

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087190.D
 Acq On : 26 Jun 2025 13:26
 Operator : JC\MD
 Sample : Q2391-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1623

Quant Time: Jun 27 01:25:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

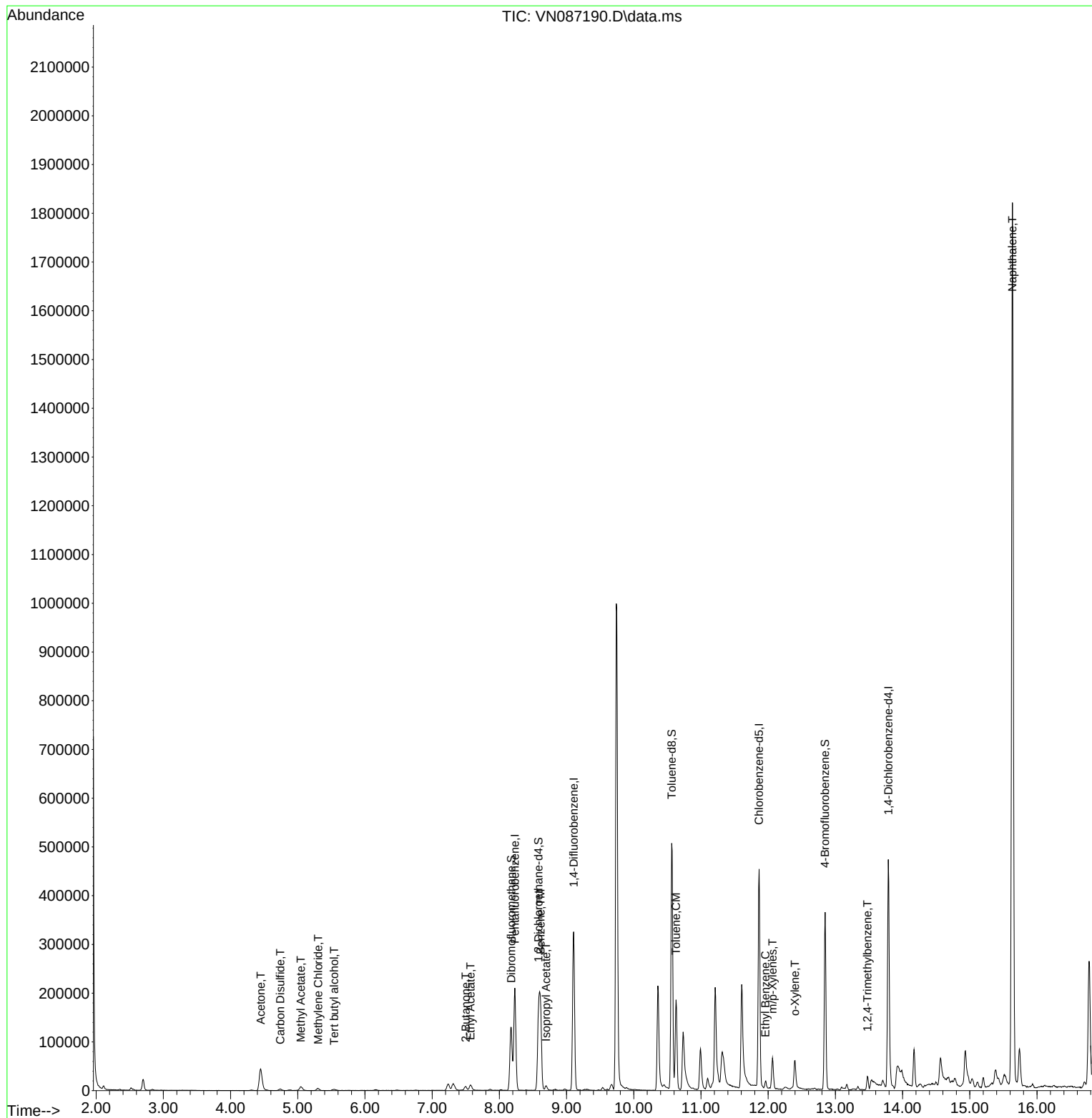
Internal Standards						
1) Pentafluorobenzene	8.230	168	155690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124799	59.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.740%			
35) Dibromofluoromethane	8.177	113	100979	58.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.200%			
50) Toluene-d8	10.565	98	360499	52.850	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.847	95	137636	54.310	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.620%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	5028	8.889	ug/l #	84
16) Acetone	4.448	43	89230	80.719	ug/l	93
17) Carbon Disulfide	4.742	76	5615	1.171	ug/l #	93
18) Methyl Acetate	5.047	43	16786	5.211	ug/l	99
20) Methylene Chloride	5.306	84	3844	1.857	ug/l #	81
25) 2-Butanone	7.500	43	14858	8.269	ug/l	92
37) Ethyl Acetate	7.571	43	18904	5.784	ug/l	97
40) Benzene	8.612	78	170422	20.298	ug/l	98
43) Isopropyl Acetate	8.694	43	11053	2.107	ug/l #	89
52) Toluene	10.629	92	83435	16.261	ug/l	98
67) Ethyl Benzene	11.959	91	10942	1.088	ug/l	97
68) m/p-Xylenes	12.065	106	20465	5.317	ug/l	99
69) o-Xylene	12.400	106	14869	4.033	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	15663	2.000	ug/l	99
95) Naphthalene	15.635	128	1708717	175.299	ug/l	100

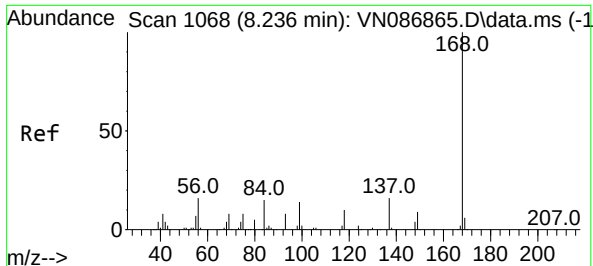
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

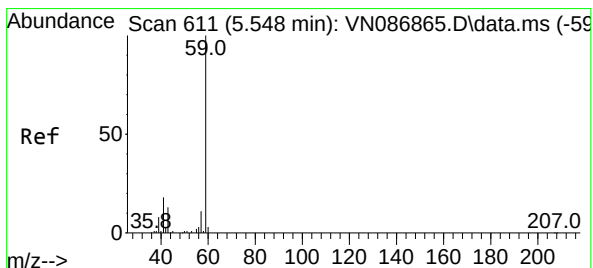
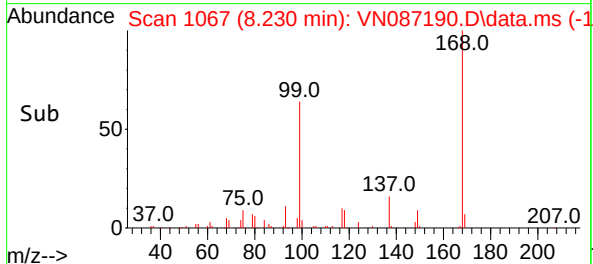
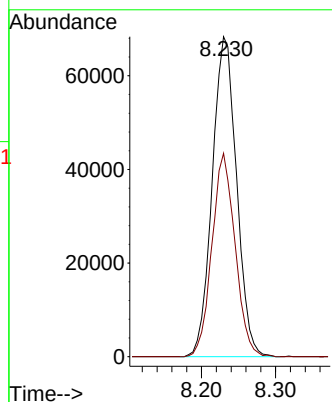
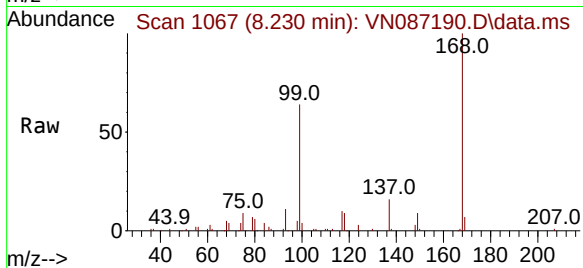




