

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074434.D
 Acq On : 13 Sep 2022 15:37
 Operator : JC\MD
 Sample : N4588-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1666

Quant Time: Sep 13 17:17:40 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)

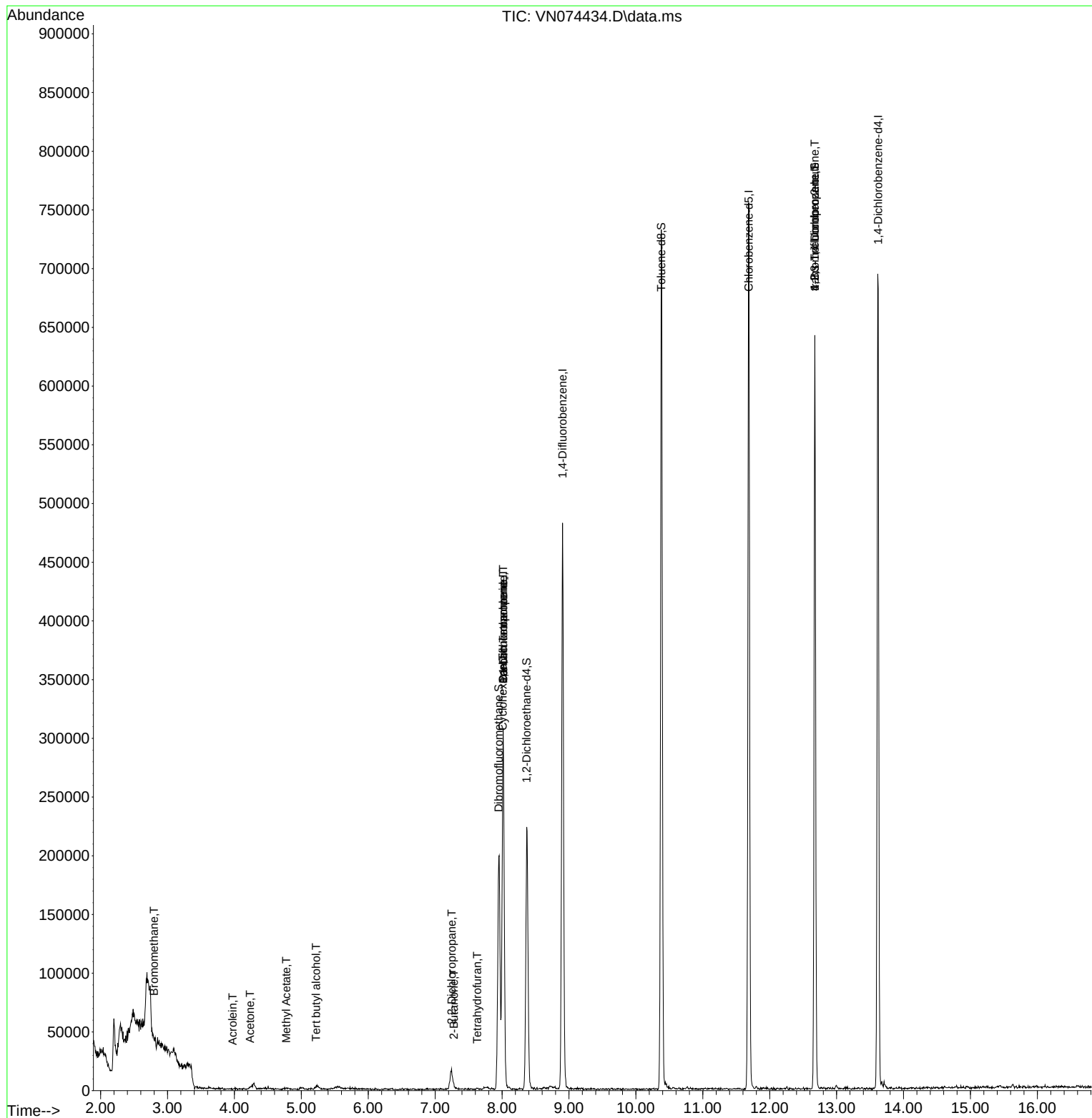
Internal Standards						
1) Pentafluorobenzene	8.016	168	195615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	371372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	366844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	161373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	171167	50.575	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.140%	
35) Dibromofluoromethane	7.951	113	139294	55.559	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.120%	
50) Toluene-d8	10.380	98	468533	47.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.920%	
62) 4-Bromofluorobenzene	12.674	95	182553	51.471	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1067	Below Cal	#	23
5) Bromomethane	2.798	94	715	0.242	ug/l #	2
6) Chloroethane	3.098	64	1847	Below Cal	#	42
11) Tert butyl alcohol	5.222	59	2292	2.589	ug/l #	71
13) Acrolein	3.975	56	146	0.248	ug/l #	78
16) Acetone	4.234	43	2379	1.302	ug/l #	46
18) Methyl Acetate	4.775	43	1175	0.218	ug/l #	79
20) Methylene Chloride	4.992	84	470	Below Cal	#	85
25) 2-Butanone	7.281	43	2570	0.838	ug/l #	90
26) 2,2-Dichloropropane	7.245	77	1320	0.264	ug/l #	55
29) Tetrahydrofuran	7.628	42	737	0.364	ug/l #	59
31) Cyclohexane	8.010	56	6250	1.161	ug/l #	52
36) 1,1-Dichloropropene	8.016	75	21525	5.211	ug/l #	50
38) Carbon Tetrachloride	8.016	117	22807	5.349	ug/l #	15
74) N-amyl acetate	12.304	43	544	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.674	75	114840	27.223	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	114840	60.678	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.539	75	59	Below Cal	#	37

