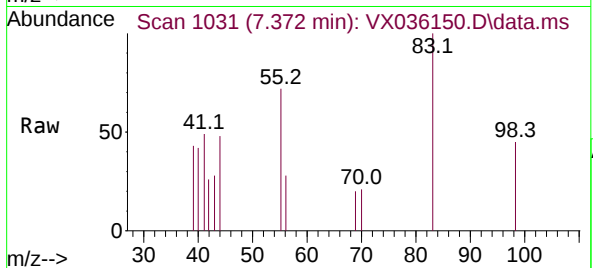
Tgt Ion: 83 Resp: 635

Ion Ratio Lower Upper

83 100

55 71.6 64.9 97.3

98 44.8 38.1 57.1



#43

Isopropyl Acetate

Concen: 2.573 ug/l

RT: 6.354 min Scan# 864

Delta R.T. 0.018 min

Lab File: VX036150.D

Acq: 13 Jun 2023 17:36

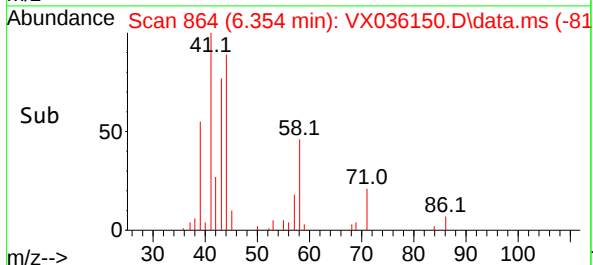
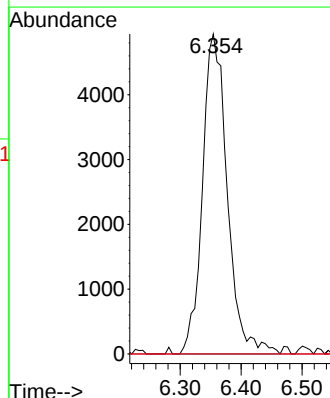
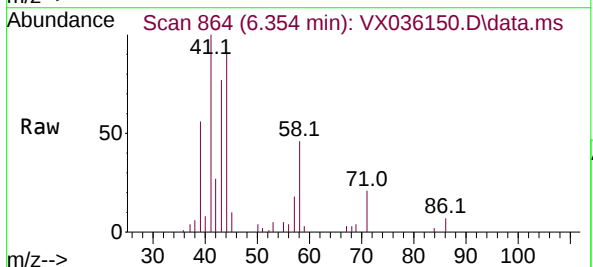
Tgt Ion: 43 Resp: 13971

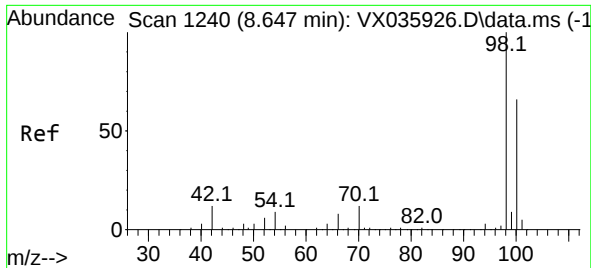
Ion Ratio Lower Upper

43 100

61 0.0 15.0 22.4#

87 0.0 9.9 14.9#

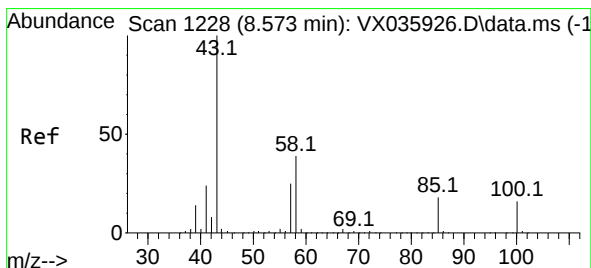
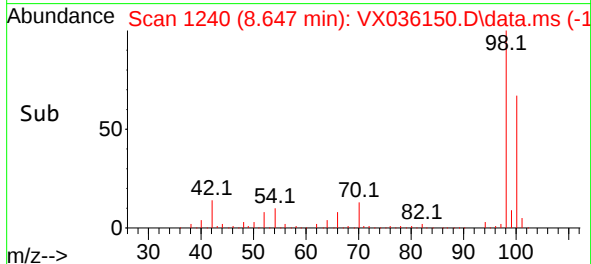
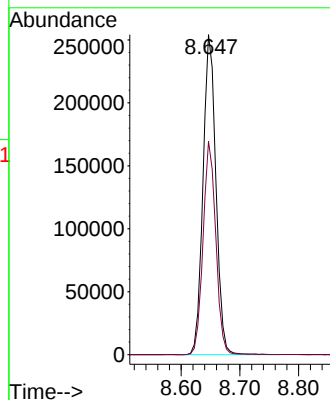
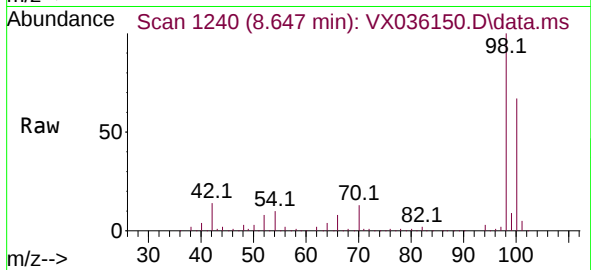




