

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087999.D
 Acq On : 30 Sep 2025 15:30
 Operator : JC\MD
 Sample : Q3252-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-25-0161

Quant Time: Oct 01 04:43:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

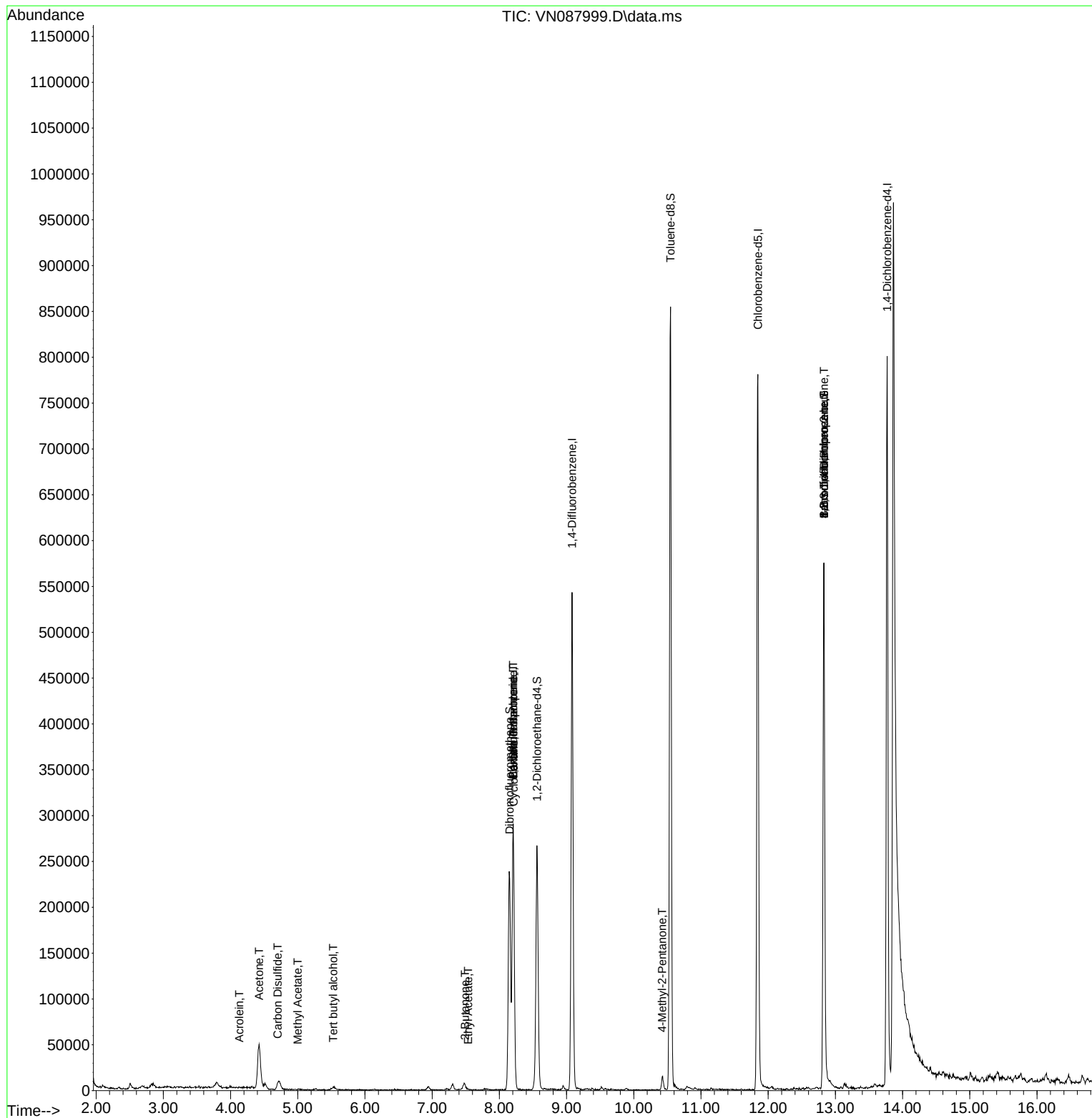
Internal Standards						
1) Pentafluorobenzene	8.206	168	196878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	447945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	442767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	212012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210352	63.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.980%#			
35) Dibromofluoromethane	8.153	113	172877	53.155	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	10.547	98	576548	50.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.820%			
62) 4-Bromofluorobenzene	12.829	95	198591	48.577	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.160%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	4098	8.587	ug/l #	84
13) Acrolein	4.130	56	199	0.325	ug/l #	58
16) Acetone	4.424	43	94981	69.673	ug/l	99
17) Carbon Disulfide	4.700	76	4746	0.735	ug/l #	79
18) Methyl Acetate	5.000	43	685	0.201	ug/l #	51
25) 2-Butanone	7.488	43	12135	5.824	ug/l #	82
31) Cyclohexane	8.212	56	5222	1.405	ug/l #	15
36) 1,1-Dichloropropene	8.206	75	19028	4.866	ug/l #	47
37) Ethyl Acetate	7.536	43	1207	0.235	ug/l #	69
38) Carbon Tetrachloride	8.206	117	21622	4.818	ug/l #	19
51) 4-Methyl-2-Pentanone	10.424	43	10715	2.124	ug/l	93
71) Bromoform	12.829	173	1509	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	110164	26.360	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	110164	73.197	ug/l #	9

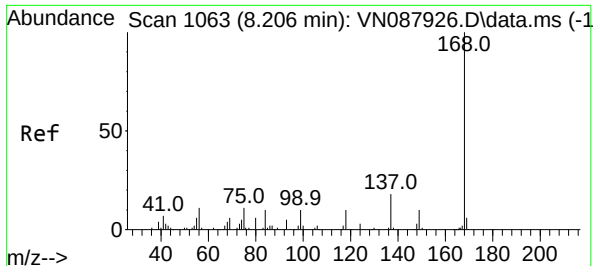
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 04:43:22 2025
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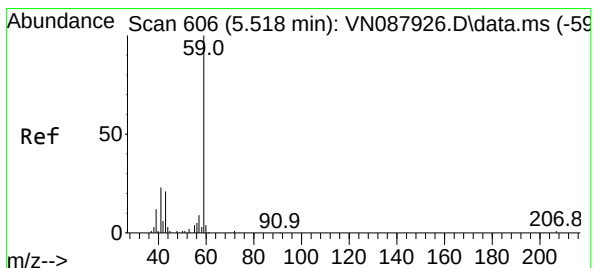
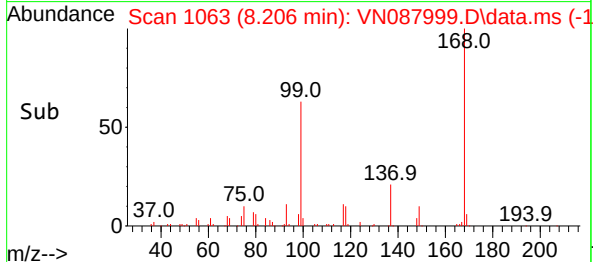
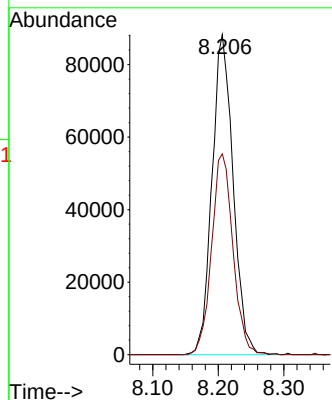
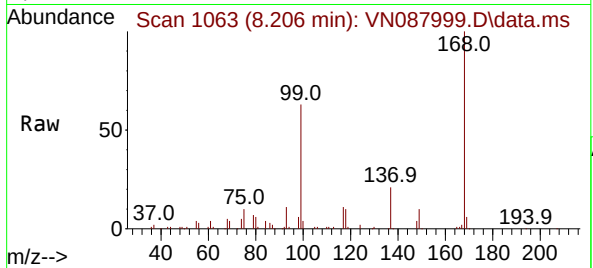