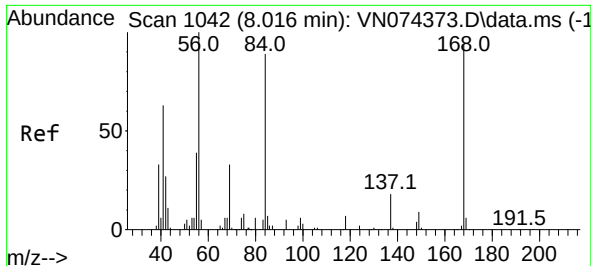
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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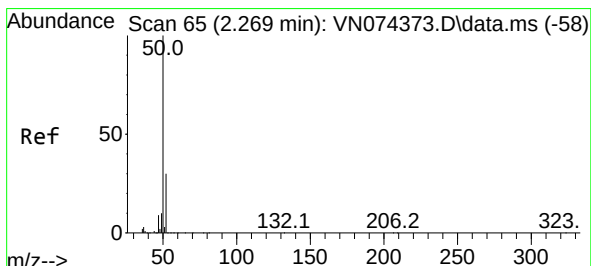
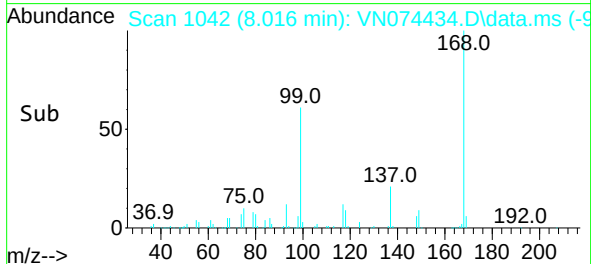
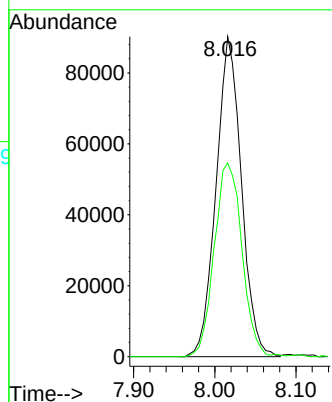
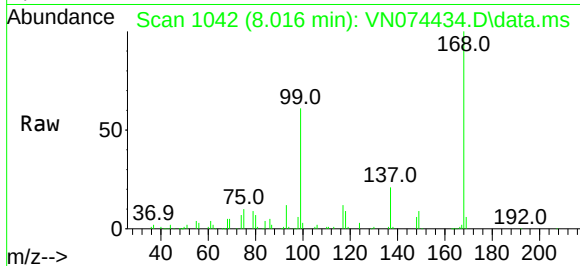




