

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080839.D
 Acq On : 31 Jan 2024 14:45
 Operator : JC\MD
 Sample : P1278-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1316

Quant Time: Jan 31 23:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

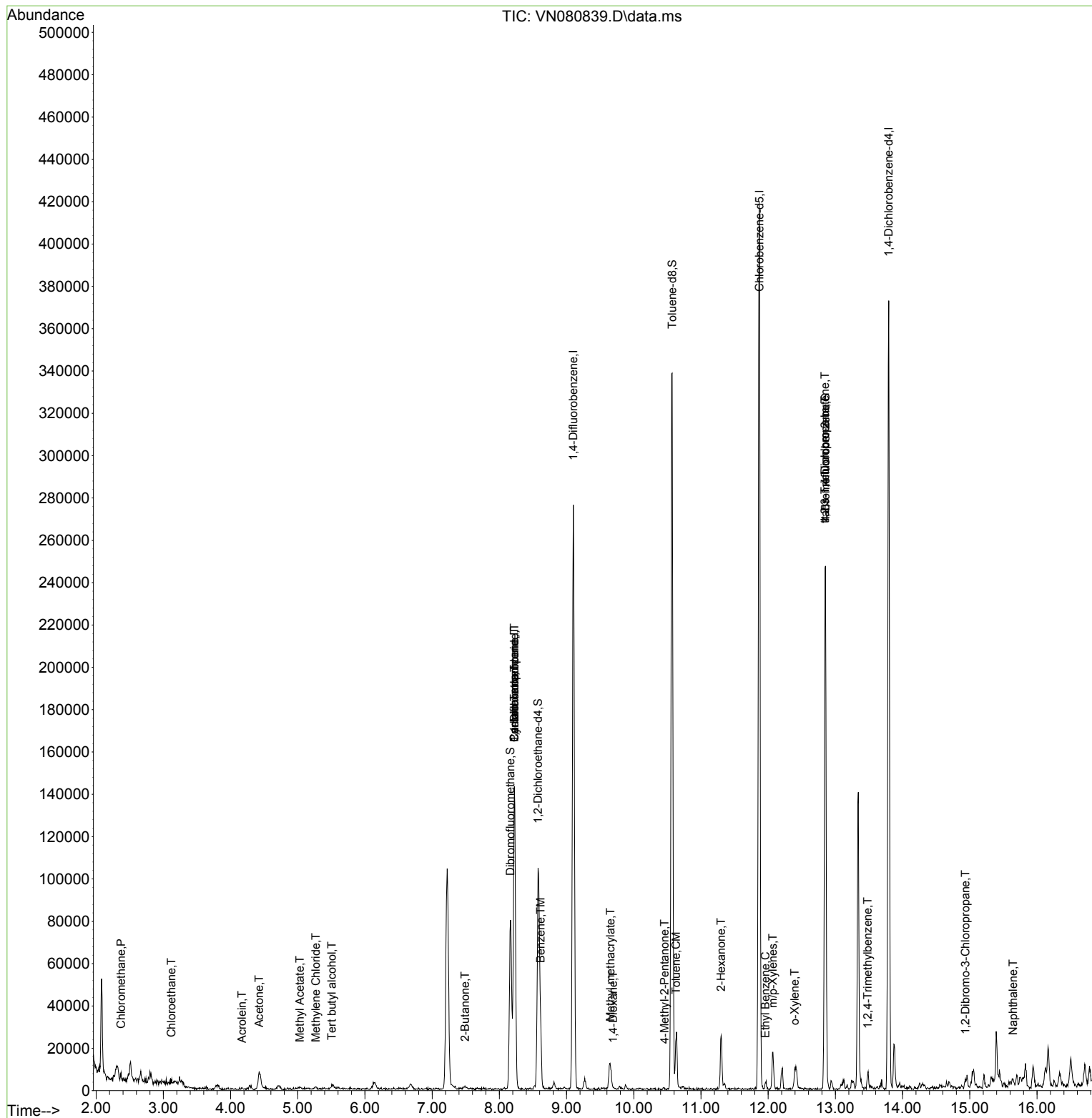
Internal Standards						
1) Pentafluorobenzene	8.224	168	89495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	209210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	212660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	72374	46.746	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.500%		
35) Dibromofluoromethane	8.165	113	53434	41.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	83.500%		
50) Toluene-d8	10.571	98	224132	44.740	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.480%		
62) 4-Bromofluorobenzene	12.853	95	85491	48.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.940%		
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	1659	0.830	ug/l #	85
6) Chloroethane	3.118	64	588	0.726	ug/l #	42
11) Tert butyl alcohol	5.506	59	1639	6.494	ug/l #	72
13) Acrolein	4.171	56	292	0.917	ug/l	99
16) Acetone	4.424	43	14829	26.409	ug/l	92
18) Methyl Acetate	5.030	43	1621	0.828	ug/l #	54
20) Methylene Chloride	5.271	84	435	0.295	ug/l #	29
25) 2-Butanone	7.488	43	1547	1.450	ug/l #	51
31) Cyclohexane	8.224	56	3834	1.444	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10471	4.401	ug/l #	49
38) Carbon Tetrachloride	8.224	117	12206	6.368	ug/l #	19
40) Benzene	8.612	78	31543	4.511	ug/l	93
48) Methyl methacrylate	9.653	41	4070	1.883	ug/l #	42
49) 1,4-Dioxane	9.694	88	110	4.225	ug/l #	31
51) 4-Methyl-2-Pentanone	10.459	43	576	0.231	ug/l #	62
52) Toluene	10.629	92	11001	2.744	ug/l	93
59) 2-Hexanone	11.300	43	4405	2.275	ug/l #	40
67) Ethyl Benzene	11.959	91	3189	0.370	ug/l #	77
68) m/p-Xylenes	12.071	106	5038	1.645	ug/l	96
69) o-Xylene	12.394	106	2557	0.840	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	51141	19.952	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51141	51.400	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	4043	0.644	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.935	75	114	0.223	ug/l #	13
95) Naphthalene	15.647	128	3863	0.720	ug/l #	88

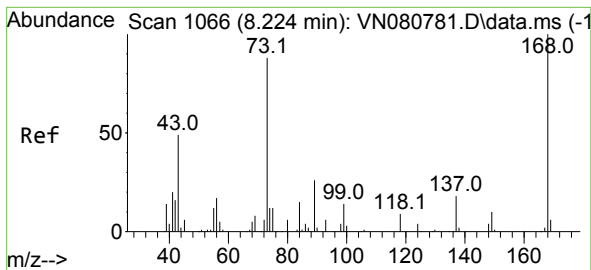
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
Data File : VN080839.D
Acq On : 31 Jan 2024 14:45
Operator : JC\MD
Sample : P1278-03RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

Quant Time: Jan 31 23:17:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080839.D

Acq: 31 Jan 2024 14:45

Instrument :

MSVOA_N

ClientSampleId :

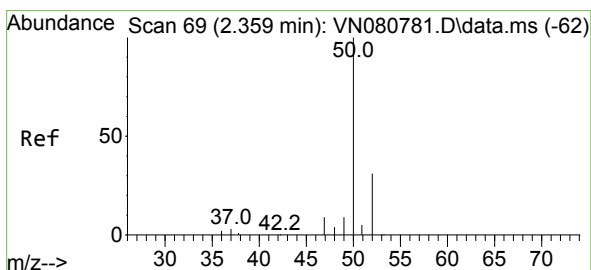
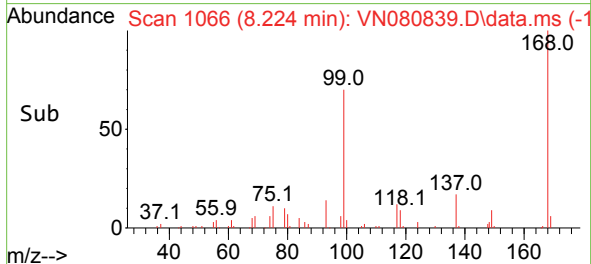
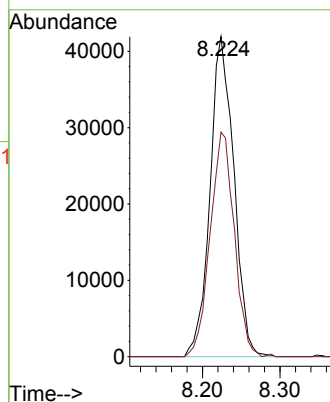
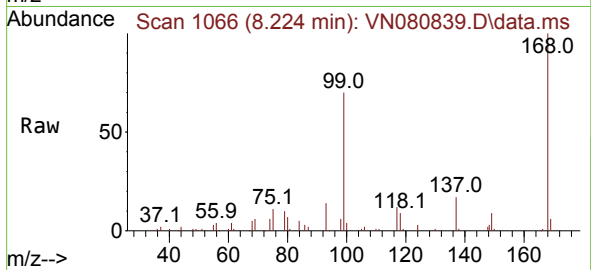
AUD-1316

Tgt Ion:168 Resp: 89495

Ion Ratio Lower Upper

168 100

99 70.2 59.9 89.9



#3

Chloromethane

Concen: 0.830 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080839.D

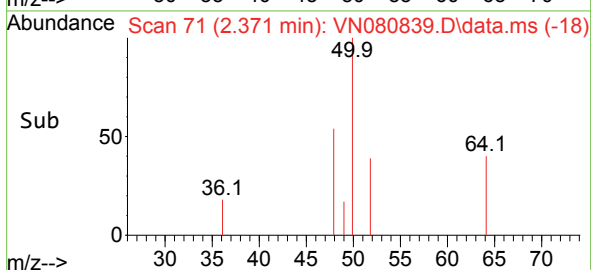
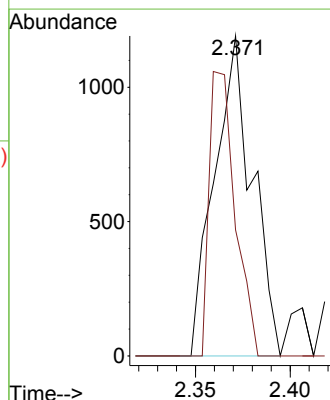
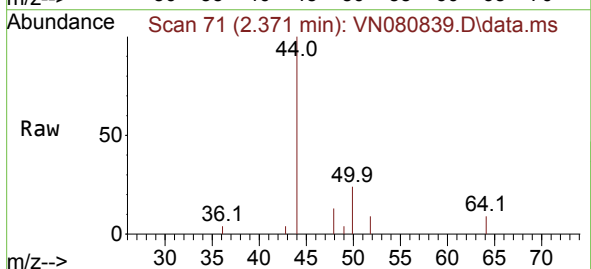
Acq: 31 Jan 2024 14:45