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

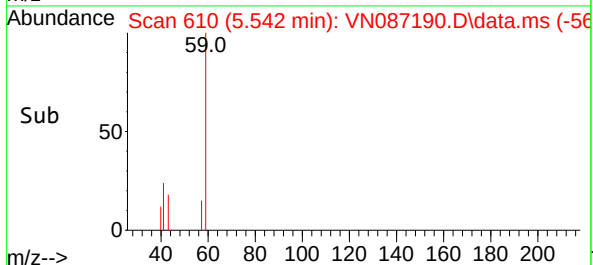
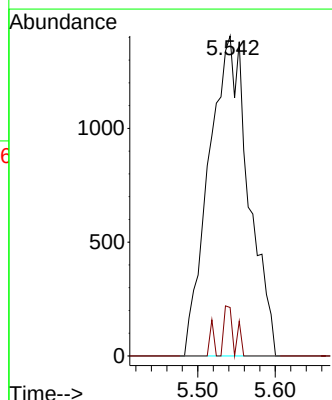
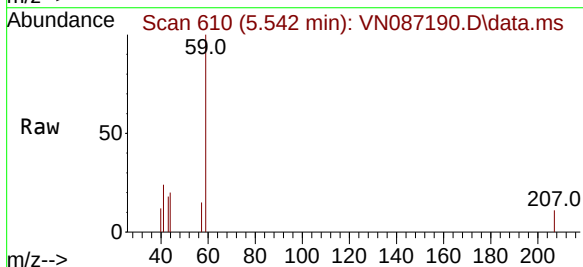
Instrument :
MSVOA_N
ClientSampleId :
AUD-1623

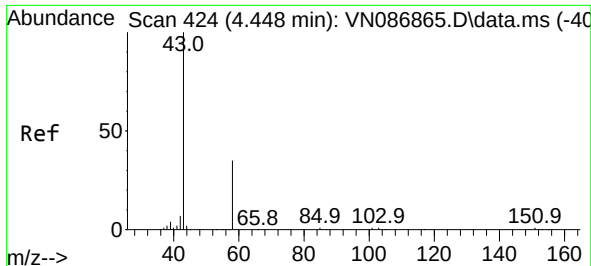
Tgt Ion:168 Resp: 155690
Ion Ratio Lower Upper
168 100
99 63.6 49.1 73.7



#11
Tert butyl alcohol
Concen: 8.889 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion: 59 Resp: 5028
Ion Ratio Lower Upper
59 100
57 4.1 8.1 12.1#





#16

Acetone

Concen: 80.719 ug/l

RT: 4.448 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN087190.D

Acq: 26 Jun 2025 13:26

Instrument :

MSVOA_N

ClientSampleId :

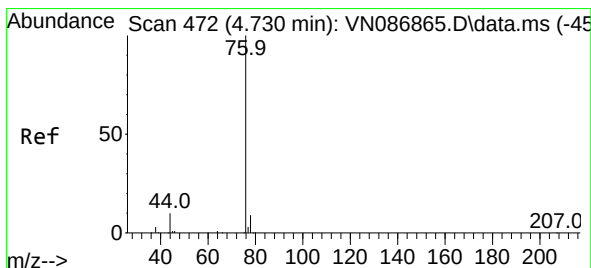
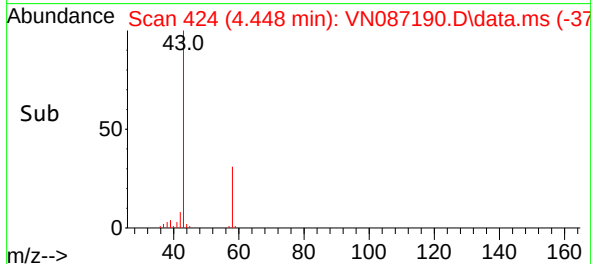
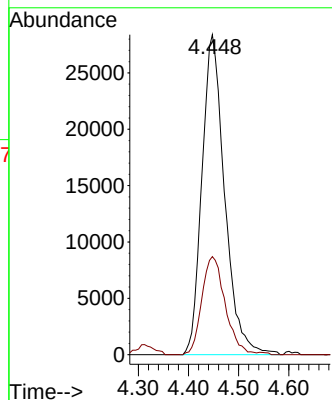
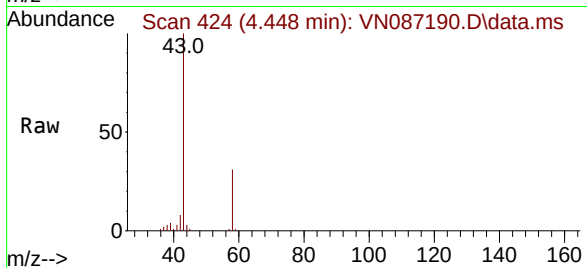
AUD-1623

Tgt Ion: 43 Resp: 89230

Ion Ratio Lower Upper

43 100

58 30.6 28.0 42.0



#17

Carbon Disulfide

Concen: 1.171 ug/l

RT: 4.742 min Scan# 474

Delta R.T. 0.012 min

Lab File: VN087190.D

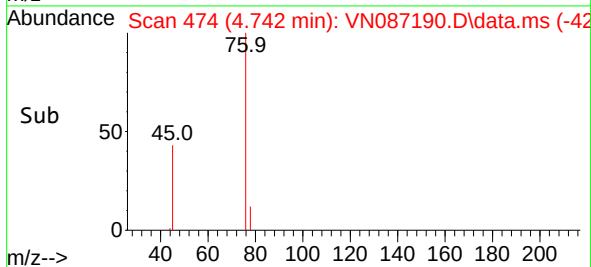
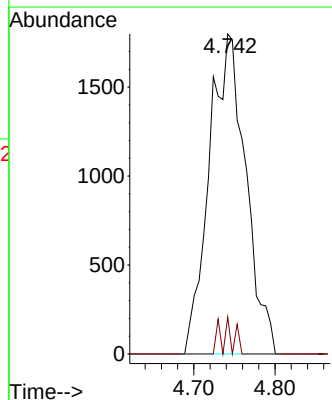
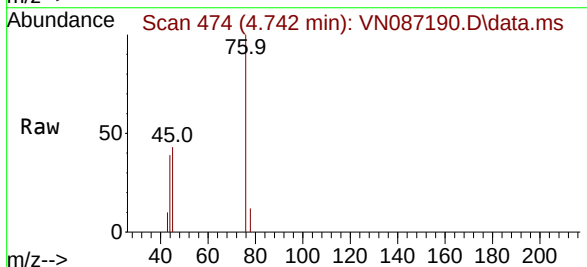
Acq: 26 Jun 2025 13:26

