

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022124\
 Data File : VN081117.D
 Acq On : 21 Feb 2024 13:59
 Operator : JC\MD
 Sample : P1540-05 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1327

Quant Time: Feb 22 04:46:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

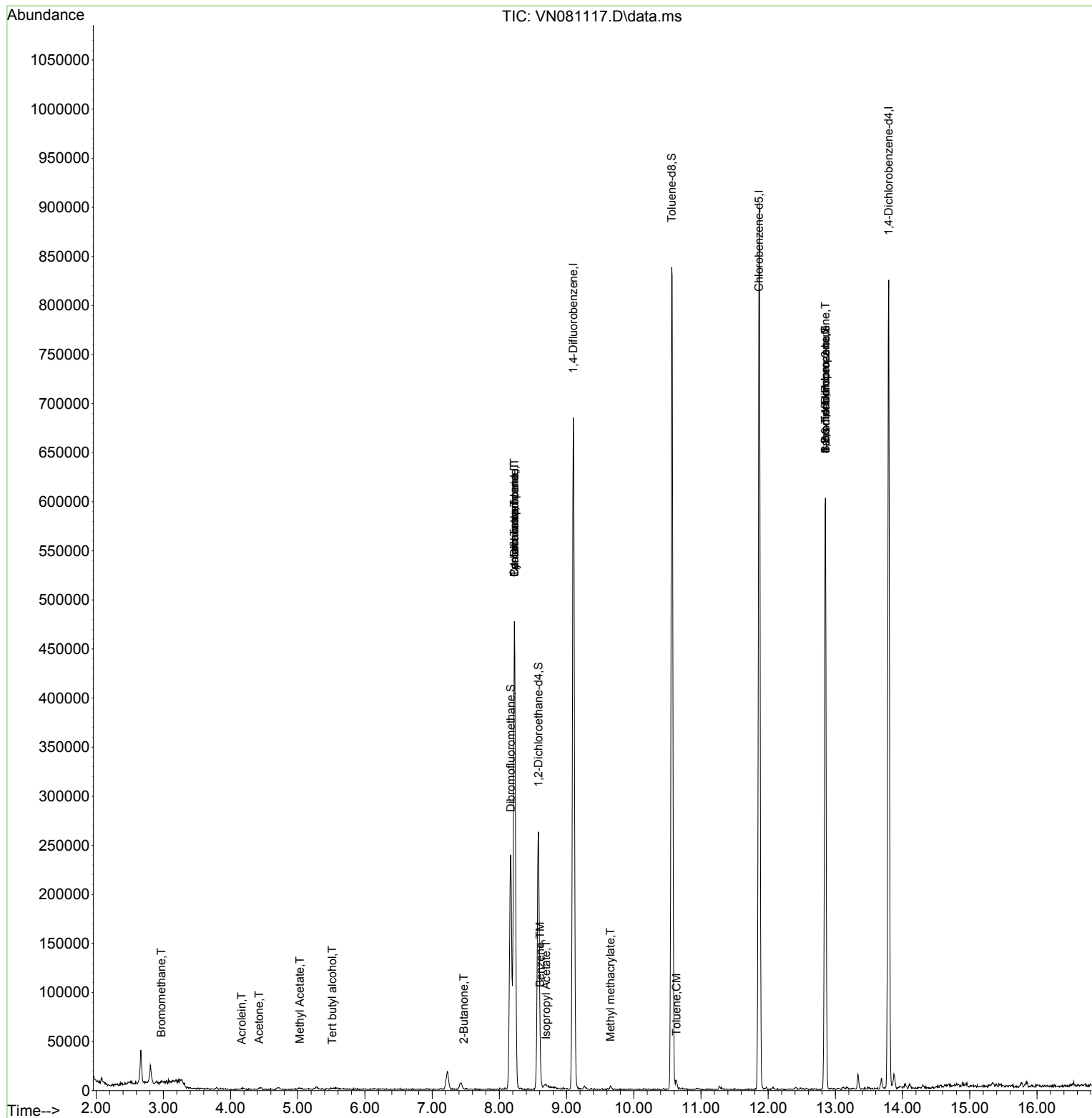
Internal Standards						
1) Pentafluorobenzene	8.223	168	323506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	610798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	517912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	214767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	204488	51.570	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.140%
35) Dibromofluoromethane	8.171	113	172273	49.878	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.760%
50) Toluene-d8	10.565	98	580994	47.361	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.720%
62) 4-Bromofluorobenzene	12.853	95	209994	45.557	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1175	Below Cal	#	43
5) Bromomethane	2.971	94	1064	0.322	ug/l #	46
6) Chloroethane	3.094	64	98	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	943	1.293	ug/l #	72
13) Acrolein	4.165	56	309	0.791	ug/l #	15
16) Acetone	4.424	43	2926	1.875	ug/l	96
18) Methyl Acetate	5.030	43	2734	0.718	ug/l #	66
20) Methylene Chloride	5.282	84	1402	Below Cal	#	68
25) 2-Butanone	7.471	43	562	0.223	ug/l #	51
31) Cyclohexane	8.223	56	8277	1.209	ug/l #	1
36) 1,1-Dichloropropene	8.223	75	29266	4.946	ug/l #	52
38) Carbon Tetrachloride	8.223	117	35984	6.011	ug/l #	17
40) Benzene	8.606	78	6702	0.391	ug/l #	83
43) Isopropyl Acetate	8.694	43	4414	0.473	ug/l #	57
48) Methyl methacrylate	9.653	41	1002	0.231	ug/l #	45
52) Toluene	10.635	92	3569	0.329	ug/l	95
71) Bromoform	12.853	173	1836	0.719	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	115389	23.647	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115389	60.865	ug/l #	14

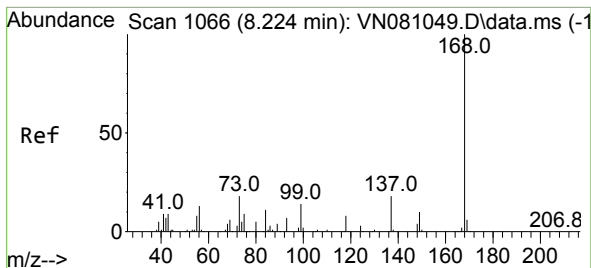
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.223 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

Instrument :

MSVOA_N

ClientSampleId :

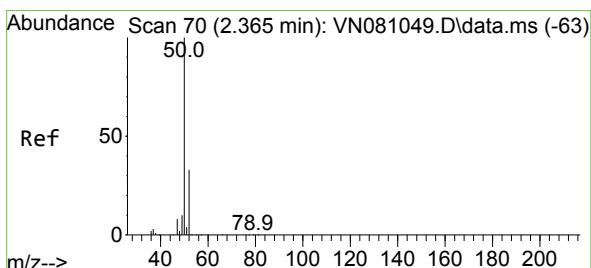
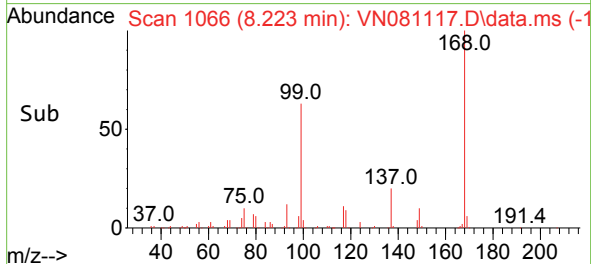
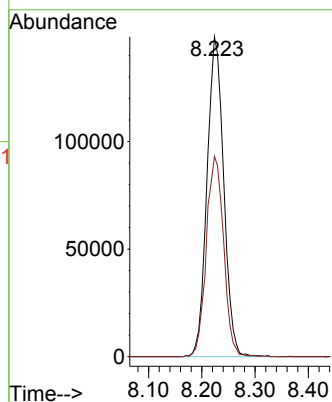
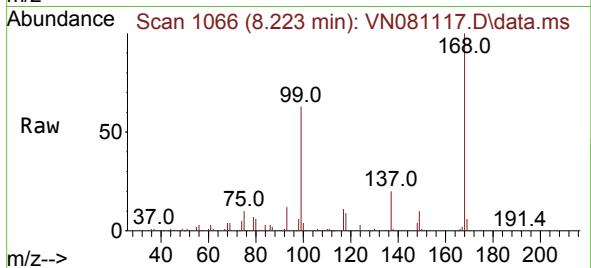
AUD-1327