#50
Toluene-d8
Concen: 48.598 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

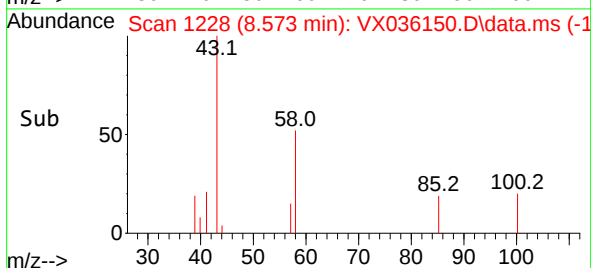
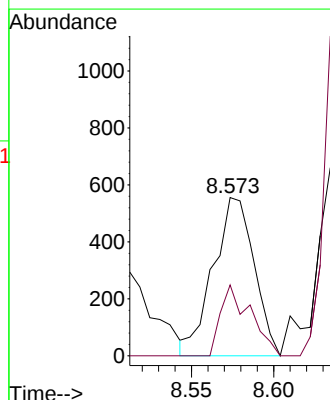
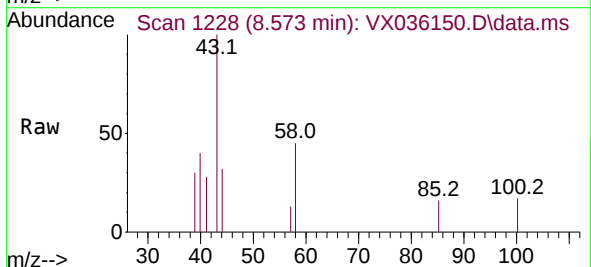
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

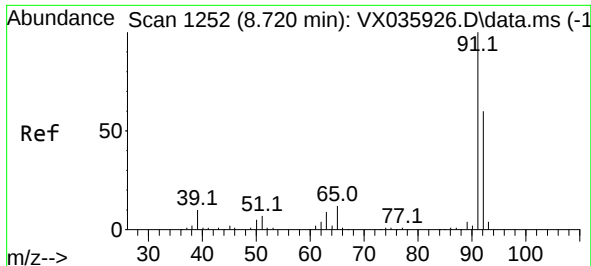
Tgt Ion: 98 Resp: 387872
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.290 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 32.8 30.1 45.1

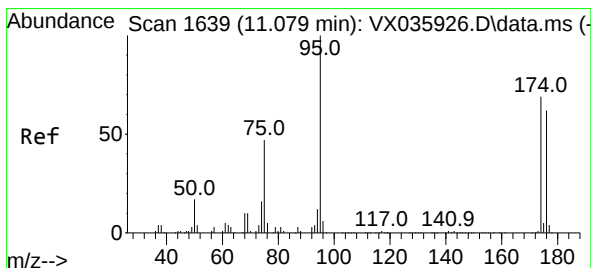
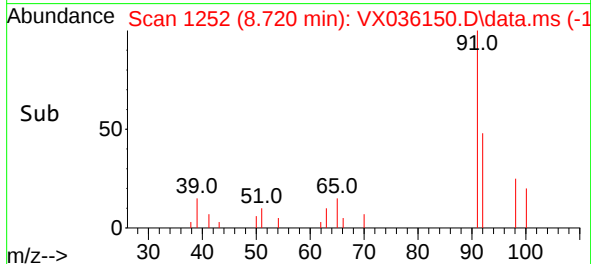
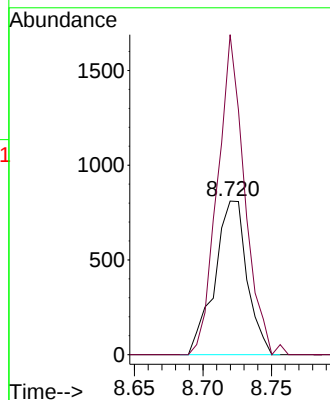
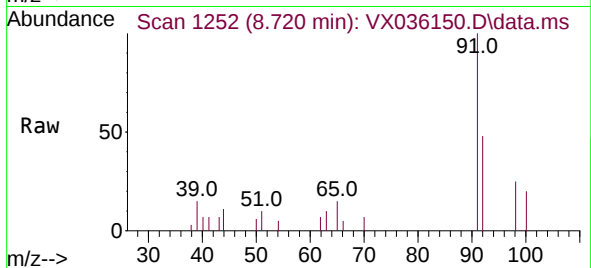