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

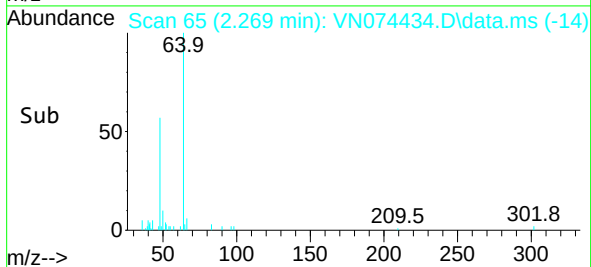
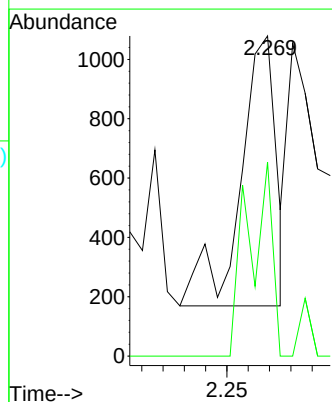
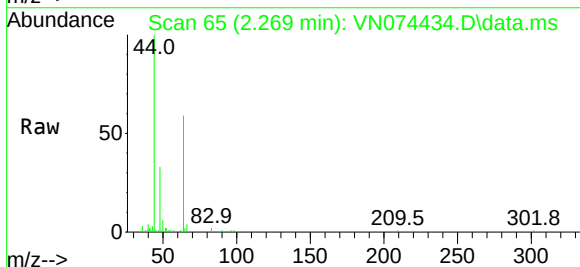
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

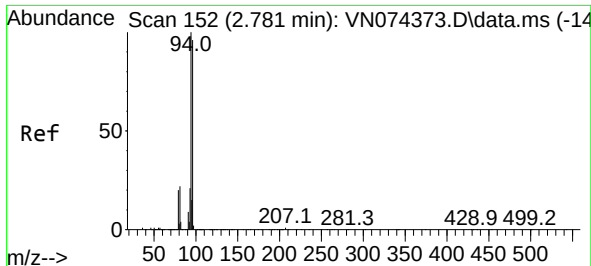
Tgt Ion:168 Resp: 195615
Ion Ratio Lower Upper
168 100
99 60.5 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 50 Resp: 1067
Ion Ratio Lower Upper
50 100
52 71.9 24.1 36.1#

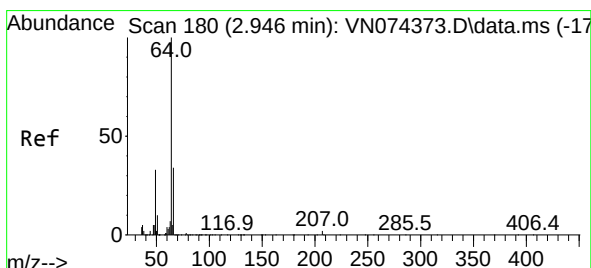
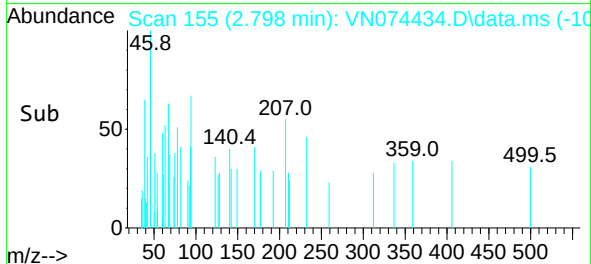
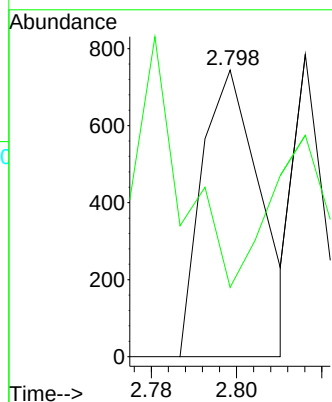
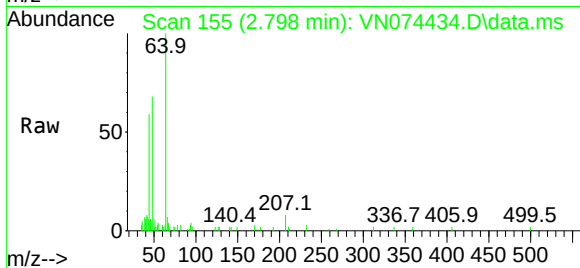




#5
Bromomethane
Concen: 0.242 ug/l
RT: 2.798 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