Tgt Ion:168 Resp: 323506

Ion Ratio Lower Upper

168 100

99 62.6 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081117.D

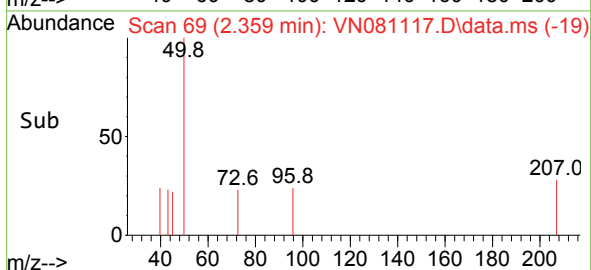
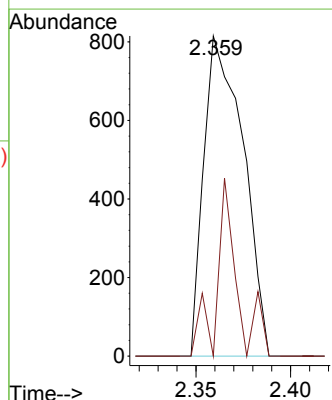
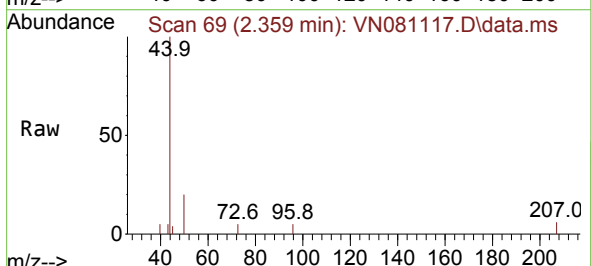
Acq: 21 Feb 2024 13:59

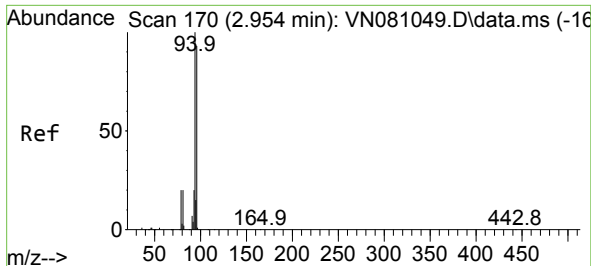
Tgt Ion: 50 Resp: 1175

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

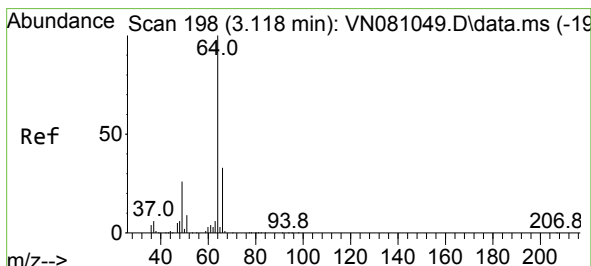
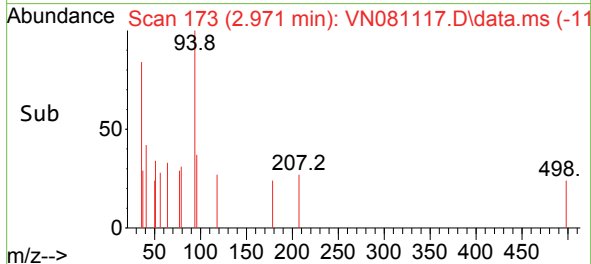
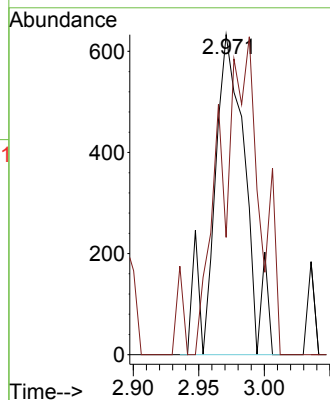
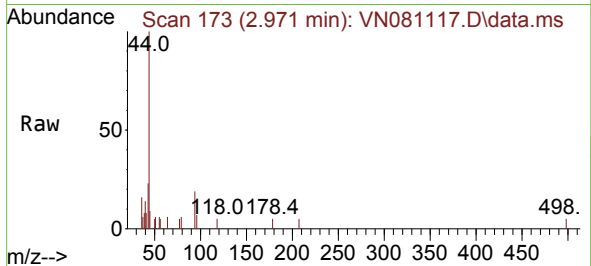




#5
Bromomethane
Concen: 0.322 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

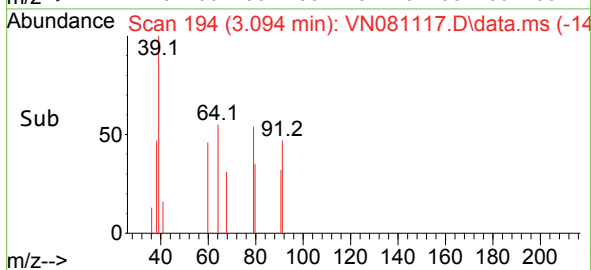
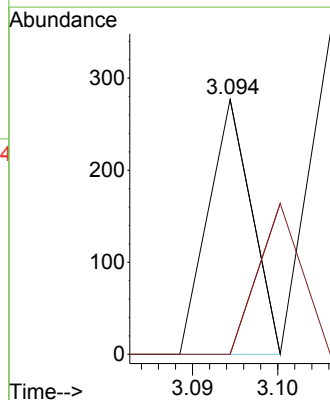
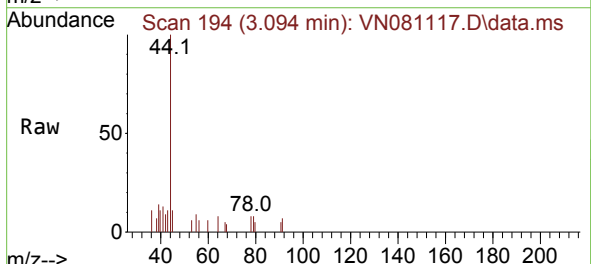
Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

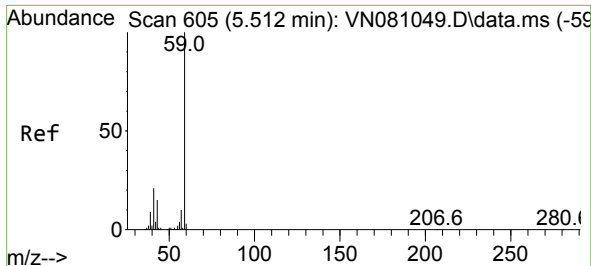
Tgt Ion: 94 Resp: 1064
Ion Ratio Lower Upper
94 100
96 36.7 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.094 min Scan# 194
Delta R.T. -0.024 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

Tgt Ion: 64 Resp: 98
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

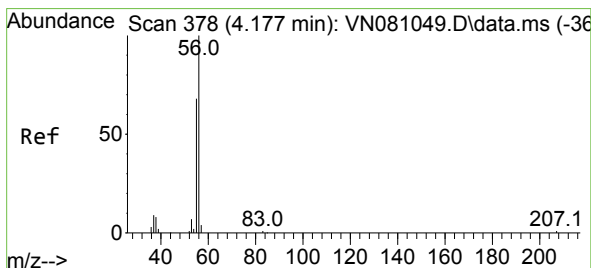
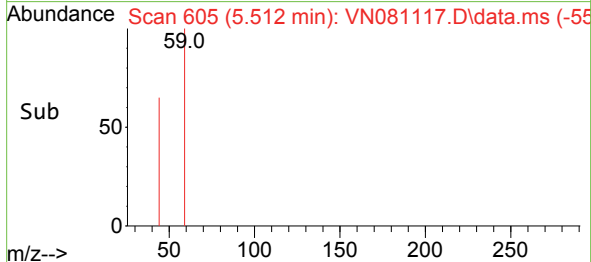
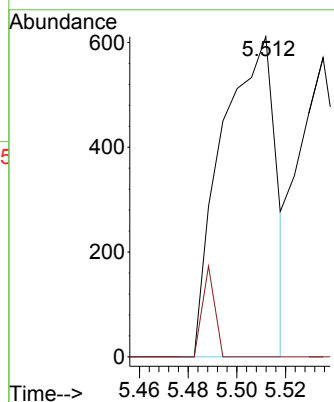
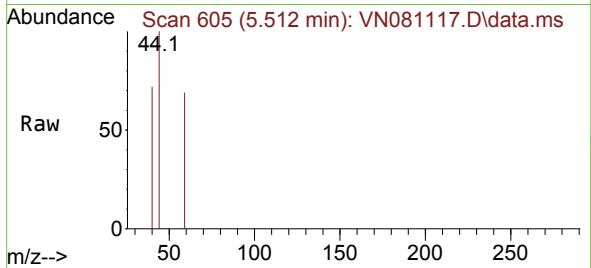