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

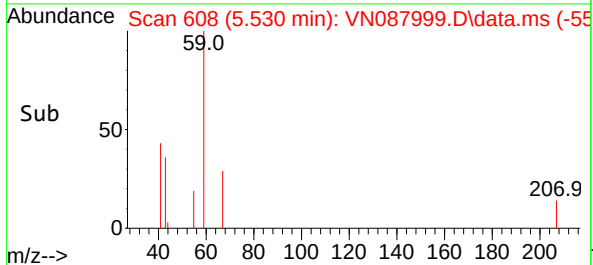
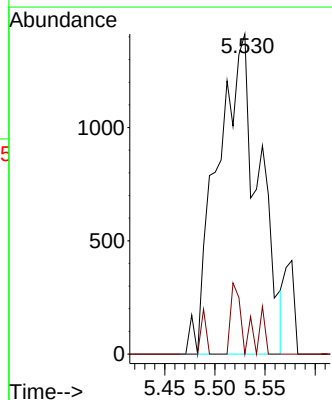
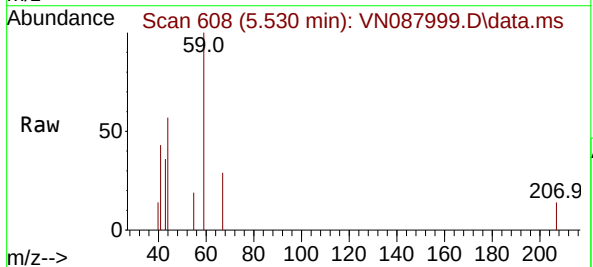
Instrument :
MSVOA_N
ClientSampleId :
AUD-25-0161

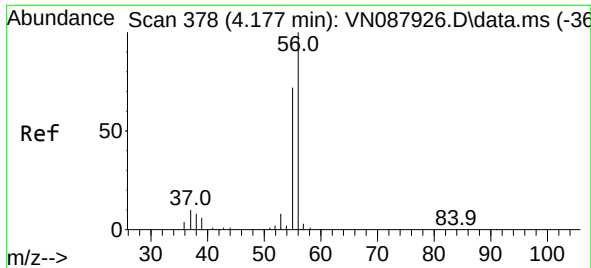
Tgt Ion:168 Resp: 196878
Ion Ratio Lower Upper
168 100
99 62.7 52.2 78.2



#11
Tert butyl alcohol
Concen: 8.587 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

Tgt Ion: 59 Resp: 4098
Ion Ratio Lower Upper
59 100
57 4.9 8.8 13.2#





#13

Acrolein

Concen: 0.325 ug/l

RT: 4.130 min Scan# 31

Delta R.T. -0.047 min

Lab File: VN087999.D

Acq: 30 Sep 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

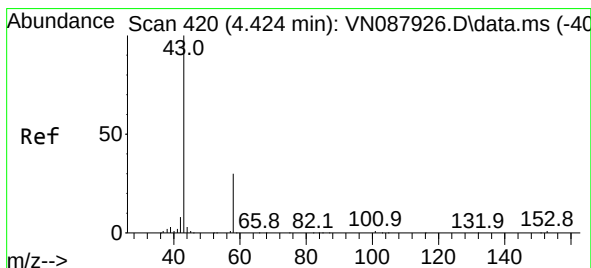
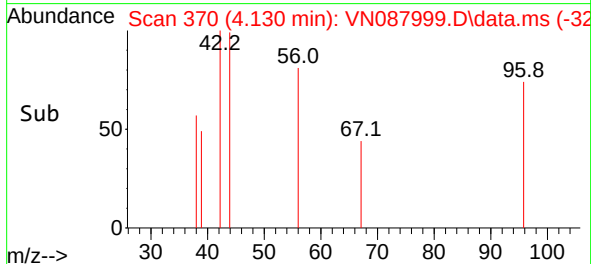
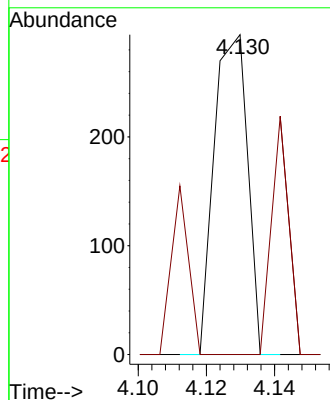
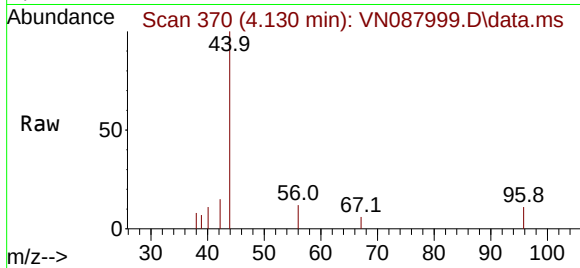
AUD-25-0161

Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 38.7 59.3 88.9#



#16

Acetone

Concen: 69.673 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN087999.D

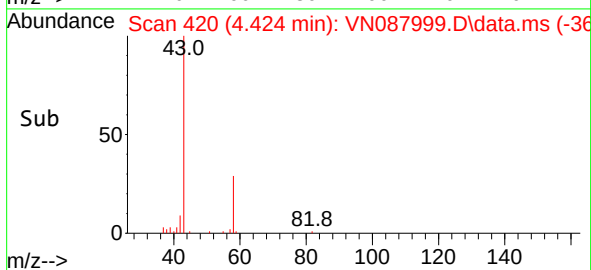
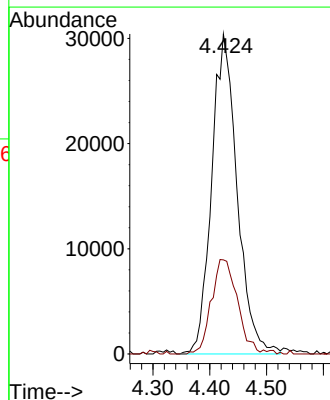
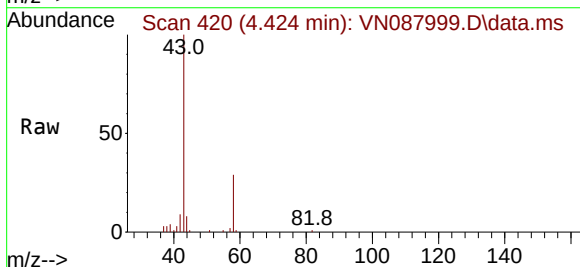
Acq: 30 Sep 2025 15:30

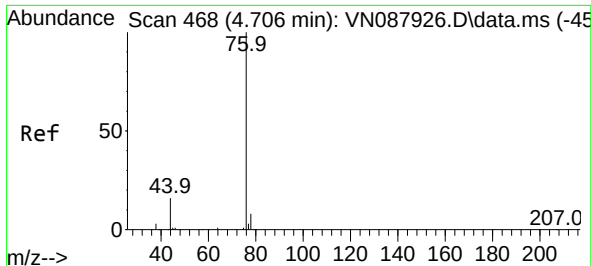
Tgt Ion: 43 Resp: 94981

Ion Ratio Lower Upper

43 100

58 29.4 24.1 36.1

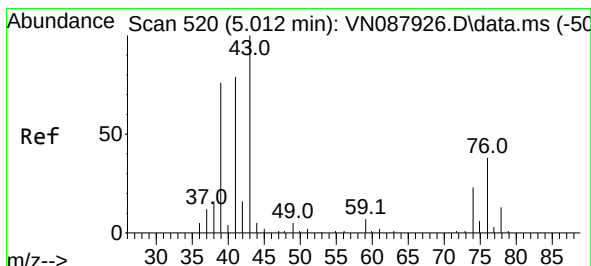
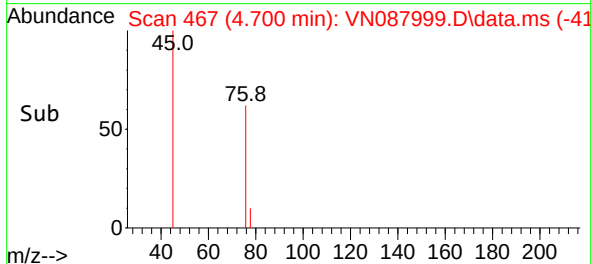
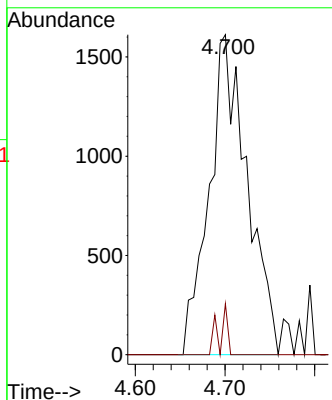
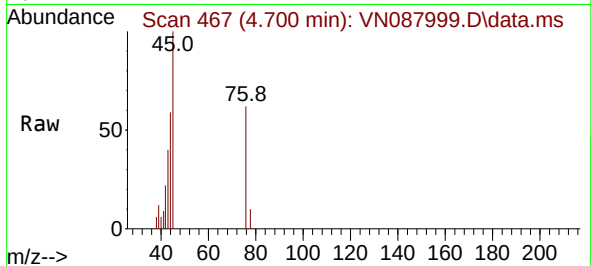




#17
Carbon Disulfide
Concen: 0.735 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

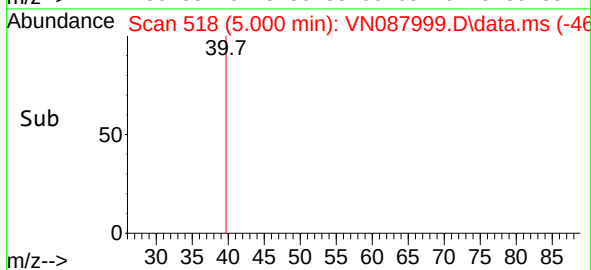
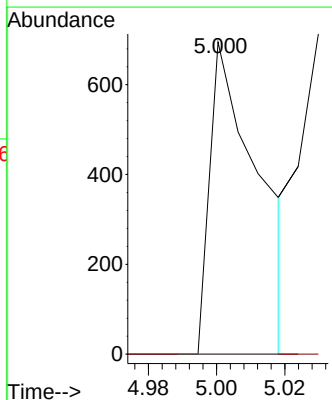
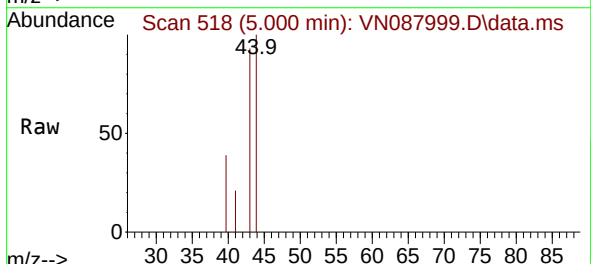
Instrument :
MSVOA_N
ClientSampleId :
AUD-25-0161

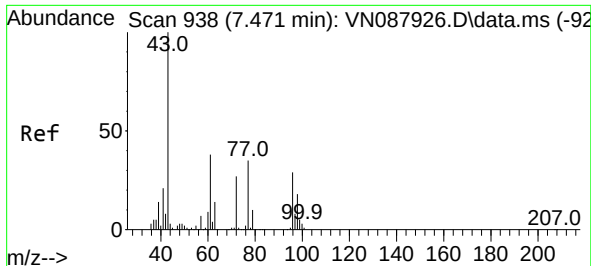
Tgt Ion: 76 Resp: 4746
Ion Ratio Lower Upper
76 100
78 15.9 6.7 10.1#



#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 5.000 min Scan# 518
Delta R.T. -0.012 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#

