

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046889.D
 Acq On : 03 Jul 2025 15:40
 Operator : JC/MD
 Sample : Q2509-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0110-0111

Quant Time: Jul 07 08:42:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

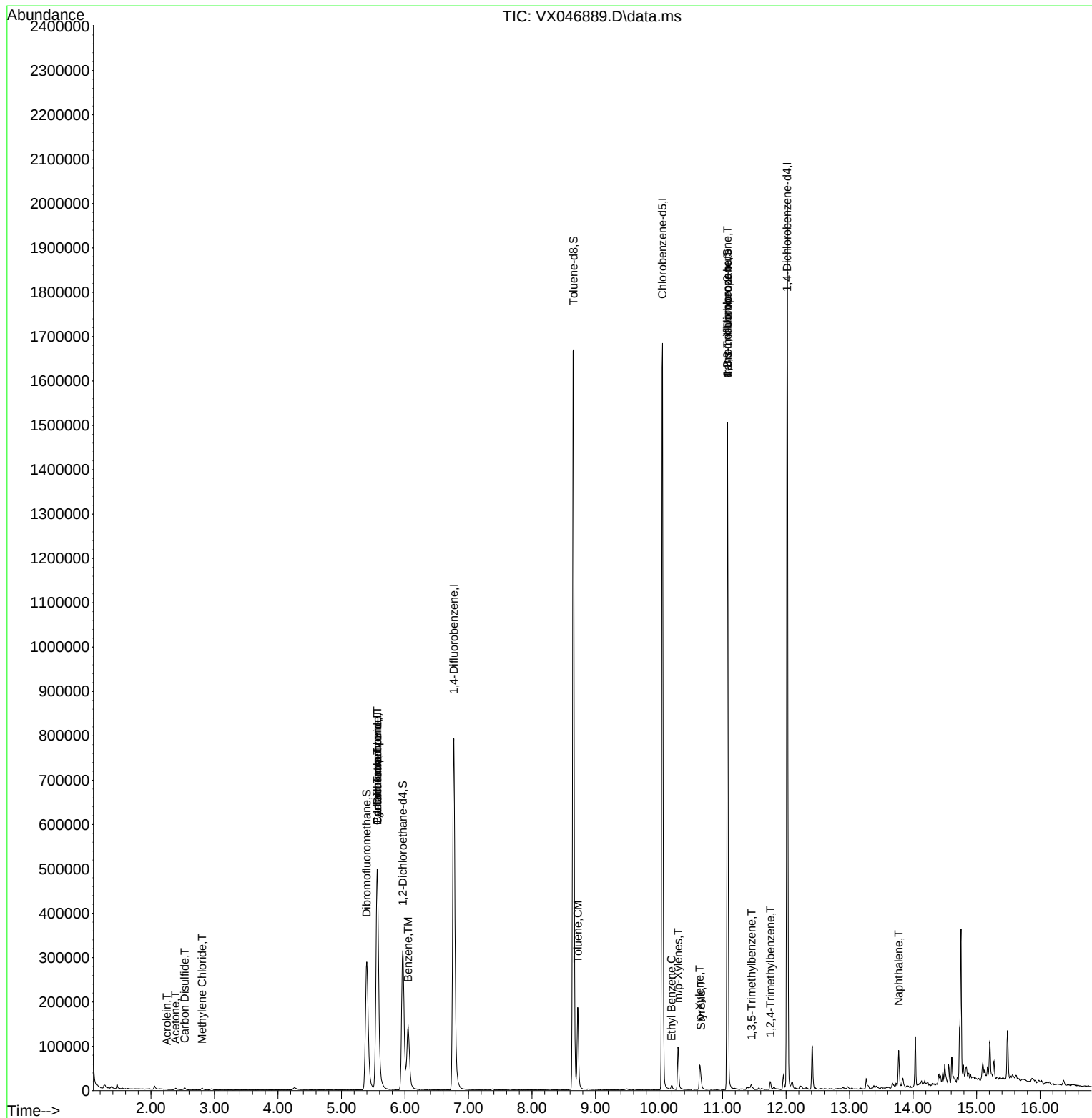
Internal Standards						
1) Pentafluorobenzene	5.562	168	508050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	872022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	792205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	400252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	325882	48.553	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.100%		
35) Dibromofluoromethane	5.397	113	277199	46.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.660%		
50) Toluene-d8	8.653	98	1039438	49.771	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.540%		
62) 4-Bromofluorobenzene	11.079	95	399429	50.323	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.640%		
Target Compounds					Qvalue	
13) Acrolein	2.252	56	70	2.977	ug/l #	1
16) Acetone	2.386	43	4524	2.170	ug/l #	77
17) Carbon Disulfide	2.532	76	5341	0.370	ug/l	99
20) Methylene Chloride	2.806	84	1713	0.278	ug/l #	86
31) Cyclohexane	5.562	56	10683	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	40549	5.077	ug/l #	50
38) Carbon Tetrachloride	5.562	117	51269	6.072	ug/l #	16
40) Benzene	6.050	78	181555	7.516	ug/l	100
52) Toluene	8.720	92	72708	4.857	ug/l	100
67) Ethyl Benzene	10.195	91	5920	0.202	ug/l	97
68) m/p-Xylenes	10.299	106	23619	2.137	ug/l	97
69) o-Xylene	10.640	106	12737	1.193	ug/l	86
70) Styrene	10.659	104	11068	0.606	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	200353	32.396	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.457	105	5419	0.237	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	200353	86.935	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	9429	0.408	ug/l	95
95) Naphthalene	13.774	128	52030	2.288	ug/l	99

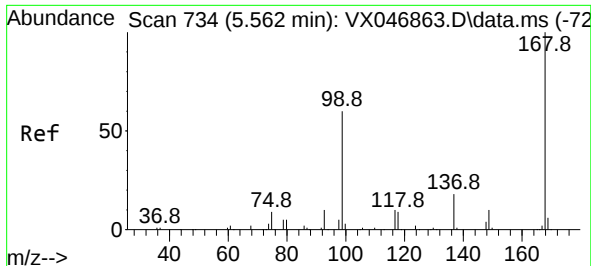
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

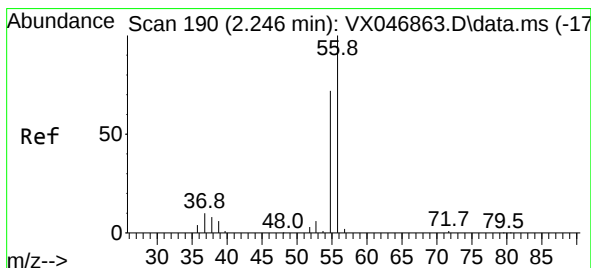
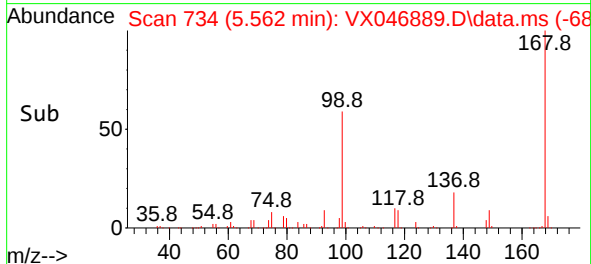
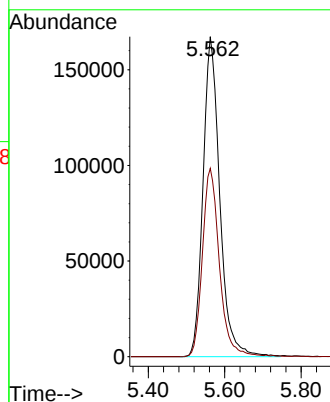
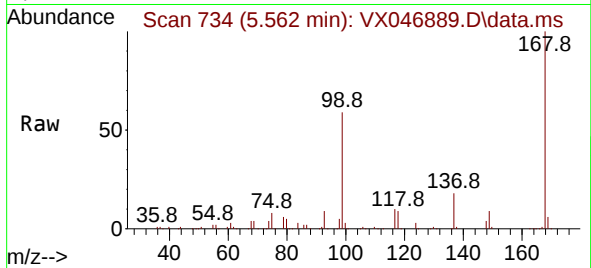