#11
Tert butyl alcohol
Concen: 1.293 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

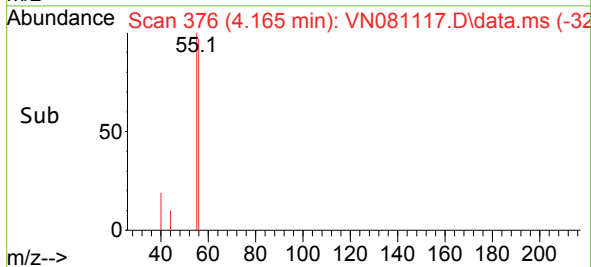
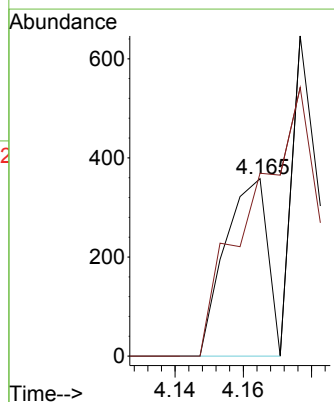
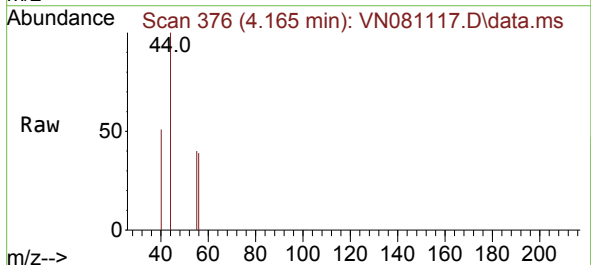
Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

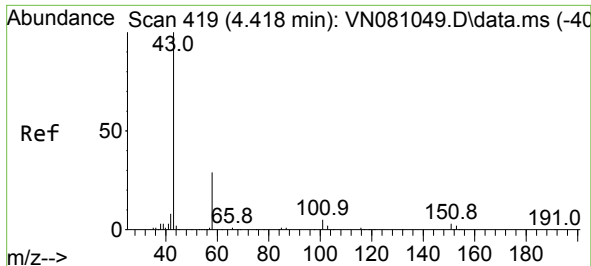
Tgt Ion: 59 Resp: 943
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.791 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

Tgt Ion: 56 Resp: 309
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

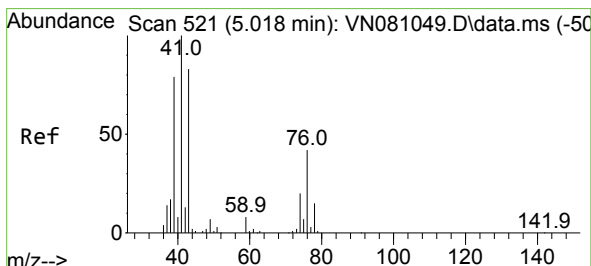
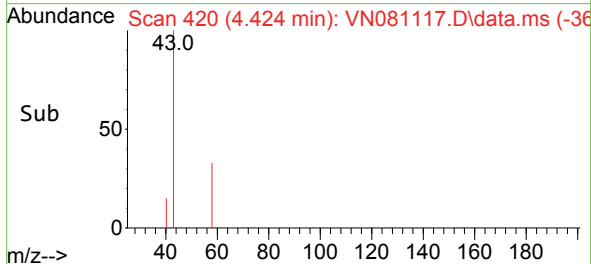
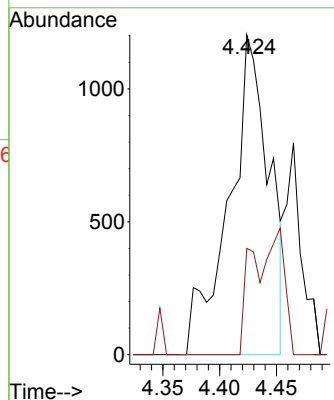
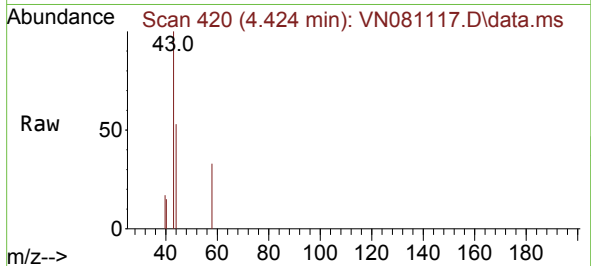




#16
Acetone
Concen: 1.875 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

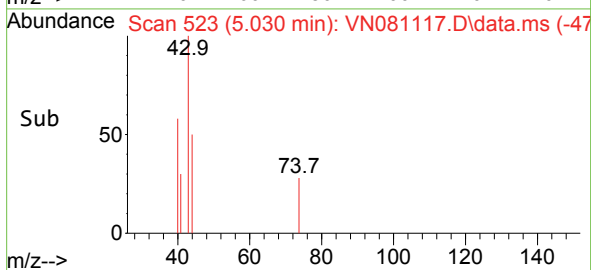
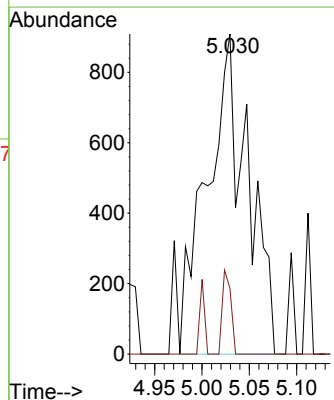
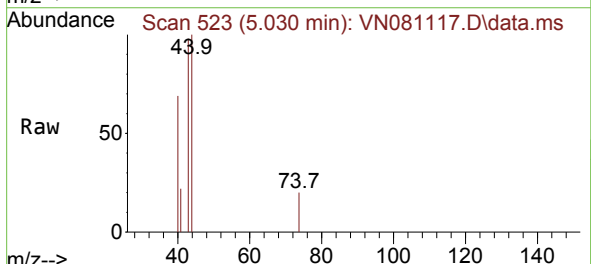
Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

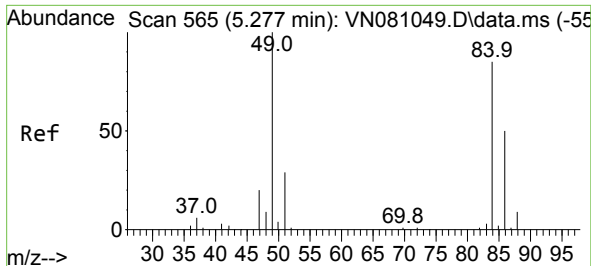
Tgt Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
58 33.2 24.8 37.2



#18
Methyl Acetate
Concen: 0.718 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.011 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

Tgt Ion: 43 Resp: 2734
Ion Ratio Lower Upper
43 100
74 5.5 17.3 25.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.282 min Scan# 5

Delta R.T. 0.005 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

Instrument :

MSVOA_N

ClientSampleId :

