

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074434.D
 Acq On : 13 Sep 2022 02:39
 Operator : JC\MD
 Sample : PB147547TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1666

Quant Time: Sep 13 06:56:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

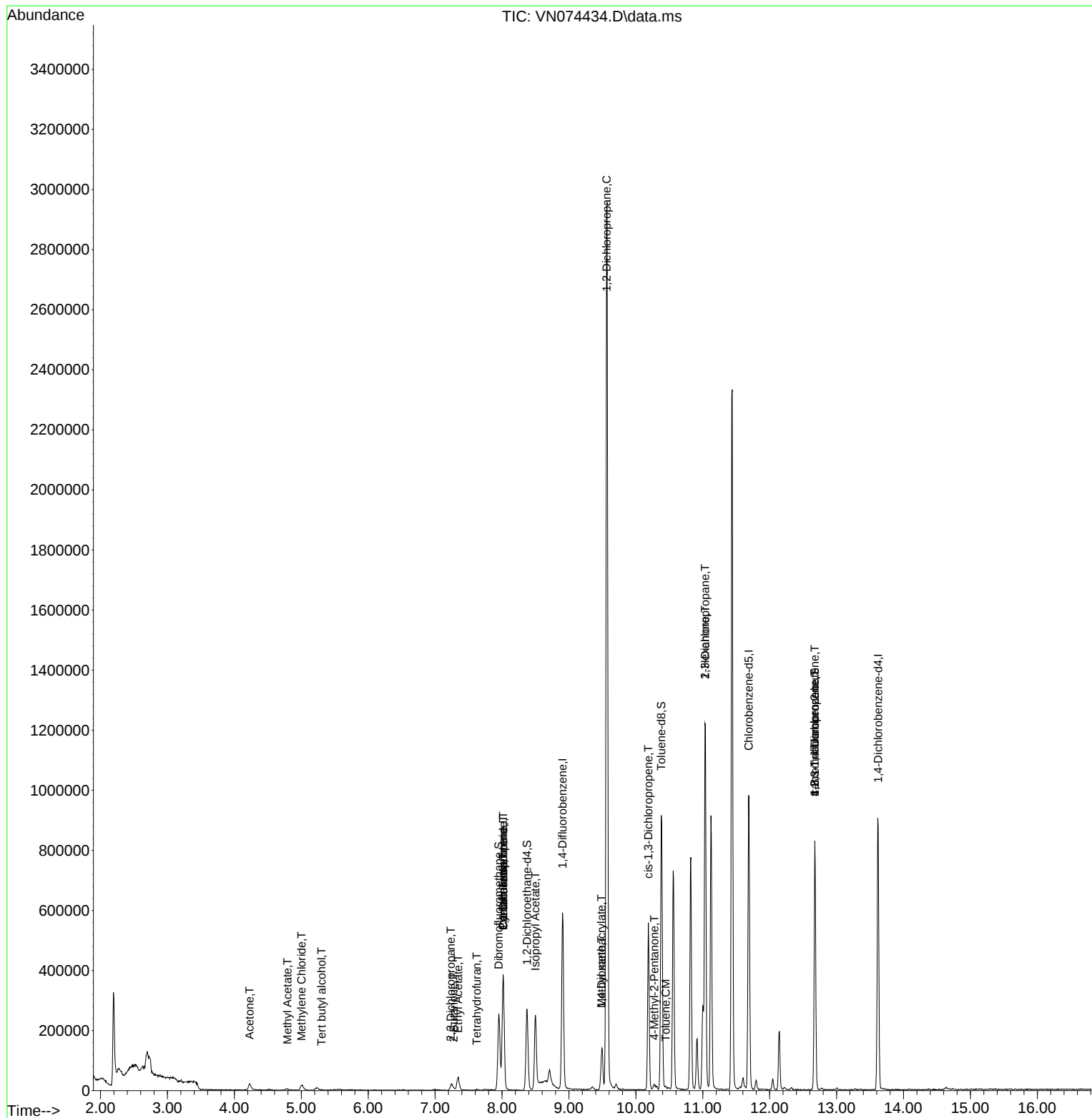
Internal Standards						
1) Pentafluorobenzene	8.016	168	265543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	467121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	492851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.622	152	210928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	207740	45.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.440%			
35) Dibromofluoromethane	7.951	113	171426	54.360	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.720%			
50) Toluene-d8	10.381	98	583413	47.480	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.960%			
62) 4-Bromofluorobenzene	12.675	95	234921	52.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.320%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.258	50	1584	Below Cal	#	45
6) Chloroethane	3.046	64	2786	Below Cal	#	45
11) Tert butyl alcohol	5.304	59	1108	0.922	ug/l #	86
16) Acetone	4.228	43	34944	14.088	ug/l	93
18) Methyl Acetate	4.793	43	8216	1.124	ug/l #	55
20) Methylene Chloride	5.004	84	12076	1.870	ug/l #	88
25) 2-Butanone	7.275	43	8722	2.095	ug/l #	87
26) 2,2-Dichloropropane	7.234	77	1454	0.214	ug/l #	55
29) Tetrahydrofuran	7.622	42	1139	0.414	ug/l #	82
31) Cyclohexane	8.016	56	7829	1.071	ug/l #	63
36) 1,1-Dichloropropene	8.016	75	25160	4.843	ug/l #	52
37) Ethyl Acetate	7.345	43	69099	9.169	ug/l	97
38) Carbon Tetrachloride	8.016	117	28339	5.284	ug/l #	14
43) Isopropyl Acetate	8.498	43	300339	24.369	ug/l #	91
45) 1,2-Dichloropropane	9.563	63	3571	0.846	ug/l #	44
48) Methyl methacrylate	9.486	41	9722	1.790	ug/l #	43
49) 1,4-Dioxane	9.486	88	55	0.480	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	14346	1.780	ug/l	97
52) Toluene	10.445	92	2884	0.293	ug/l	85
54) cis-1,3-Dichloropropene	10.186	75	87184	12.864	ug/l #	68
57) 1,3-Dichloropropane	11.033	76	12219	1.724	ug/l #	43
59) 2-Hexanone	11.033	43	175162	28.162	ug/l #	55
74) N-amyl acetate	12.322	43	2547	Below Cal	#	47
76) 1,2,3-Trichloropropane	12.675	75	146363	26.544	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	146363	59.166	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.551	75	57	Below Cal	#	8

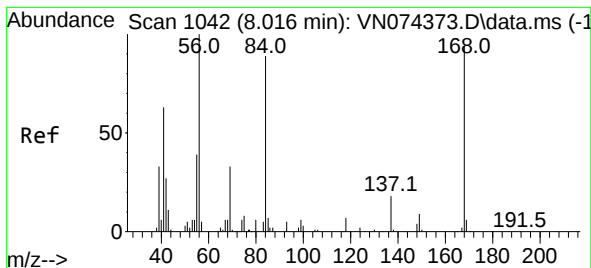
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

Instrument :

MSVOA_N

ClientSampleId :

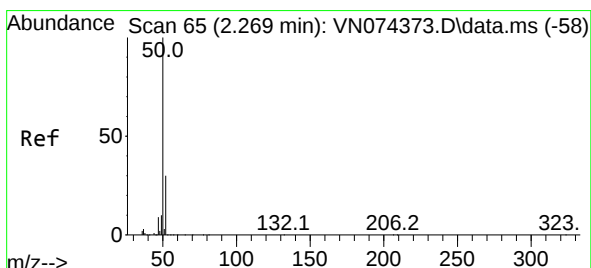
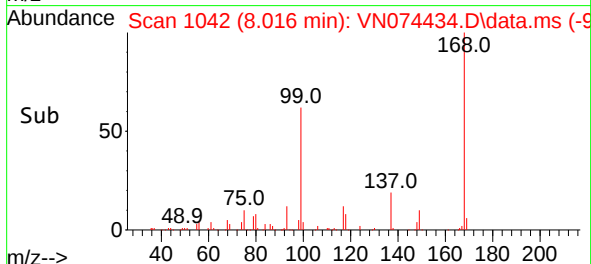
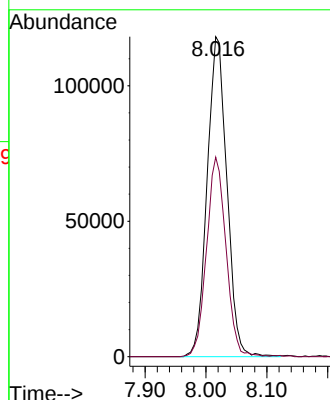
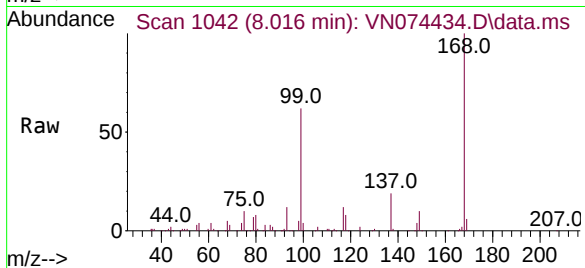
AUD-1666

Tgt Ion:168 Resp: 265543

Ion Ratio Lower Upper

168 100

99 62.3 52.8 79.2



#3

Chloromethane

Concen: Below Cal

RT: 2.258 min Scan# 63

Delta R.T. -0.011 min

Lab File: VN074434.D

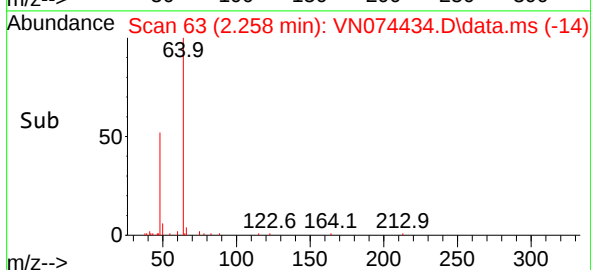
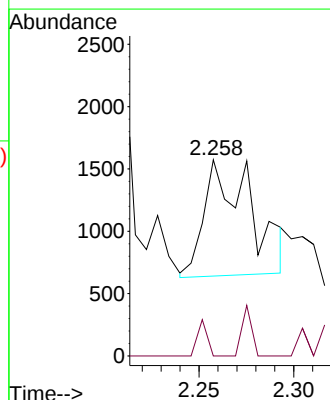
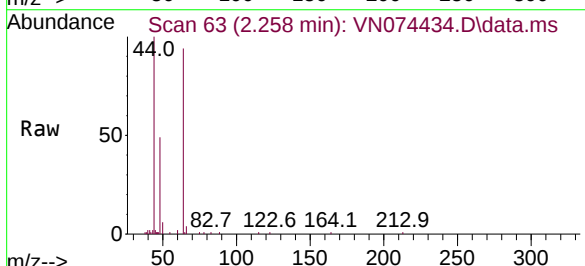
Acq: 13 Sep 2022 02:39