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

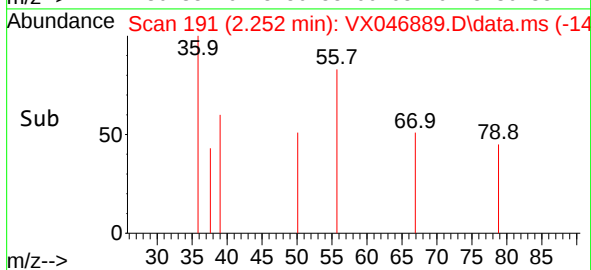
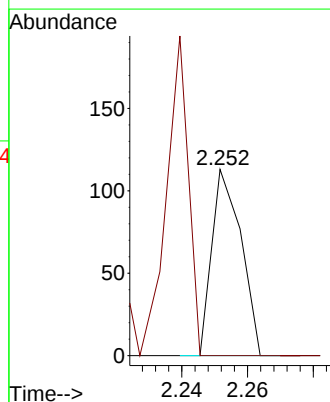
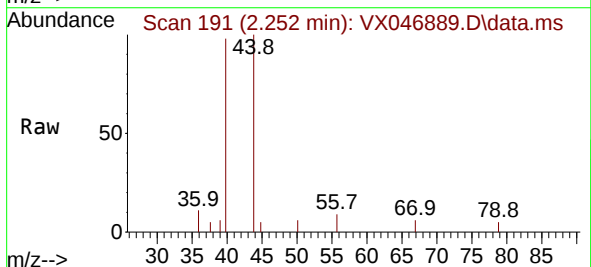
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0110-0111

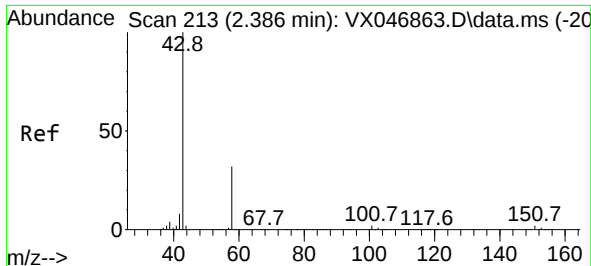
Tgt Ion:168 Resp: 508050
Ion Ratio Lower Upper
168 100
99 58.9 48.8 73.2



#13
Acrolein
Concen: 2.977 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 188.6 55.5 83.3#

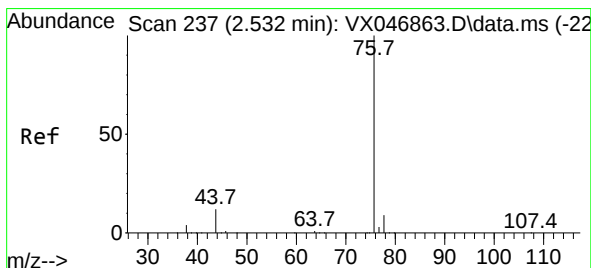
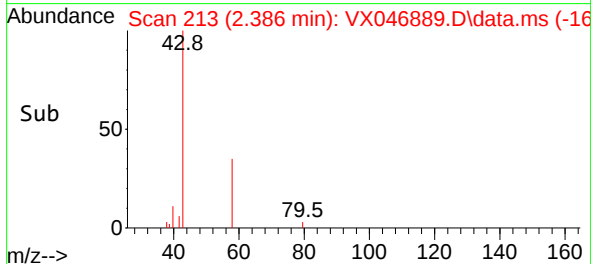
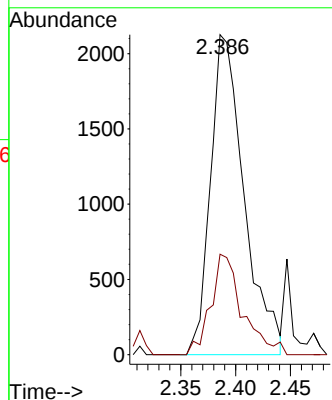
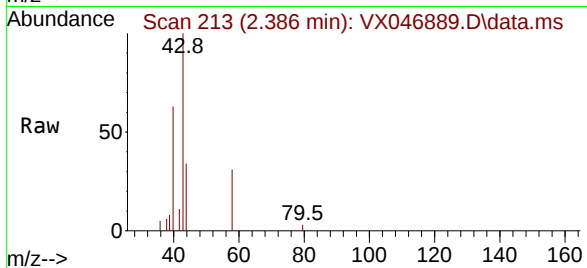




#16
Acetone
Concen: 2.170 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

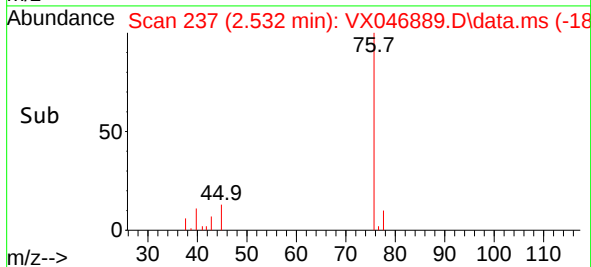
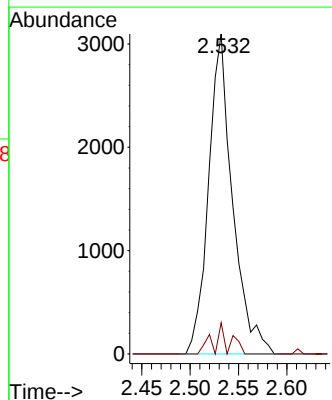
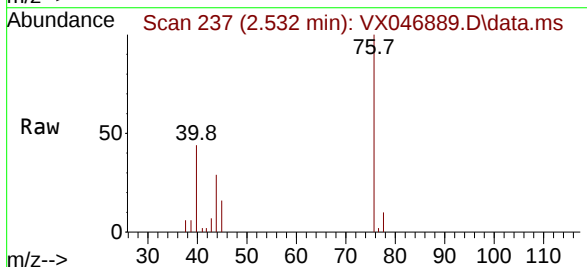
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0110-0111

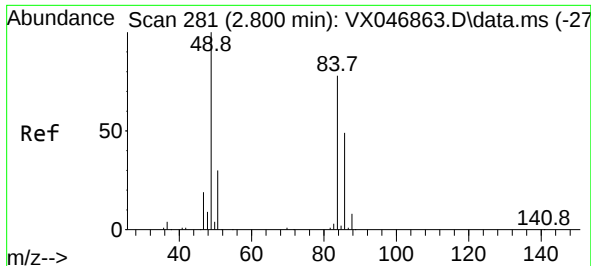
Tgt Ion: 43 Resp: 4524
Ion Ratio Lower Upper
43 100
58 44.9 25.8 38.6#



#17
Carbon Disulfide
Concen: 0.370 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion: 76 Resp: 5341
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