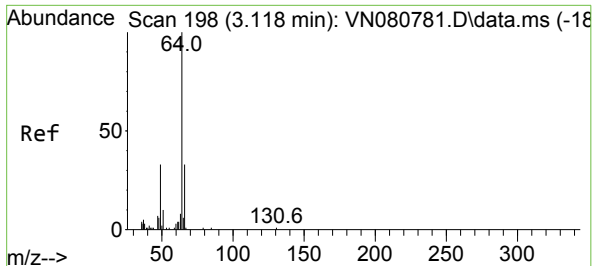
Tgt Ion: 50 Resp: 1659

Ion Ratio Lower Upper

50 100

52 39.4 25.0 37.4#

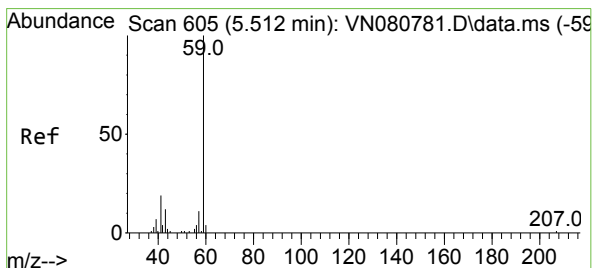
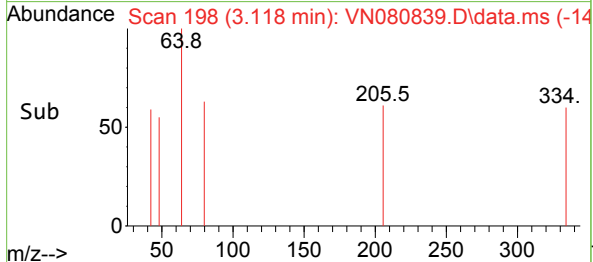
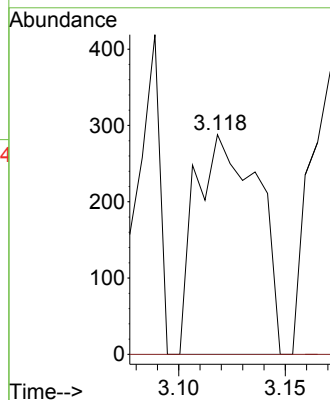
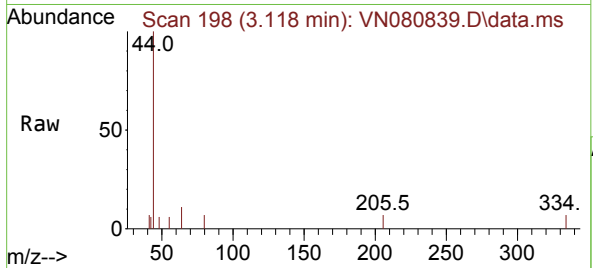




#6
Chloroethane
Concen: 0.726 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

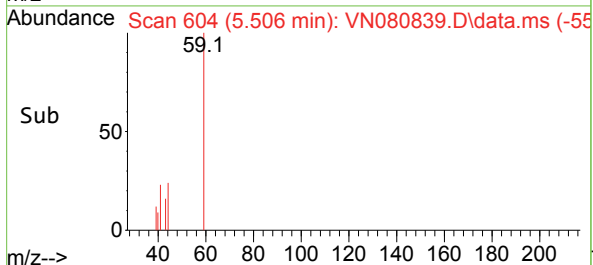
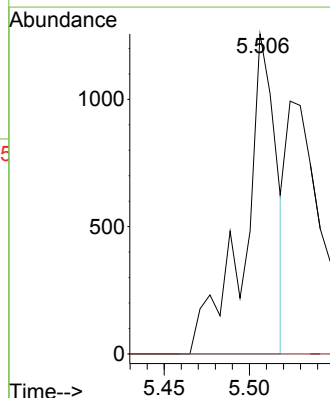
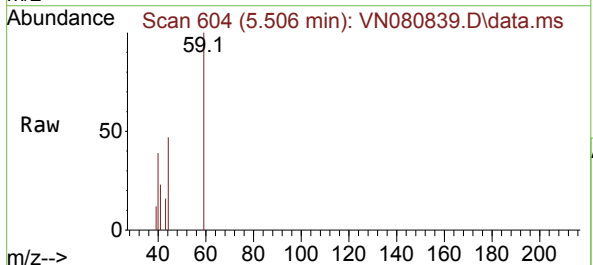
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

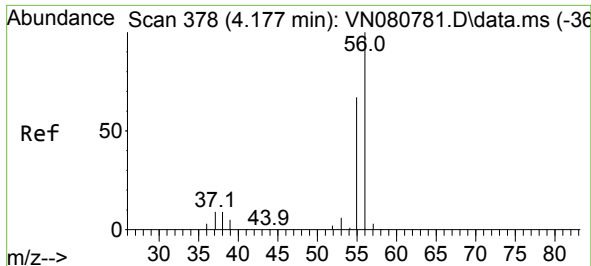
Tgt Ion: 64 Resp: 588
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 6.494 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 59 Resp: 1639
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.917 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN080839.D

Acq: 31 Jan 2024 14:45

Instrument :

MSVOA_N

ClientSampleId :

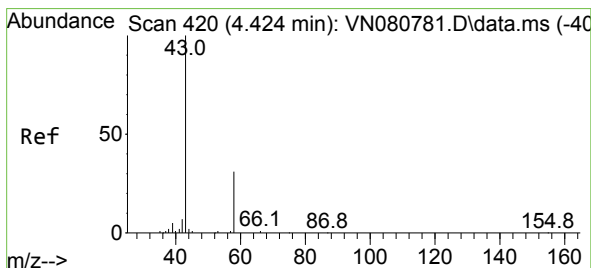
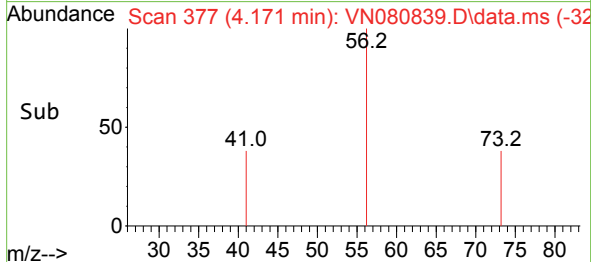
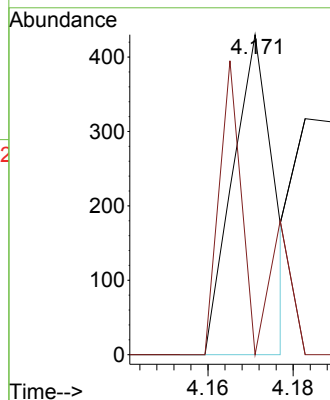
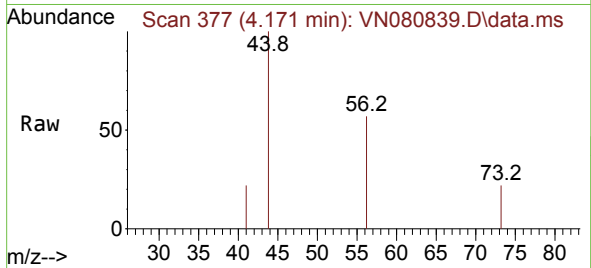
AUD-1316

Tgt Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 69.5 55.3 82.9



#16

Acetone

Concen: 26.409 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN080839.D

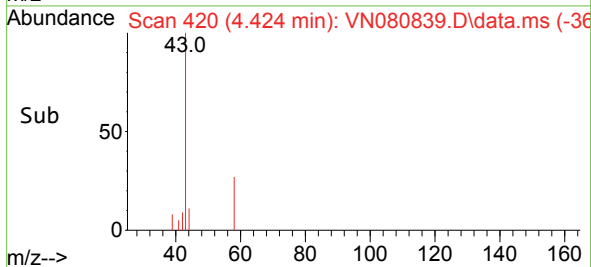
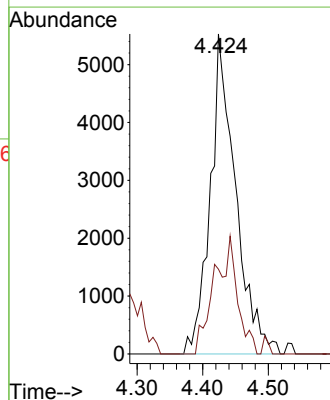
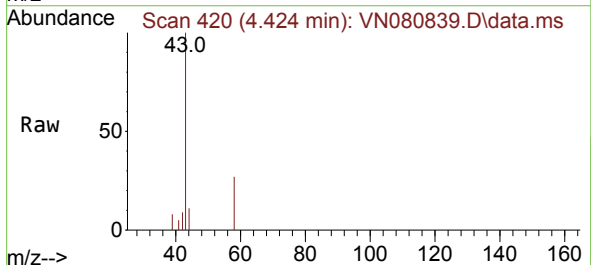
Acq: 31 Jan 2024 14:45