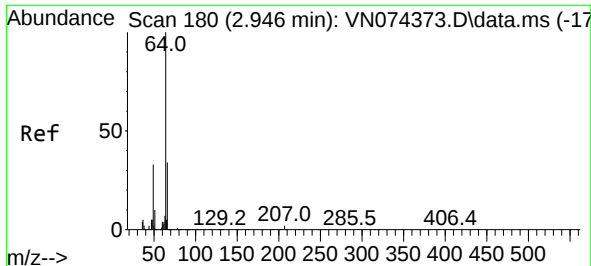
Tgt Ion: 50 Resp: 1584

Ion Ratio Lower Upper

50 100

52 0.0 24.1 36.1#

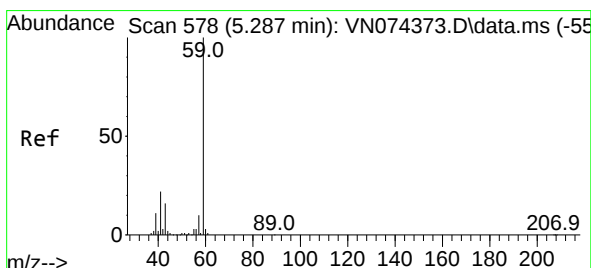
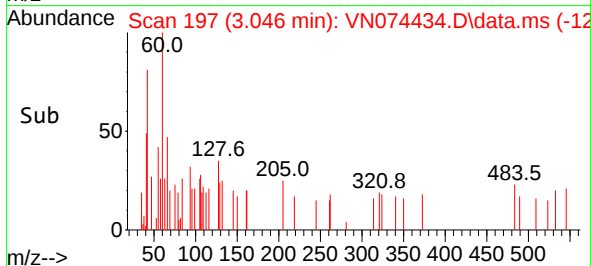
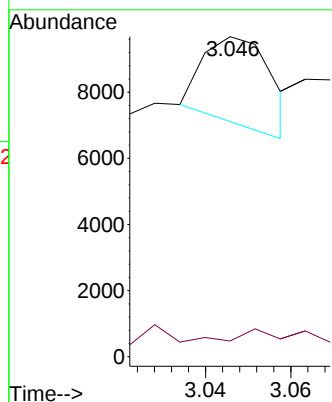
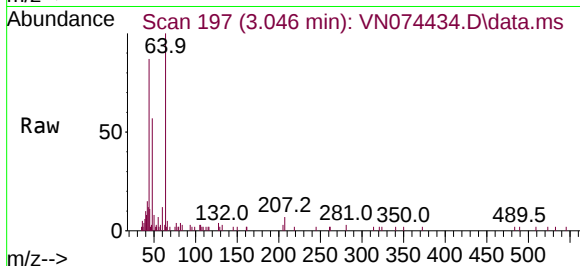




#6
Chloroethane
Concen: Below Cal
RT: 3.046 min Scan# 197
Delta R.T. 0.100 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

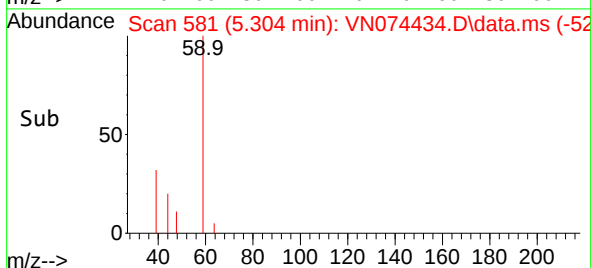
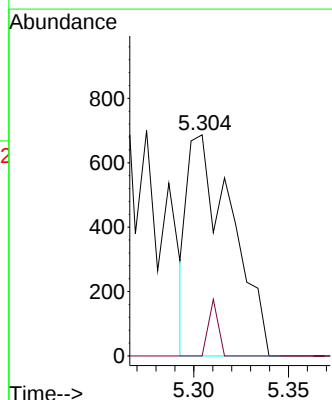
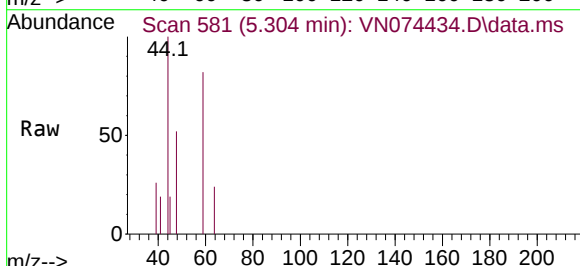
Instrument :
MSVOA_N
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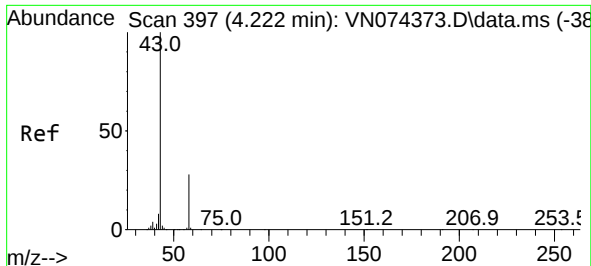
Tgt Ion: 64 Resp: 2786
Ion Ratio Lower Upper
64 100
66 1.7 26.5 39.7#



#11
Tert butyl alcohol
Concen: 0.922 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.018 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 59 Resp: 1108
Ion Ratio Lower Upper
59 100
57 5.6 8.8 13.2#

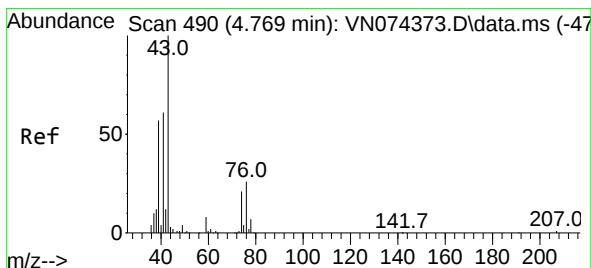
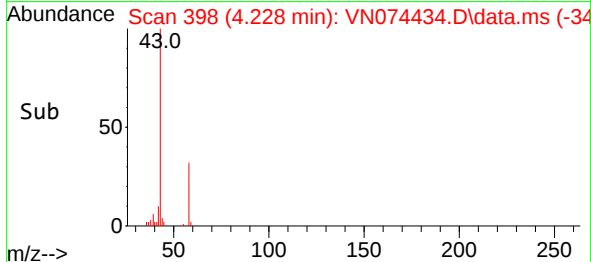
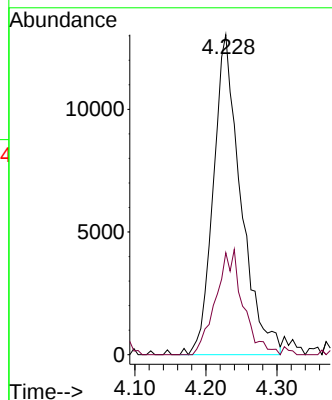
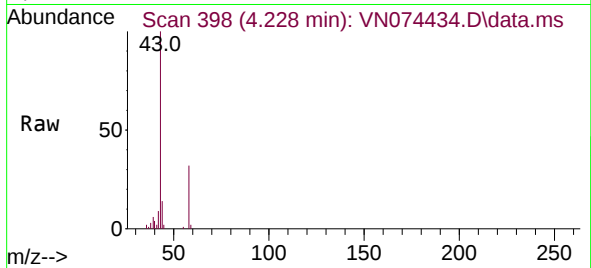




#16
Acetone
Concen: 14.088 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

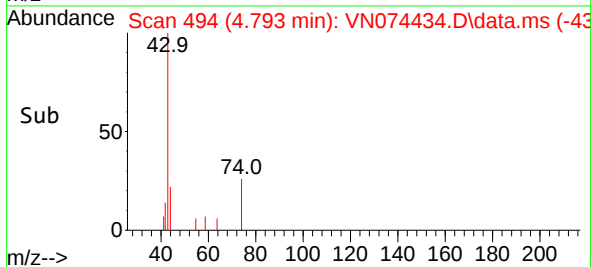
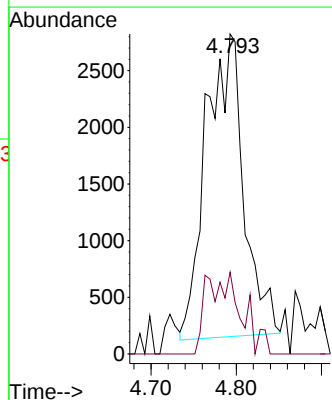
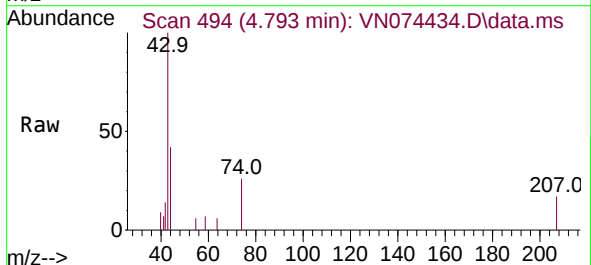
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

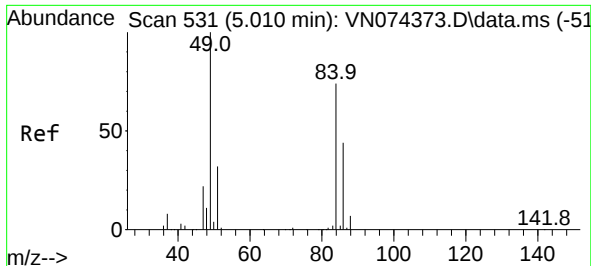
Tgt Ion: 43 Resp: 34944
Ion Ratio Lower Upper
43 100
58 31.9 22.7 34.1