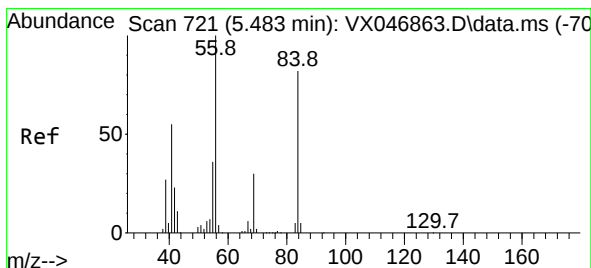
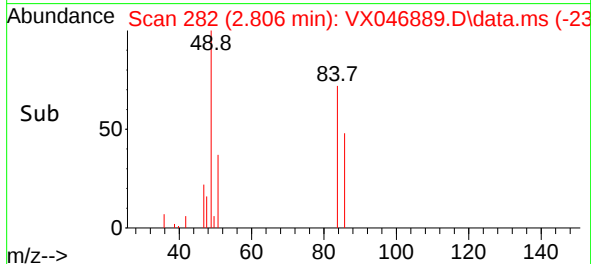
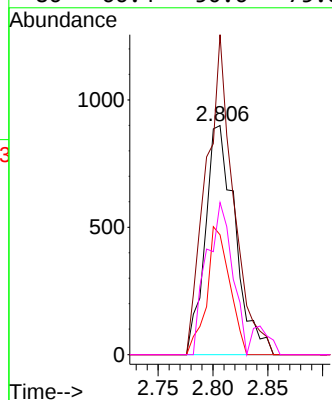
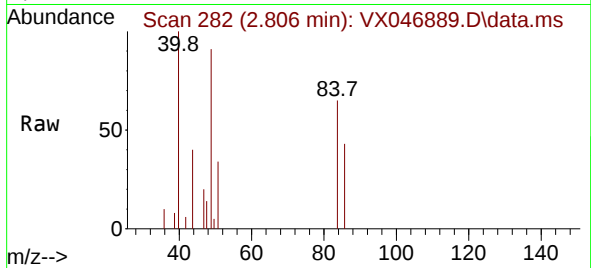




#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

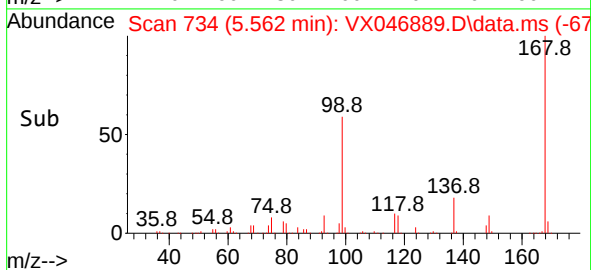
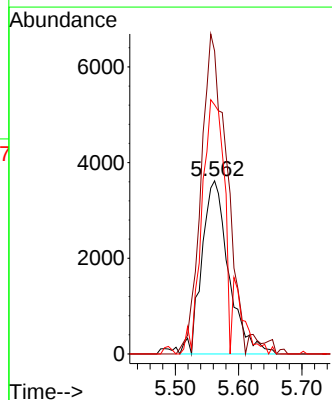
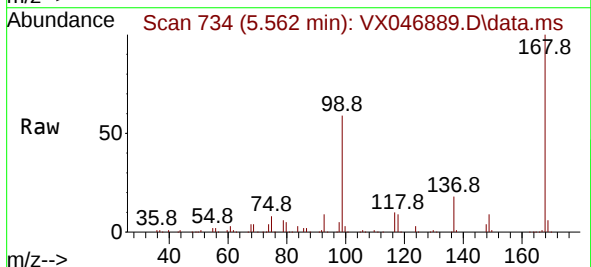
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0110-0111

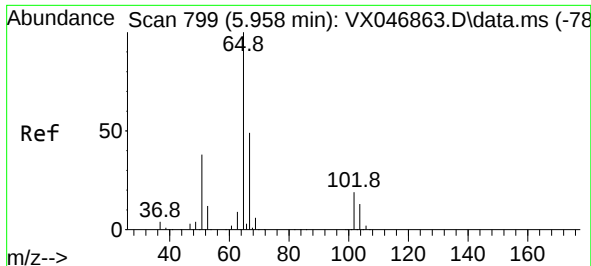
Tgt Ion: 84 Resp: 1713
Ion Ratio Lower Upper
84 100
49 147.5 102.8 154.2
51 52.3 31.1 46.7#
86 66.4 50.6 75.8



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion: 56 Resp: 10683
Ion Ratio Lower Upper
56 100
69 172.4 24.0 36.0#
84 143.9 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 48.553 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046889.D

Acq: 03 Jul 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

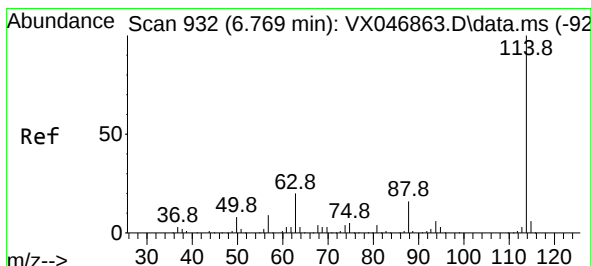
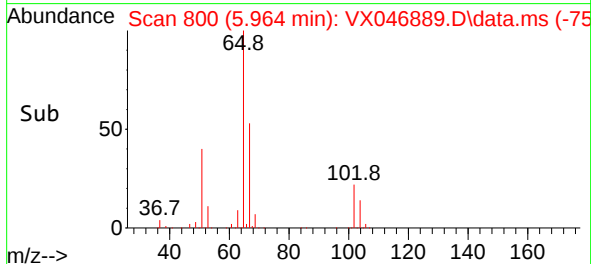
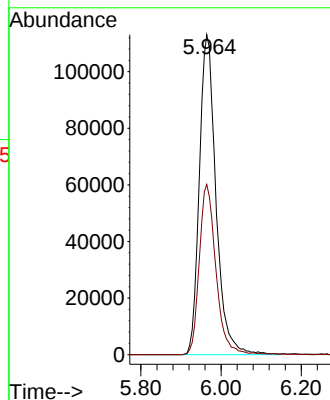
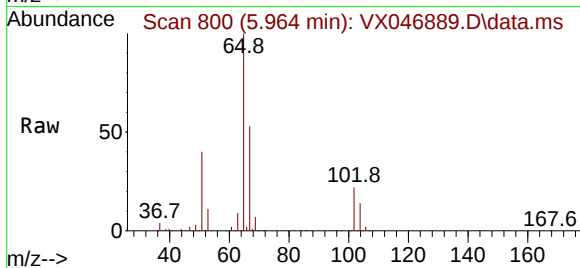
AUD-25-0110-0111

Tgt Ion: 65 Resp: 325882

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046889.D

Acq: 03 Jul 2025 15:40

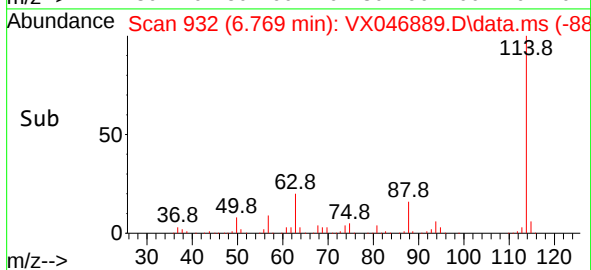
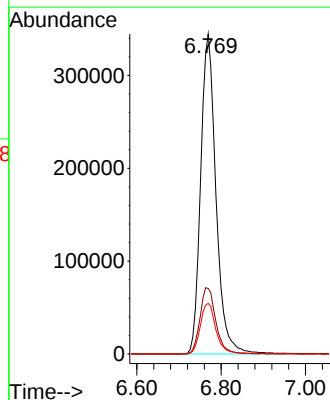
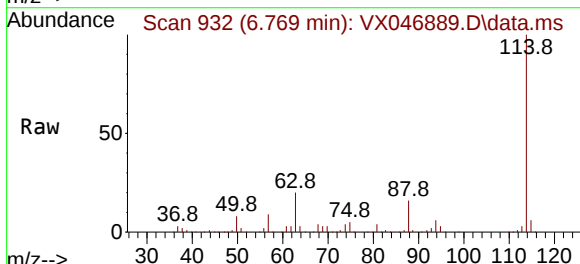
Tgt Ion: 114 Resp: 872022