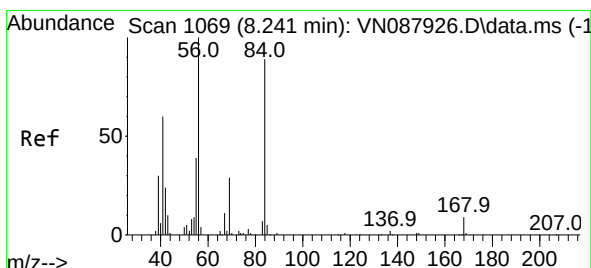
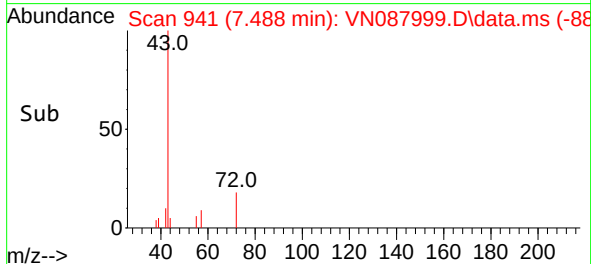
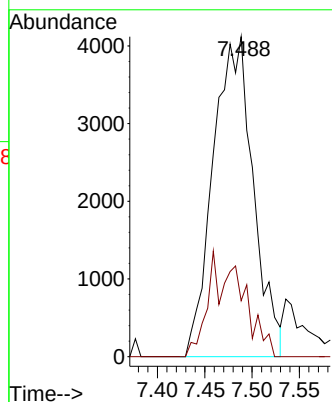
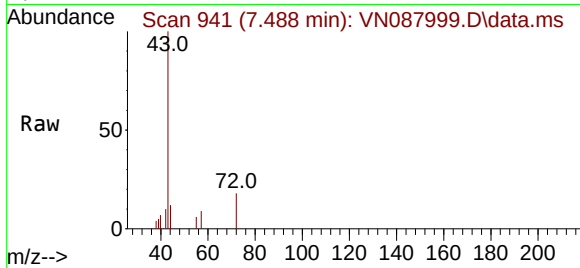




#25
2-Butanone
Concen: 5.824 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

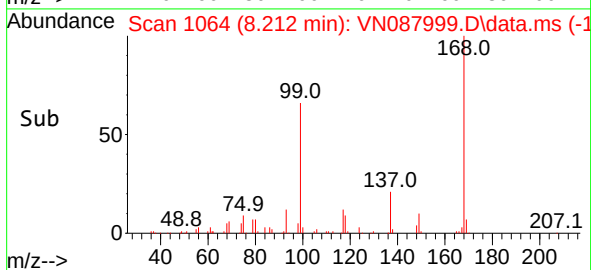
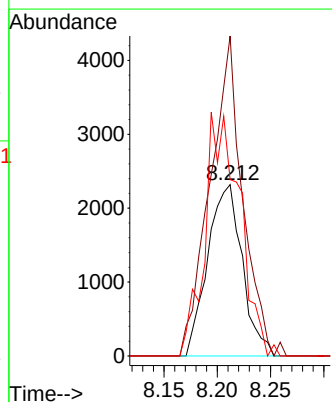
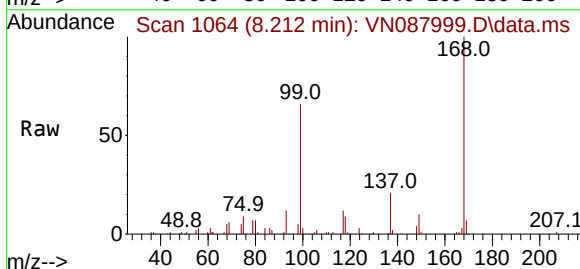
Instrument :
MSVOA_N
ClientSampleId :
AUD-25-0161

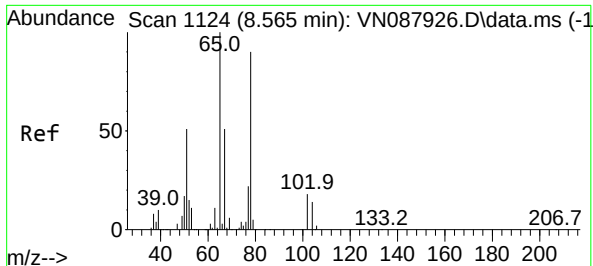
Tgt Ion: 43 Resp: 12135
Ion Ratio Lower Upper
43 100
72 17.5 21.5 32.3#



#31
Cyclohexane
Concen: 1.405 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.029 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

Tgt Ion: 56 Resp: 5222
Ion Ratio Lower Upper
56 100
69 186.7 23.4 35.0#
84 102.8 70.8 106.2





#33

1,2-Dichloroethane-d4

Concen: 63.487 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087999.D

Acq: 30 Sep 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

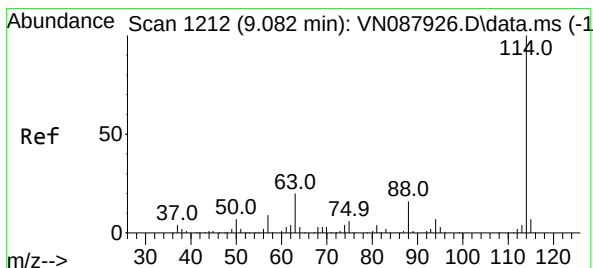
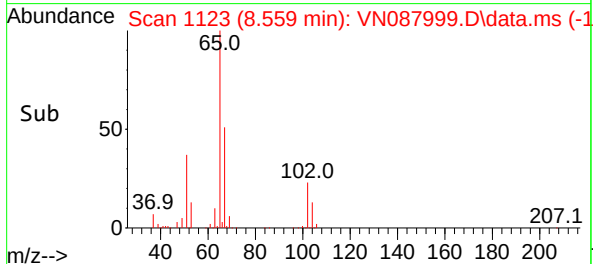
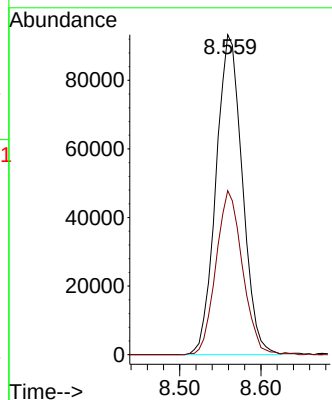
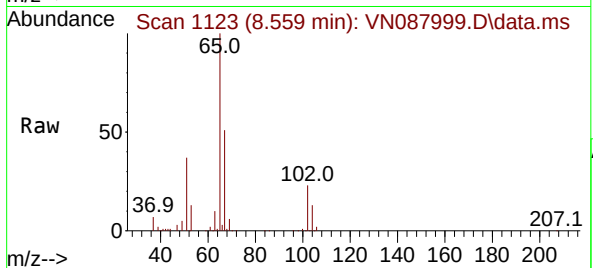
AUD-25-0161