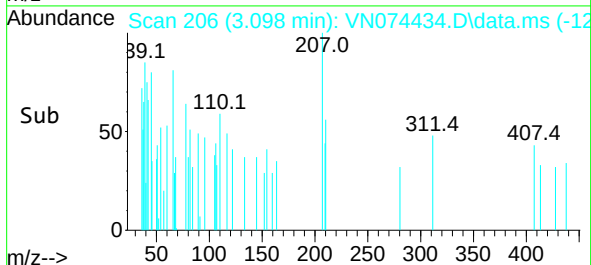
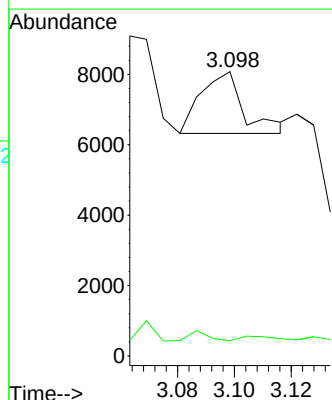
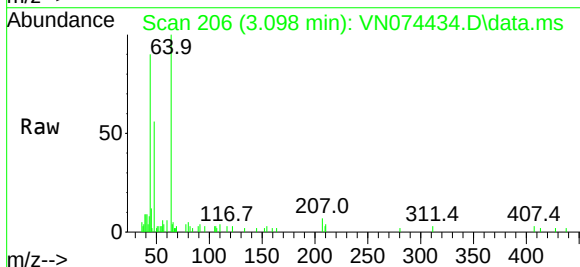
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

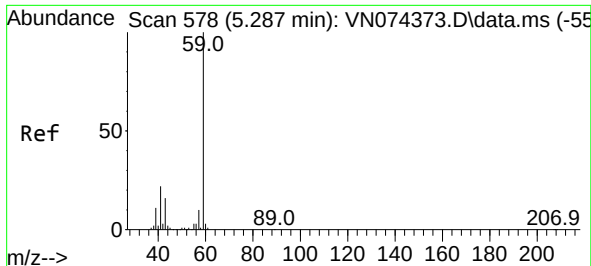
Tgt Ion: 94 Resp: 715
Ion Ratio Lower Upper
94 100
96 0.0 76.7 115.1#



#6
Chloroethane
Concen: Below Cal
RT: 3.098 min Scan# 206
Delta R.T. 0.152 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 64 Resp: 1847
Ion Ratio Lower Upper
64 100
66 0.0 26.5 39.7#

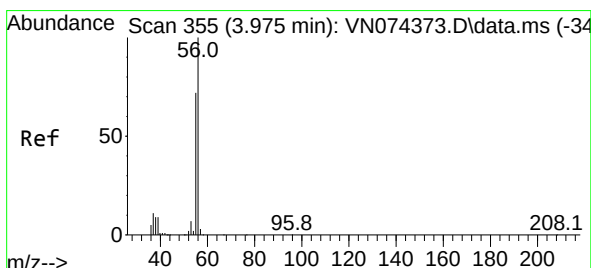
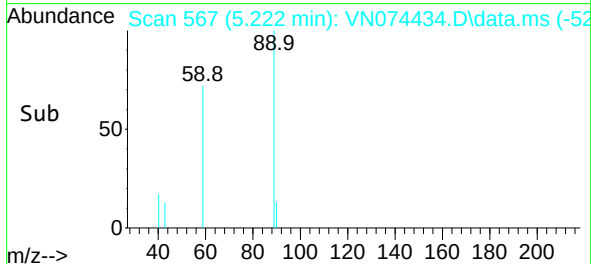
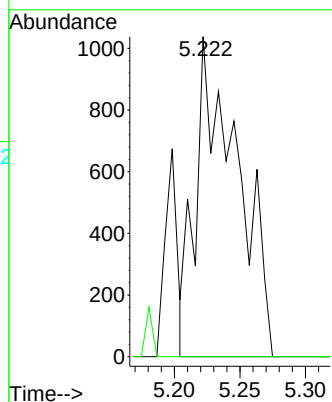
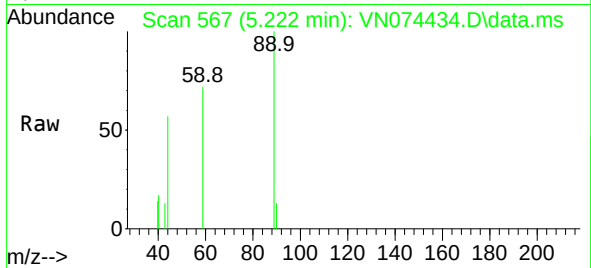