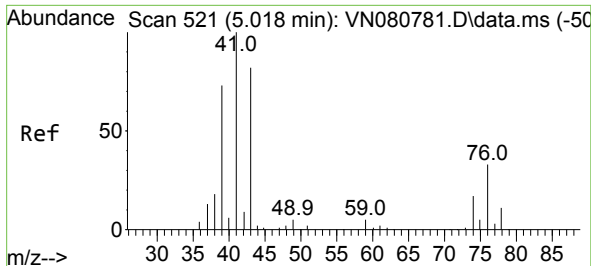
Tgt Ion: 43 Resp: 14829

Ion Ratio Lower Upper

43 100

58 26.5 24.8 37.2

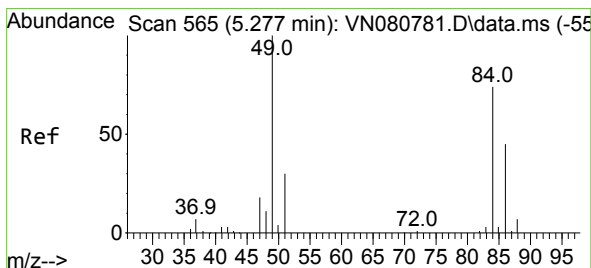
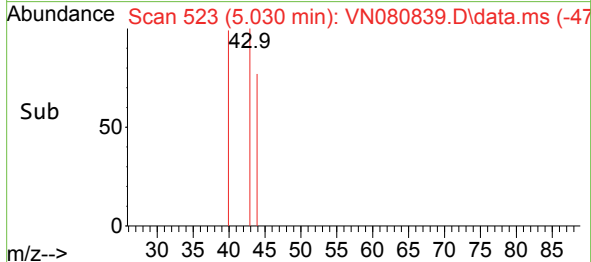
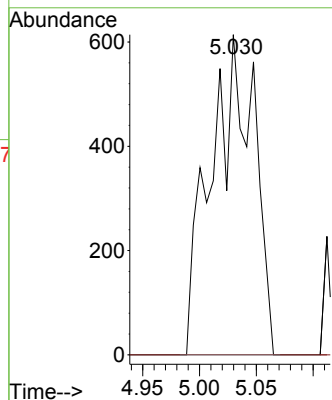
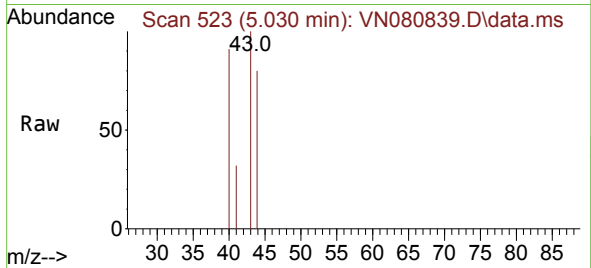




#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

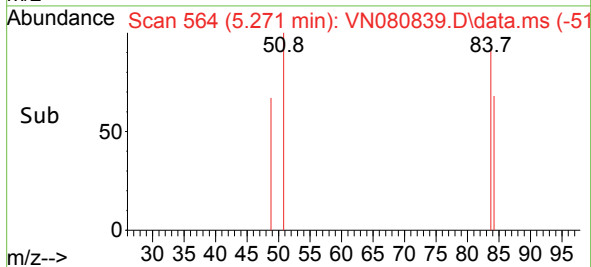
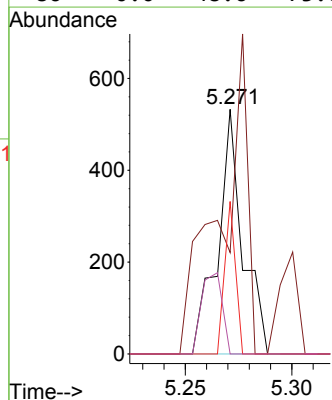
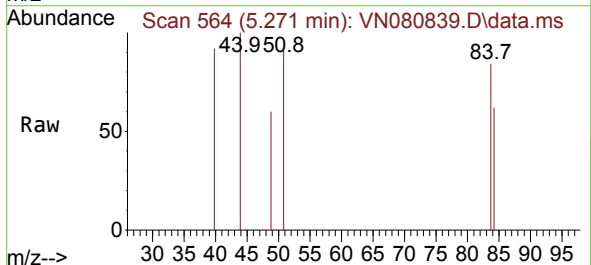
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

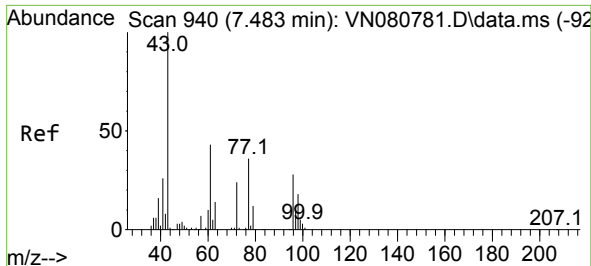
Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 0.295 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 84 Resp: 435
Ion Ratio Lower Upper
84 100
49 41.5 108.1 162.1#
51 62.3 32.9 49.3#
86 0.0 48.6 73.0#

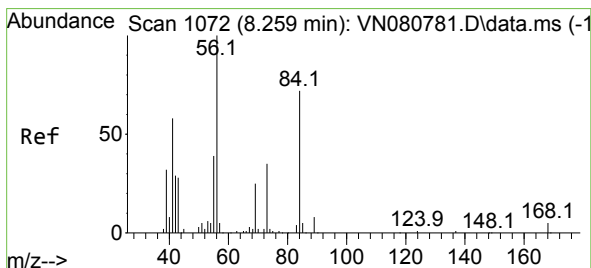
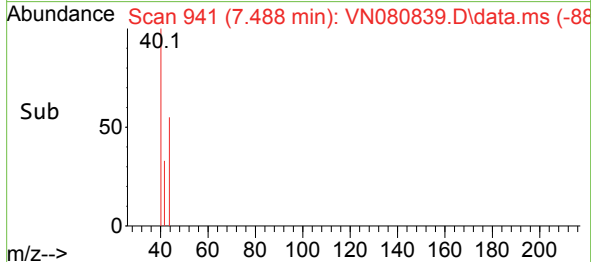
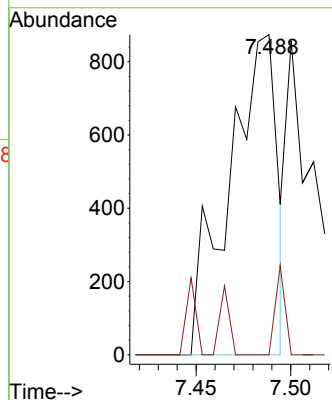
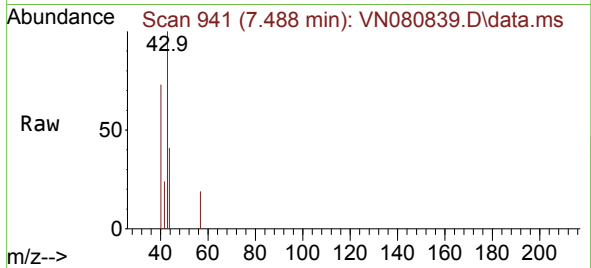




#25
2-Butanone
Concen: 1.450 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

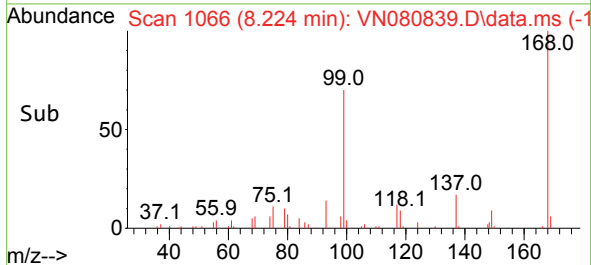
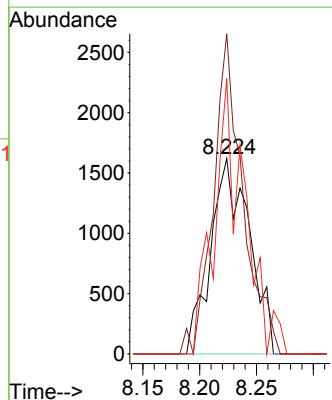
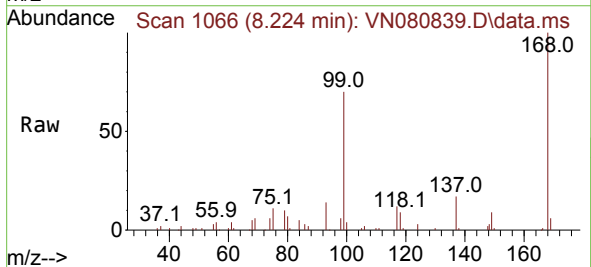
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

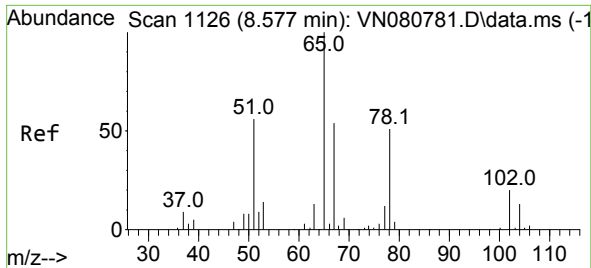
Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



#31
Cyclohexane
Concen: 1.444 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 56 Resp: 3834
Ion Ratio Lower Upper
56 100
69 163.9 20.1 30.1#
84 141.0 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 46.746 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080839.D

Acq: 31 Jan 2024 14:45

Instrument :

MSVOA_N

ClientSampleId :