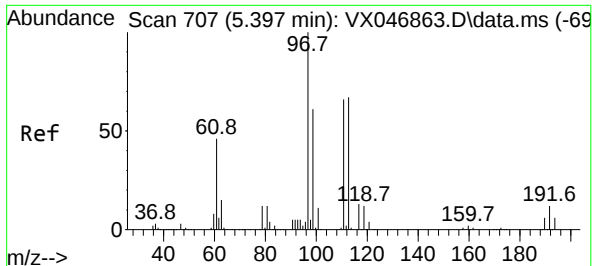
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

88 15.8 0.0 31.0

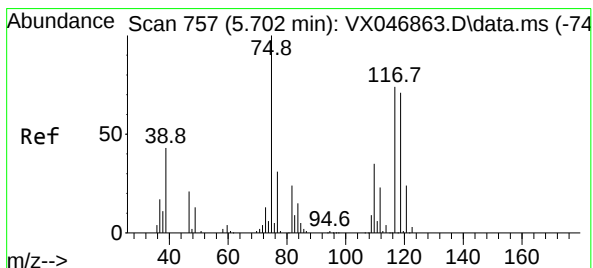
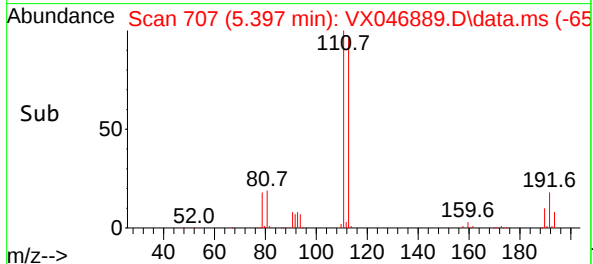
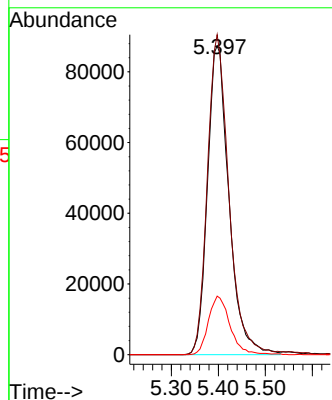
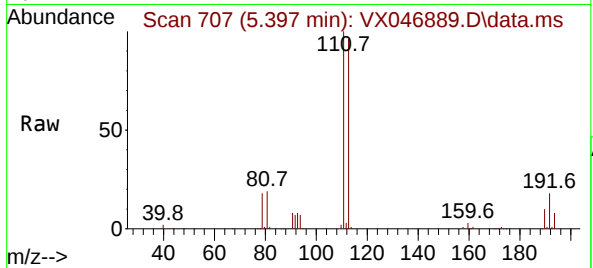




#35
Dibromofluoromethane
Concen: 46.830 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

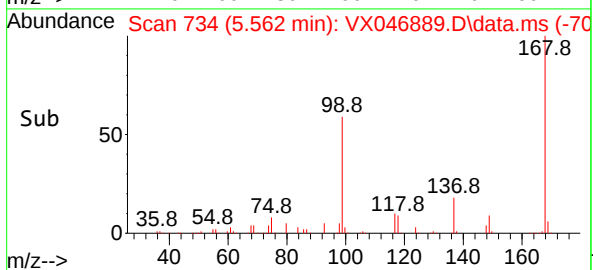
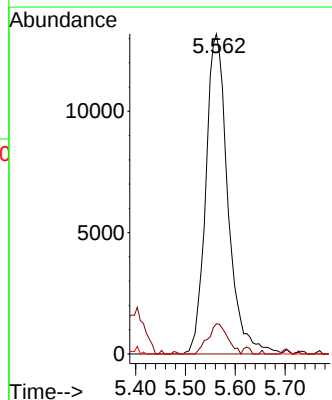
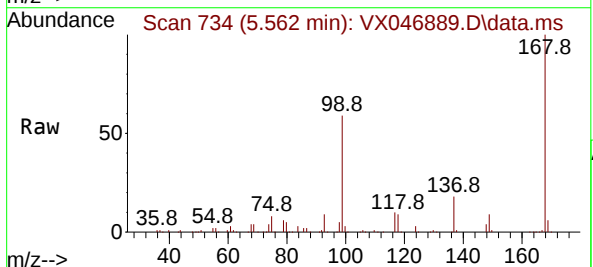
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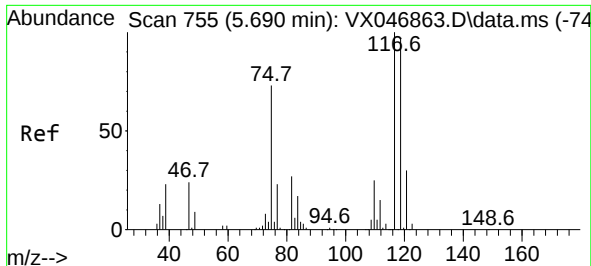
Tgt Ion:113 Resp: 277199
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 19.0 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

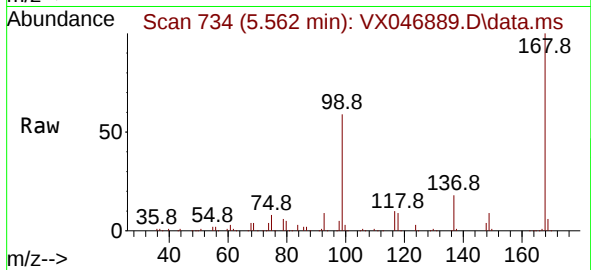
Tgt Ion: 75 Resp: 40549
Ion Ratio Lower Upper
75 100
110 8.3 17.3 51.9#
77 0.0 24.2 36.4#



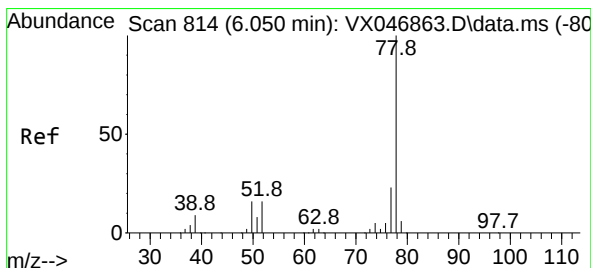
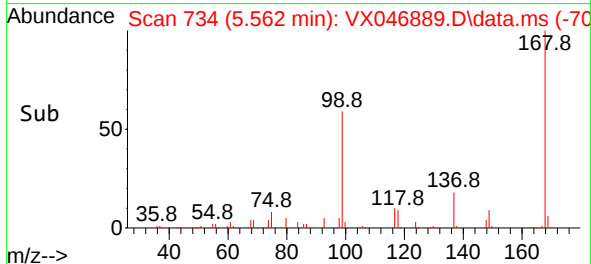
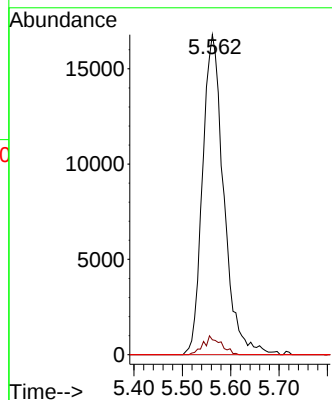