#11
Tert butyl alcohol
Concen: 2.589 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.065 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

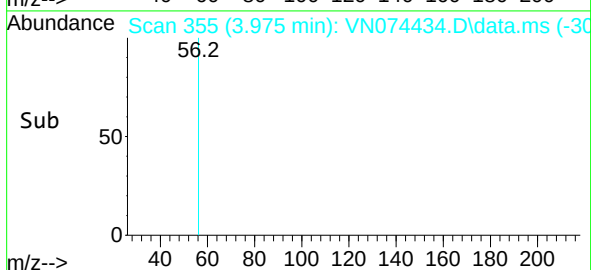
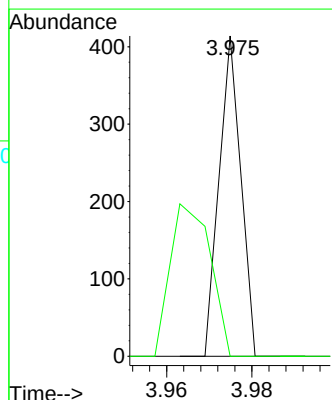
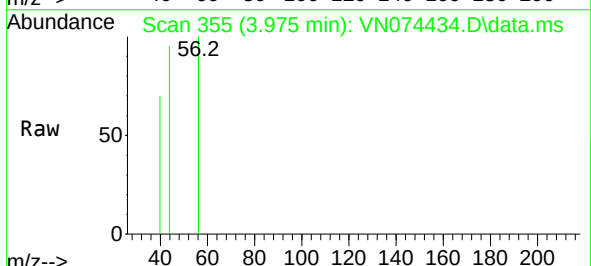
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

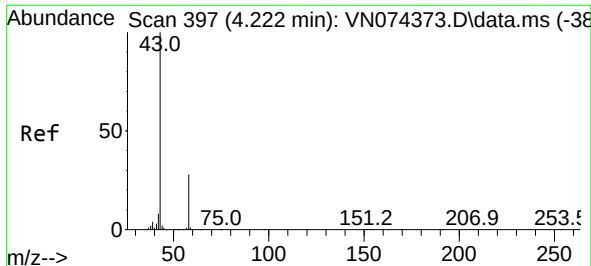
Tgt Ion: 59 Resp: 2292
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#13
Acrolein
Concen: 0.248 ug/l
RT: 3.975 min Scan# 355
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 88.4 56.2 84.4#

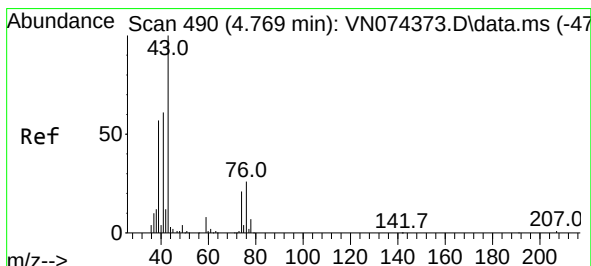
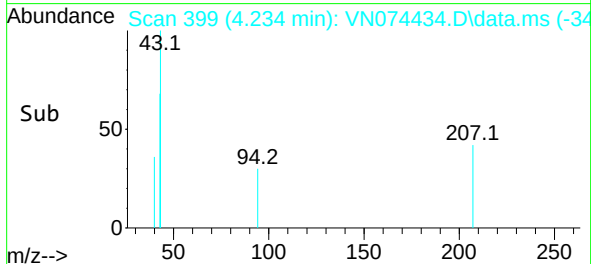
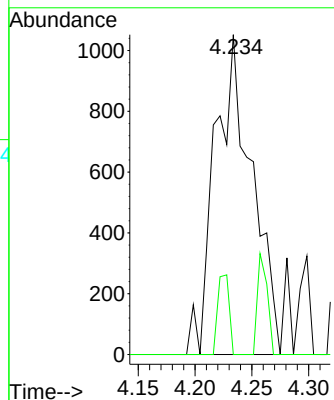
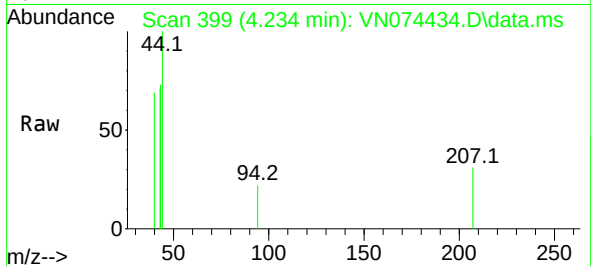