#52
Toluene
Concen: 0.238 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

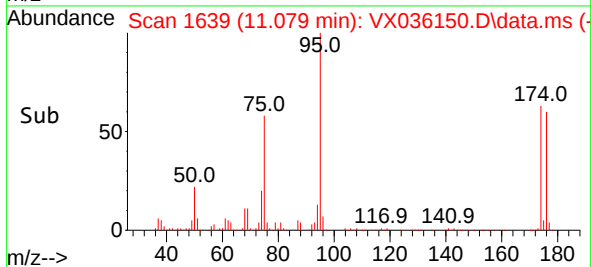
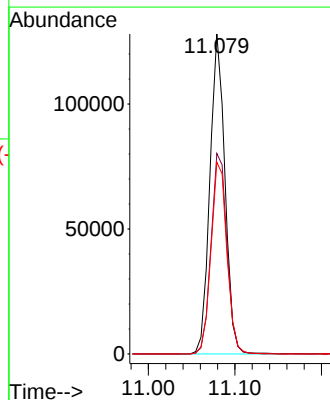
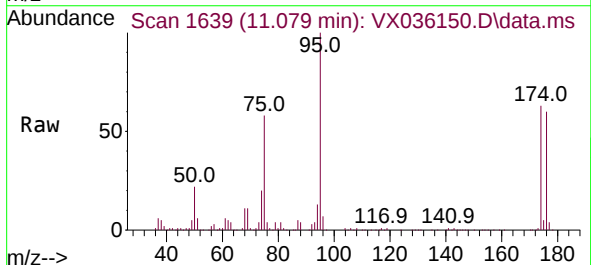
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

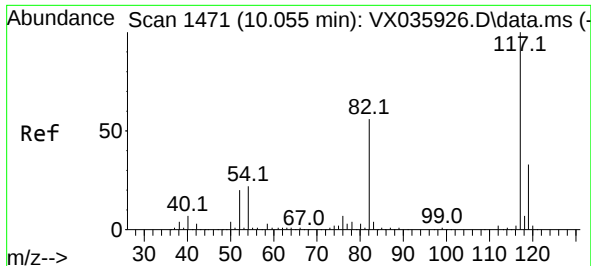
Tgt Ion: 92 Resp: 1332
Ion Ratio Lower Upper
92 100
91 175.1 133.5 200.3



#62
4-Bromofluorobenzene
Concen: 48.989 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 95 Resp: 154346
Ion Ratio Lower Upper
95 100
174 66.3 0.0 132.6
176 63.4 0.0 128.0