AUD-1327

Tgt Ion: 84 Resp: 1402

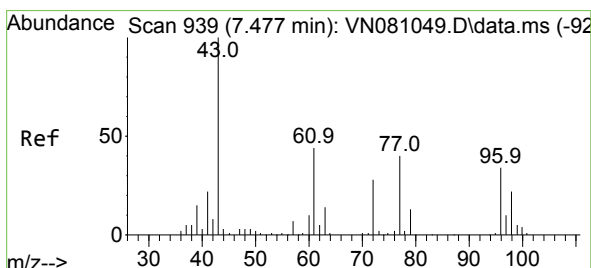
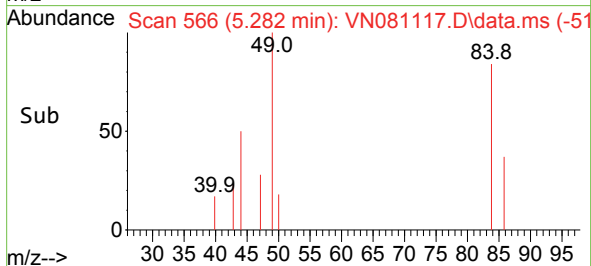
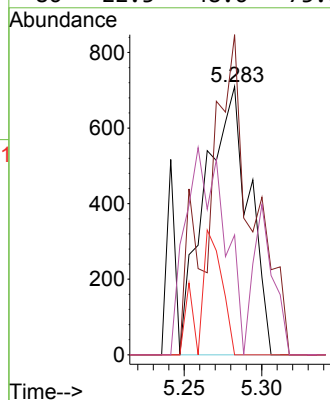
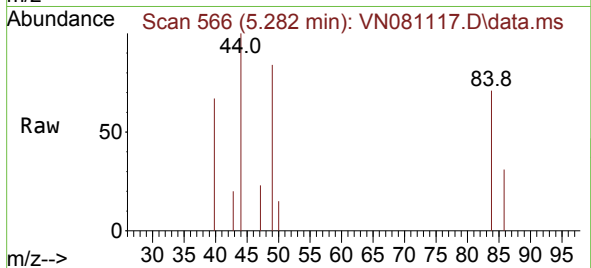
Ion Ratio Lower Upper

84 100

49 119.3 108.1 162.1

51 0.0 32.9 49.3#

86 22.3 48.6 73.0#



#25

2-Butanone

Concen: 0.223 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.006 min

Lab File: VN081117.D

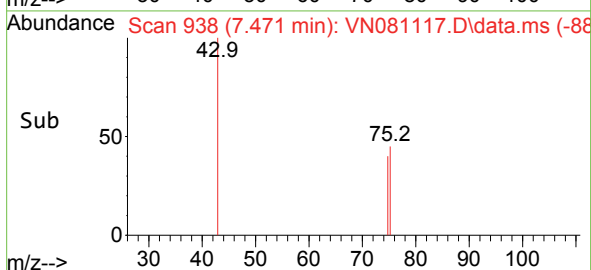
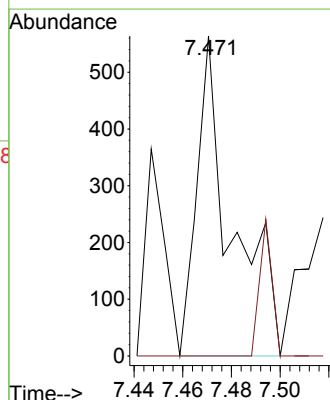
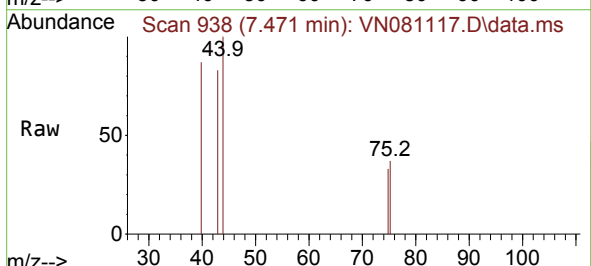
Acq: 21 Feb 2024 13:59

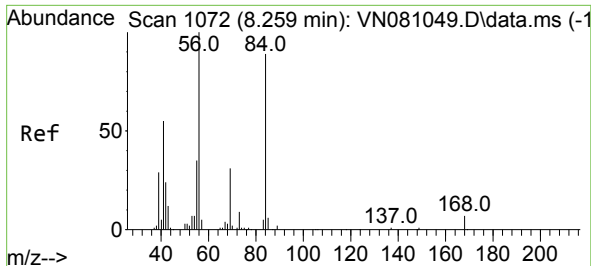
Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

72 0.0 19.5 29.3#

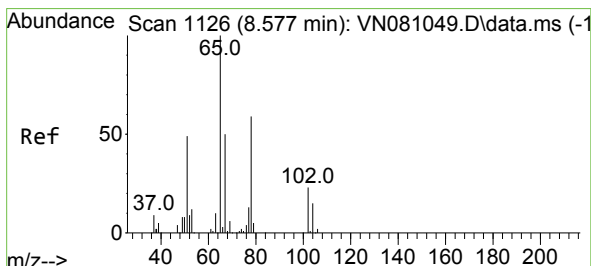
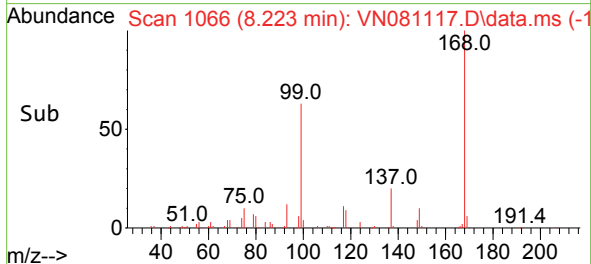
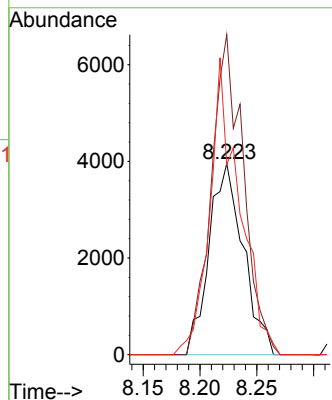
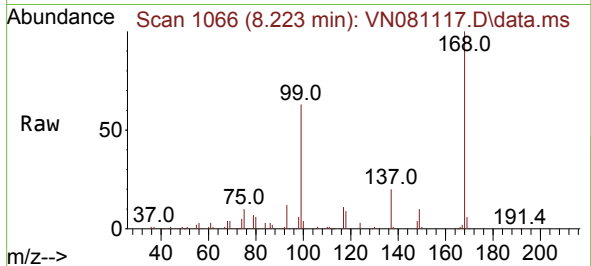




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

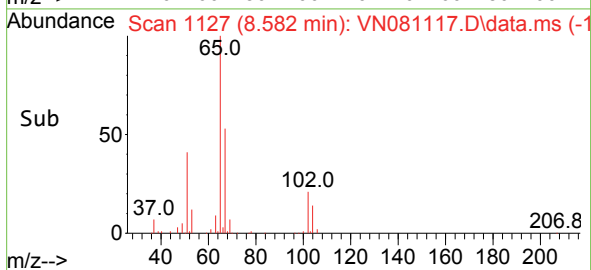
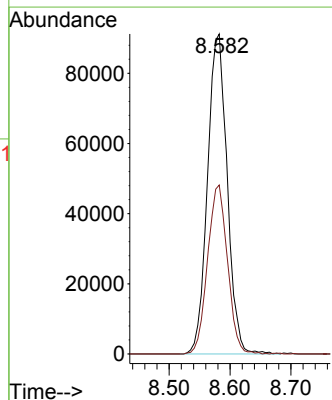
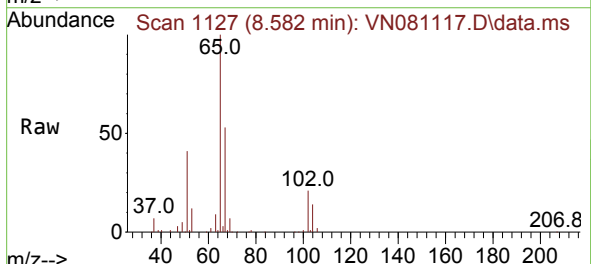
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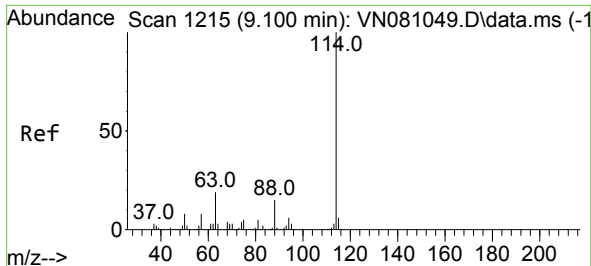
Tgt Ion: 56 Resp: 8277
Ion Ratio Lower Upper
56 100
69 167.3 20.1 30.1#
84 106.5 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.570 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