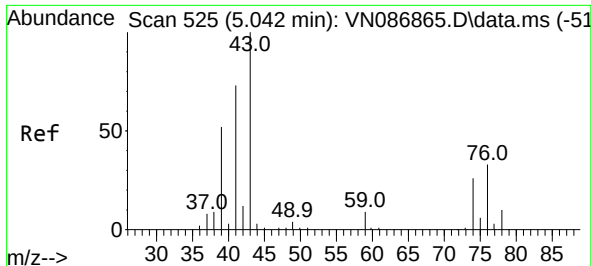
Tgt Ion: 76 Resp: 5615

Ion Ratio Lower Upper

76 100

78 11.6 7.3 10.9#

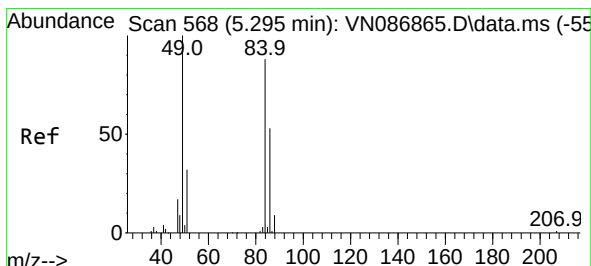
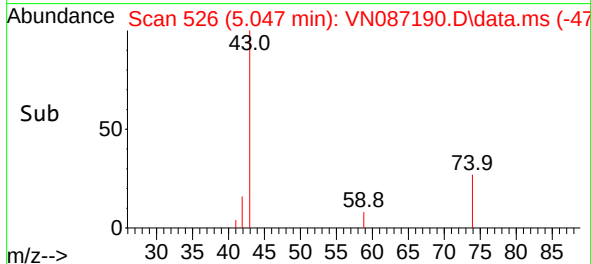
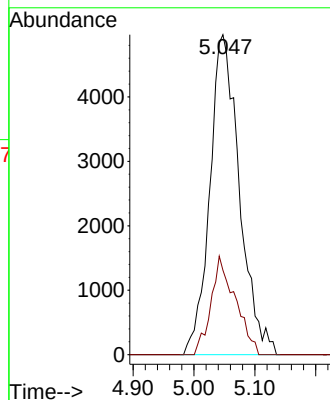
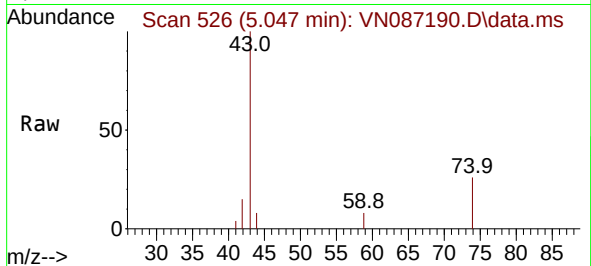




#18
Methyl Acetate
Concen: 5.211 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

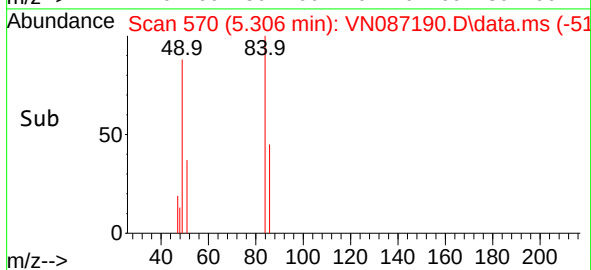
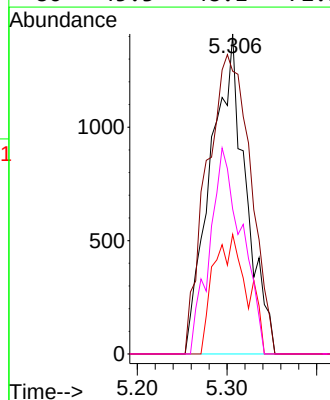
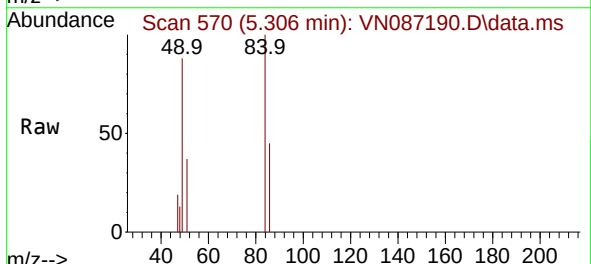
Instrument :
MSVOA_N
ClientSampleId :
AUD-1623

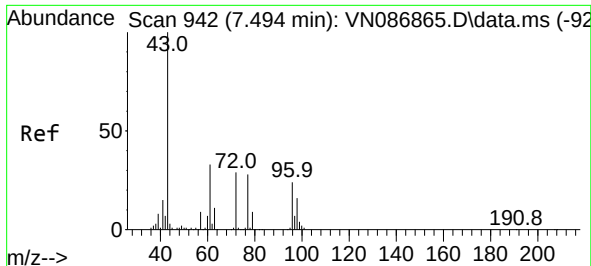
Tgt Ion: 43 Resp: 16786
Ion Ratio Lower Upper
43 100
74 25.4 20.7 31.1



#20
Methylene Chloride
Concen: 1.857 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion: 84 Resp: 3844
Ion Ratio Lower Upper
84 100
49 88.4 90.5 135.7#
51 37.3 28.5 42.7
86 45.3 48.1 72.1#

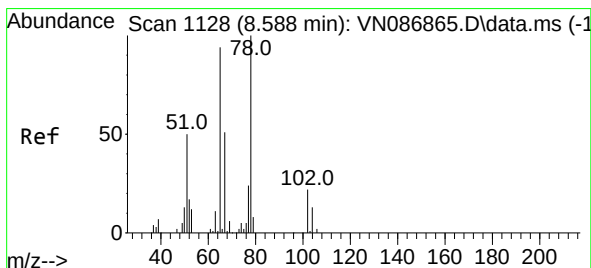
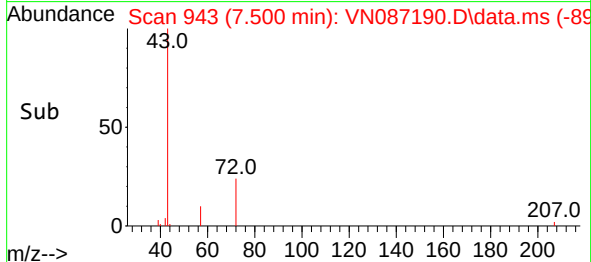
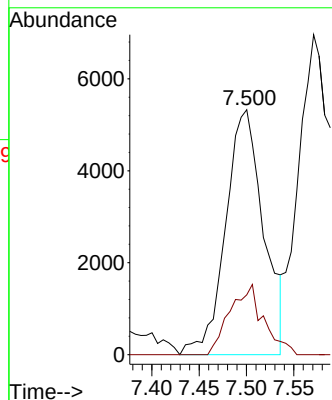
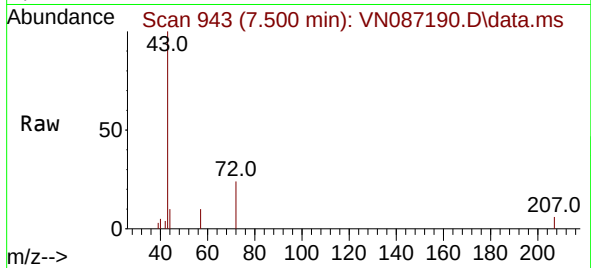