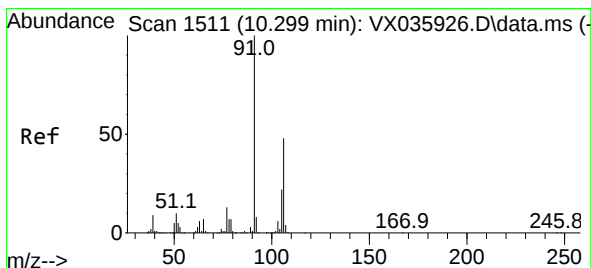
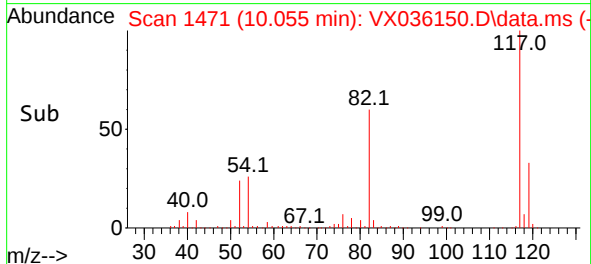
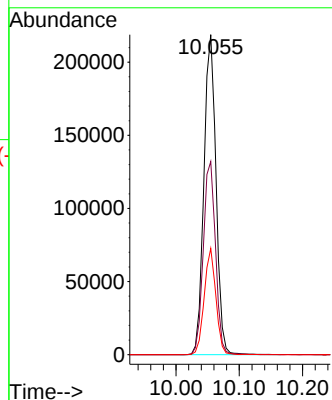
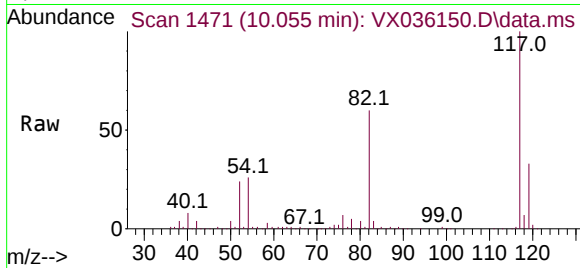




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

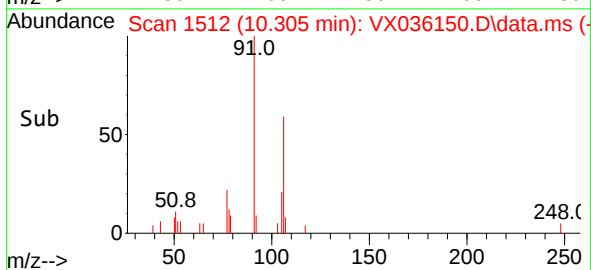
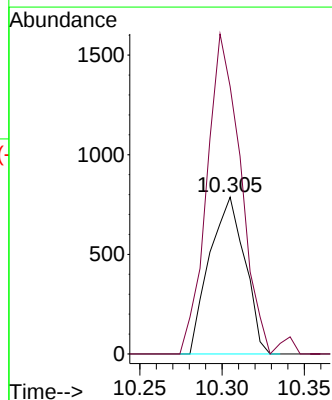
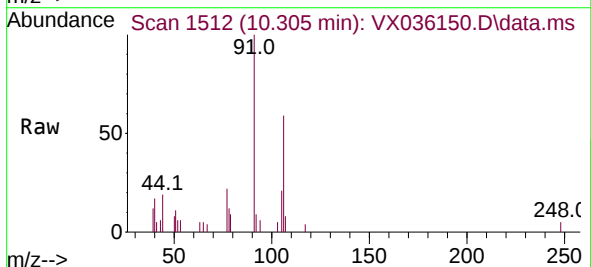
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

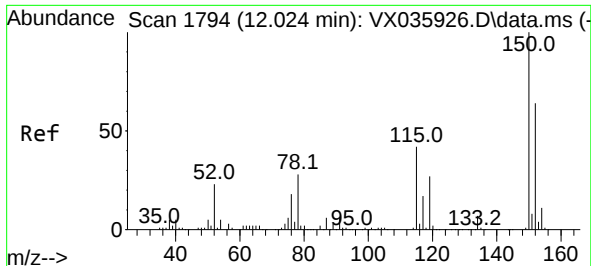
Tgt Ion:117 Resp: 292178
Ion Ratio Lower Upper
117 100
82 60.4 46.6 69.8
119 33.2 25.4 38.2



#68
m/p-Xylenes
Concen: 0.297 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion:106 Resp: 1181
Ion Ratio Lower Upper
106 100
91 194.8 169.8 254.8