Tgt Ion: 65 Resp: 204488
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.4

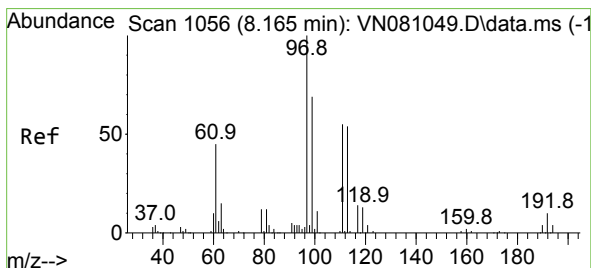
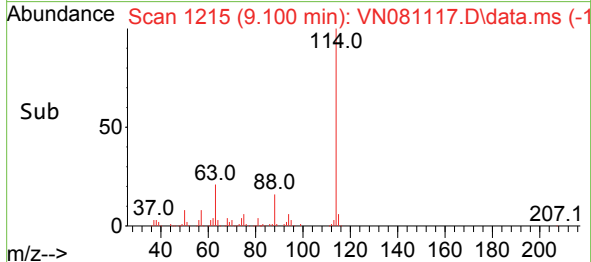
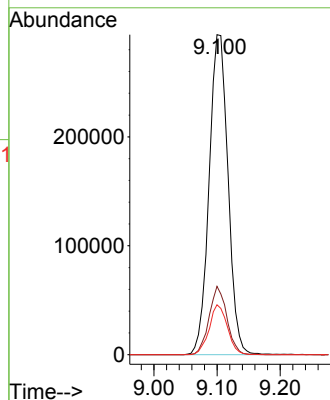
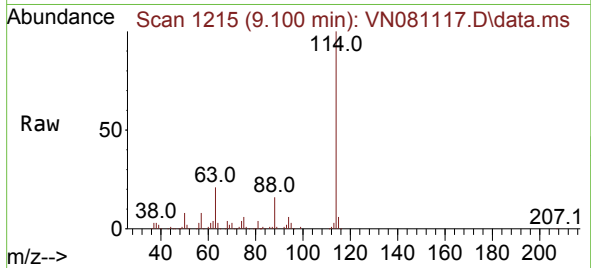




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

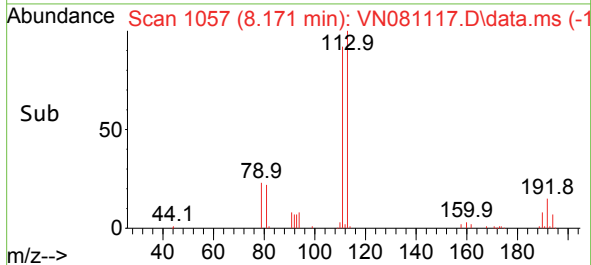
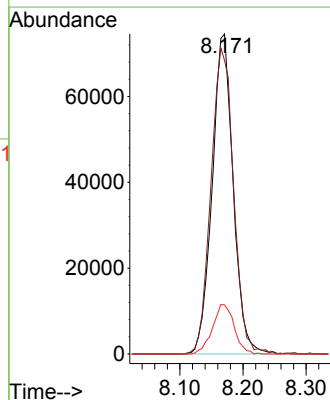
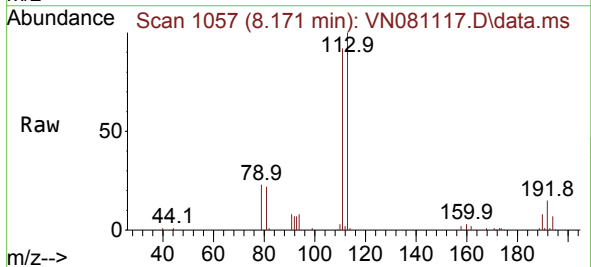
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AUD-1327

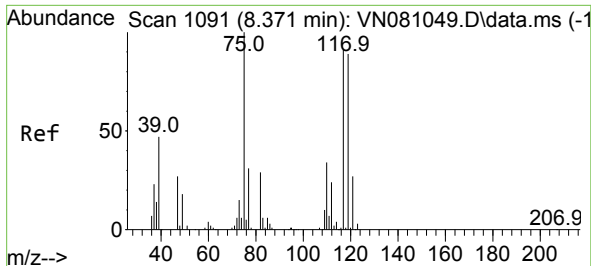
Tgt Ion:114 Resp: 610798
Ion Ratio Lower Upper
114 100
63 21.4 0.0 48.0
88 15.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.878 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

Tgt Ion:113 Resp: 172273
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 16.0 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.946 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

Instrument :

MSVOA_N

ClientSampleId :

AUD-1327

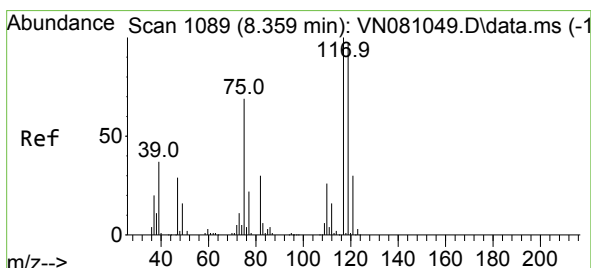
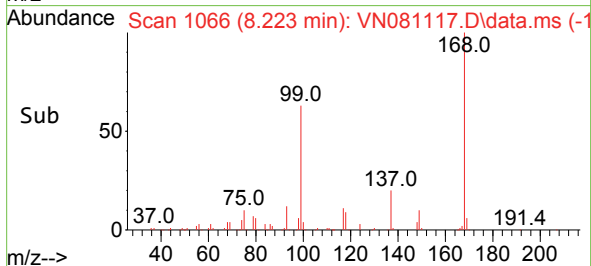
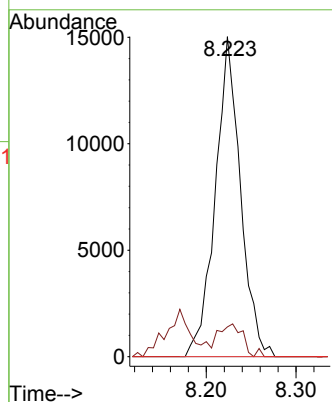
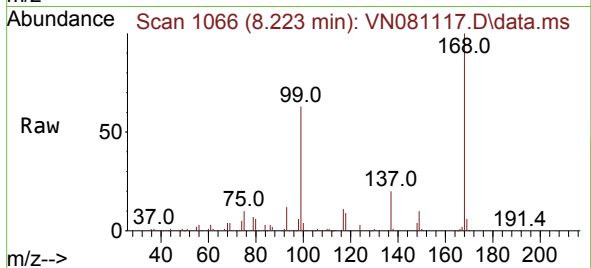
Tgt Ion: 75 Resp: 29266

Ion Ratio Lower Upper

75 100

110 10.9 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.011 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

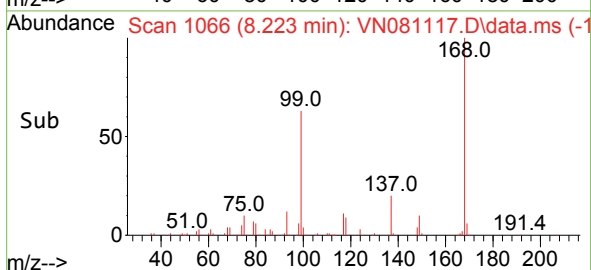
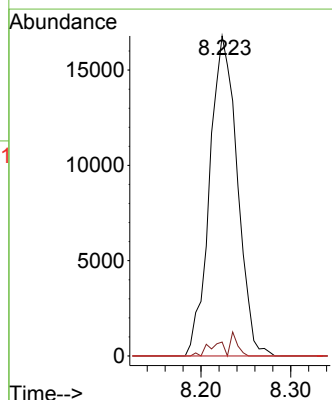
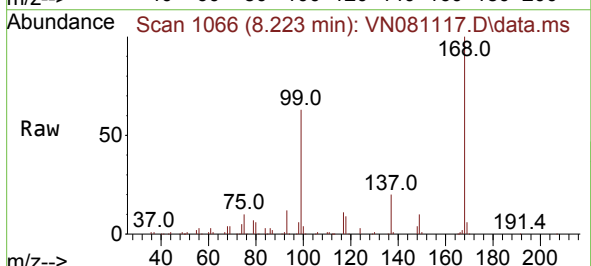
Tgt Ion: 117 Resp: 35984