Tgt Ion: 65 Resp: 210352

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087999.D

Acq: 30 Sep 2025 15:30

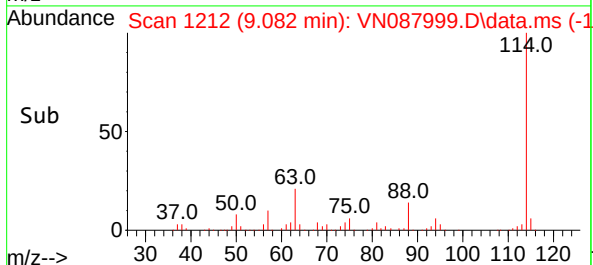
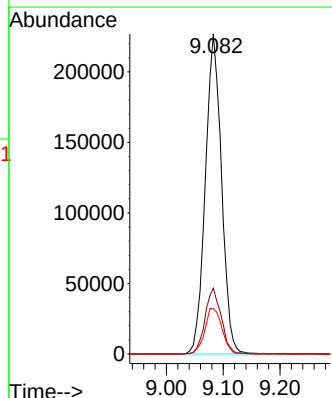
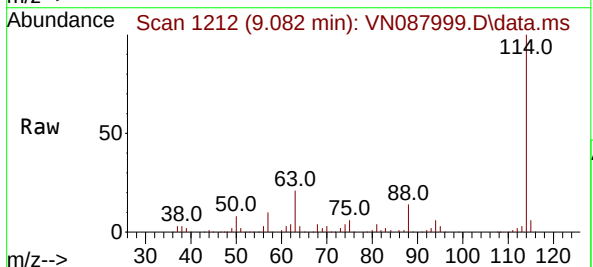
Tgt Ion: 114 Resp: 447945

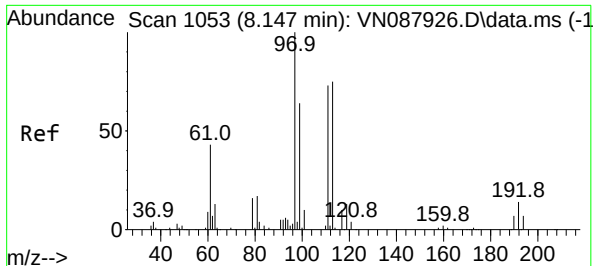
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 14.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.155 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087999.D

Acq: 30 Sep 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

AUD-25-0161

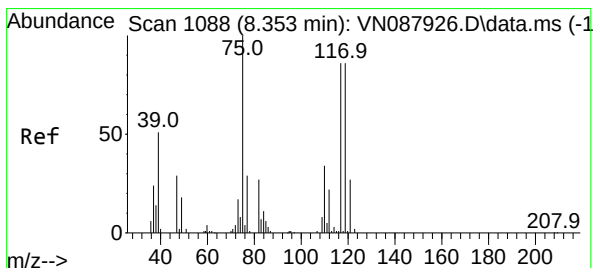
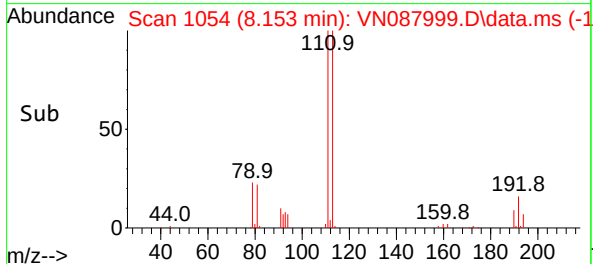
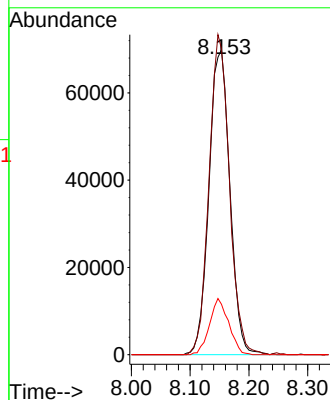
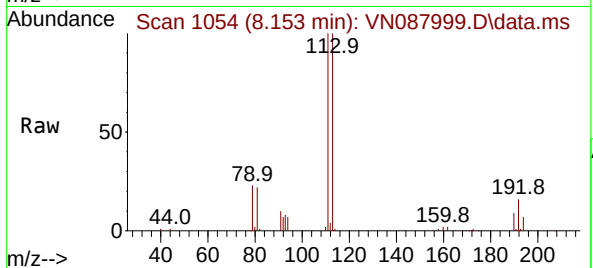
Tgt Ion:113 Resp: 172877

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 16.9 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087999.D

Acq: 30 Sep 2025 15:30

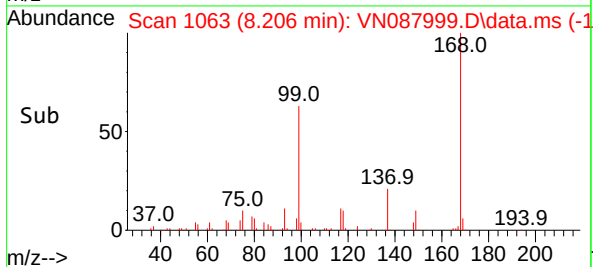
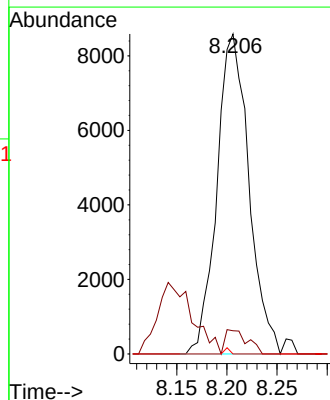
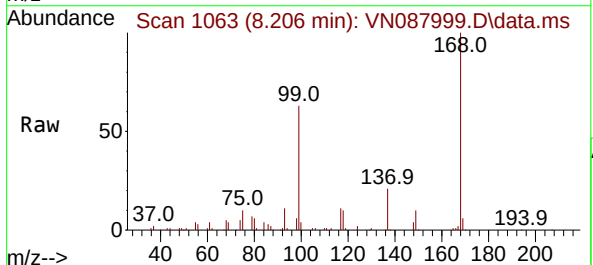
Tgt Ion: 75 Resp: 19028