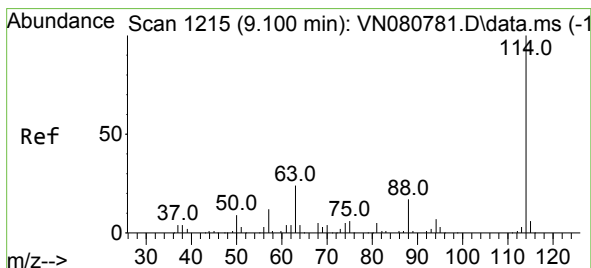
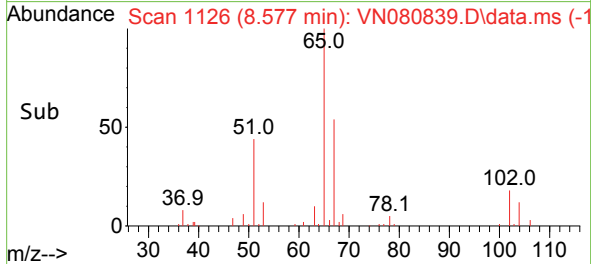
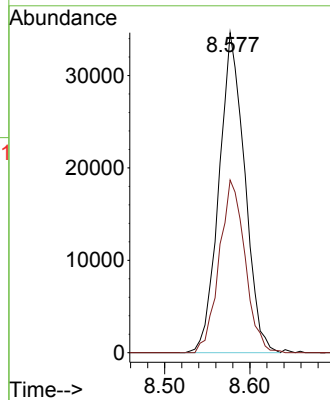
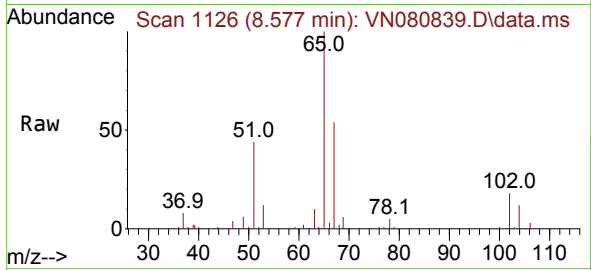
AUD-1316

Tgt Ion: 65 Resp: 72374

Ion Ratio Lower Upper

65 100

67 54.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080839.D

Acq: 31 Jan 2024 14:45

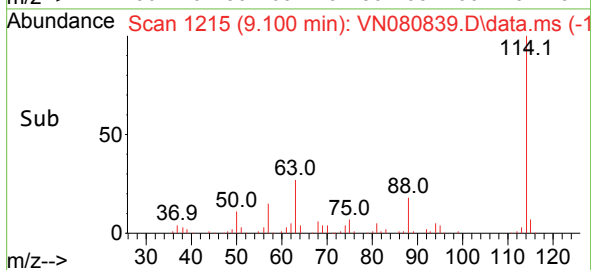
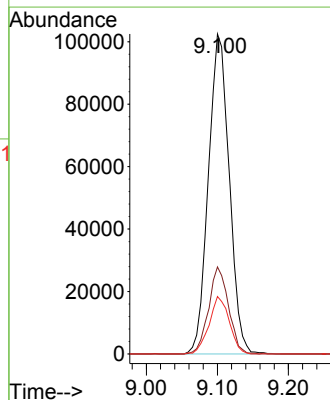
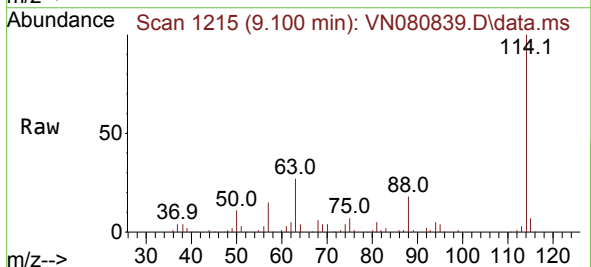
Tgt Ion: 114 Resp: 209210

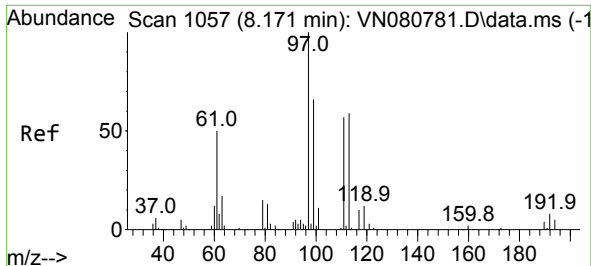
Ion Ratio Lower Upper

114 100

63 27.2 0.0 48.0

88 17.9 0.0 34.8

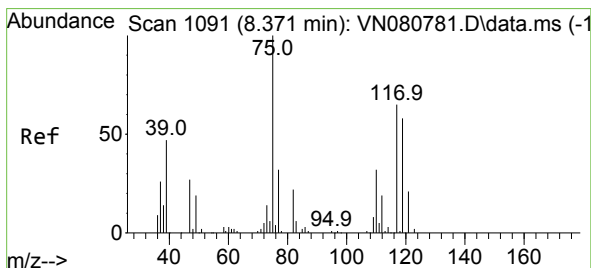
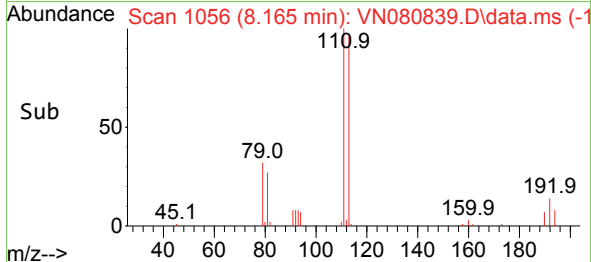
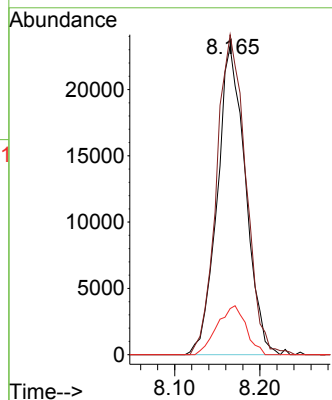
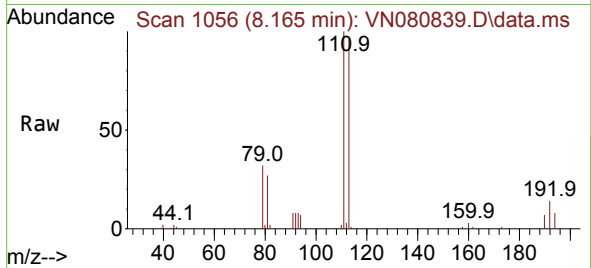




#35
Dibromofluoromethane
Concen: 41.747 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

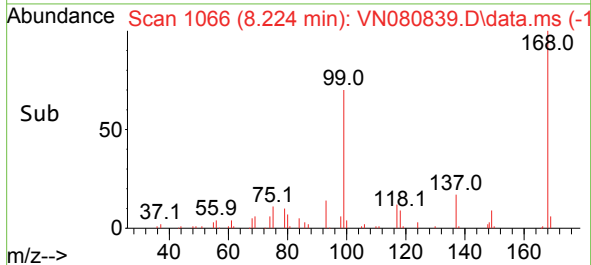
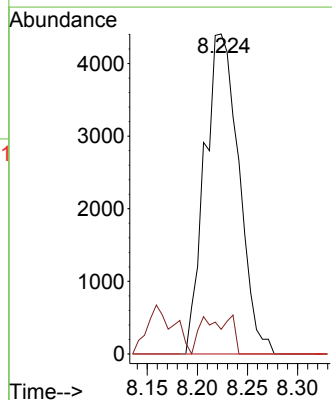
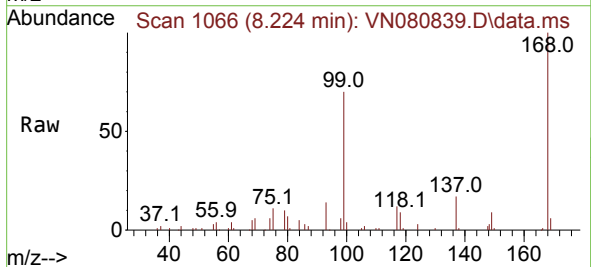
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

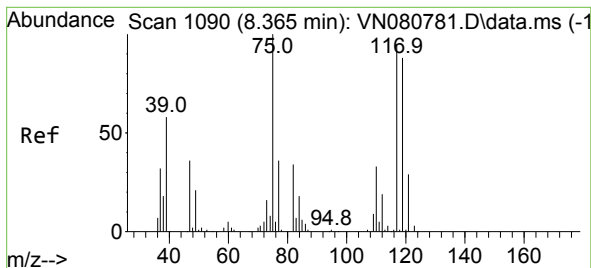
Tgt Ion:113 Resp: 53434
Ion Ratio Lower Upper
113 100
111 107.8 82.2 123.4
192 16.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 75 Resp: 10471
Ion Ratio Lower Upper
75 100
110 6.8 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.368 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080839.D

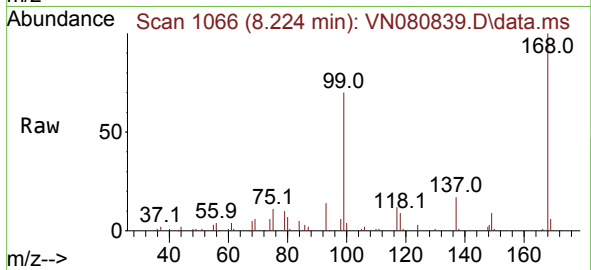
Acq: 31 Jan 2024 14:45

Instrument :

MSVOA_N

ClientSampleId :

AUD-1316



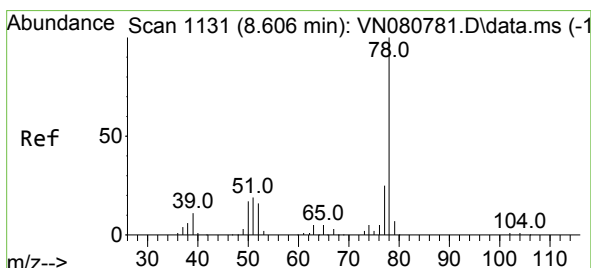
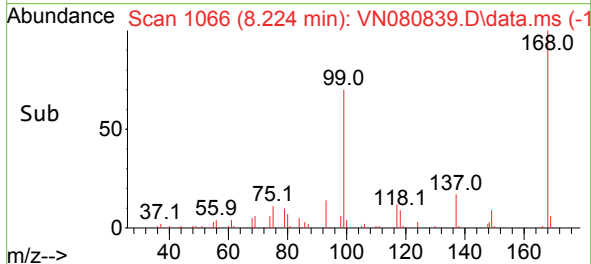
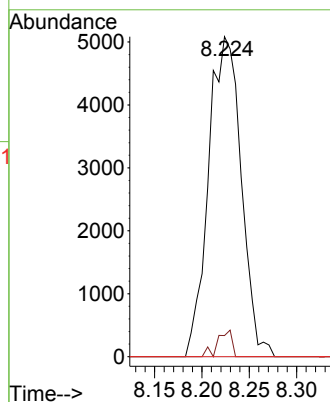
Tgt Ion:117 Resp: 12206