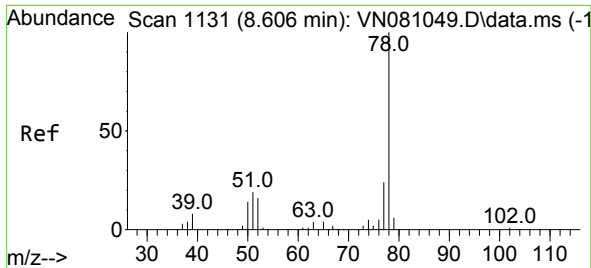
Ion Ratio Lower Upper

117 100

119 4.4 73.4 110.2#

121 0.0 24.4 36.6#

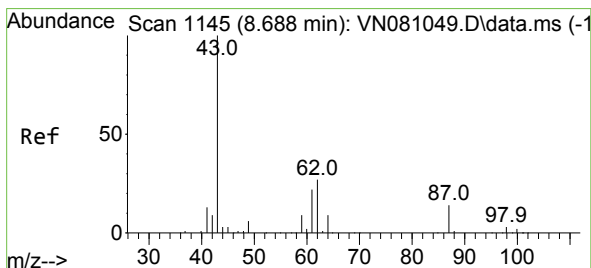
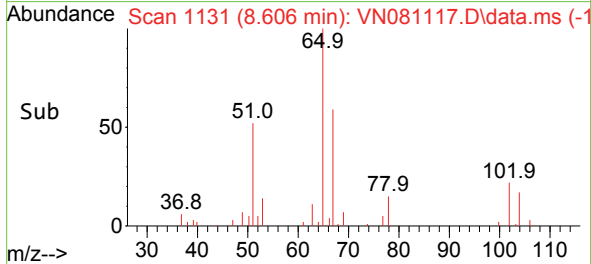
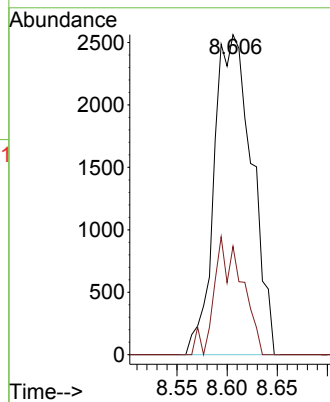
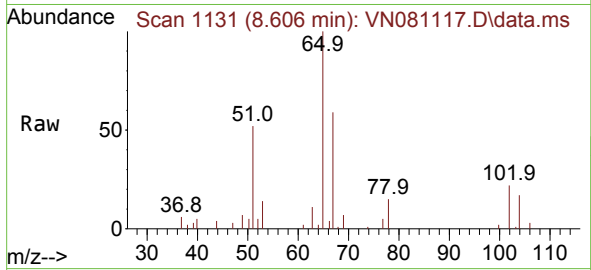




#40
Benzene
Concen: 0.391 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

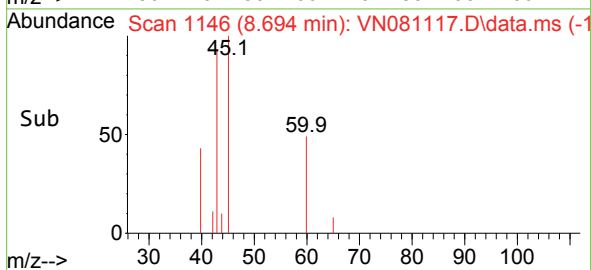
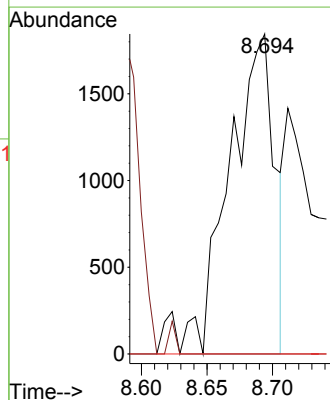
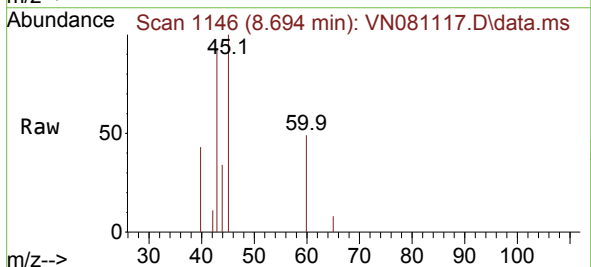
Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

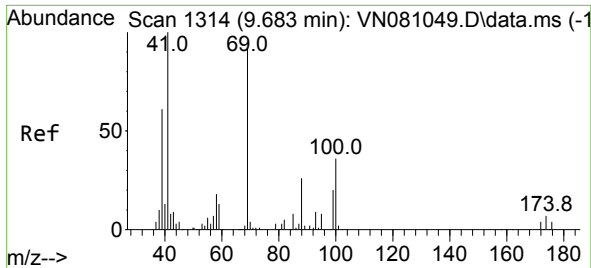
Tgt Ion: 78 Resp: 6702
Ion Ratio Lower Upper
78 100
77 33.9 20.4 30.6#



#43
Isopropyl Acetate
Concen: 0.473 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081117.D
Acq: 21 Feb 2024 13:59

Tgt Ion: 43 Resp: 4414
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#





#48

Methyl methacrylate

Concen: 0.231 ug/l

RT: 9.653 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

Instrument :

MSVOA_N

ClientSampleId :

AUD-1327

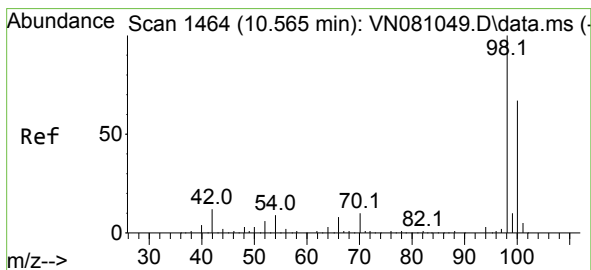
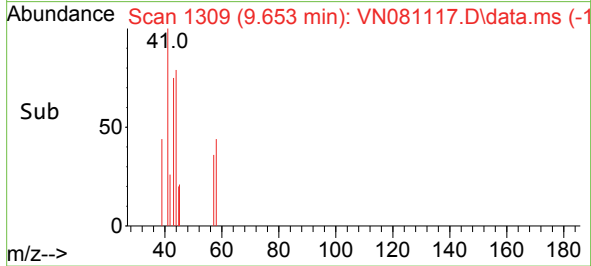
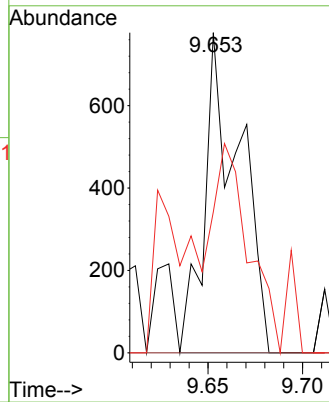
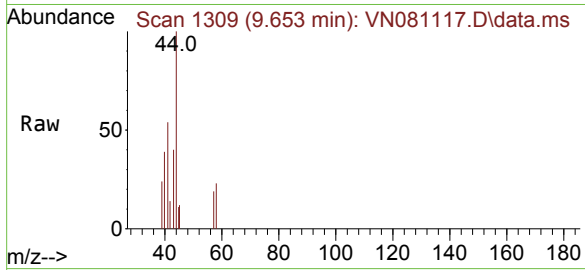
Tgt Ion: 41 Resp: 1002