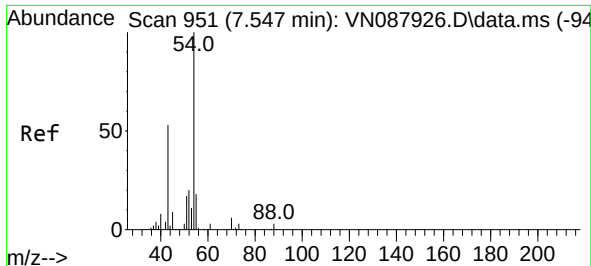
Ion Ratio Lower Upper

75 100

110 5.2 17.1 51.3#

77 0.3 24.8 37.2#

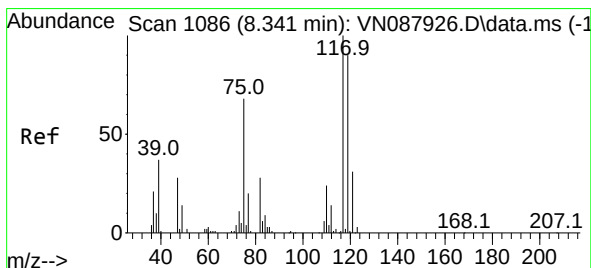
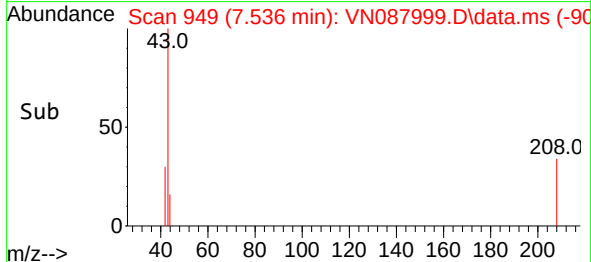
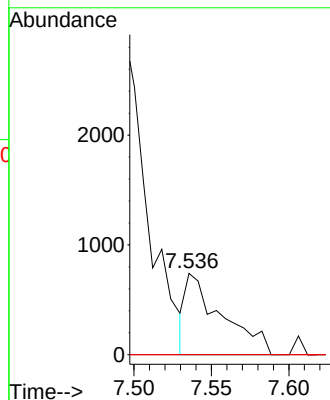
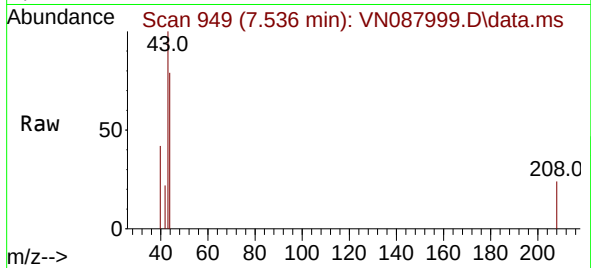




#37
Ethyl Acetate
Concen: 0.235 ug/l
RT: 7.536 min Scan# 949
Delta R.T. -0.012 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

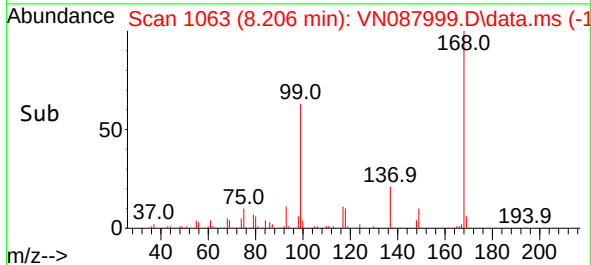
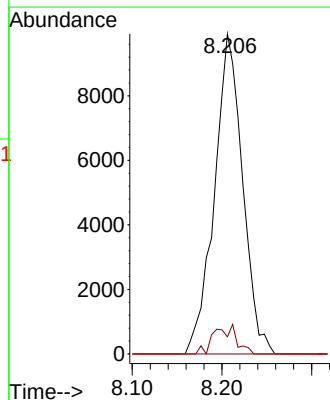
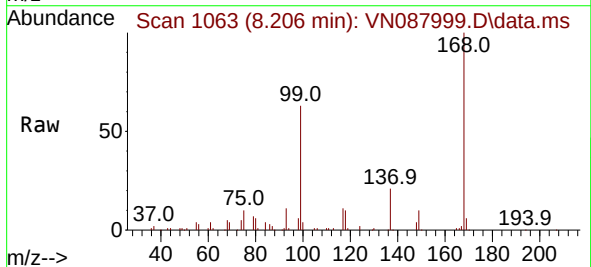
Instrument :
MSVOA_N
ClientSampleId :
AUD-25-0161

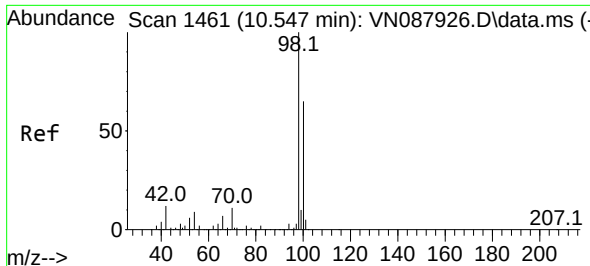
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 4.818 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

Tgt Ion: 117 Resp: 21622
Ion Ratio Lower Upper
117 100
119 5.3 72.1 108.1#
121 0.0 24.6 36.8#

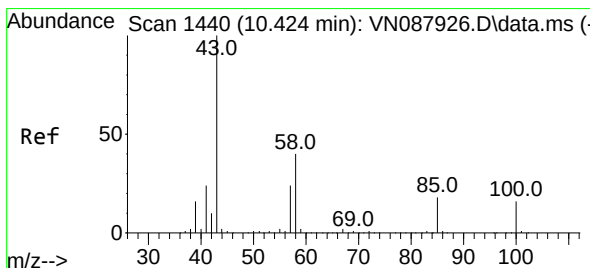
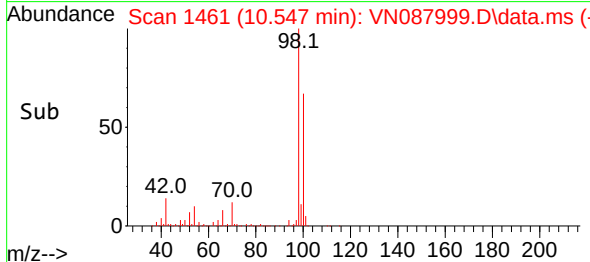
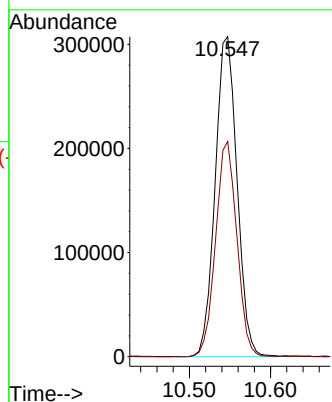
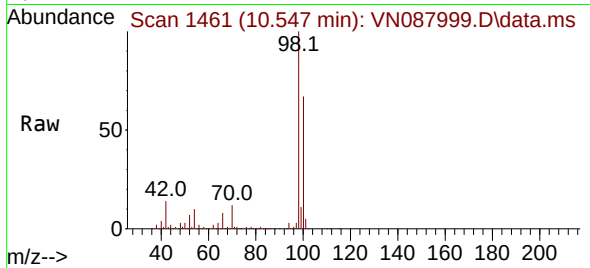




#50
Toluene-d8
Concen: 50.410 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