Ion Ratio Lower Upper

117 100

119 6.6 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 4.511 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN080839.D

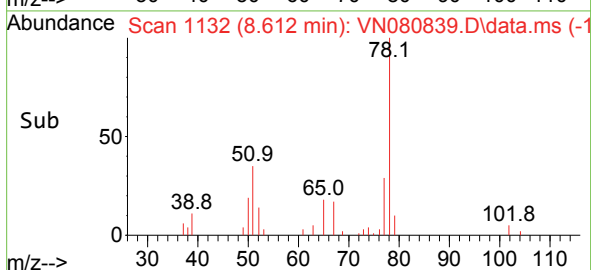
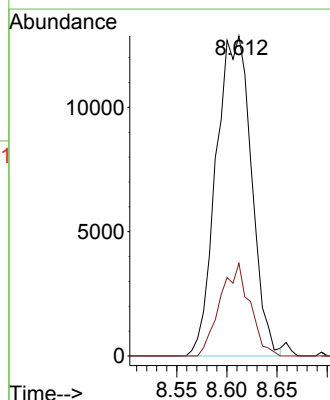
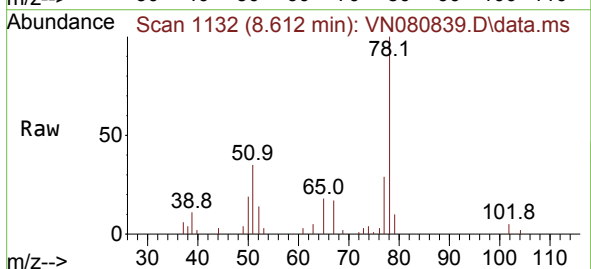
Acq: 31 Jan 2024 14:45

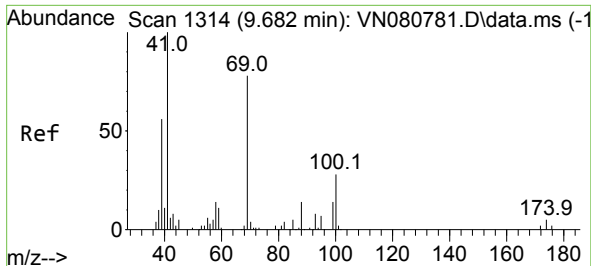
Tgt Ion: 78 Resp: 31543

Ion Ratio Lower Upper

78 100

77 29.0 20.4 30.6

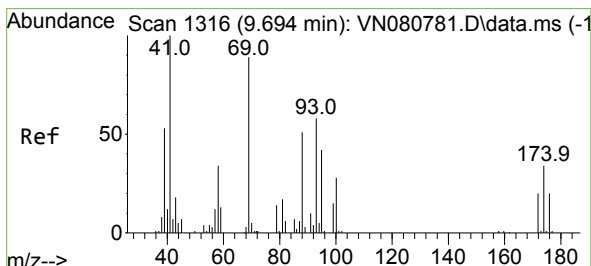
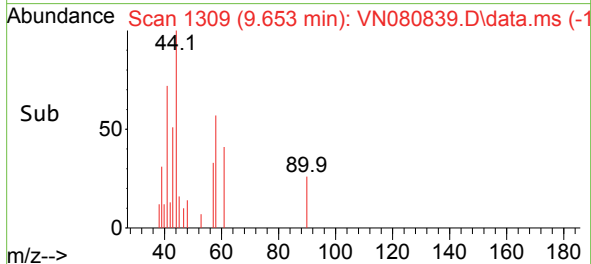
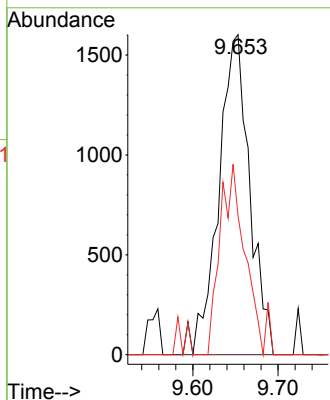
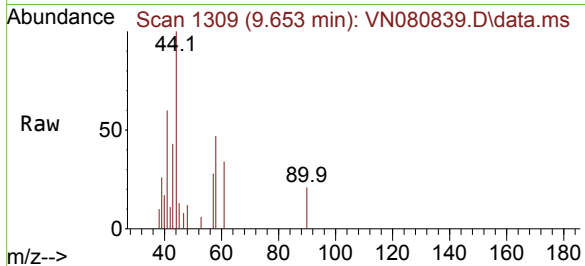




#48
Methyl methacrylate
Concen: 1.883 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.029 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

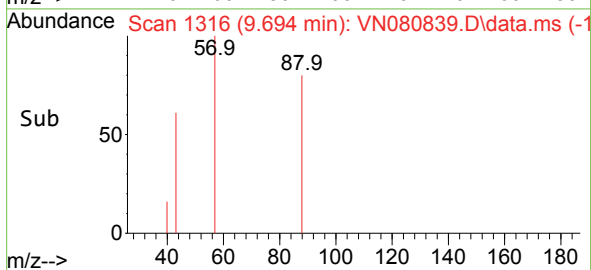
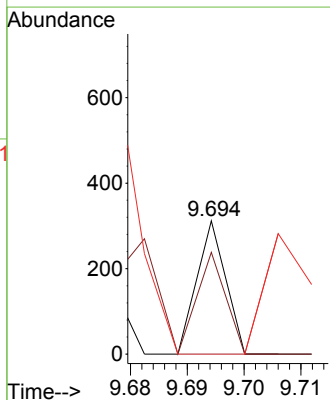
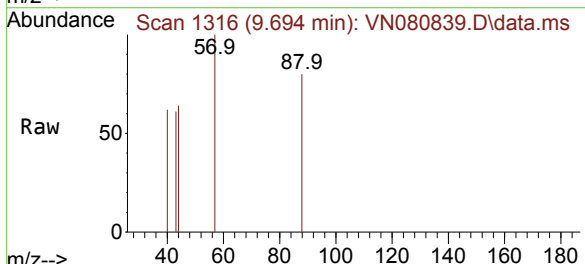
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

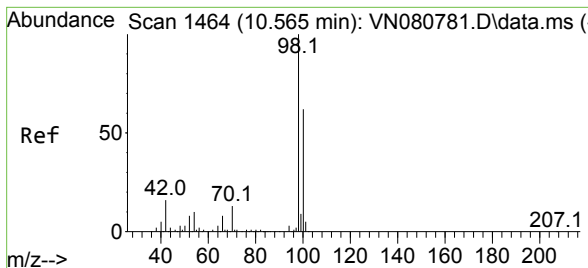
Tgt Ion: 41 Resp: 4070
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 46.9 47.6 71.4#



#49
1,4-Dioxane
Concen: 4.225 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 142.7 63.9 95.9#

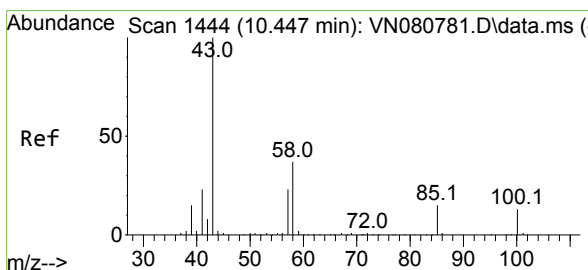
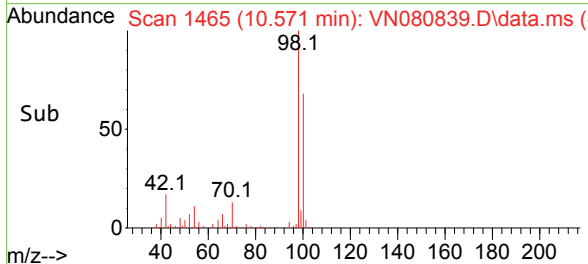
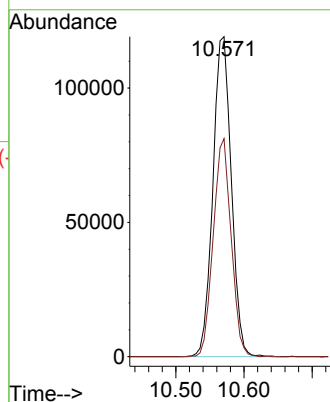
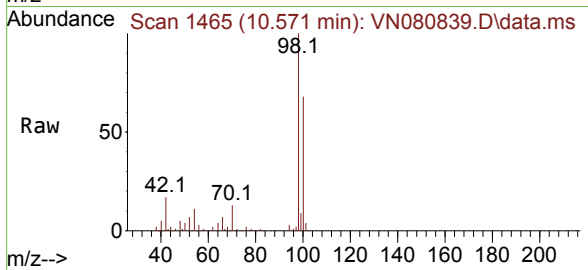




#50
Toluene-d8
Concen: 44.740 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