#16
Acetone
Concen: 1.302 ug/l
RT: 4.234 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

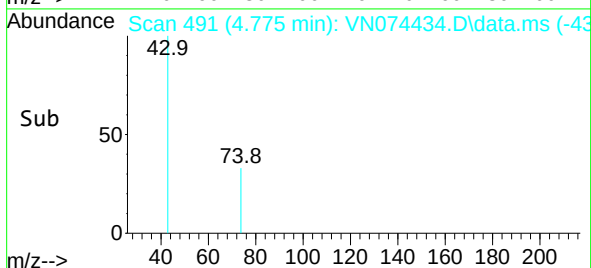
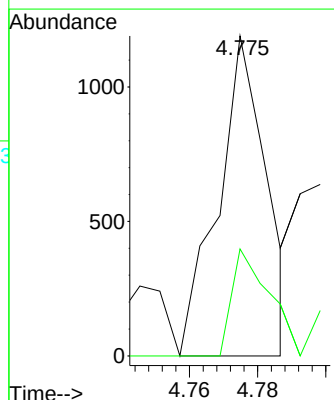
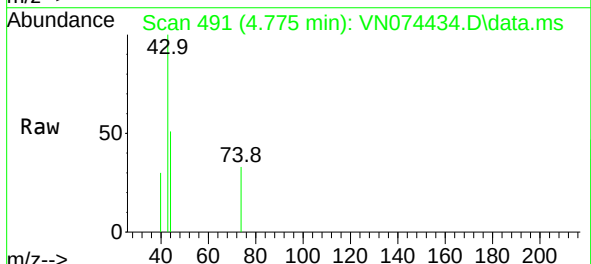
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

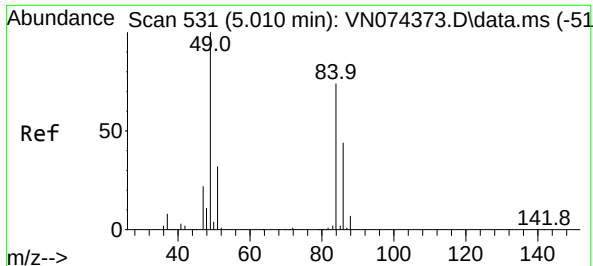
Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

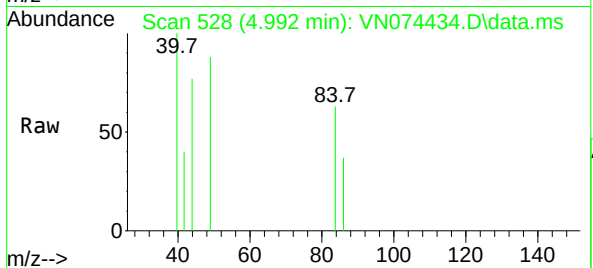
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
74 30.9 16.7 25.1#



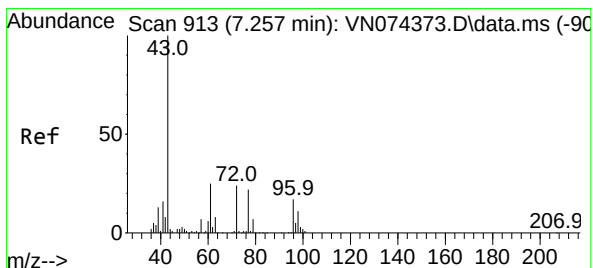
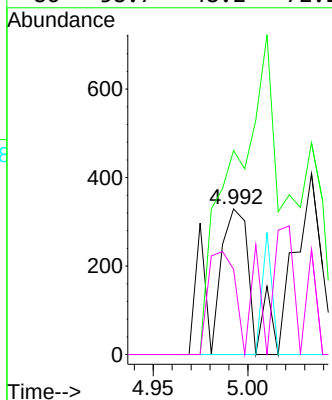
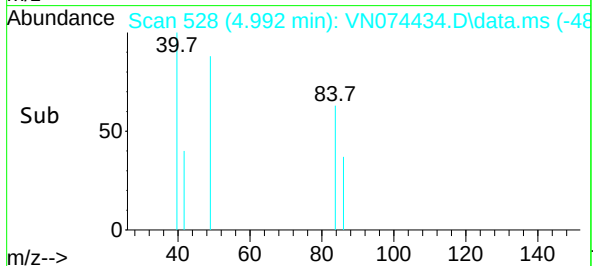