#18
Methyl Acetate
Concen: 1.124 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.024 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 43 Resp: 8216
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

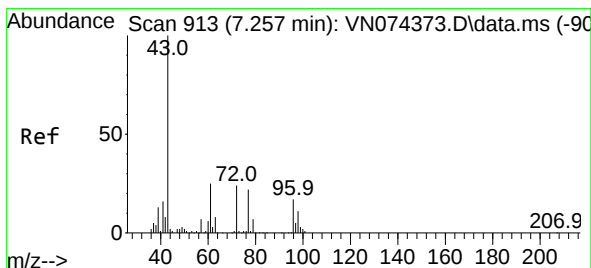
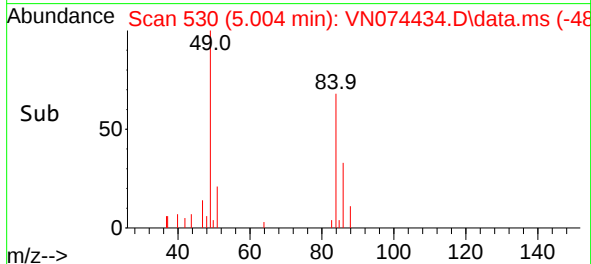
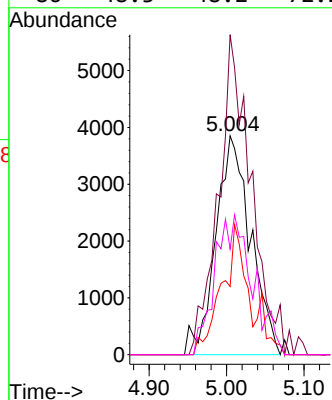
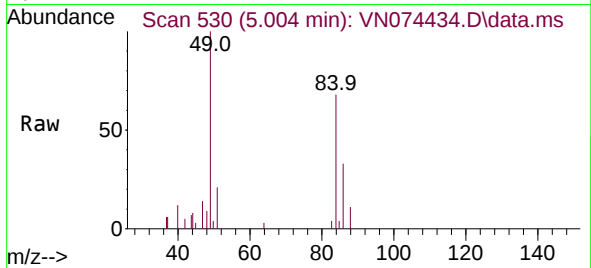




#20
Methylene Chloride
Concen: 1.870 ug/l
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

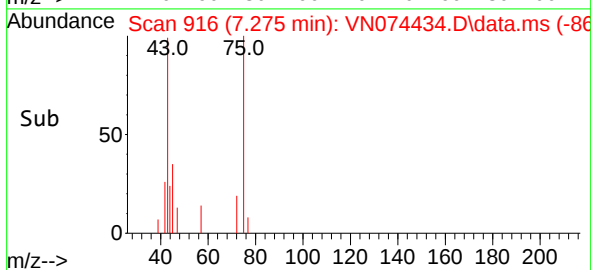
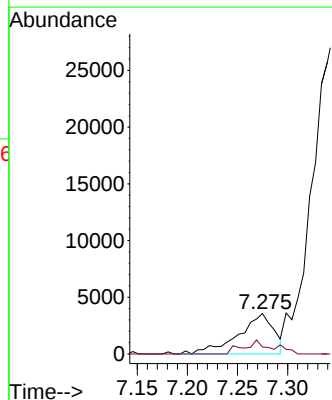
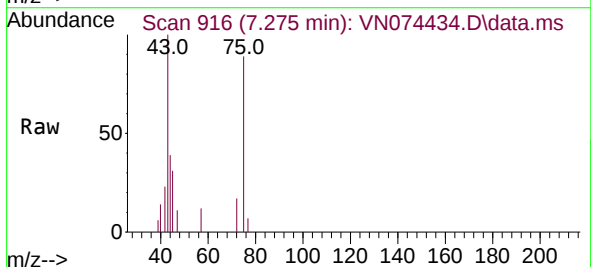
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

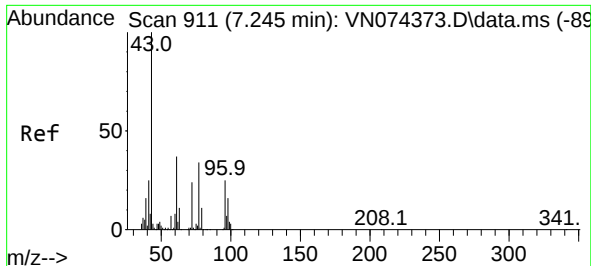
Tgt Ion: 84 Resp: 12076
Ion Ratio Lower Upper
84 100
49 146.2 108.2 162.4
51 31.1 34.3 51.5#
86 48.3 48.2 72.2



#25
2-Butanone
Concen: 2.095 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 43 Resp: 8722
Ion Ratio Lower Upper
43 100
72 17.1 18.9 28.3#

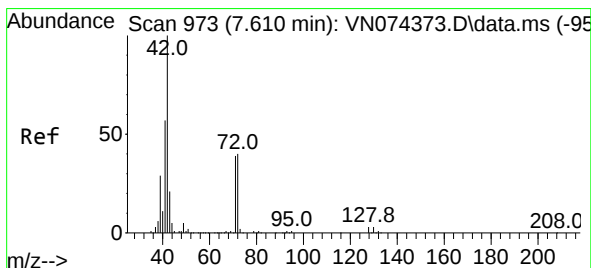
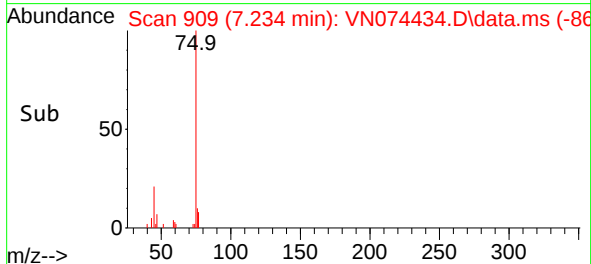
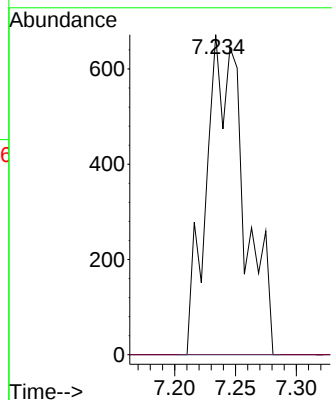
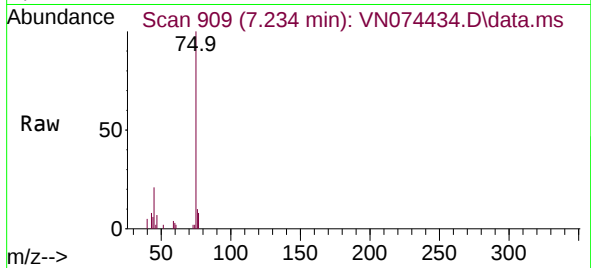




#26
2,2-Dichloropropane
Concen: 0.214 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.012 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

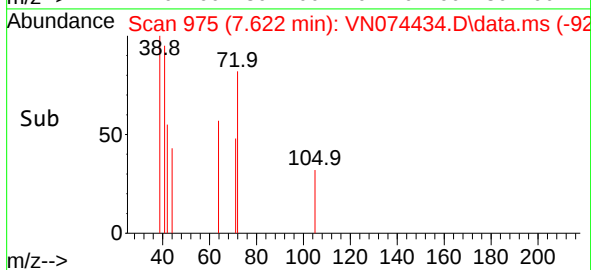
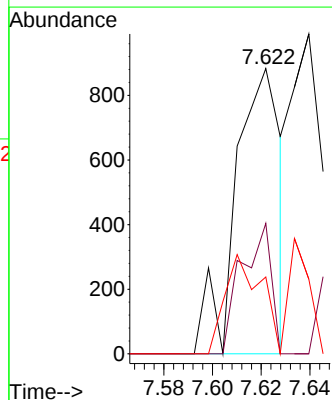
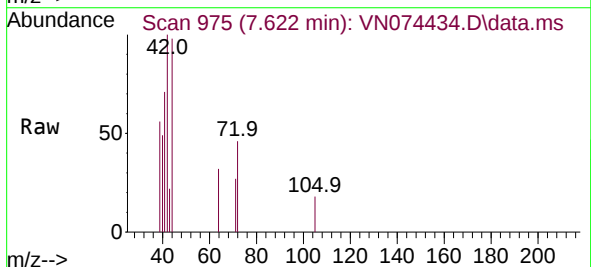
Instrument :
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ClientSampleId :
AUD-1666

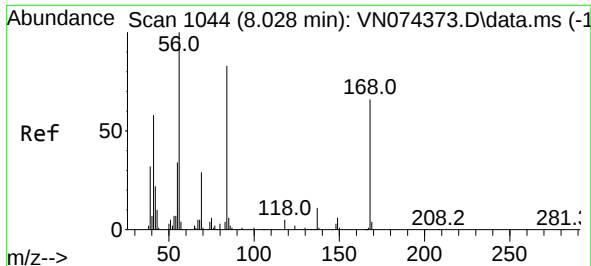
Tgt Ion: 77 Resp: 1454
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#29
Tetrahydrofuran
Concen: 0.414 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 42 Resp: 1139
Ion Ratio Lower Upper
42 100
72 29.8 32.7 49.1#
71 28.1 31.0 46.6#