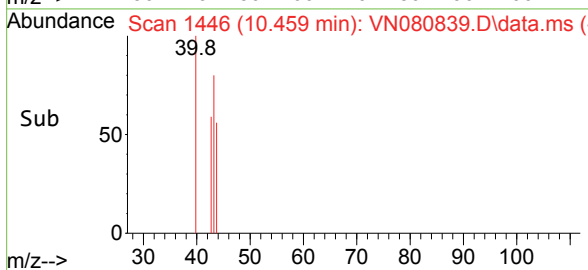
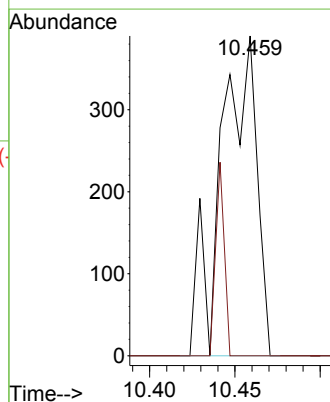
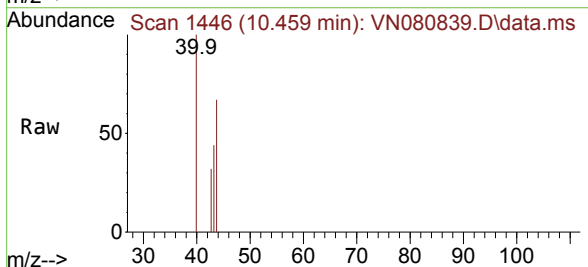
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

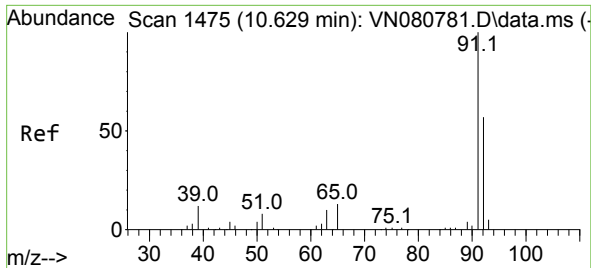
Tgt Ion: 98 Resp: 224132
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 14.4 29.4 44.0#

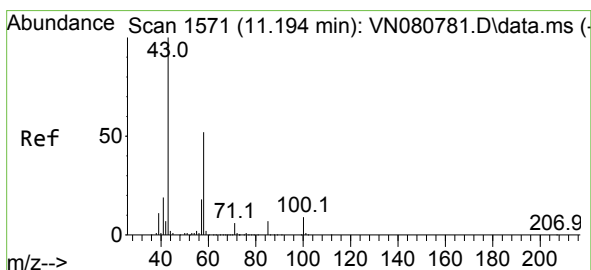
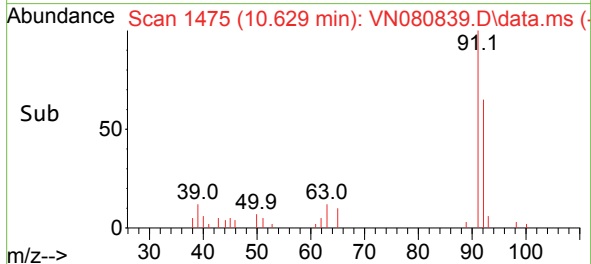
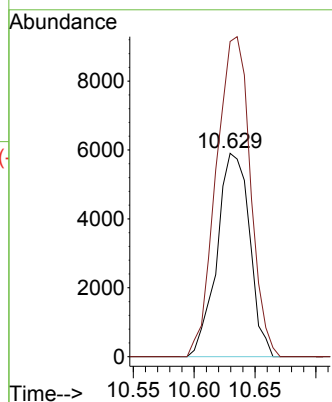
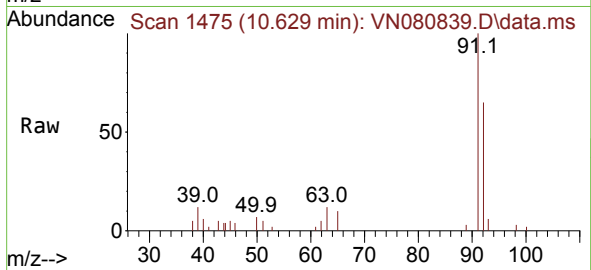




#52
Toluene
Concen: 2.744 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

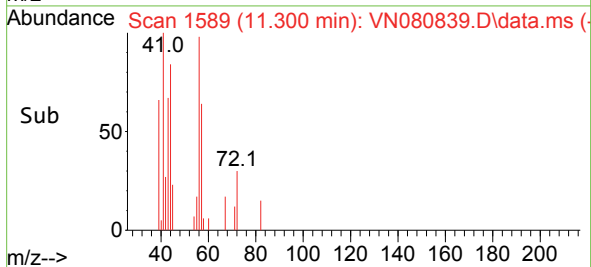
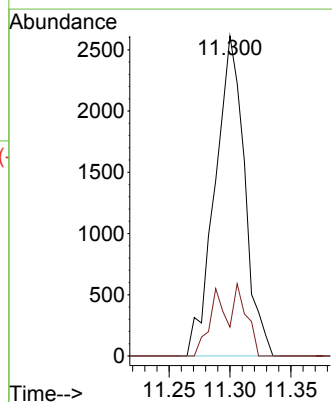
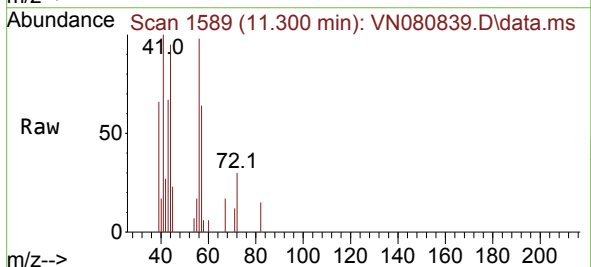
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

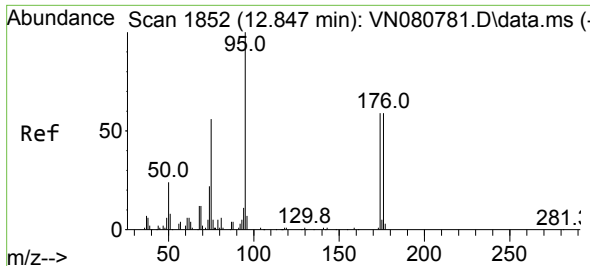
Tgt Ion: 92 Resp: 11001
Ion Ratio Lower Upper
92 100
91 164.9 139.4 209.0



#59
2-Hexanone
Concen: 2.275 ug/l
RT: 11.300 min Scan# 1589
Delta R.T. 0.106 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 43 Resp: 4405
Ion Ratio Lower Upper
43 100
58 9.7 25.9 77.8#

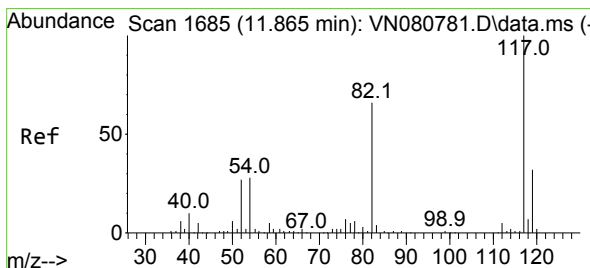
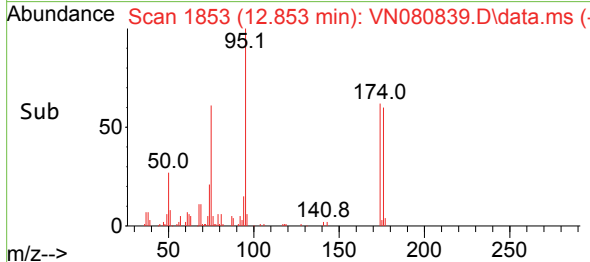
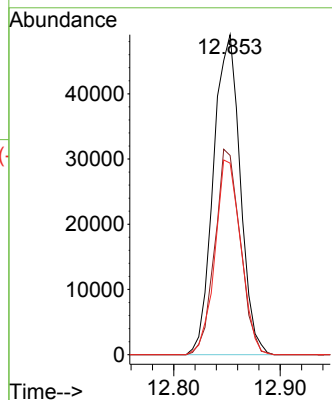
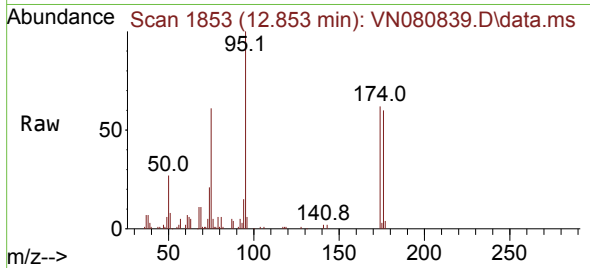




#62
4-Bromofluorobenzene
Concen: 48.971 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

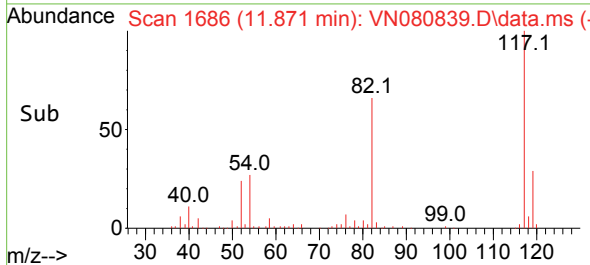
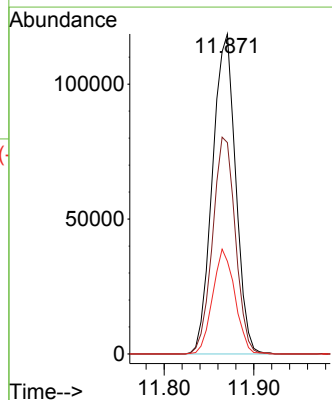
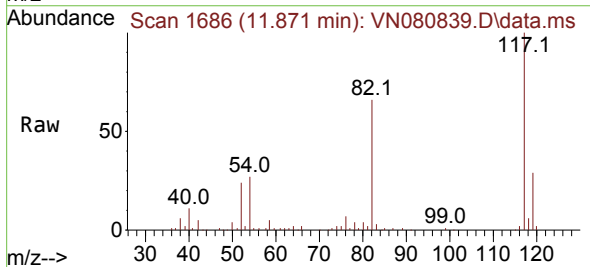
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