#25
2-Butanone
Concen: 8.269 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

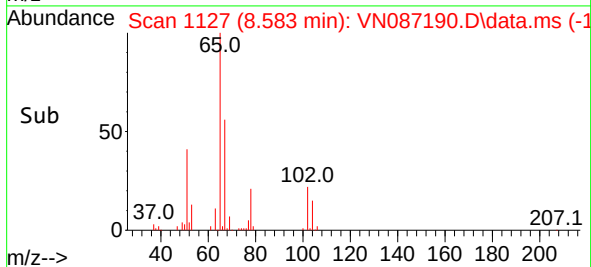
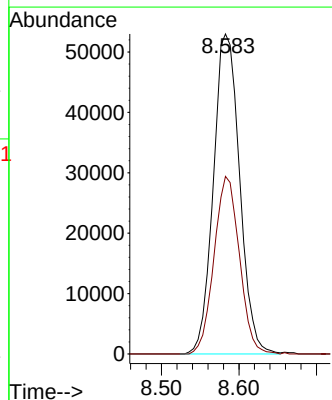
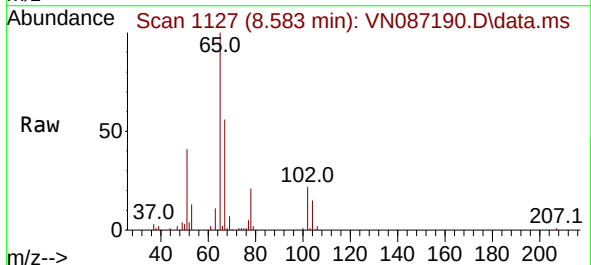
Instrument :
MSVOA_N
ClientSampleId :
AUD-1623

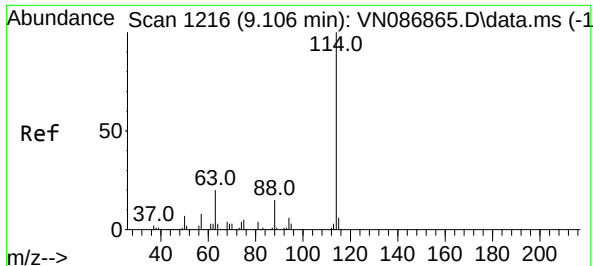
Tgt Ion: 43 Resp: 14858
Ion Ratio Lower Upper
43 100
72 24.5 23.0 34.6



#33
1,2-Dichloroethane-d4
Concen: 59.870 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion: 65 Resp: 124799
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.6

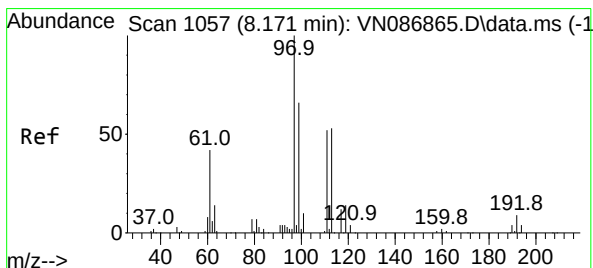
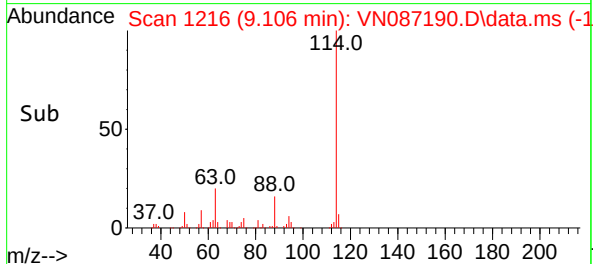
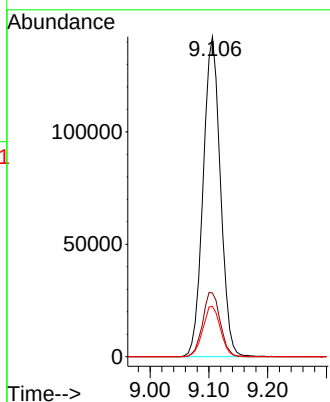
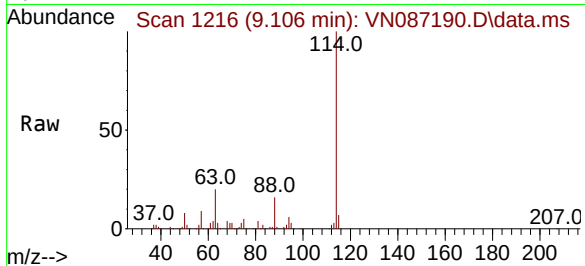




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

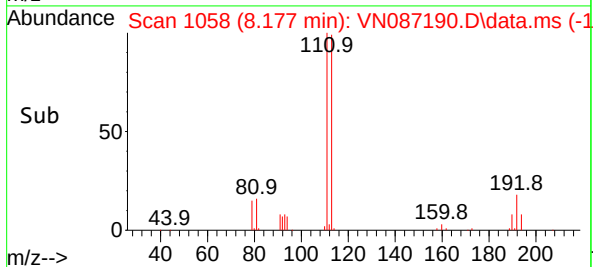
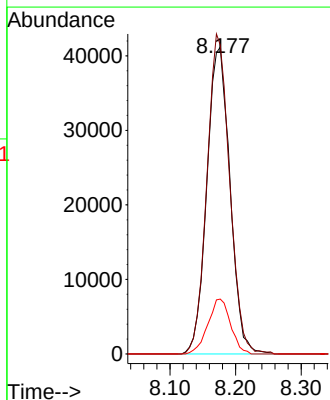
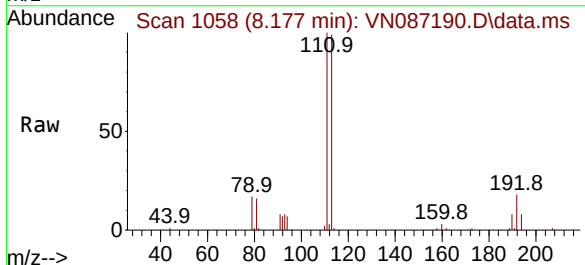
Instrument :
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AUD-1623

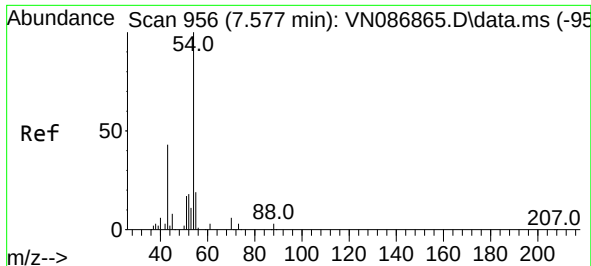
Tgt Ion:114 Resp: 290751
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.6
88 15.7 0.0 30.2