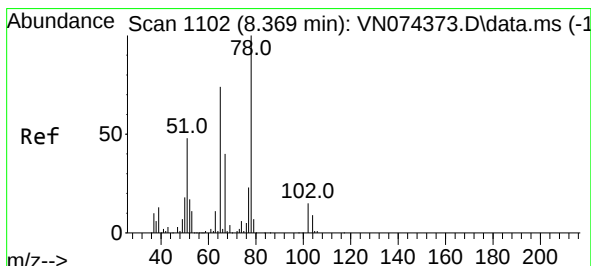
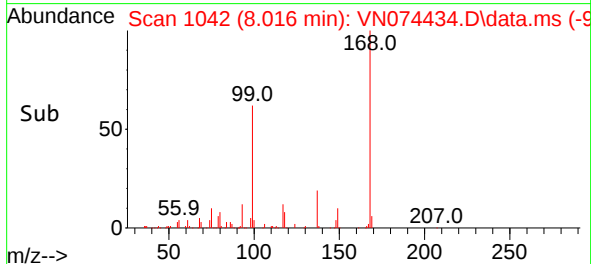
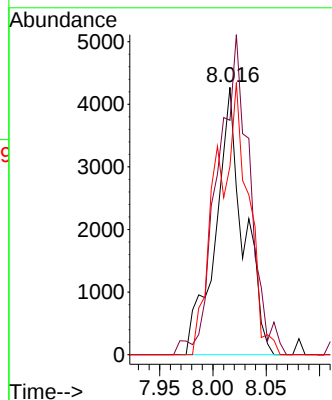
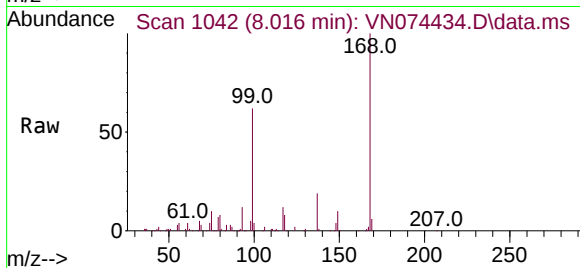




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.012 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

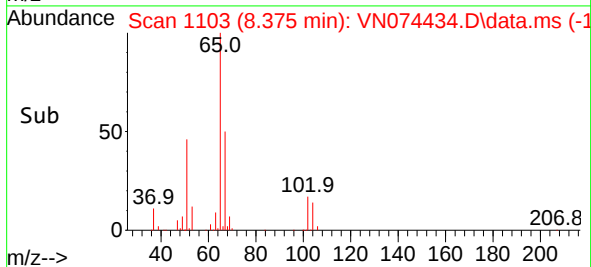
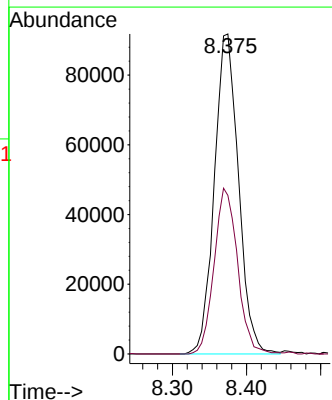
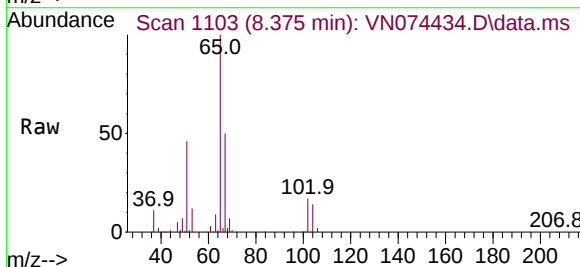
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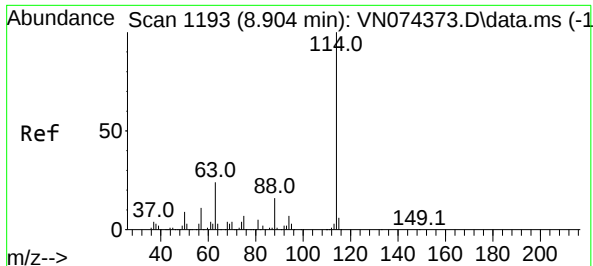
Tgt Ion: 56 Resp: 7829
Ion Ratio Lower Upper
56 100
69 83.4 23.0 34.4#
84 70.4 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 45.217 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 65 Resp: 207740
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

Instrument :

MSVOA_N

ClientSampleId :

AUD-1666

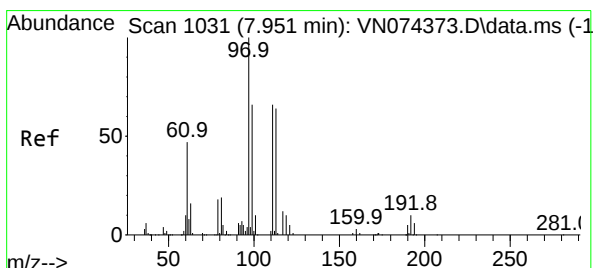
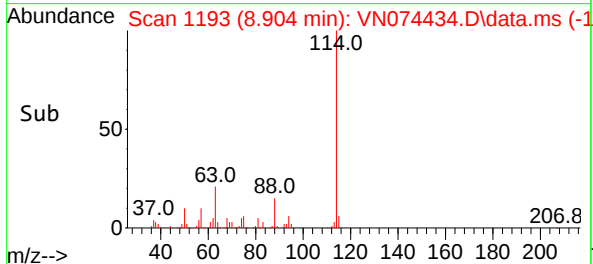
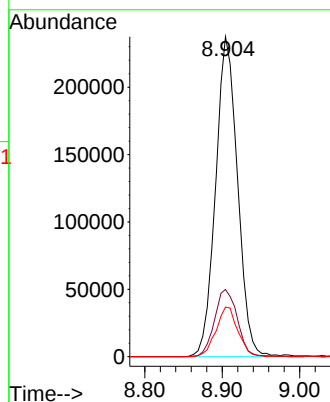
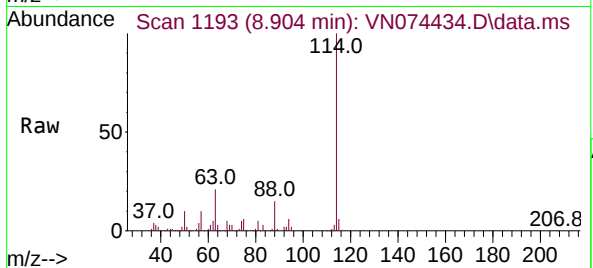
Tgt Ion:114 Resp: 467121

Ion Ratio Lower Upper

114 100

63 21.0 0.0 47.6

88 15.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.360 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

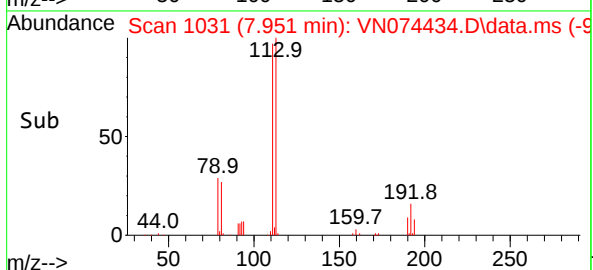
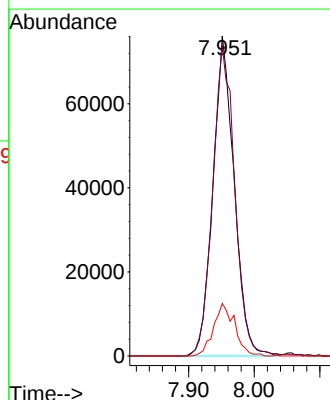
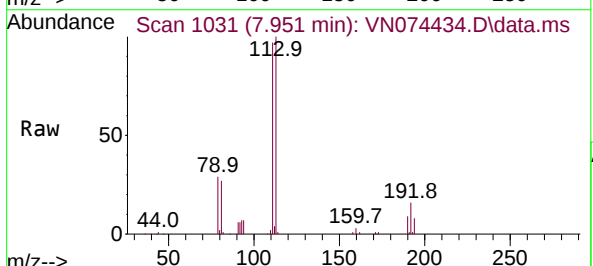
Tgt Ion:113 Resp: 171426

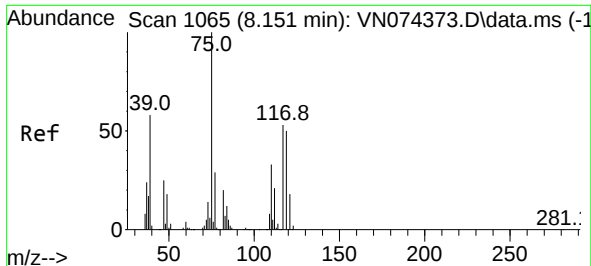
Ion Ratio Lower Upper

113 100

111 100.4 83.0 124.4

192 16.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.843 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

Instrument :

MSVOA_N

ClientSampleId :

AUD-1666

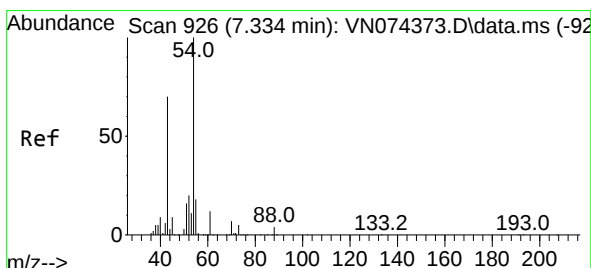
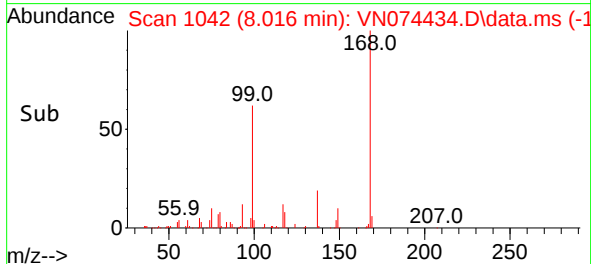
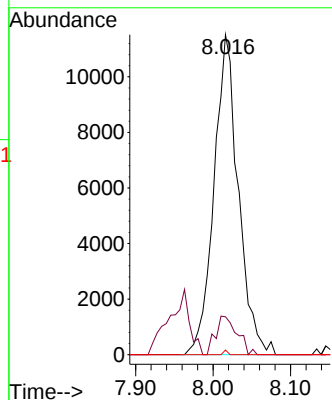
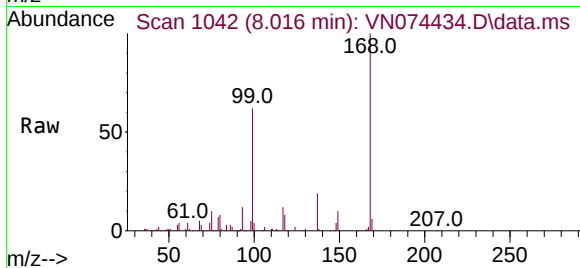
Tgt Ion: 75 Resp: 25160