#38
Carbon Tetrachloride
Concen: 6.072 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
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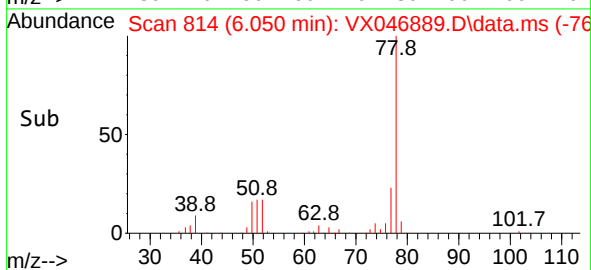
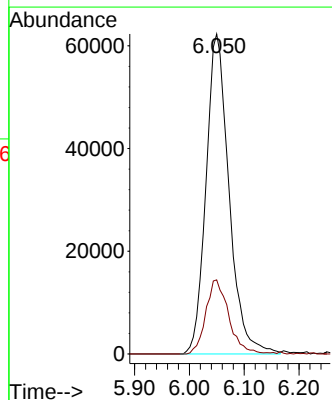
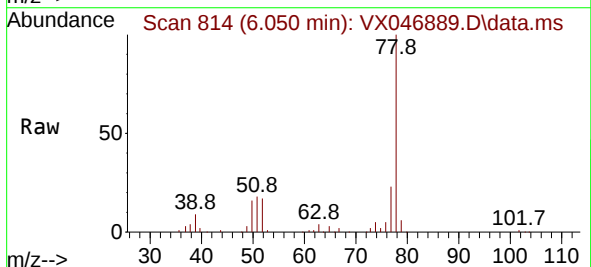


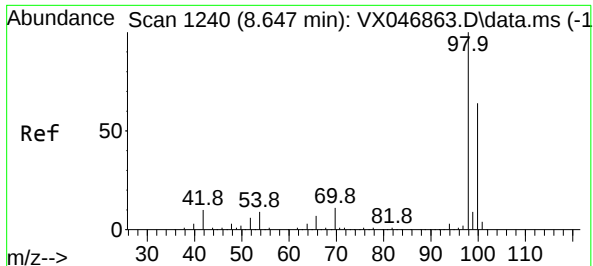
Tgt Ion:117 Resp: 51269
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 7.516 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion: 78 Resp: 181555
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1





#50

Toluene-d8

Concen: 49.771 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046889.D

Acq: 03 Jul 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

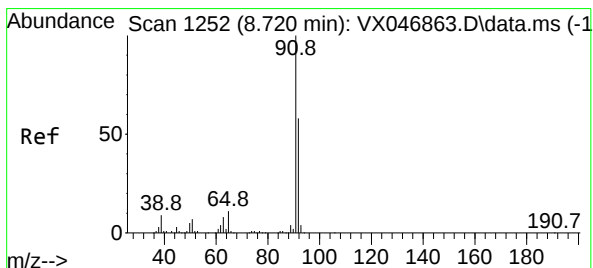
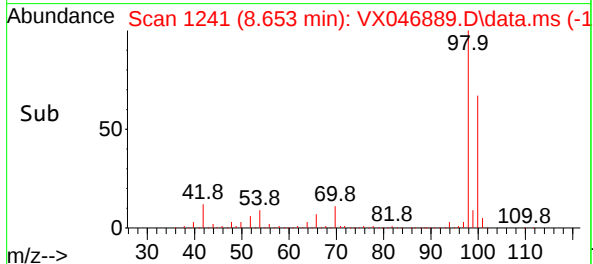
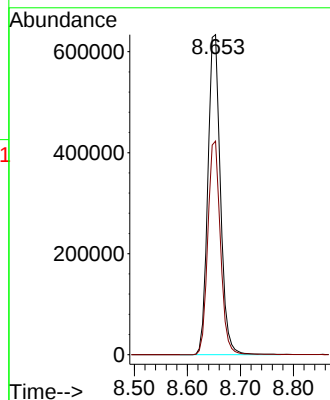
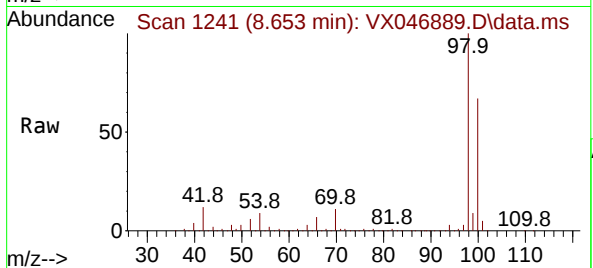
AUD-25-0110-0111

Tgt Ion: 98 Resp: 1039438

Ion Ratio Lower Upper

98 100

100 67.1 53.0 79.6



#52

Toluene

Concen: 4.857 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX046889.D

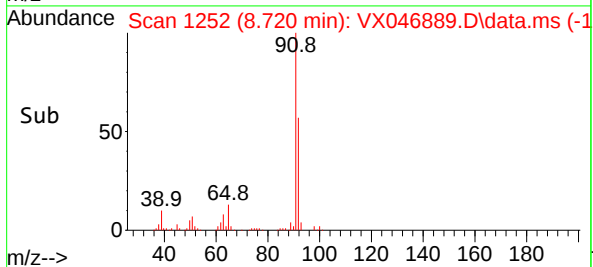
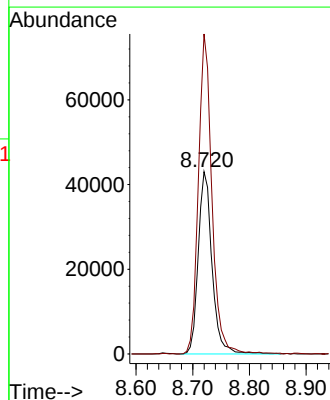
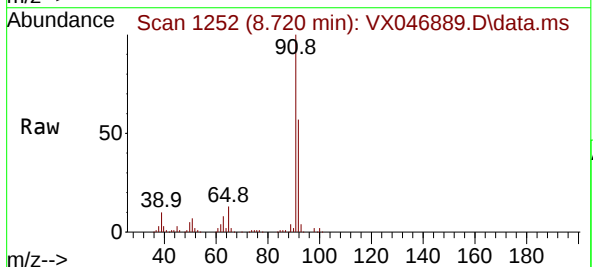
Acq: 03 Jul 2025 15:40

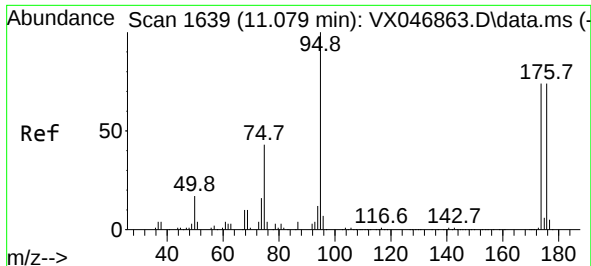
Tgt Ion: 92 Resp: 72708

Ion Ratio Lower Upper

92 100

91 172.3 137.9 206.9

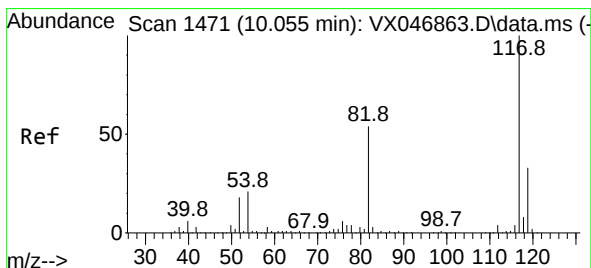
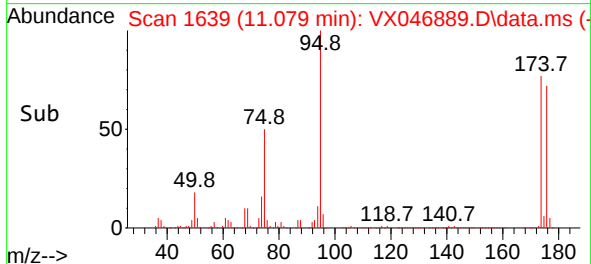
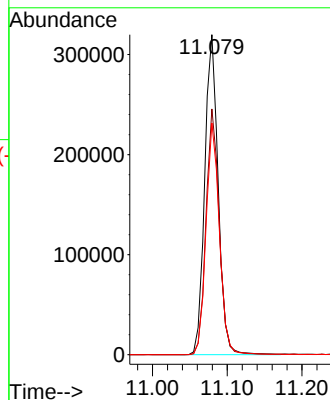
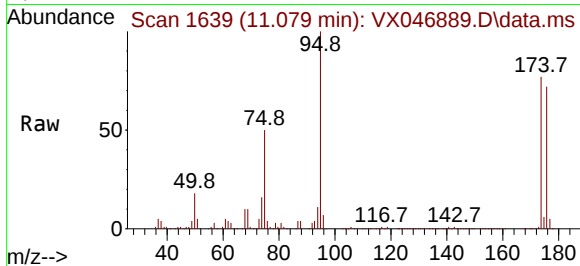