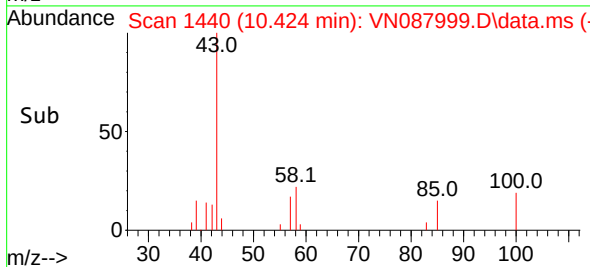
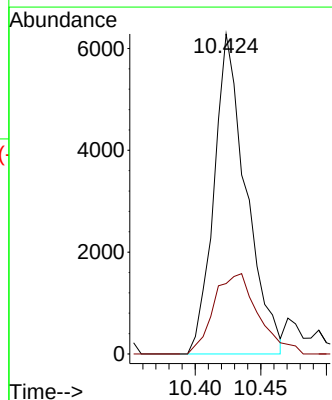
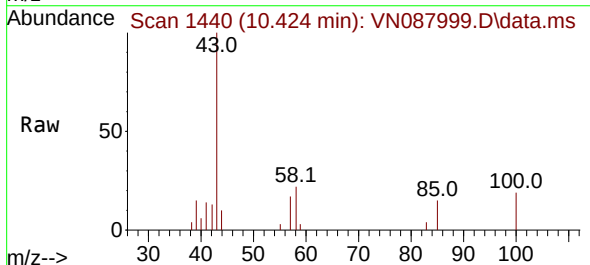
Instrument :
MSVOA_N
ClientSampleId :
AUD-25-0161

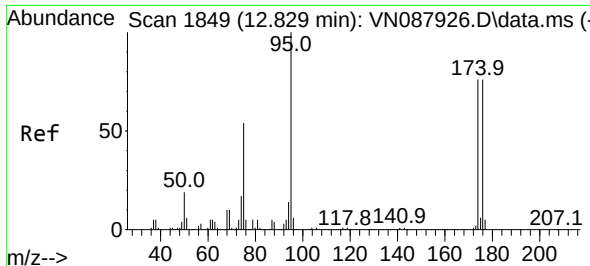
Tgt Ion: 98 Resp: 576548
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.124 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

Tgt Ion: 43 Resp: 10715
Ion Ratio Lower Upper
43 100
58 34.7 31.0 46.6

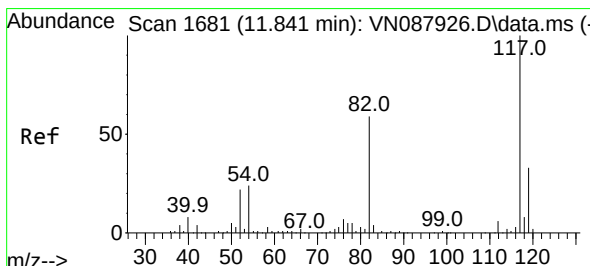
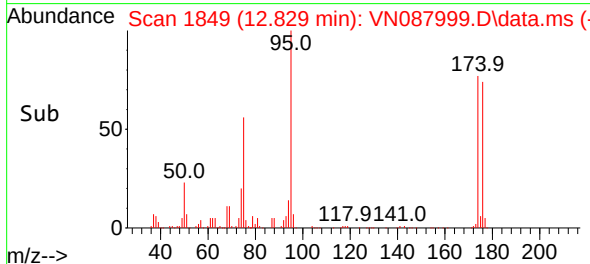
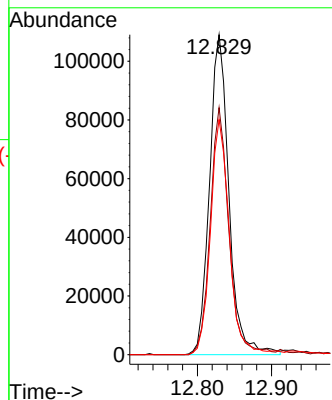
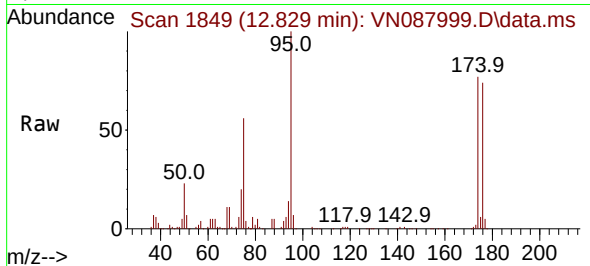




#62
4-Bromofluorobenzene
Concen: 48.577 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

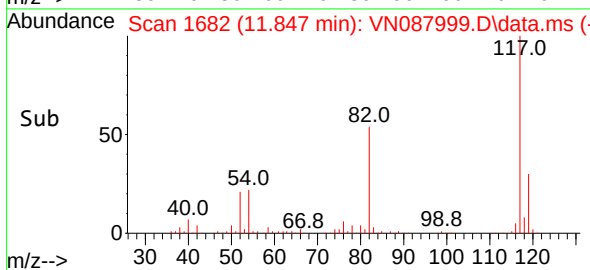
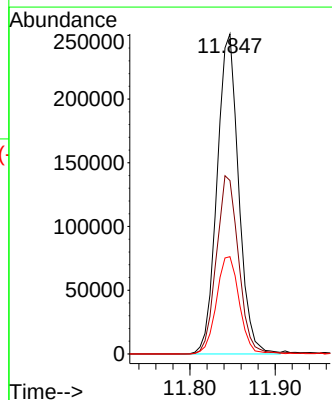
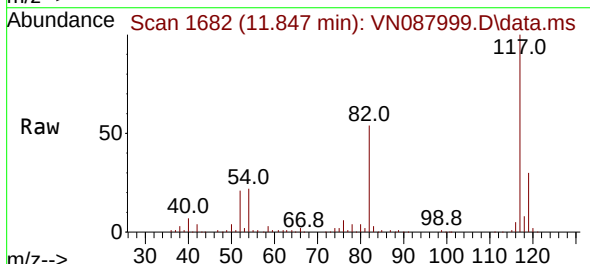
Instrument :
MSVOA_N
ClientSampleId :
AUD-25-0161

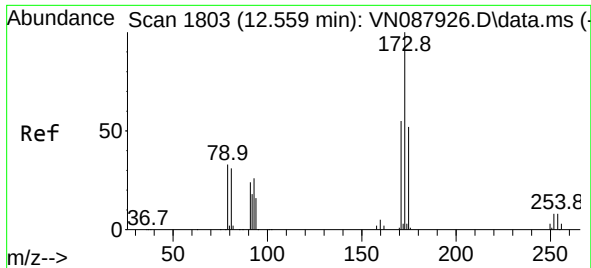
Tgt Ion: 95 Resp: 198591
Ion Ratio Lower Upper
95 100
174 74.3 0.0 159.2
176 71.8 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

Tgt Ion: 117 Resp: 442767
Ion Ratio Lower Upper
117 100
82 54.2 47.0 70.4
119 30.4 26.1 39.1