Ion Ratio Lower Upper

75 100

110 10.6 16.4 49.1#

77 0.2 25.4 38.2#



#37

Ethyl Acetate

Concen: 9.169 ug/l

RT: 7.345 min Scan# 928

Delta R.T. 0.012 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

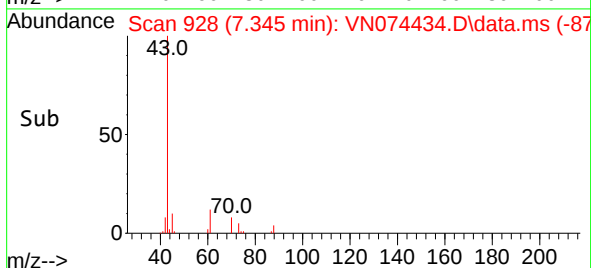
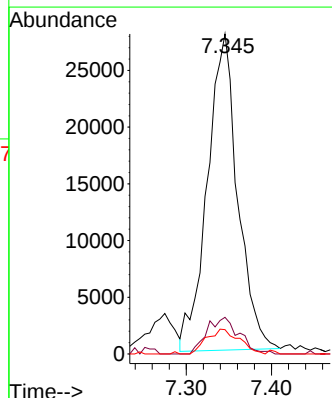
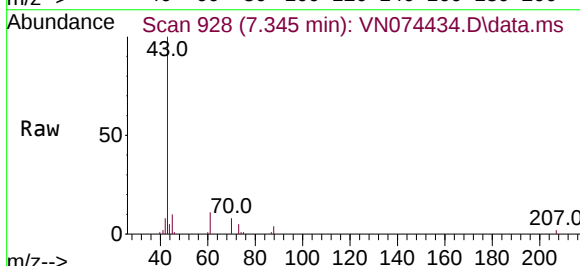
Tgt Ion: 43 Resp: 69099

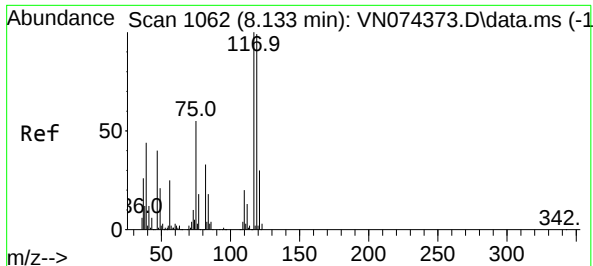
Ion Ratio Lower Upper

43 100

61 12.3 11.1 16.7

70 8.3 7.2 10.8

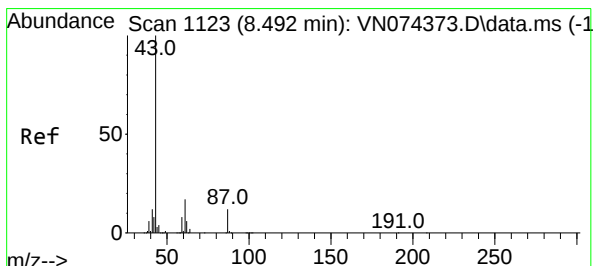
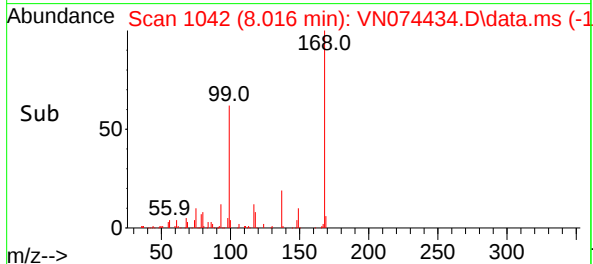
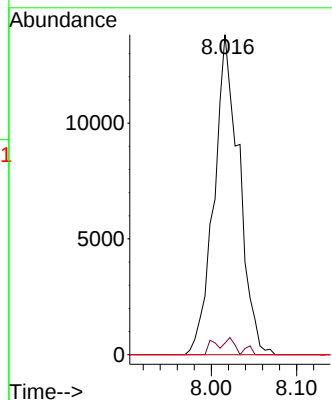
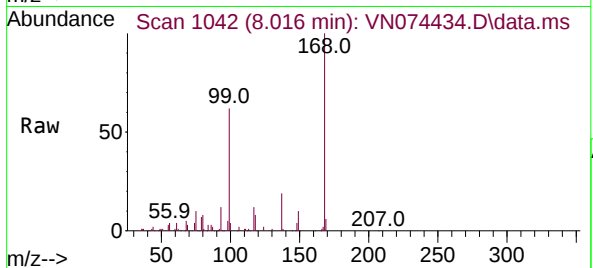




#38
Carbon Tetrachloride
Concen: 5.284 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.117 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

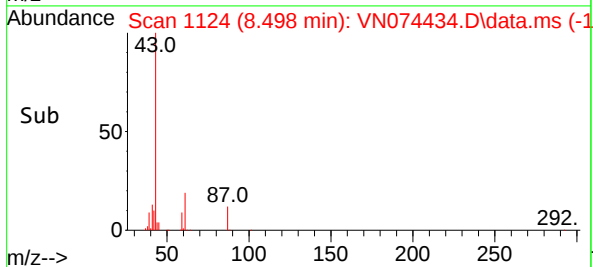
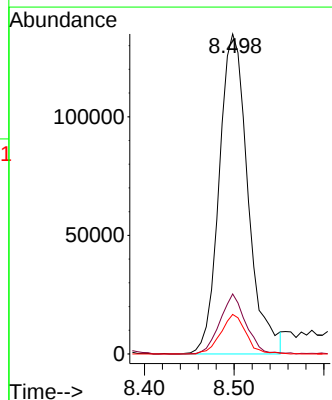
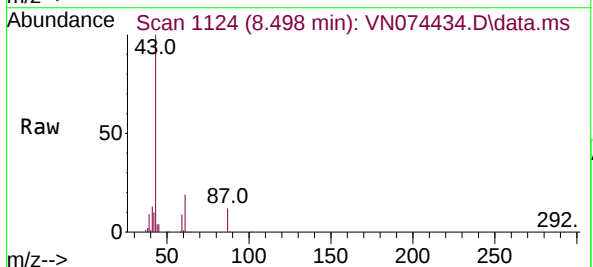
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

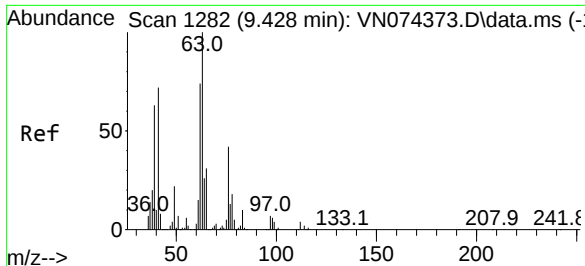
Tgt Ion:117 Resp: 28339
Ion Ratio Lower Upper
117 100
119 3.7 78.8 118.2#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 24.369 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 43 Resp: 300339
Ion Ratio Lower Upper
43 100
61 16.9 18.6 27.8#
87 10.9 9.4 14.2





#45

1,2-Dichloropropane

Concen: 0.846 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

Instrument :

MSVOA_N

ClientSampleId :

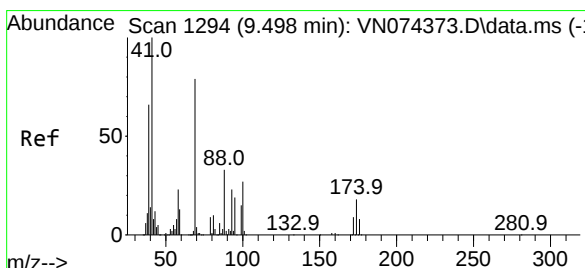
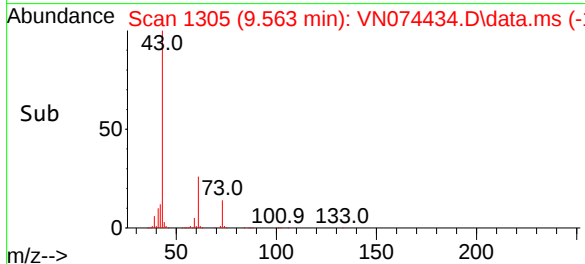
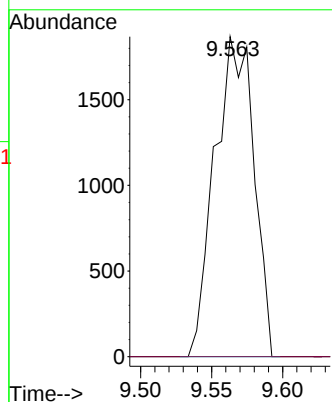
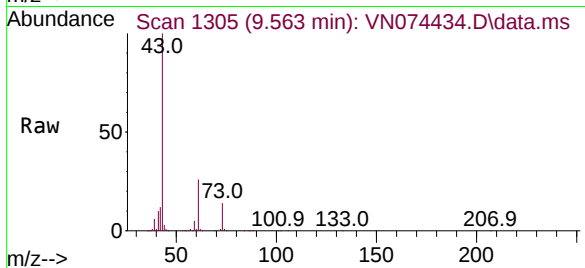
AUD-1666

Tgt Ion: 63 Resp: 3571

Ion Ratio Lower Upper

63 100

65 0.0 24.6 36.8#



#48

Methyl methacrylate

Concen: 1.790 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

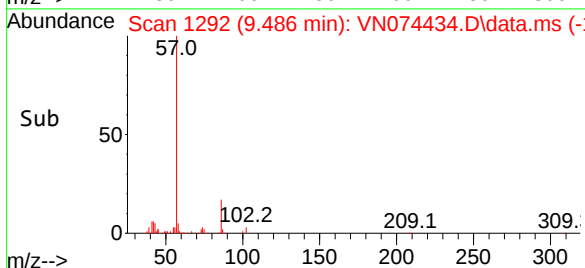
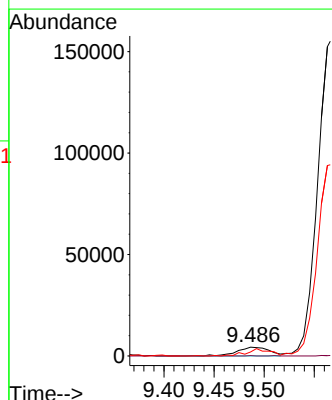
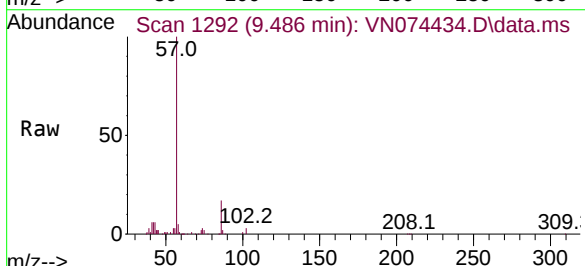
Tgt Ion: 41 Resp: 9722