#62
4-Bromofluorobenzene
Concen: 50.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

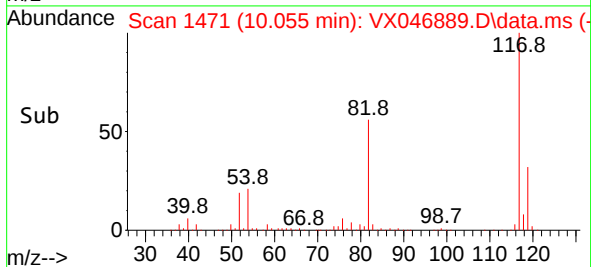
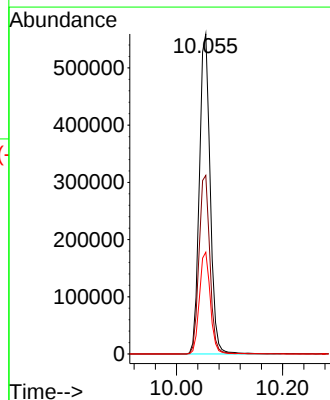
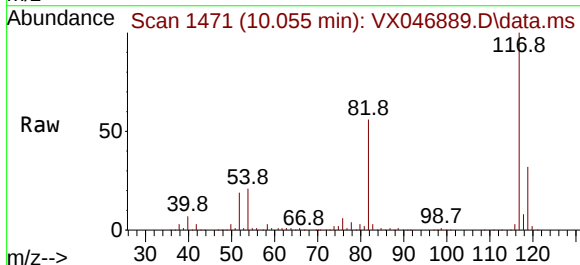
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0110-0111

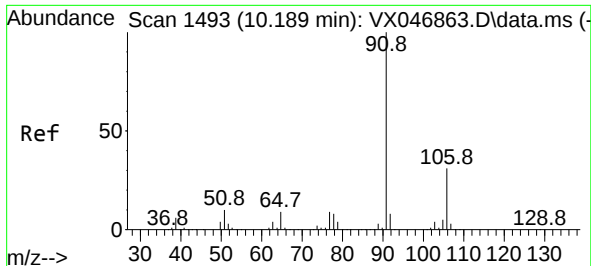
Tgt Ion: 95 Resp: 399429
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.0
176 72.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion: 117 Resp: 792205
Ion Ratio Lower Upper
117 100
82 55.8 43.3 64.9
119 31.8 26.4 39.6





#67

Ethyl Benzene

Concen: 0.202 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046889.D

Acq: 03 Jul 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

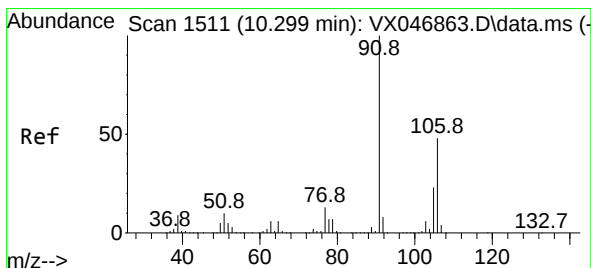
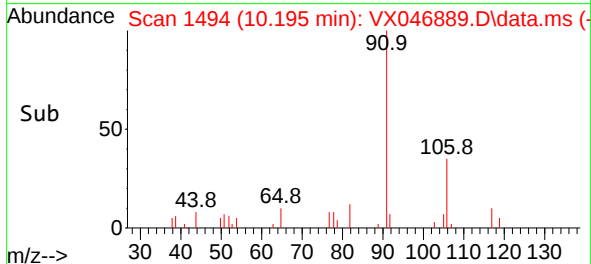
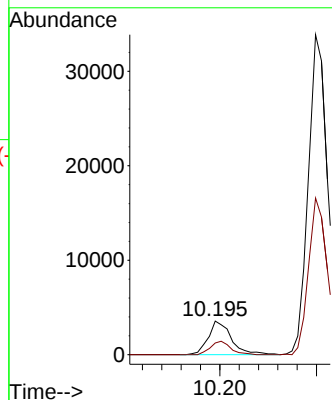
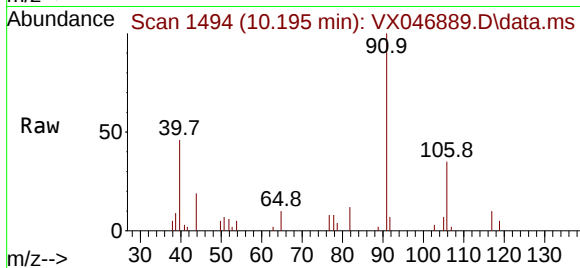
AUD-25-0110-0111

Tgt Ion: 91 Resp: 5920

Ion Ratio Lower Upper

91 100

106 32.3 24.4 36.6



#68

m/p-Xylenes

Concen: 2.137 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046889.D

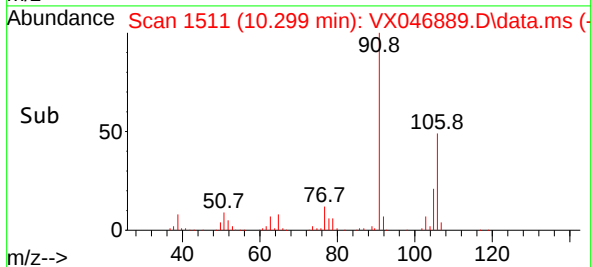
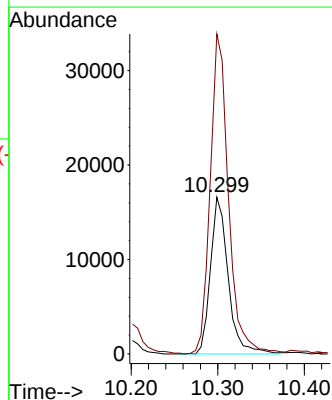
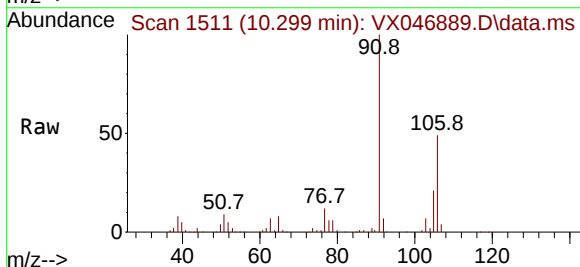
Acq: 03 Jul 2025 15:40