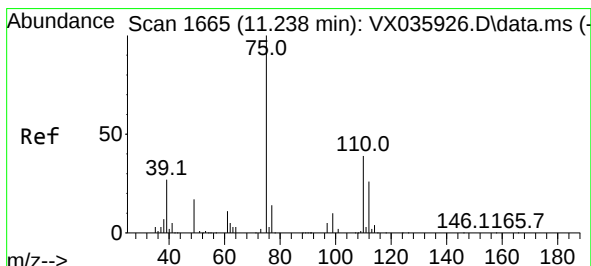
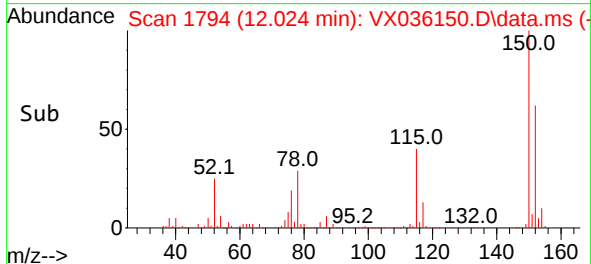
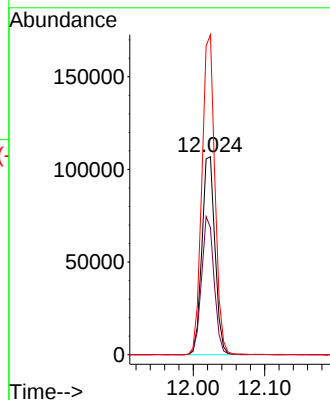
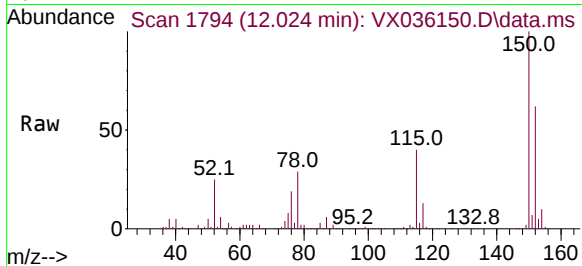




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

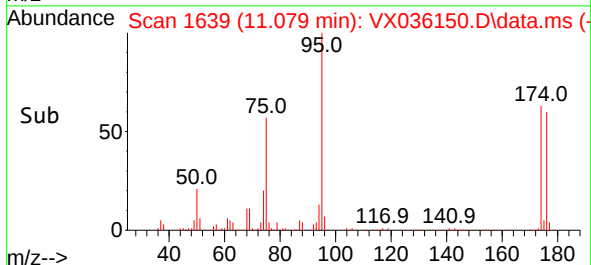
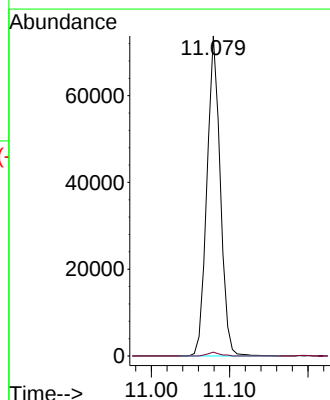
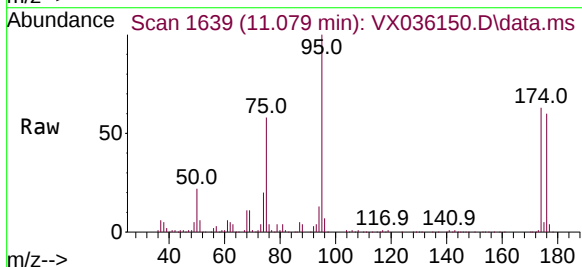
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

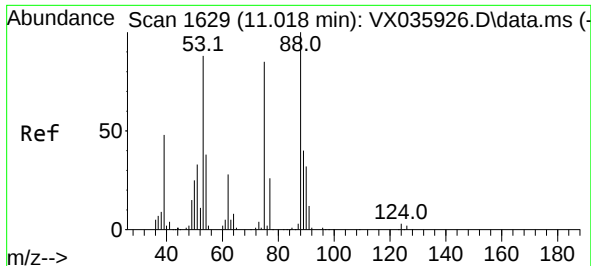
Tgt Ion:152 Resp: 135852
Ion Ratio Lower Upper
152 100
115 67.2 45.5 136.5
150 160.6 0.0 345.2



#76
1,2,3-Trichloropropane
Concen: 28.401 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 75 Resp: 87023
Ion Ratio Lower Upper
75 100
77 1.1 21.4 64.2#