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 66.5 47.6 71.4



#50

Toluene-d8

Concen: 47.361 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081117.D

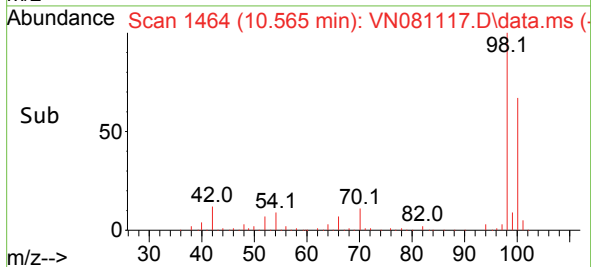
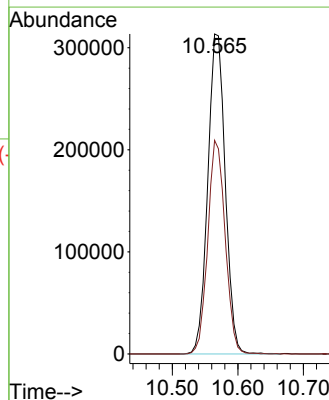
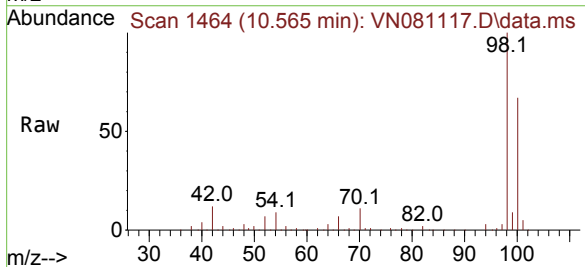
Acq: 21 Feb 2024 13:59

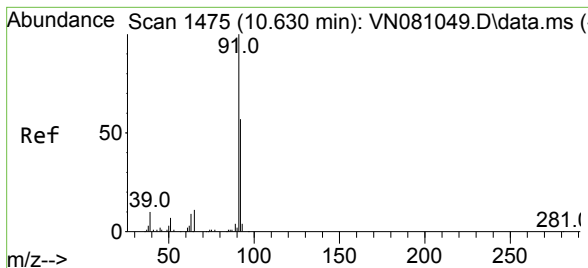
Tgt Ion: 98 Resp: 580994

Ion Ratio Lower Upper

98 100

100 66.4 51.4 77.0





#52

Toluene

Concen: 0.329 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

Instrument :

MSVOA_N

ClientSampleId :

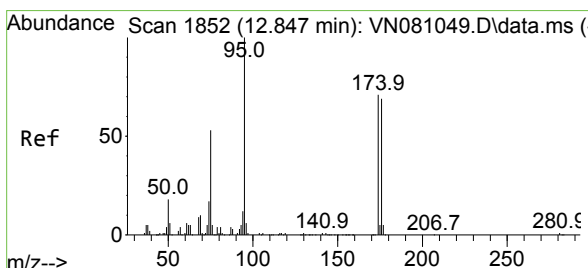
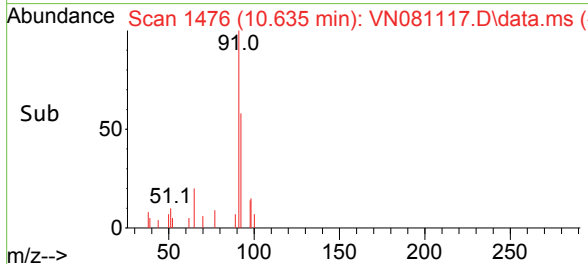
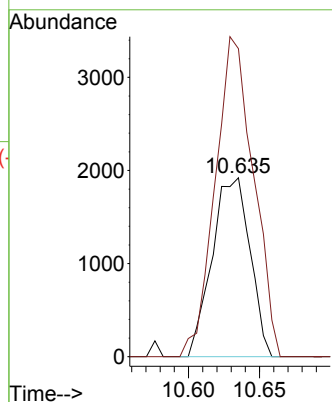
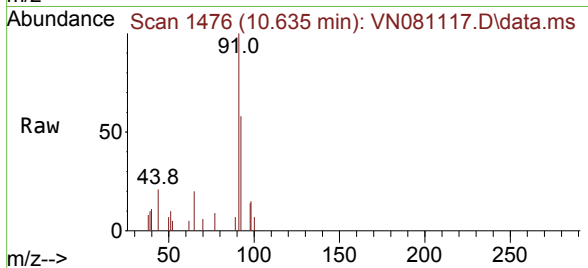
AUD-1327

Tgt Ion: 92 Resp: 3569

Ion Ratio Lower Upper

92 100

91 180.6 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 45.557 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

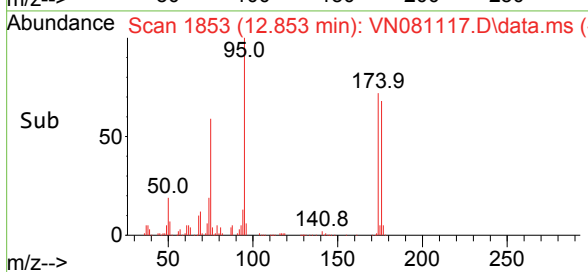
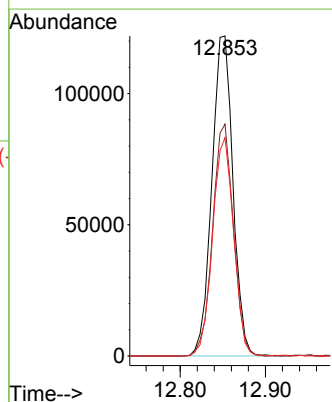
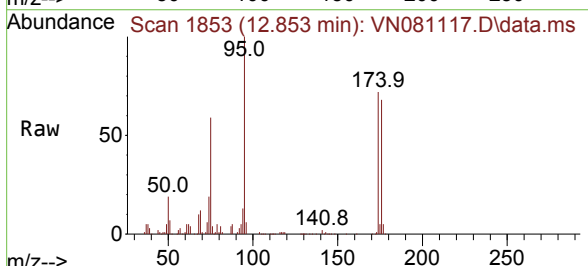
Tgt Ion: 95 Resp: 209994

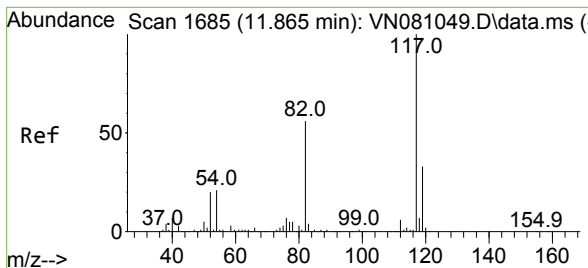
Ion Ratio Lower Upper

95 100

174 71.6 0.0 120.4

176 68.1 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

Instrument :

MSVOA_N

ClientSampleId :

AUD-1327

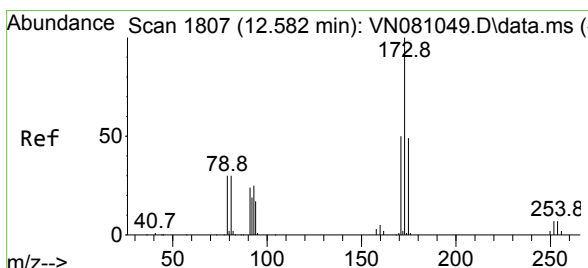
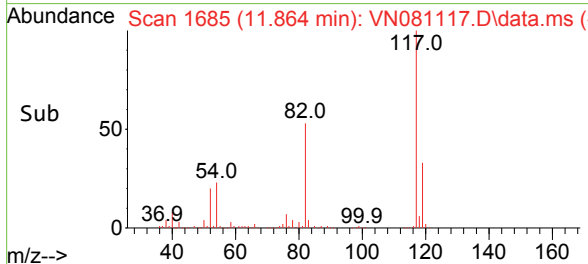
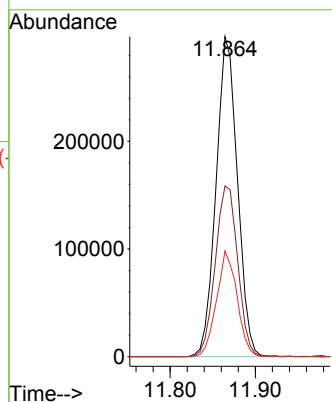
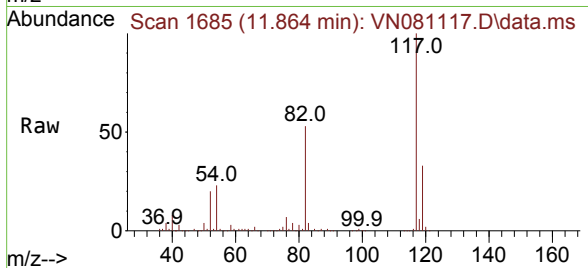
Tgt Ion:117 Resp: 517912