#20
Methylene Chloride
Concen: Below Cal
RT: 4.992 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

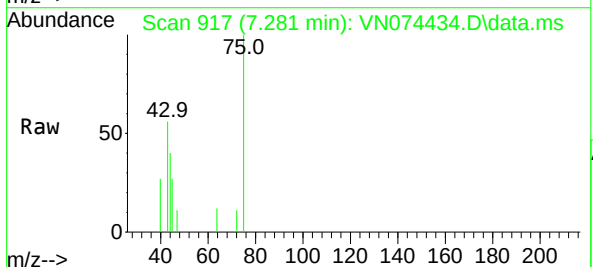
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666



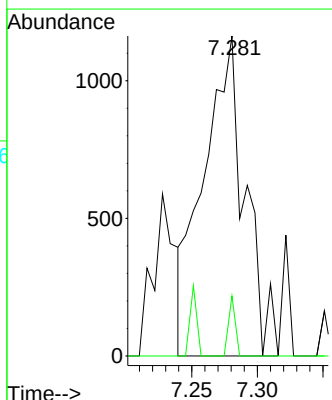
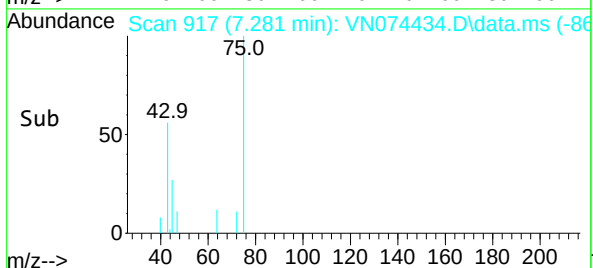
Tgt Ion: 84 Resp: 470
Ion Ratio Lower Upper
84 100
49 140.1 108.2 162.4
51 0.0 34.3 51.5#
86 58.7 48.2 72.2

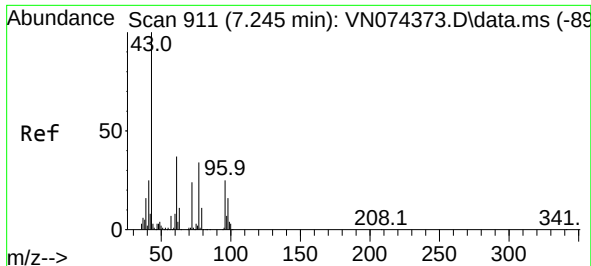


#25
2-Butanone
Concen: 0.838 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.023 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37



Tgt Ion: 43 Resp: 2570
Ion Ratio Lower Upper
43 100
72 18.7 18.9 28.3#

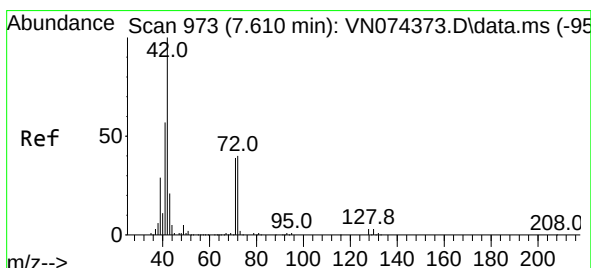
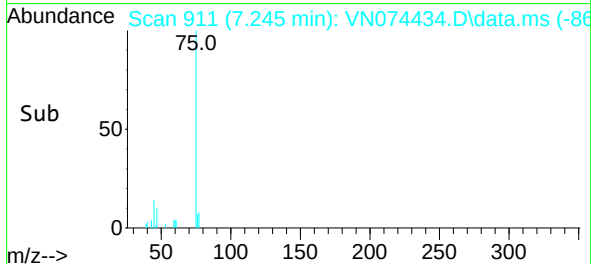
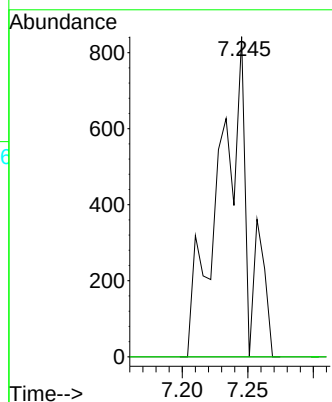
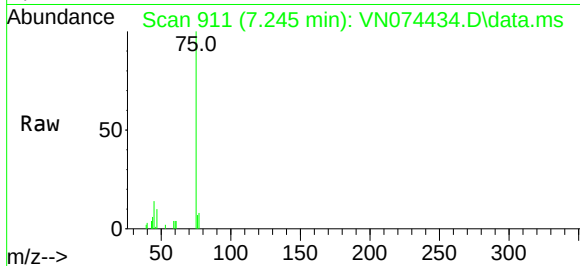