#35
Dibromofluoromethane
Concen: 58.605 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion:113 Resp: 100979
Ion Ratio Lower Upper
113 100
111 102.2 84.2 126.2
192 17.5 14.2 21.4

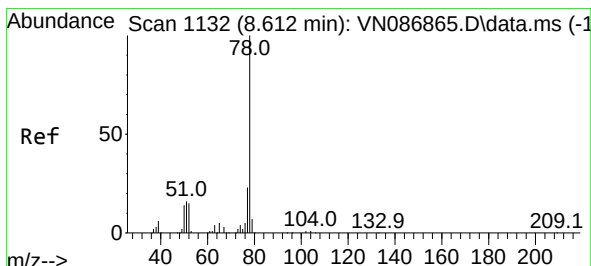
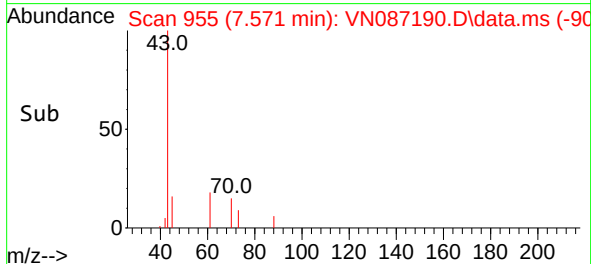
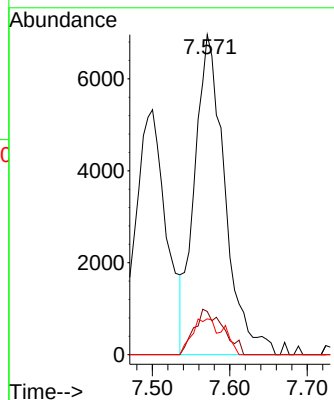
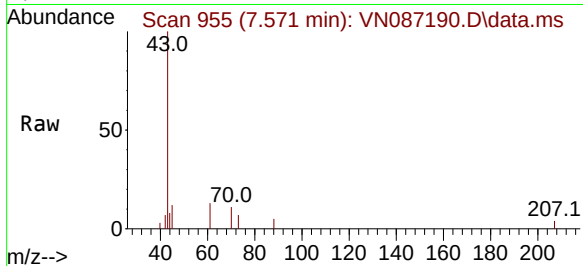




#37
Ethyl Acetate
Concen: 5.784 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

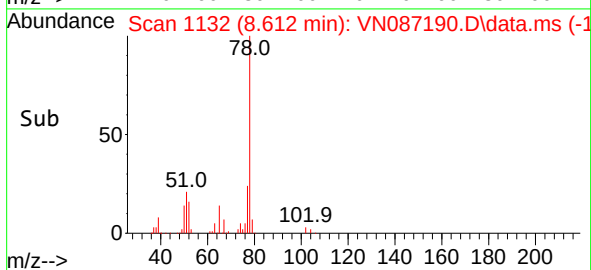
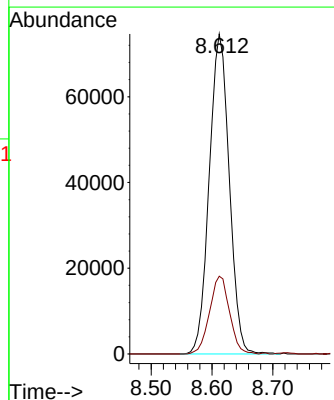
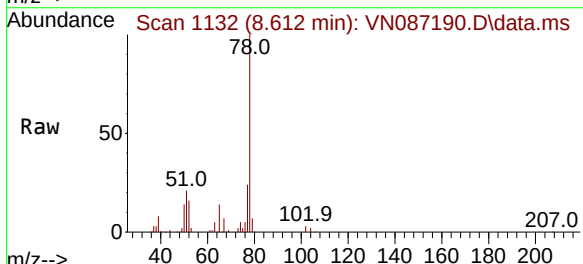
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AUD-1623

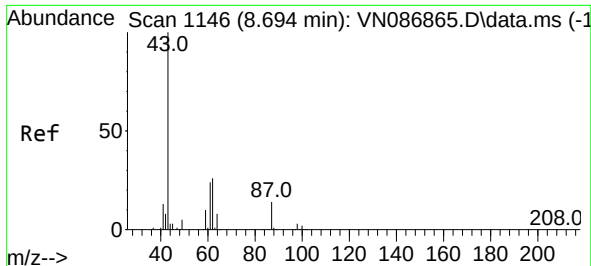
Tgt Ion:	43	Resp:	18904
Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.1	18.1
70	11.5	9.8	14.6



#40
Benzene
Concen: 20.298 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion:	78	Resp:	170422
Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1

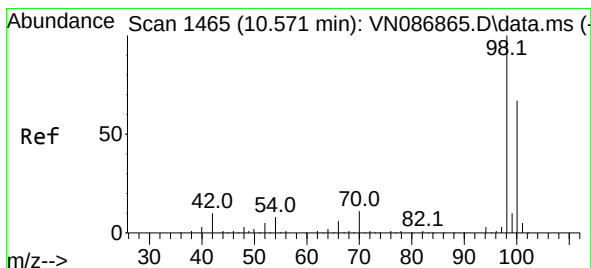
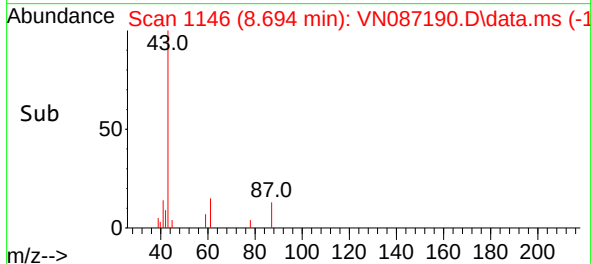
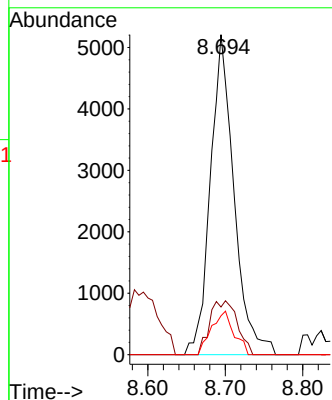
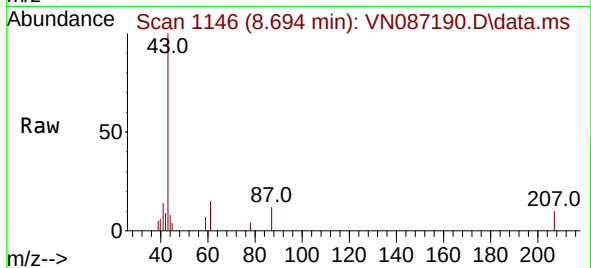




#43
Isopropyl Acetate
Concen: 2.107 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