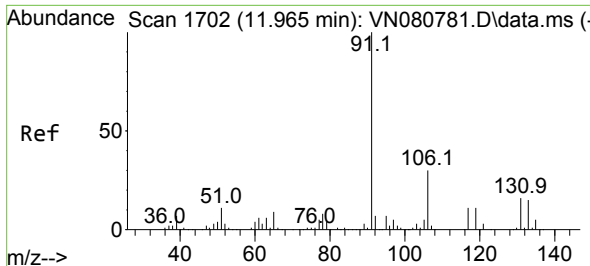
Tgt Ion: 95 Resp: 85491
Ion Ratio Lower Upper
95 100
174 61.0 0.0 120.4
176 58.8 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 117 Resp: 212660
Ion Ratio Lower Upper
117 100
82 66.1 52.7 79.1
119 29.0 25.3 37.9

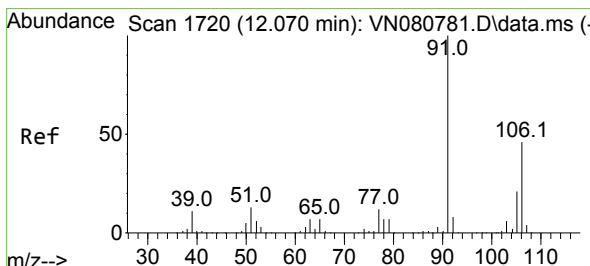
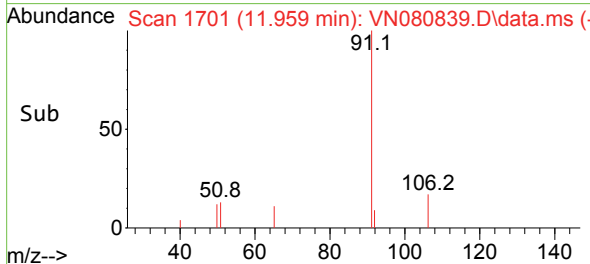
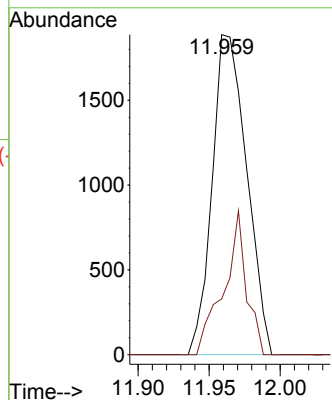
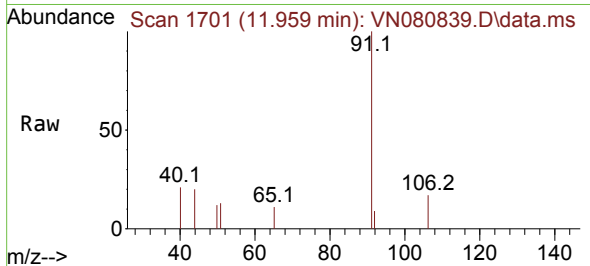




#67
Ethyl Benzene
Concen: 0.370 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

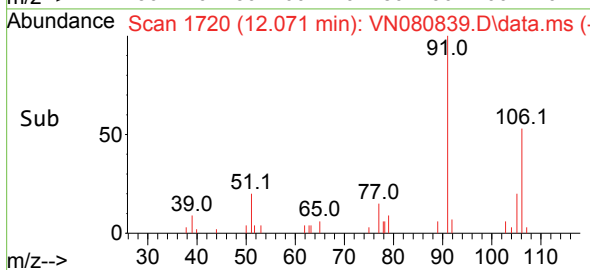
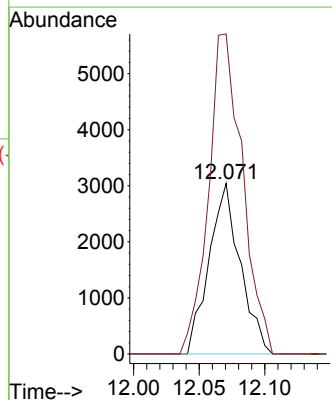
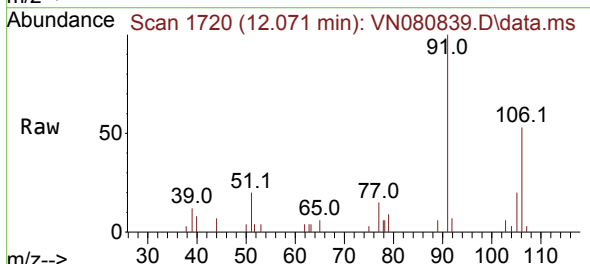
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

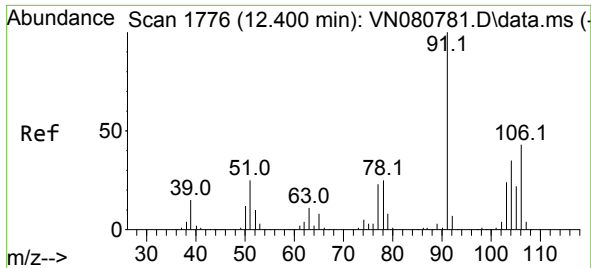
Tgt Ion: 91 Resp: 3189
Ion Ratio Lower Upper
91 100
106 17.4 23.8 35.6#



#68
m/p-Xylenes
Concen: 1.645 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion:106 Resp: 5038
Ion Ratio Lower Upper
106 100
91 204.5 169.0 253.6

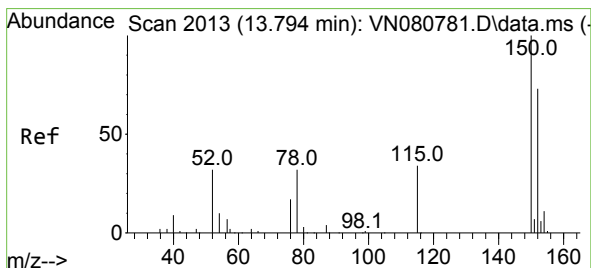
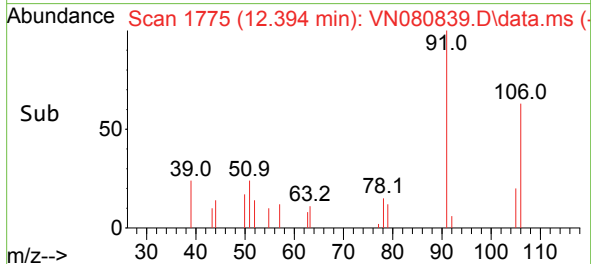
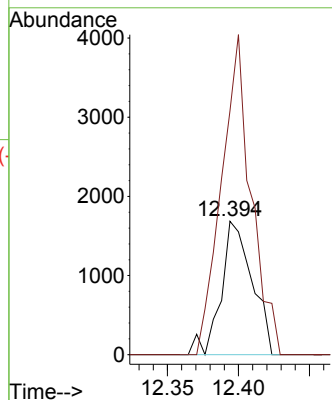
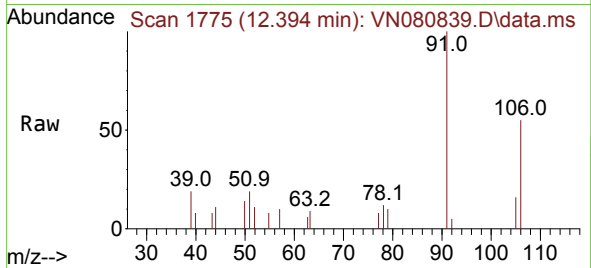




#69
o-Xylene
Concen: 0.840 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

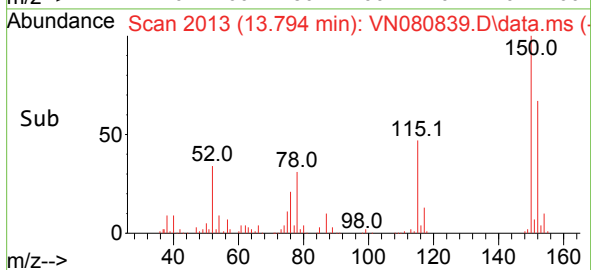
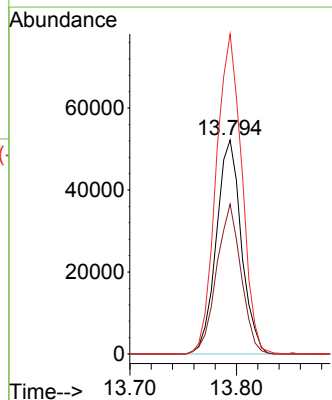
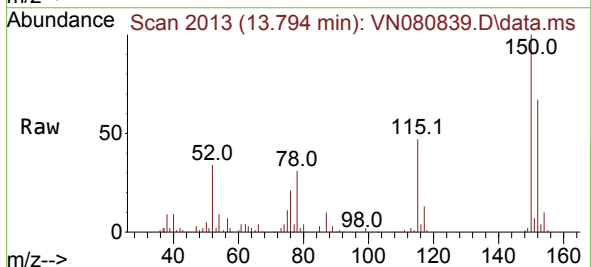
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

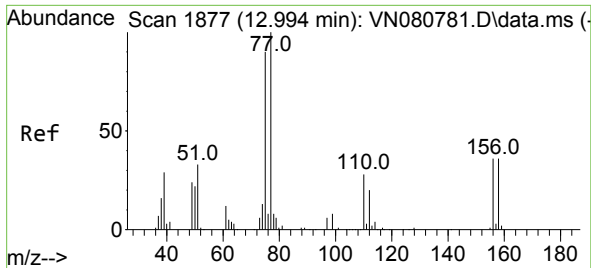
Tgt Ion:106 Resp: 2557
Ion Ratio Lower Upper
106 100
91 229.1 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion:152 Resp: 84987
Ion Ratio Lower Upper
152 100
115 68.7 32.3 96.8
150 153.4 0.0 339.8