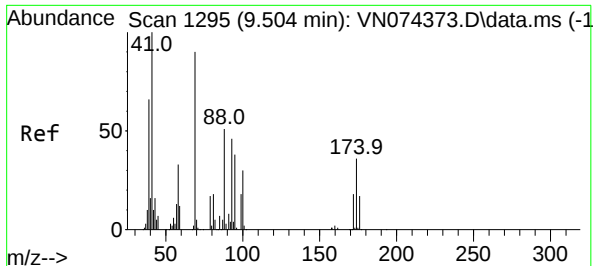
Ion Ratio Lower Upper

41 100

69 0.6 67.6 101.4#

39 59.1 58.2 87.4

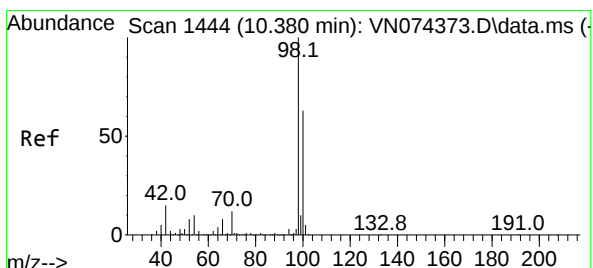
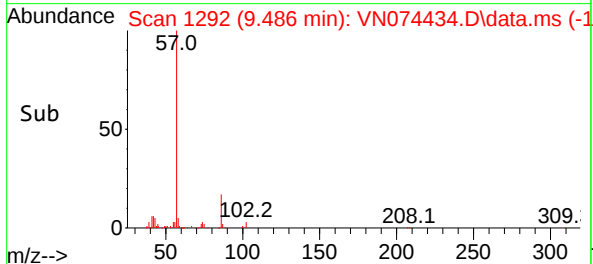
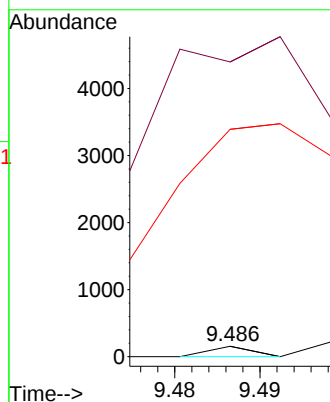
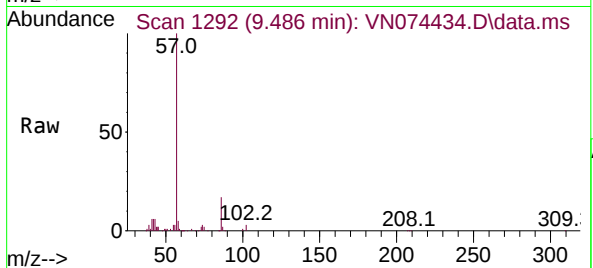




#49
1,4-Dioxane
Concen: 0.480 ug/l
RT: 9.486 min Scan# 1295
Delta R.T. -0.017 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

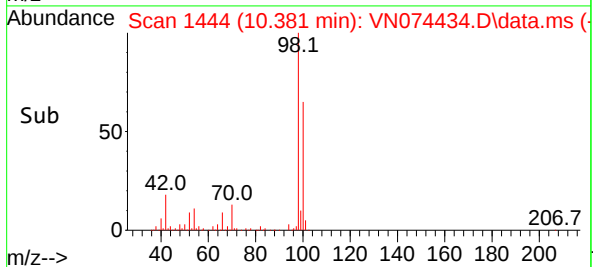
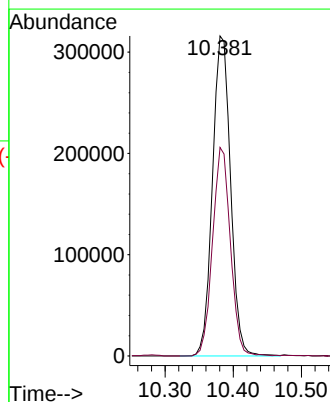
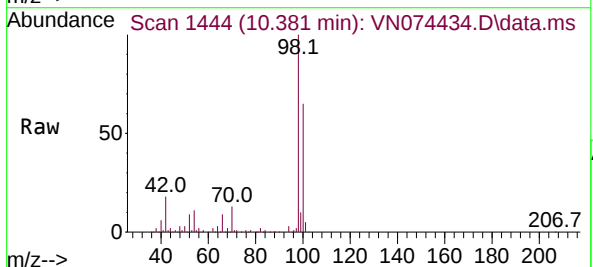
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

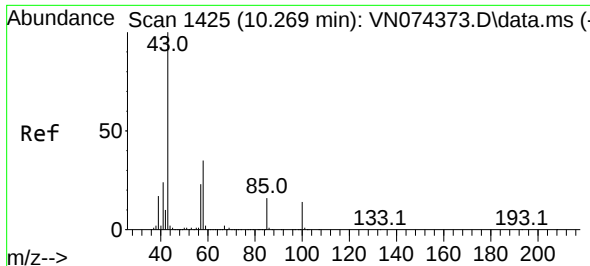
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 13083.6 52.7 79.1#



#50
Toluene-d8
Concen: 47.480 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 98 Resp: 583413
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

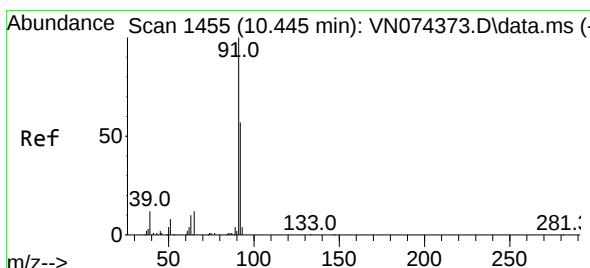
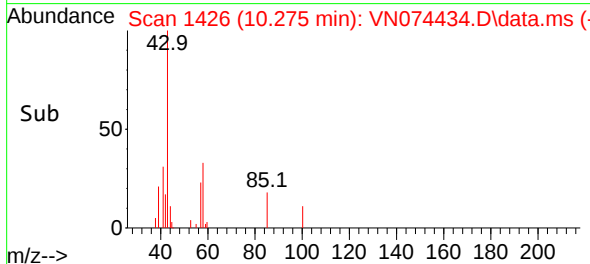
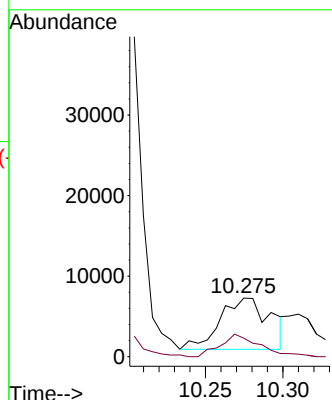
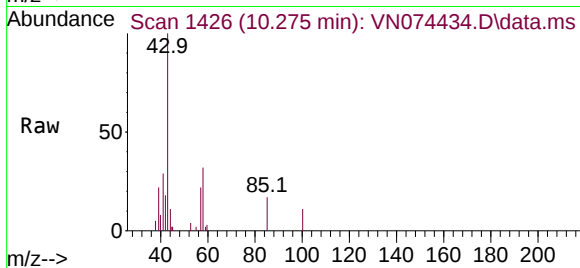




#51
4-Methyl-2-Pentanone
Concen: 1.780 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

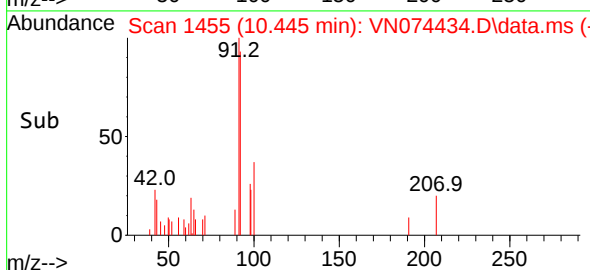
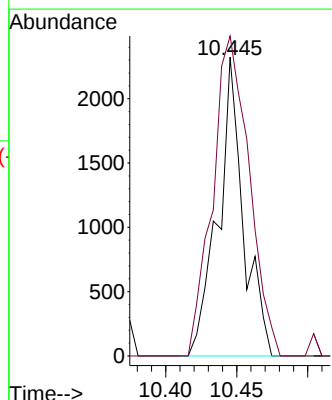
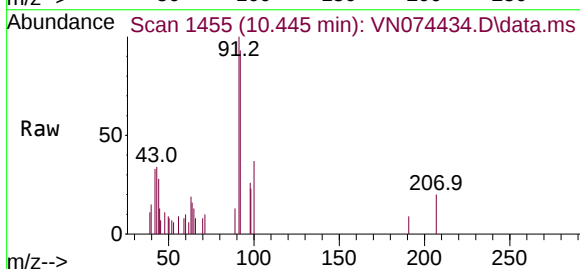
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

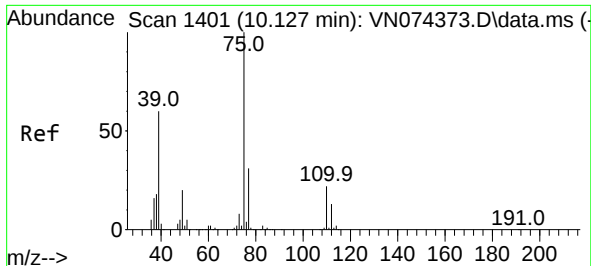
Tgt Ion: 43 Resp: 14346
Ion Ratio Lower Upper
43 100
58 34.5 29.0 43.6



#52
Toluene
Concen: 0.293 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 92 Resp: 2884
Ion Ratio Lower Upper
92 100
91 154.3 139.8 209.6