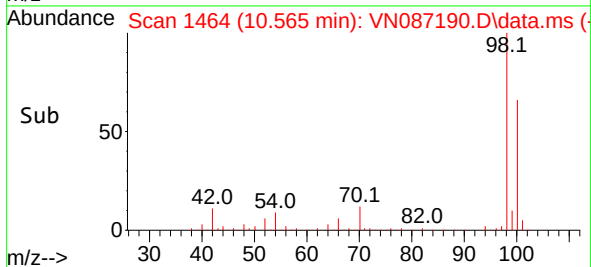
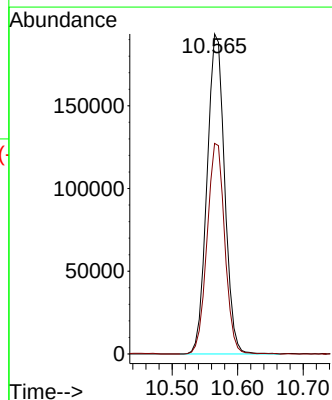
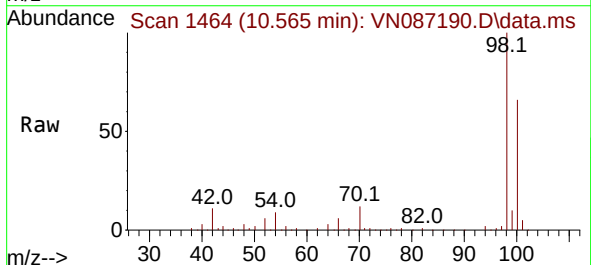
Instrument :
MSVOA_N
ClientSampleId :
AUD-1623

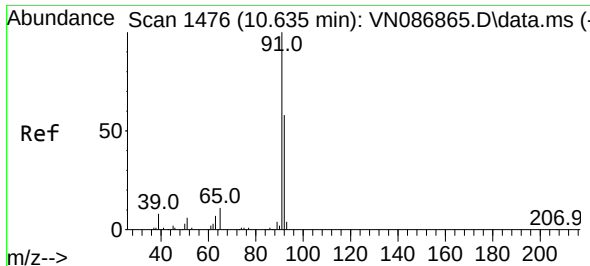
Tgt Ion: 43 Resp: 11053
Ion Ratio Lower Upper
43 100
61 19.6 22.1 33.1#
87 12.9 11.8 17.6



#50
Toluene-d8
Concen: 52.850 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion: 98 Resp: 360499
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

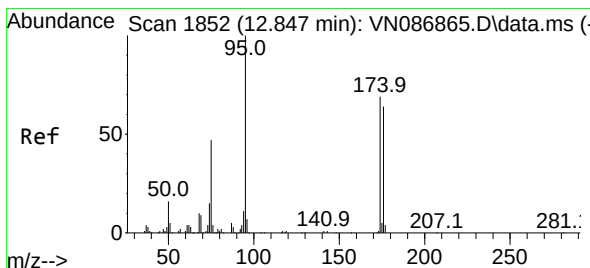
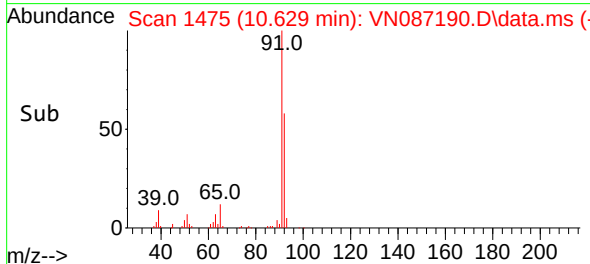
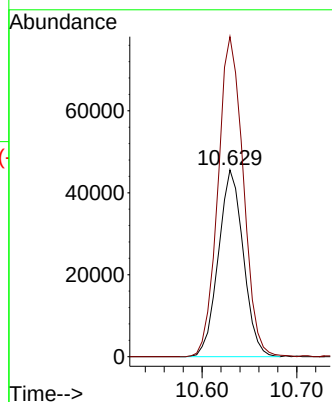
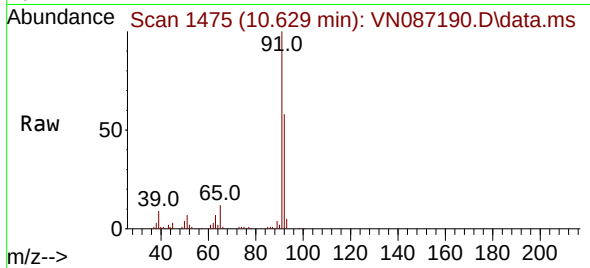




#52
Toluene
Concen: 16.261 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

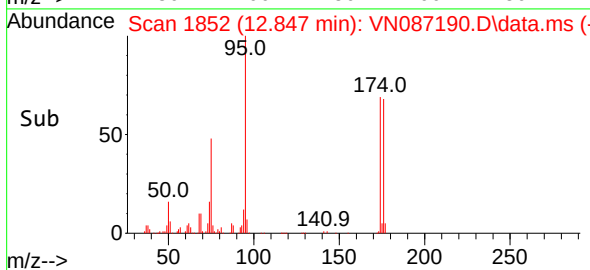
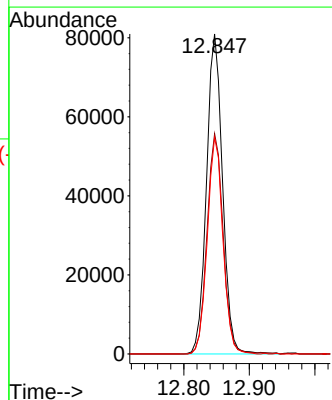
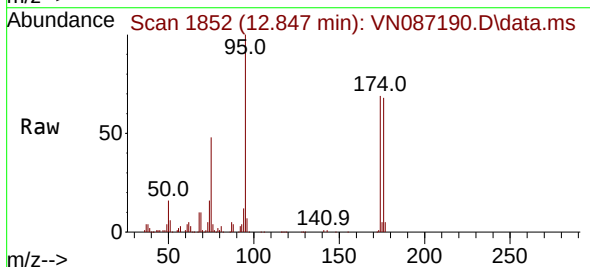
Instrument :
MSVOA_N
ClientSampleId :
AUD-1623

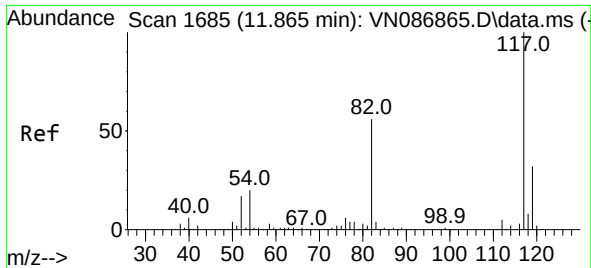
Tgt Ion: 92 Resp: 83435
Ion Ratio Lower Upper
92 100
91 173.9 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 54.310 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion: 95 Resp: 137636
Ion Ratio Lower Upper
95 100
174 69.3 0.0 141.8
176 66.0 0.0 132.6