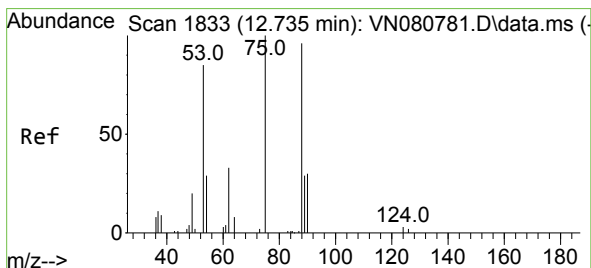
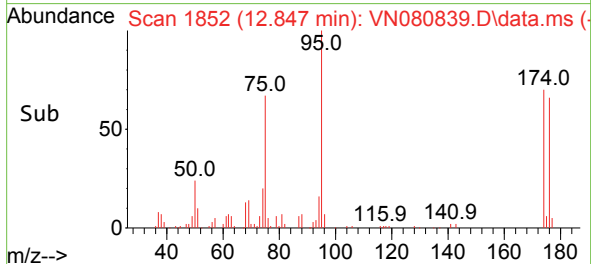
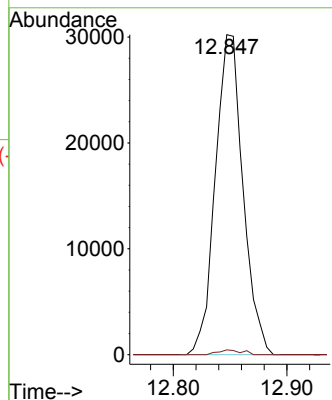
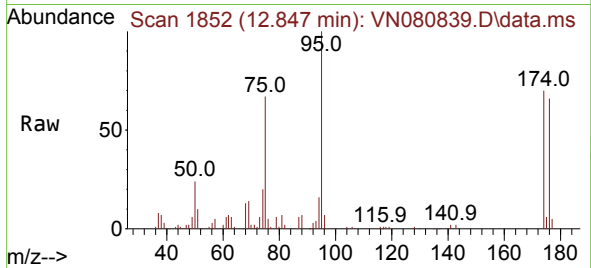




#76
1,2,3-Trichloropropane
Concen: 19.952 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

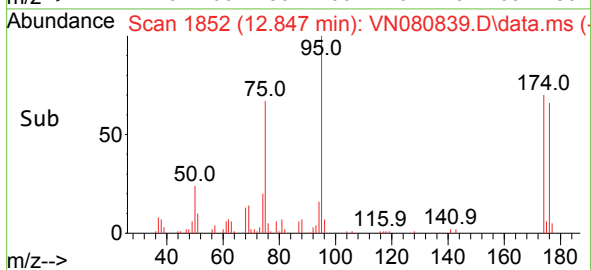
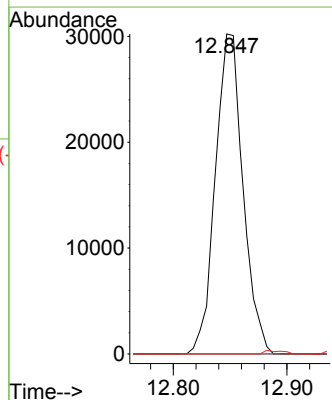
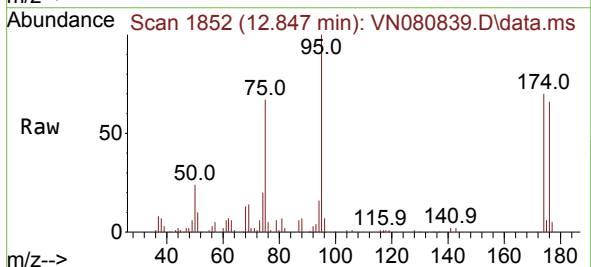
Instrument :
MSVOA_N
ClientSampleId :
AUD-1316

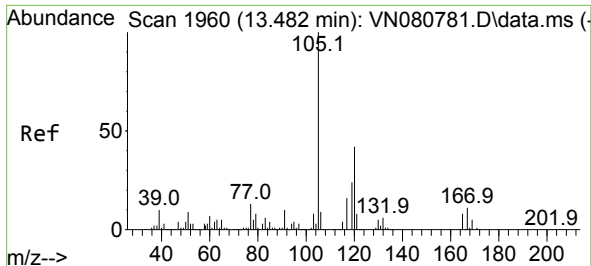
Tgt Ion: 75 Resp: 51141
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.400 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080839.D
Acq: 31 Jan 2024 14:45

Tgt Ion: 75 Resp: 51141
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

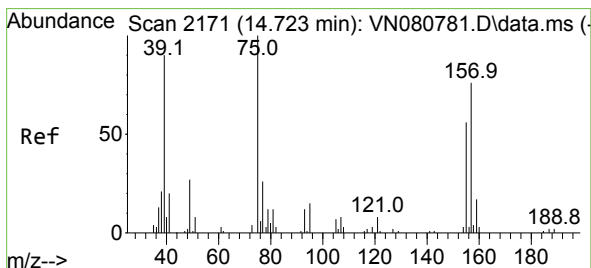
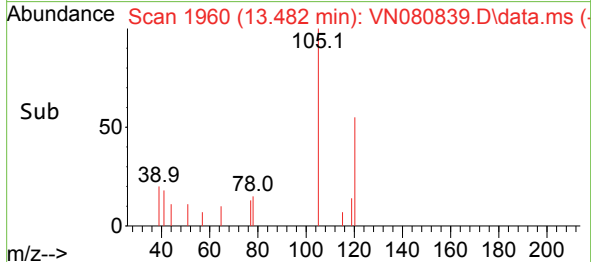
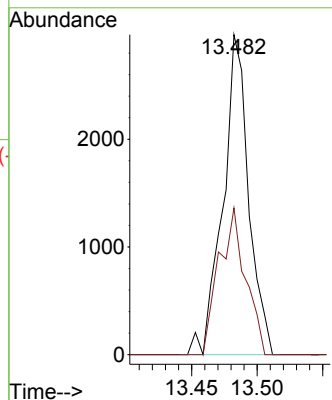
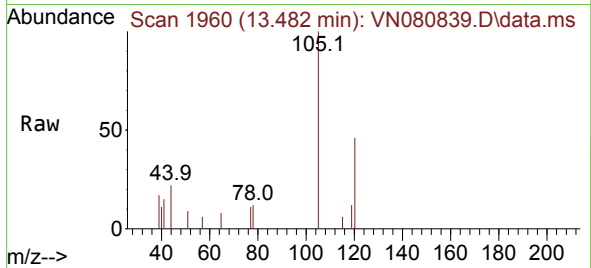




#84
 1,2,4-Trimethylbenzene
 Concen: 0.644 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080839.D
 Acq: 31 Jan 2024 14:45

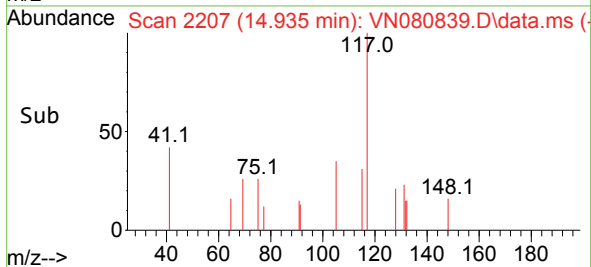
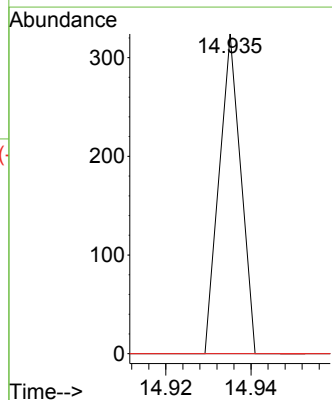
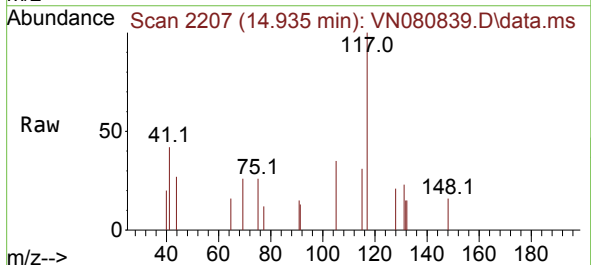
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1316

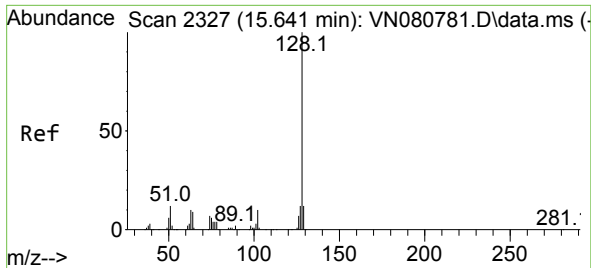
Tgt Ion:105 Resp: 4043
 Ion Ratio Lower Upper
 105 100
 120 47.5 20.9 62.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.223 ug/l
 RT: 14.935 min Scan# 2207
 Delta R.T. 0.212 min
 Lab File: VN080839.D
 Acq: 31 Jan 2024 14:45

Tgt Ion: 75 Resp: 114
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#





#95

Naphthalene

Concen: 0.720 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080839.D

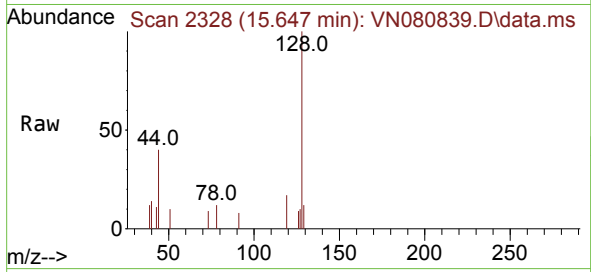
Acq: 31 Jan 2024 14:45

Instrument :

MSVOA_N

ClientSampleId :

AUD-1316



Tgt Ion:128 Resp: 3863

Ion Ratio Lower Upper

128 100

127 9.7 10.0 15.0#

129 4.6 8.7 13.1#