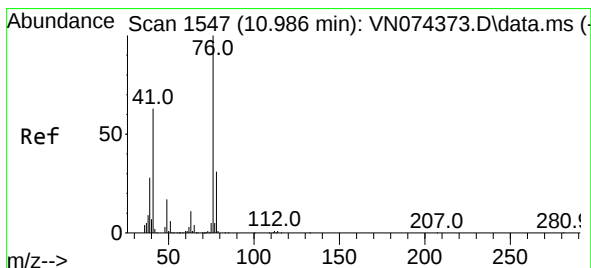
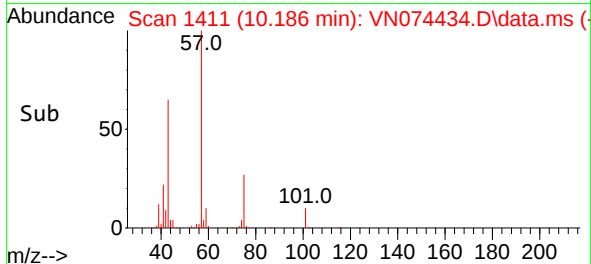
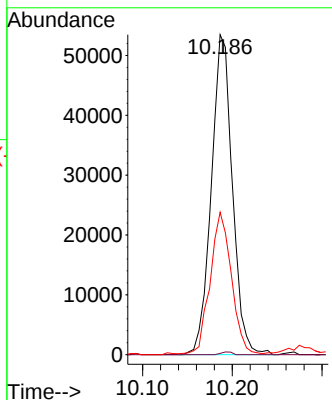
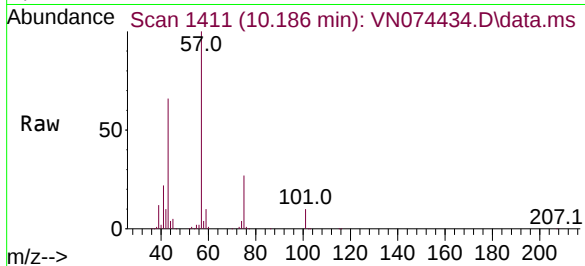




#54
 cis-1,3-Dichloropropene
 Concen: 12.864 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074434.D
 Acq: 13 Sep 2022 02:39

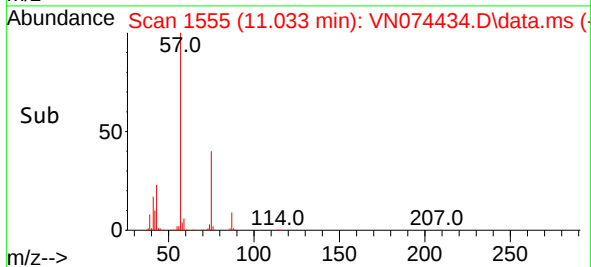
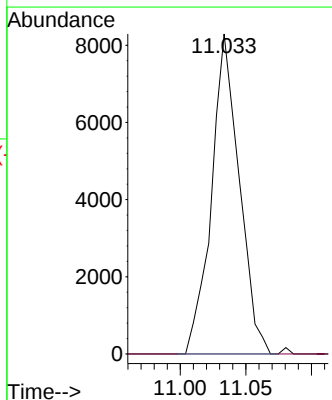
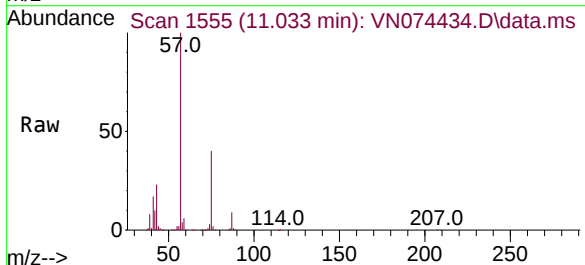
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1666

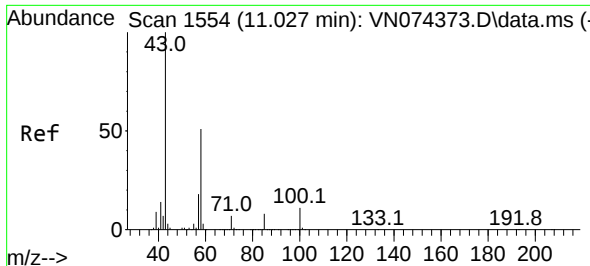
Tgt Ion: 75 Resp: 87184
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.5 36.7#
 39 44.2 48.0 72.0#



#57
 1,3-Dichloropropane
 Concen: 1.724 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074434.D
 Acq: 13 Sep 2022 02:39

Tgt Ion: 76 Resp: 12219
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.0 37.4#

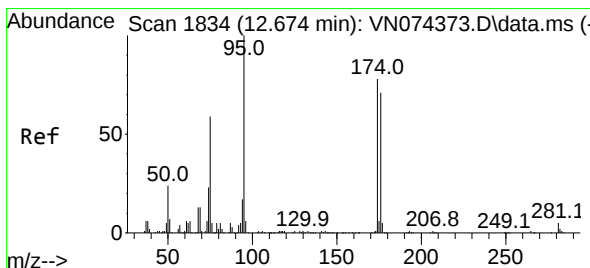
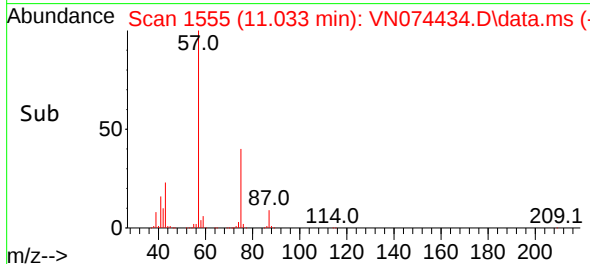
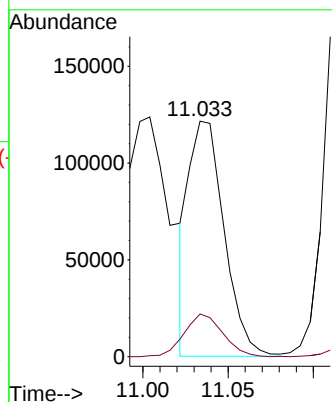
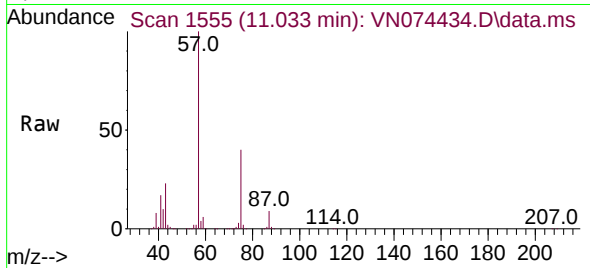




#59
2-Hexanone
Concen: 28.162 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

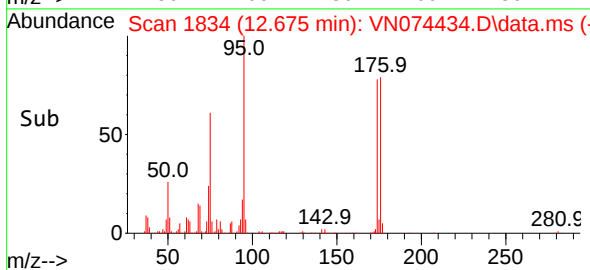
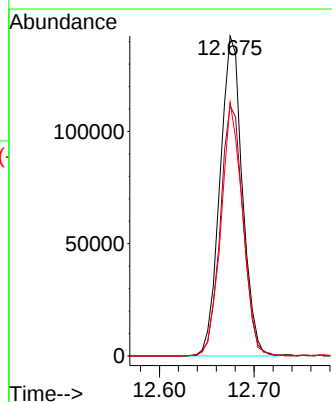
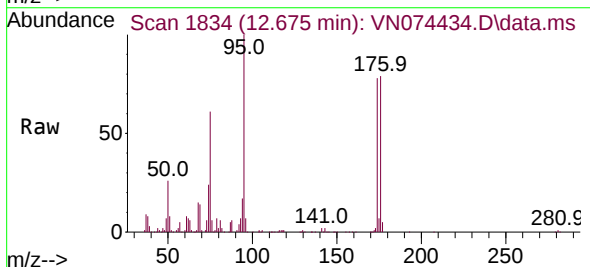
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

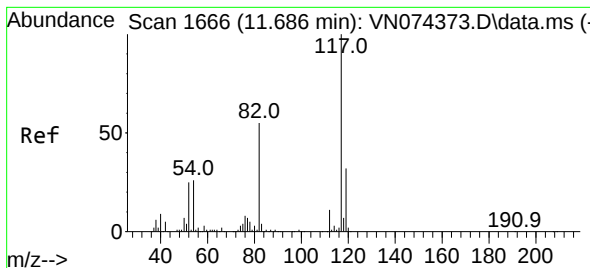
Tgt Ion: 43 Resp: 175162
Ion Ratio Lower Upper
43 100
58 20.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 52.659 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 95 Resp: 234921
Ion Ratio Lower Upper
95 100
174 79.4 0.0 150.6
176 76.3 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

Instrument :

MSVOA_N

ClientSampleId :

AUD-1666

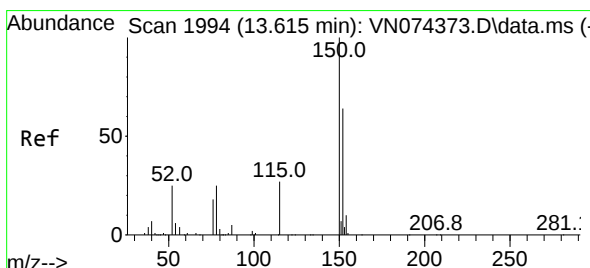
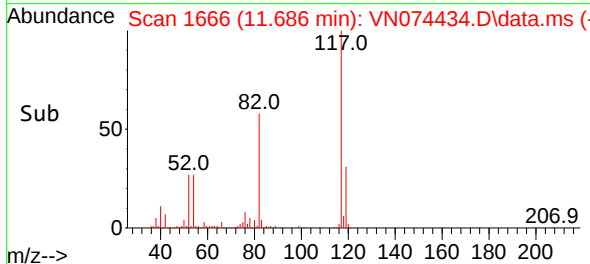
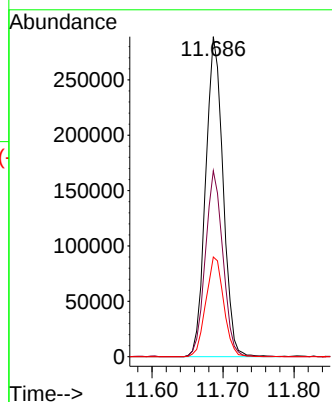
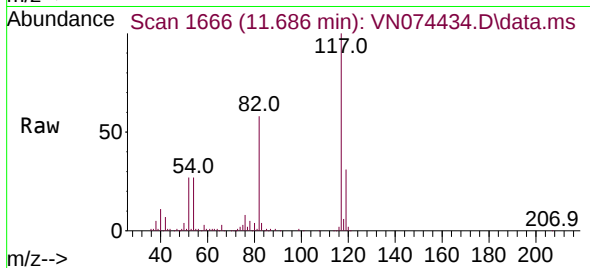
Tgt Ion:117 Resp: 492851