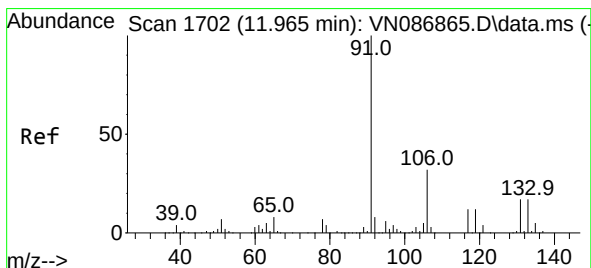
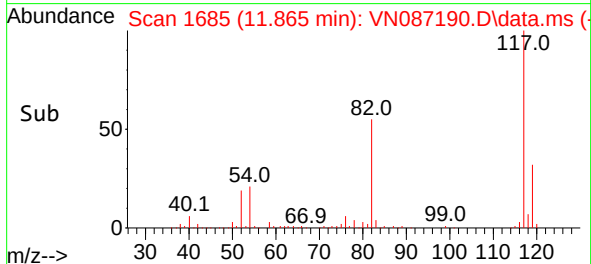
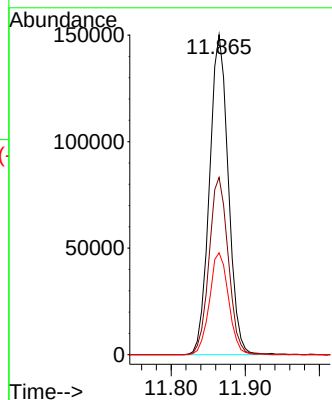
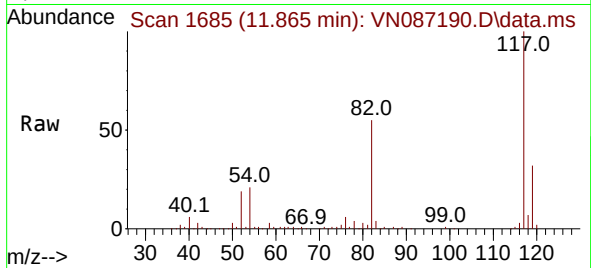




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

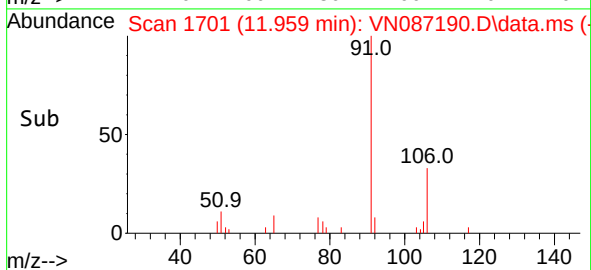
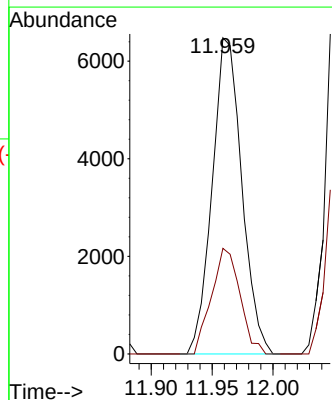
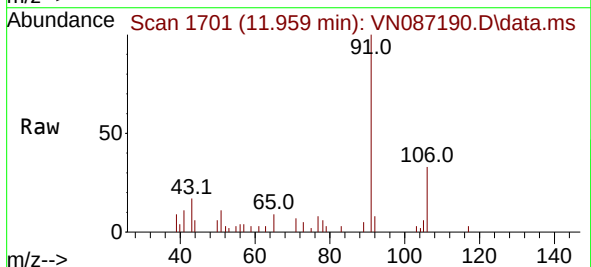
Instrument :
MSVOA_N
ClientSampleId :
AUD-1623

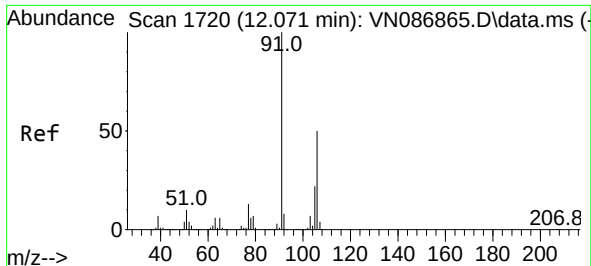
Tgt Ion:117 Resp: 264688
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 1.088 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion: 91 Resp: 10942
Ion Ratio Lower Upper
91 100
106 33.4 25.4 38.2

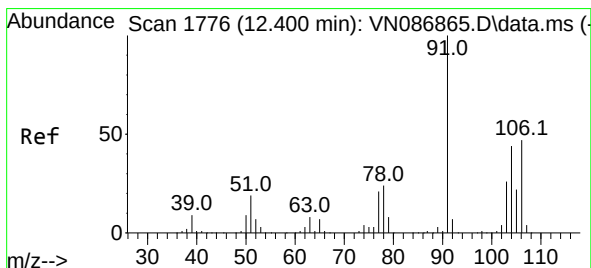
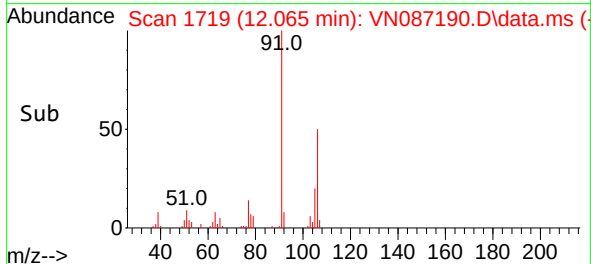
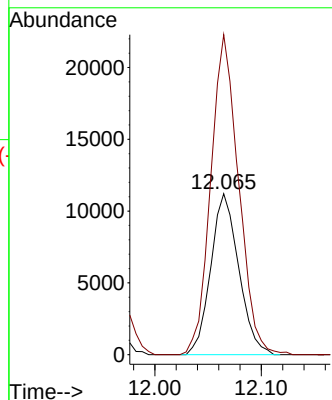
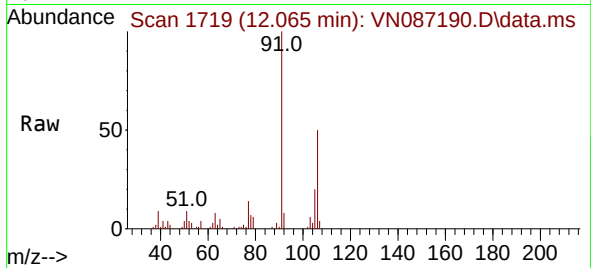




#68
m/p-Xylenes
Concen: 5.317 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