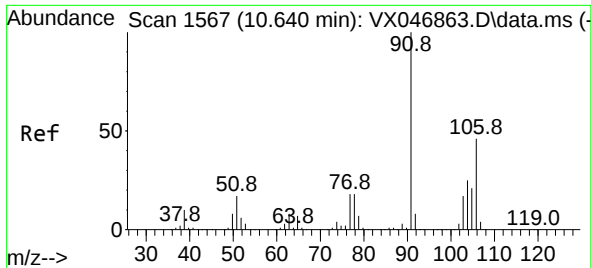
Tgt Ion: 106 Resp: 23619

Ion Ratio Lower Upper

106 100

91 210.3 164.6 246.8

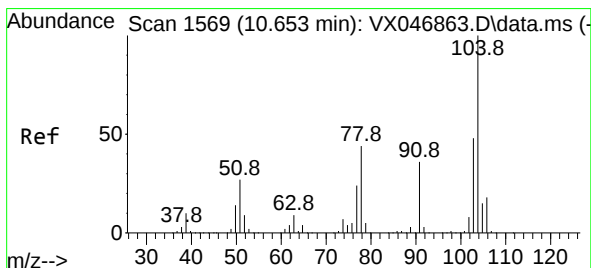
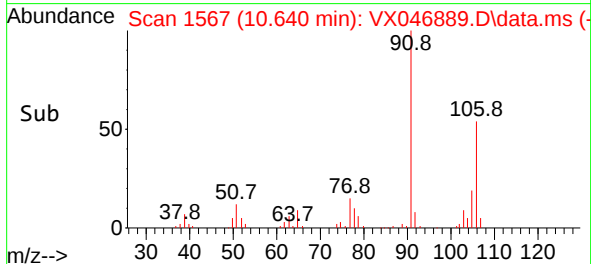
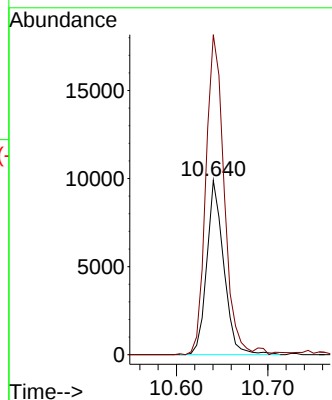
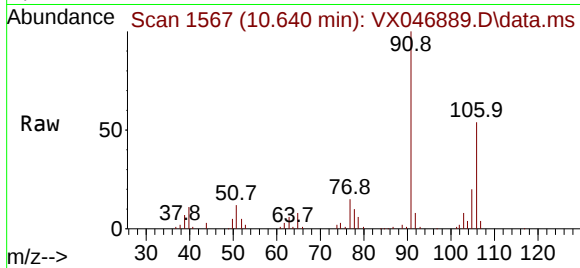




#69
o-Xylene
Concen: 1.193 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

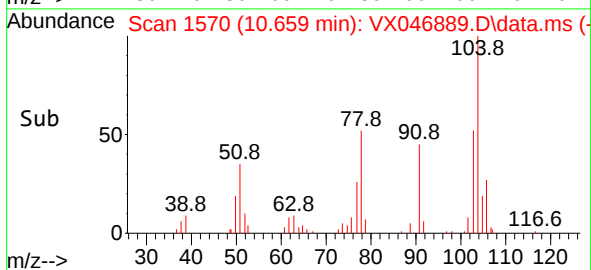
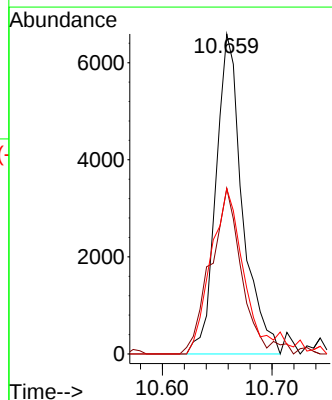
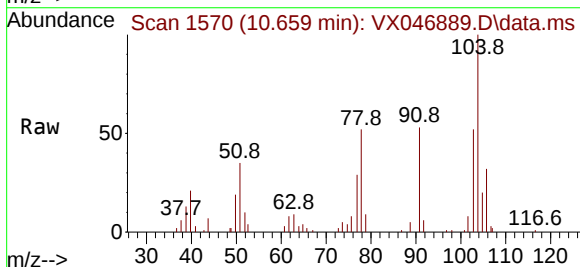
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0110-0111

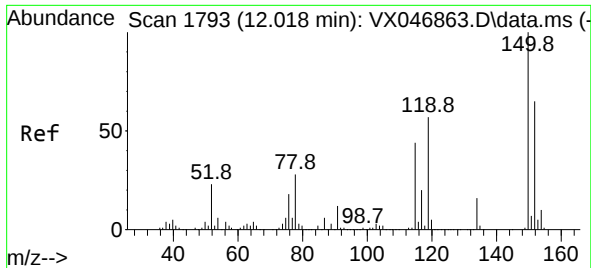
Tgt Ion:106 Resp: 12737
Ion Ratio Lower Upper
106 100
91 196.2 109.5 328.5



#70
Styrene
Concen: 0.606 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion:104 Resp: 11068
Ion Ratio Lower Upper
104 100
78 61.4 40.3 60.5#
103 67.9 42.8 64.2#

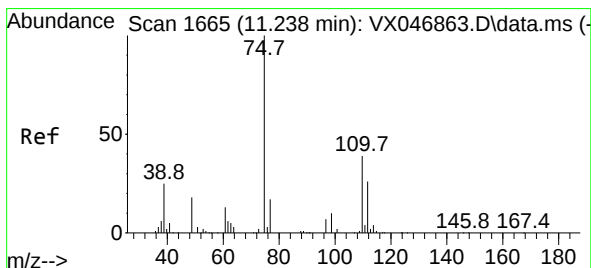
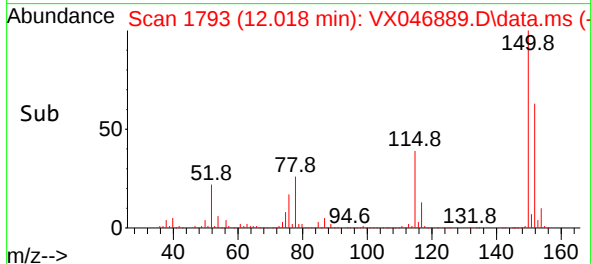
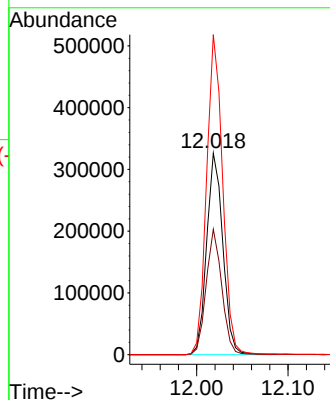
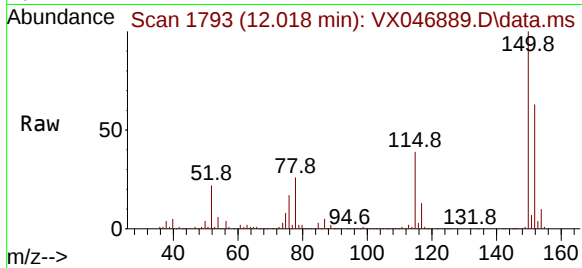




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046889.D
 Acq: 03 Jul 2025 15:40

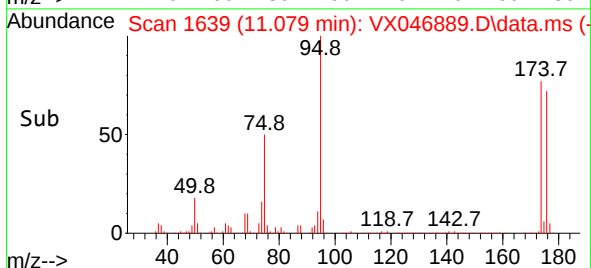
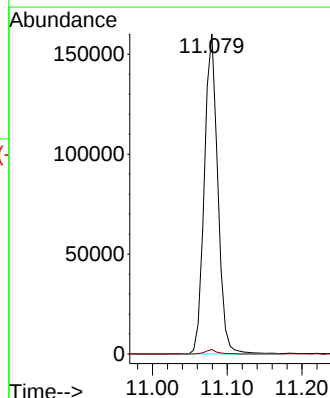
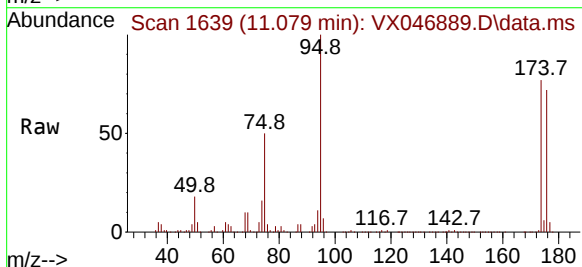
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0110-0111