Ion Ratio Lower Upper

117 100

82 58.1 44.3 66.5

119 31.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.622 min Scan# 1995

Delta R.T. 0.007 min

Lab File: VN074434.D

Acq: 13 Sep 2022 02:39

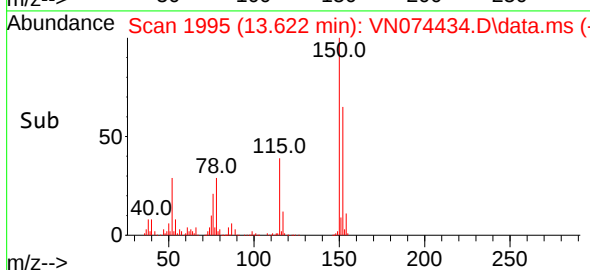
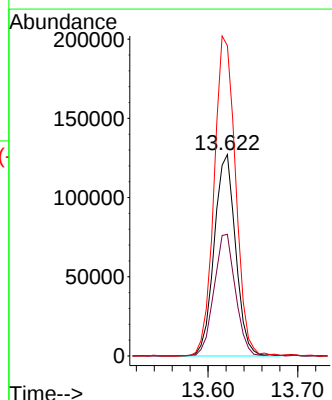
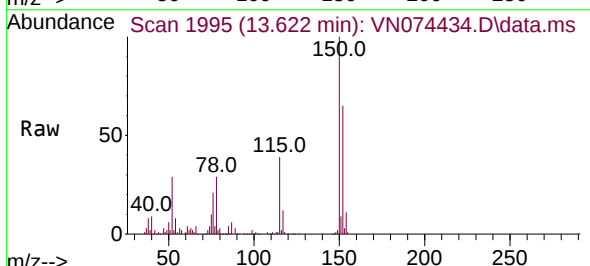
Tgt Ion:152 Resp: 210928

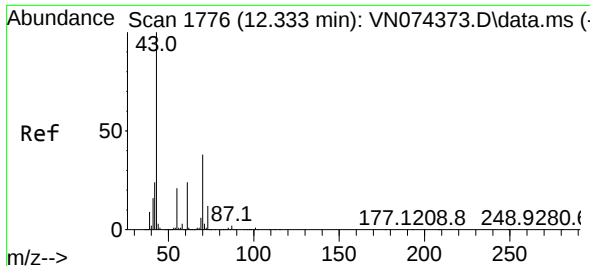
Ion Ratio Lower Upper

152 100

115 60.6 32.0 96.0

150 159.7 0.0 359.6

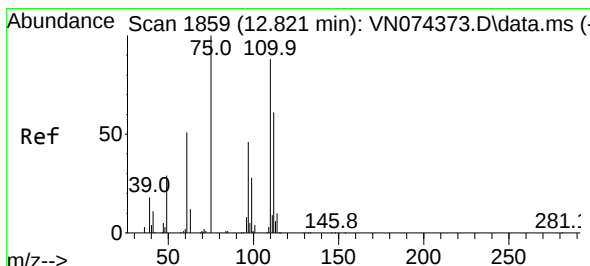
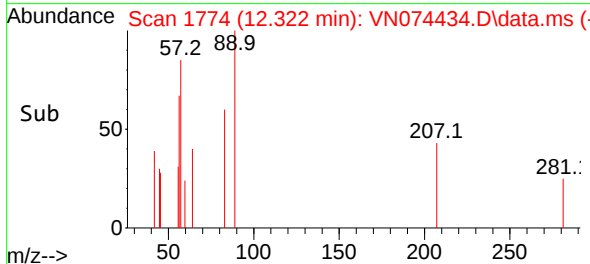
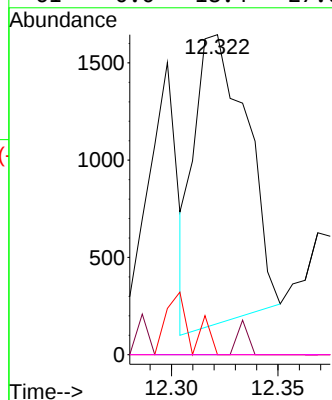
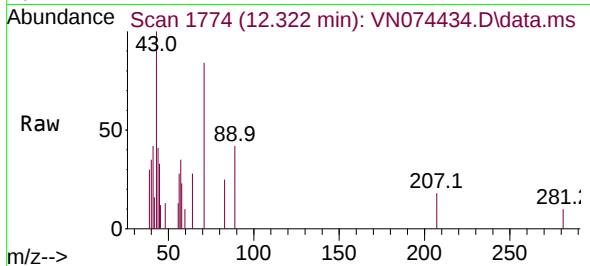




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.322 min Scan# 1
Delta R.T. -0.011 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

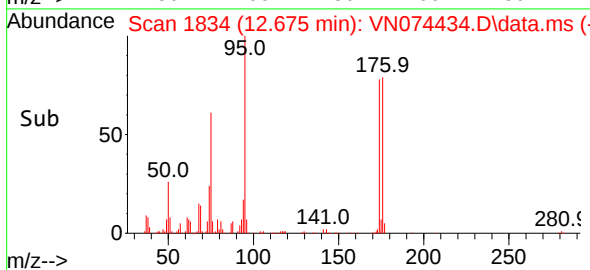
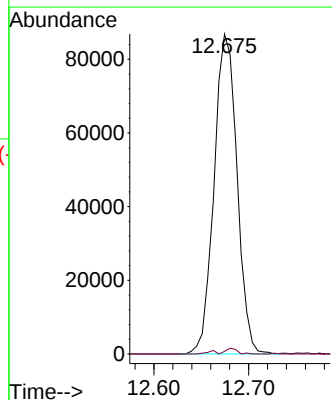
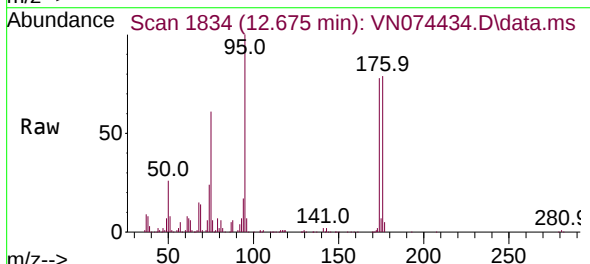
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

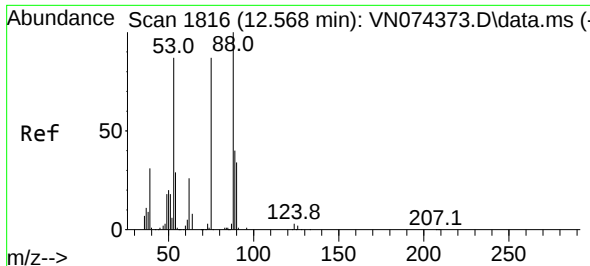
Tgt Ion: 43	Resp: 2547
Ion Ratio	Lower Upper
43	100
70	2.5 31.4 47.0#
55	0.0 17.0 25.6#
61	0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 26.544 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 75	Resp: 146363
Ion Ratio	Lower Upper
75	100
77	0.9 78.9 236.7#

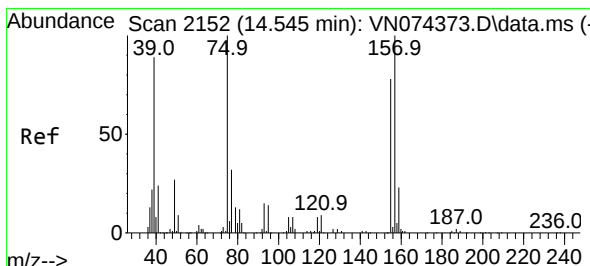
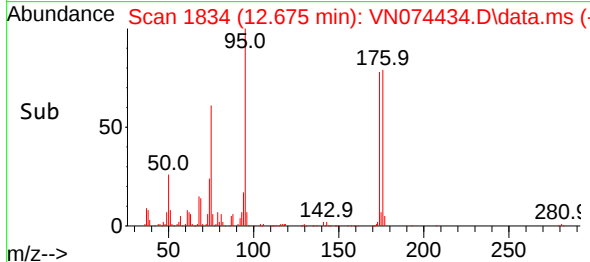
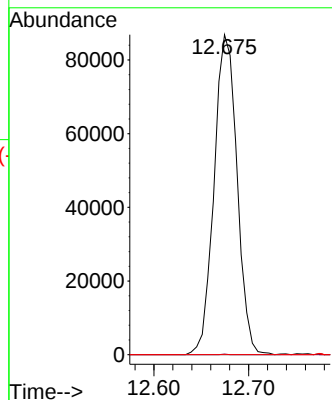
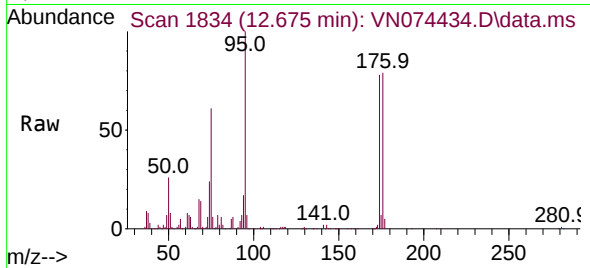




#81
trans-1,4-Dichloro-2-butene
Concen: 59.166 ug/l
RT: 12.675 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

Tgt Ion: 75 Resp: 146363
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.551 min Scan# 2153
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 02:39

Tgt Ion: 75 Resp: 57
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 46.2 138.5#