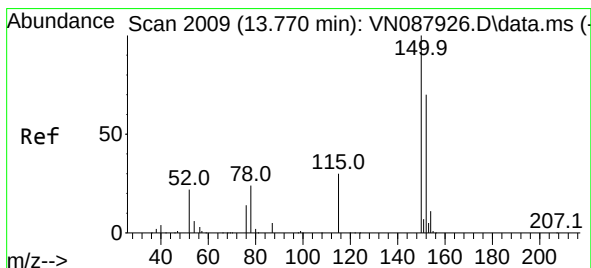
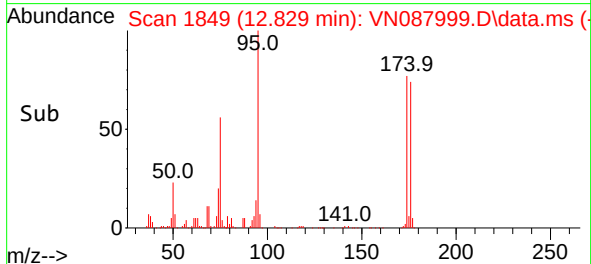
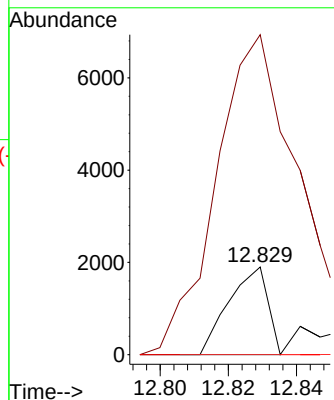
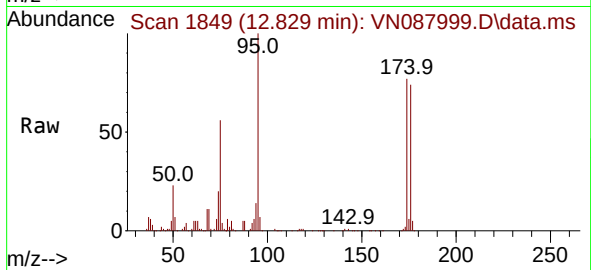




#71
Bromoform
Concen: 0.547 ug/l
RT: 12.829 min Scan# 1803
Delta R.T. 0.271 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

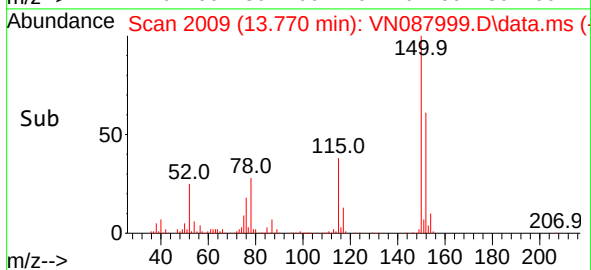
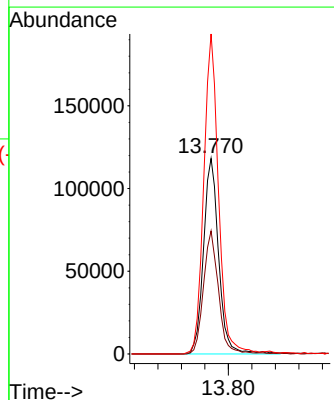
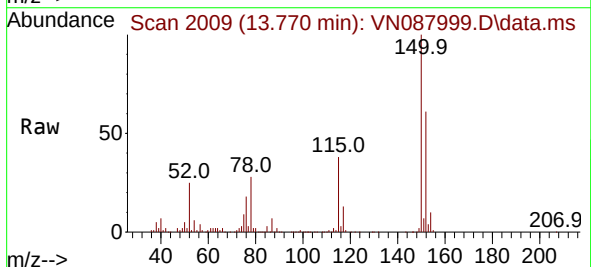
Instrument :
MSVOA_N
ClientSampleId :
AUD-25-0161

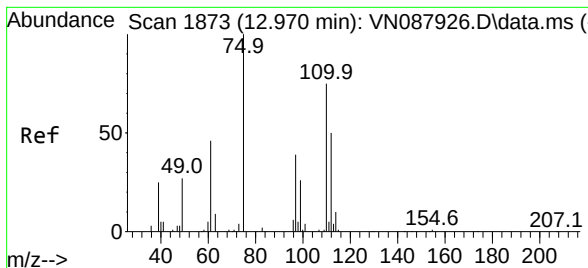
Tgt Ion:173 Resp: 1509
Ion Ratio Lower Upper
173 100
175 595.5 23.7 71.1#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087999.D
Acq: 30 Sep 2025 15:30

Tgt Ion:152 Resp: 212012
Ion Ratio Lower Upper
152 100
115 62.2 29.9 89.7
150 158.4 0.0 335.0





#76

1,2,3-Trichloropropane

Concen: 26.360 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087999.D

Acq: 30 Sep 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

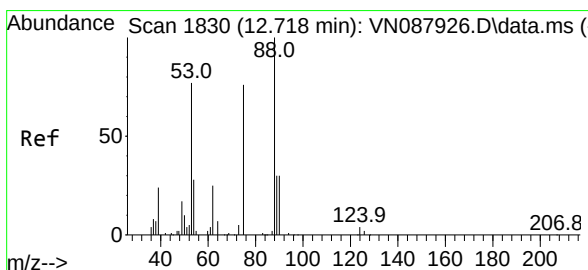
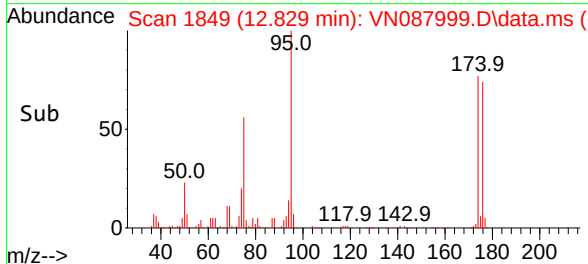
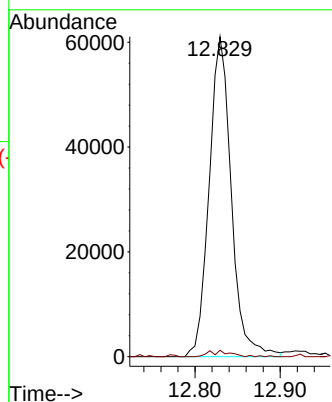
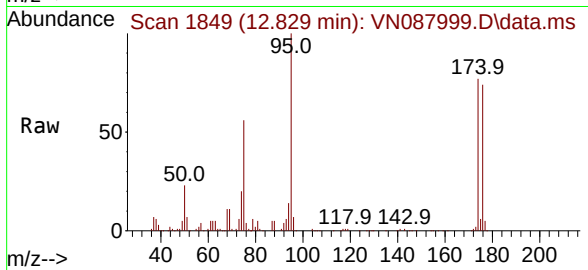
AUD-25-0161

Tgt Ion: 75 Resp: 110164

Ion Ratio Lower Upper

75 100

77 0.7 89.5 268.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.197 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087999.D

Acq: 30 Sep 2025 15:30

Tgt Ion: 75 Resp: 110164

Ion Ratio Lower Upper

75 100

53 0.0 82.0 123.0#

89 0.1 36.1 54.1#