Ion Ratio Lower Upper

117 100

82 53.4 52.7 79.1

119 33.0 25.3 37.9



#71

Bromoform

Concen: 0.719 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

Lab File: VN081117.D

Acq: 21 Feb 2024 13:59

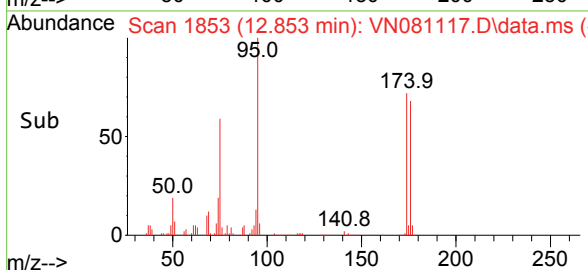
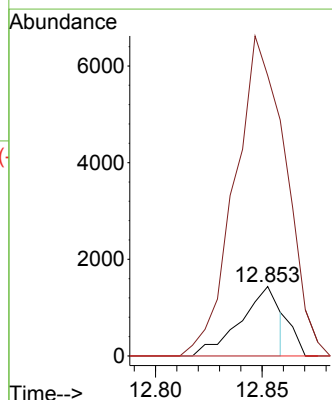
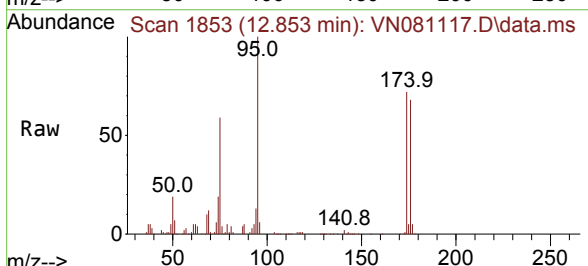
Tgt Ion:173 Resp: 1836

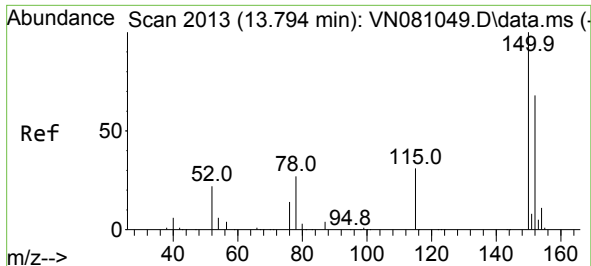
Ion Ratio Lower Upper

173 100

175 516.1 23.1 69.2#

254 0.0 0.0 0.0

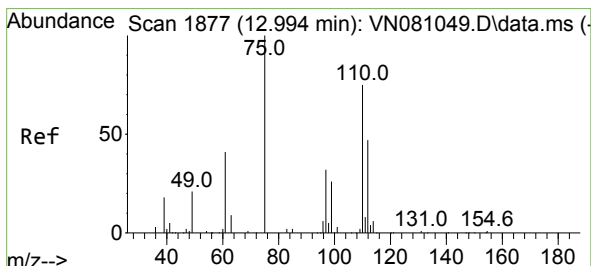
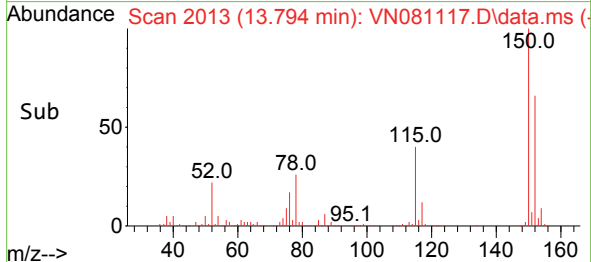
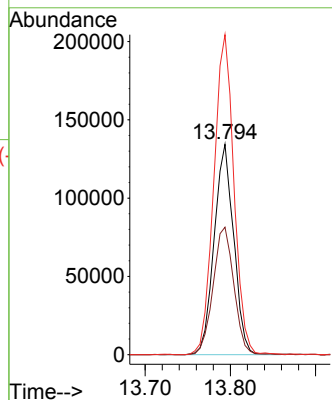
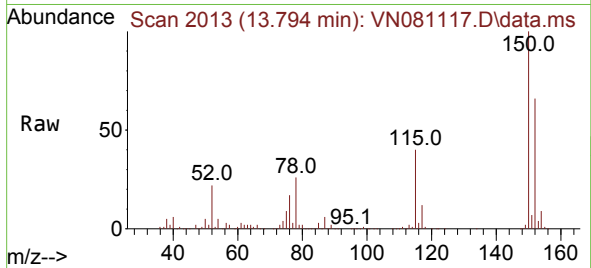




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081117.D
 Acq: 21 Feb 2024 13:59

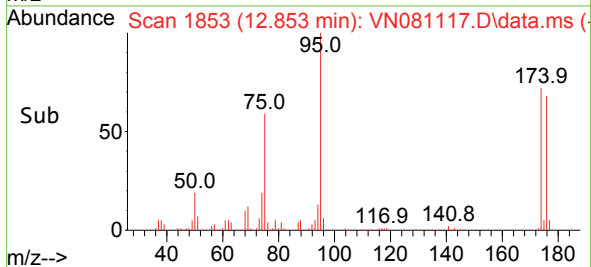
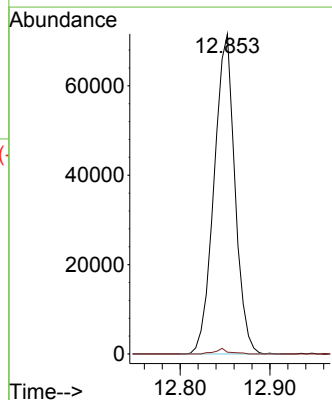
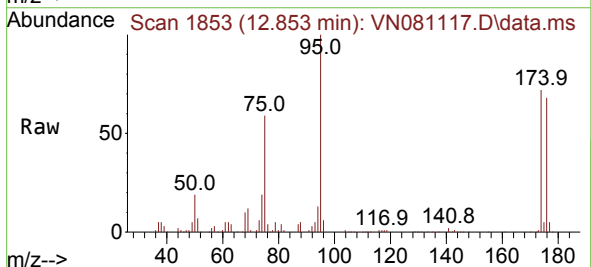
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1327

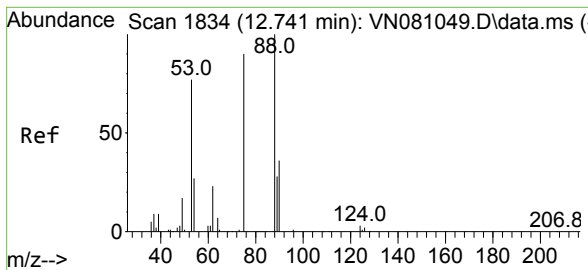
Tgt Ion:152 Resp: 214767
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.3 96.8
 150 156.4 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 23.647 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081117.D
 Acq: 21 Feb 2024 13:59

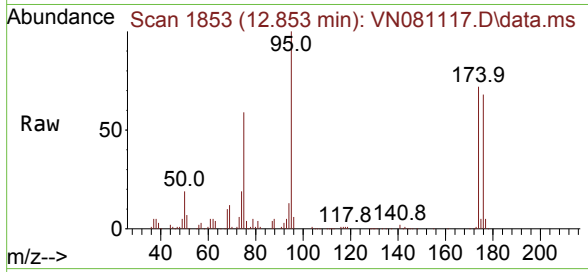
Tgt Ion: 75 Resp: 115389
 Ion Ratio Lower Upper
 75 100
 77 1.1 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.865 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN081117.D
 Acq: 21 Feb 2024 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1327



Tgt Ion: 75 Resp: 115389
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