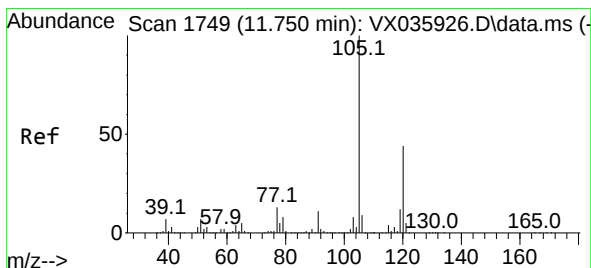
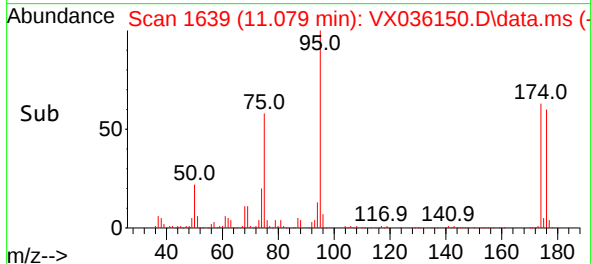
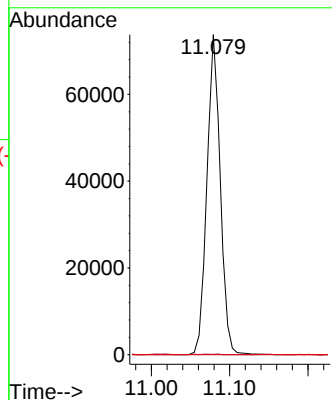
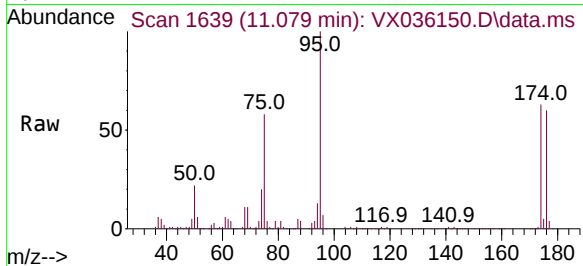




#81
trans-1,4-Dichloro-2-butene
Concen: 95.664 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

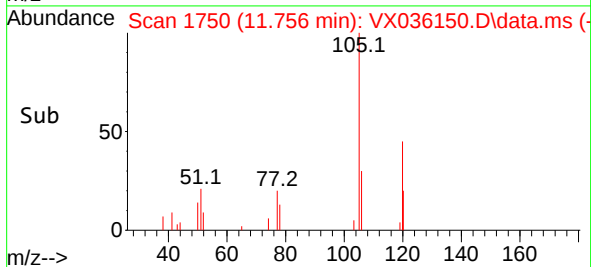
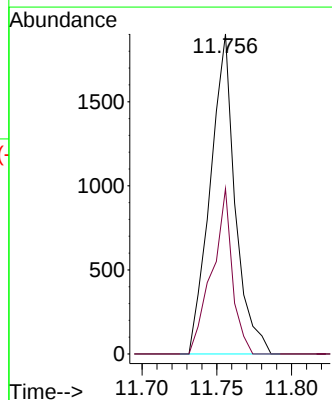
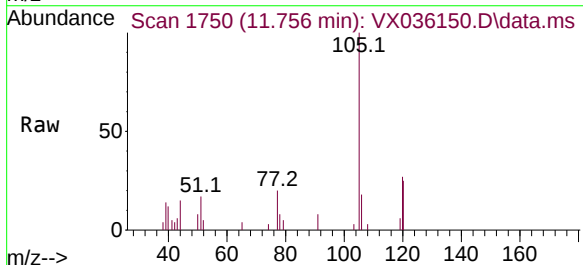
Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

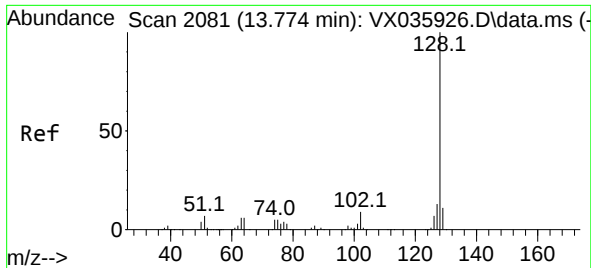
Tgt Ion: 75 Resp: 87023
Ion Ratio Lower Upper
75 100
53 0.2 95.2 142.8#
89 0.0 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.258 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Tgt Ion: 105 Resp: 2202
Ion Ratio Lower Upper
105 100
120 42.0 21.6 64.8





#95
Naphthalene
Concen: 4.528 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036150.D
Acq: 13 Jun 2023 17:36

Instrument :
MSVOA_X
ClientSampleId :
AUD-2012

Tgt Ion:128 Resp: 40828
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.9 8.7 13.1