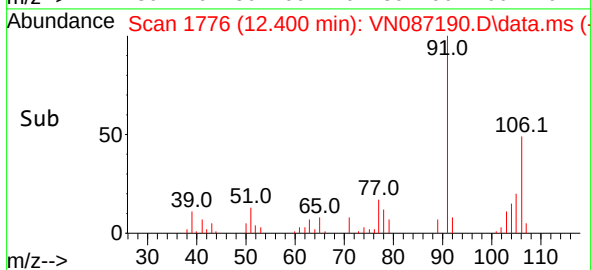
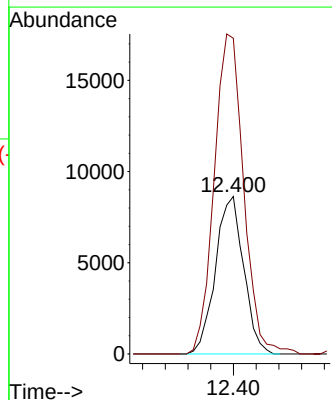
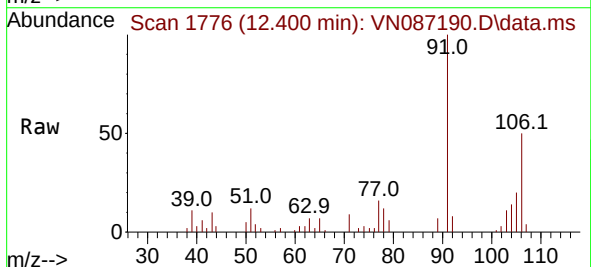
Instrument :
MSVOA_N
ClientSampleId :
AUD-1623

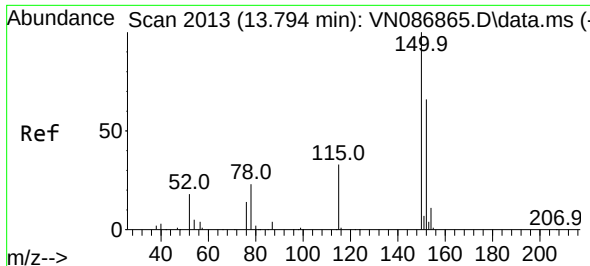
Tgt Ion:106 Resp: 20465
Ion Ratio Lower Upper
106 100
91 197.9 159.4 239.0



#69
o-Xylene
Concen: 4.033 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN087190.D
Acq: 26 Jun 2025 13:26

Tgt Ion:106 Resp: 14869
Ion Ratio Lower Upper
106 100
91 212.3 106.1 318.1

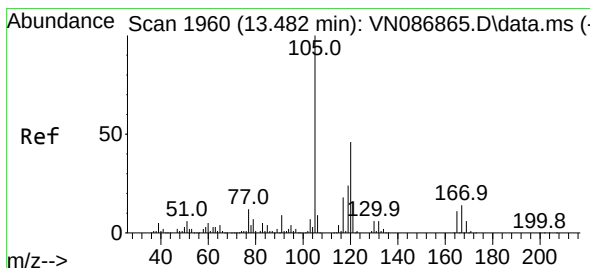
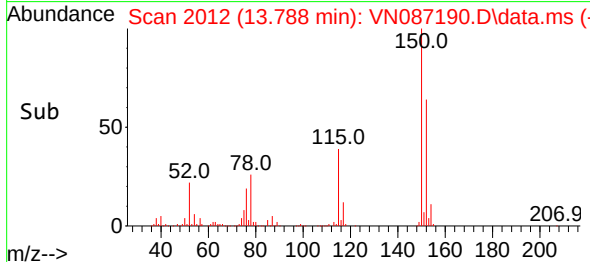
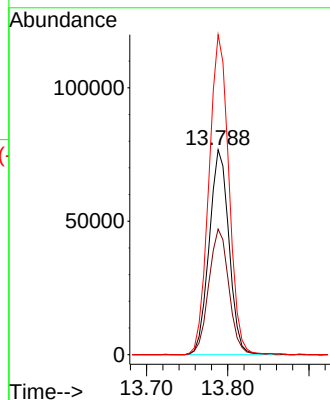
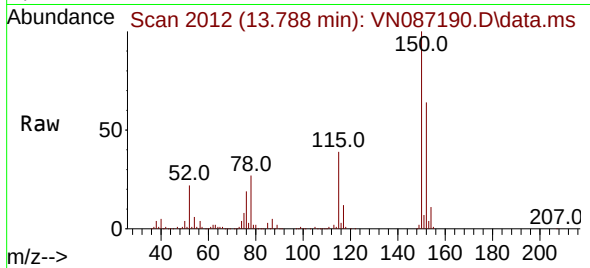




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN087190.D
 Acq: 26 Jun 2025 13:26

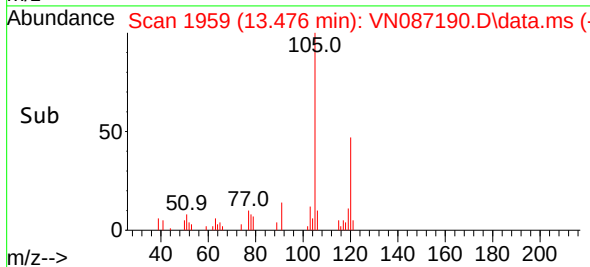
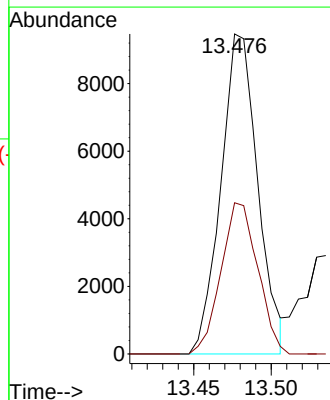
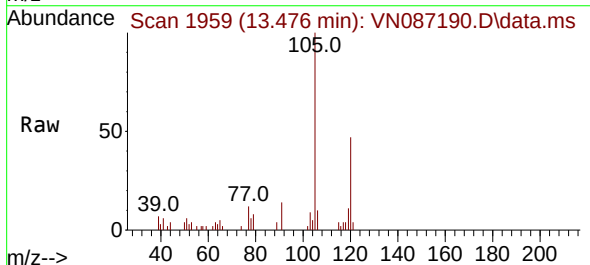
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1623

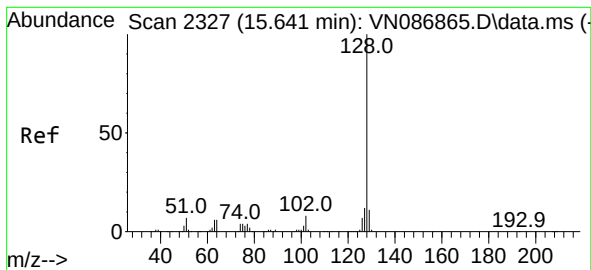
Tgt Ion:152 Resp: 129858
 Ion Ratio Lower Upper
 152 100
 115 62.3 30.1 90.5
 150 157.5 0.0 345.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.000 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN087190.D
 Acq: 26 Jun 2025 13:26

Tgt Ion:105 Resp: 15663
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.2 69.6





#95

Naphthalene

Concen: 175.299 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087190.D

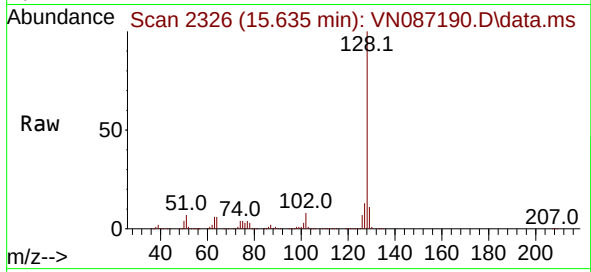
Acq: 26 Jun 2025 13:26

Instrument :

MSVOA_N

ClientSampleId :

AUD-1623



Tgt Ion:128 Resp: 1708717

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.8 13.2