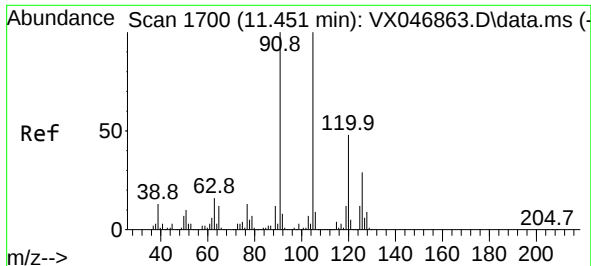
Tgt Ion:152 Resp: 400252
 Ion Ratio Lower Upper
 152 100
 115 60.4 42.4 127.1
 150 157.5 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.396 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046889.D
 Acq: 03 Jul 2025 15:40

Tgt Ion: 75 Resp: 200353
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.6 61.8#

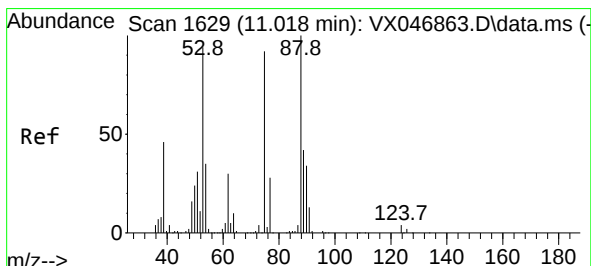
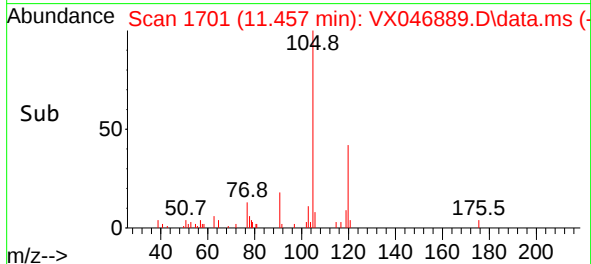
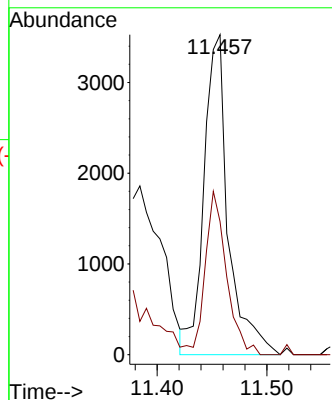
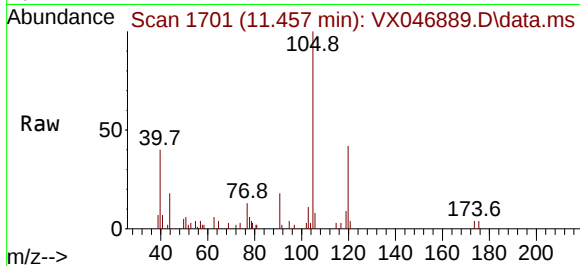




#80
1,3,5-Trimethylbenzene
Concen: 0.237 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

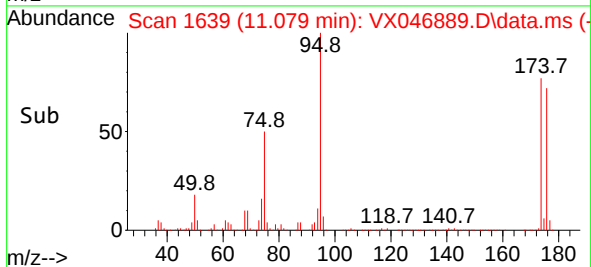
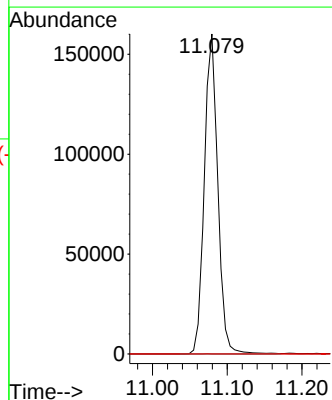
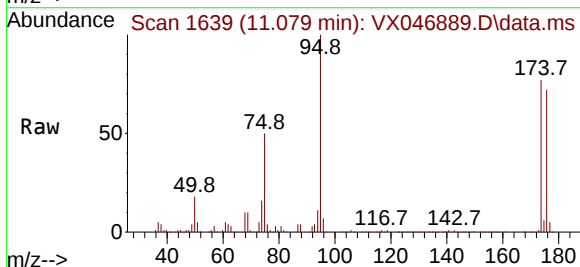
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0110-0111

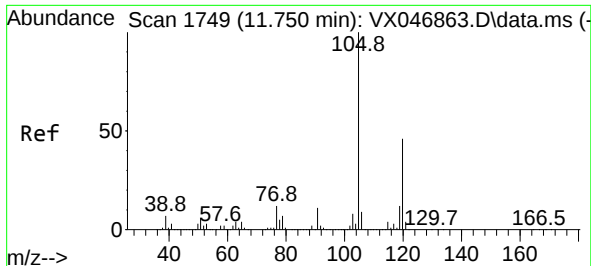
Tgt Ion:105 Resp: 5419
Ion Ratio Lower Upper
105 100
120 43.8 24.1 72.4



#81
trans-1,4-Dichloro-2-butene
Concen: 86.935 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion: 75 Resp: 200353
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

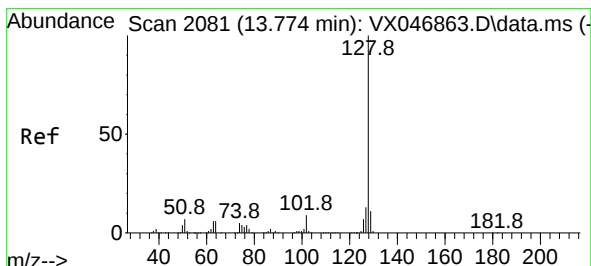
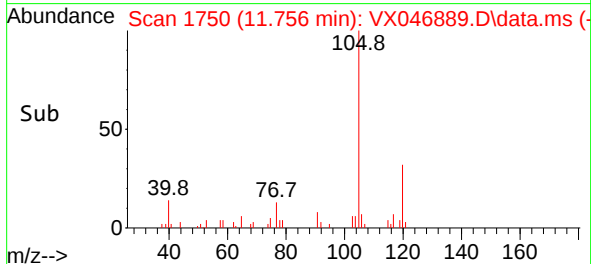
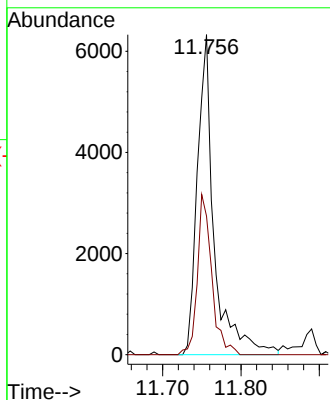
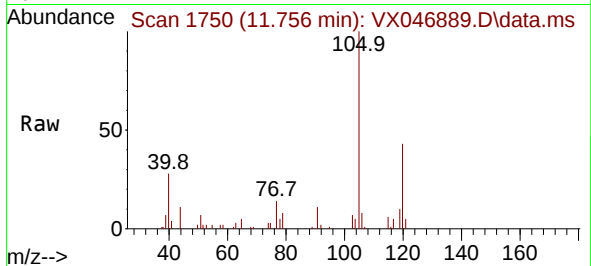




#84
1,2,4-Trimethylbenzene
Concen: 0.408 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0110-0111

Tgt Ion:105 Resp: 9429
Ion Ratio Lower Upper
105 100
120 42.9 23.3 69.8



#95
Naphthalene
Concen: 2.288 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046889.D
Acq: 03 Jul 2025 15:40

Tgt Ion:128 Resp: 52030
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.4 8.6 13.0