#26
2,2-Dichloropropane
Concen: 0.264 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

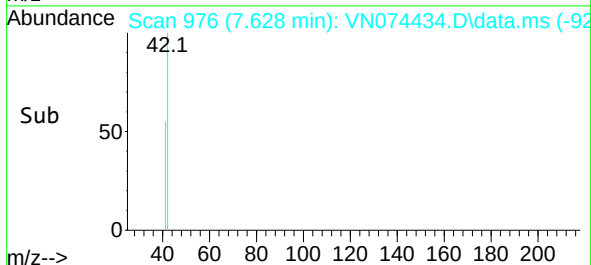
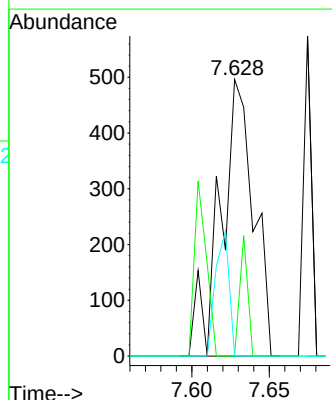
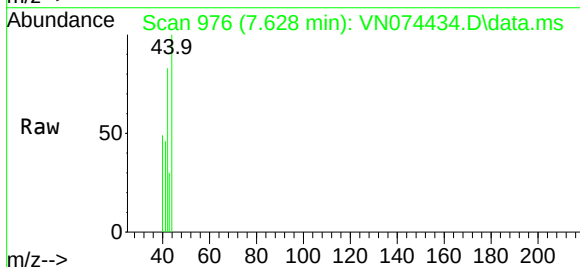
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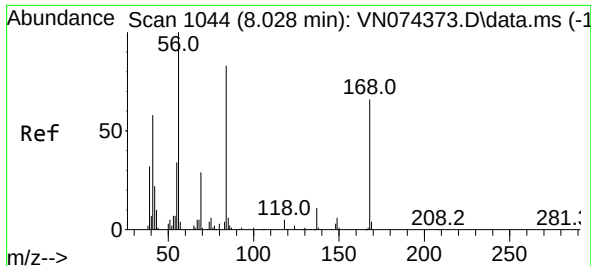
Tgt Ion: 77 Resp: 1320
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#29
Tetrahydrofuran
Concen: 0.364 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 42 Resp: 737
Ion Ratio Lower Upper
42 100
72 10.3 32.7 49.1#
71 18.6 31.0 46.6#

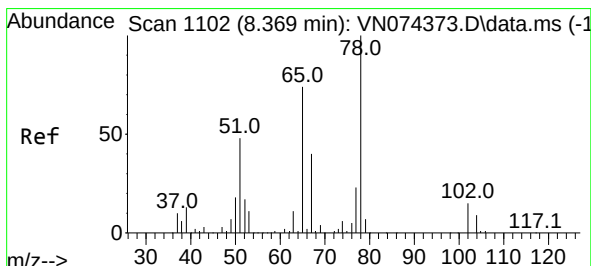
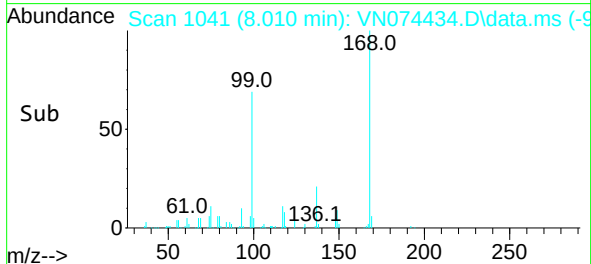
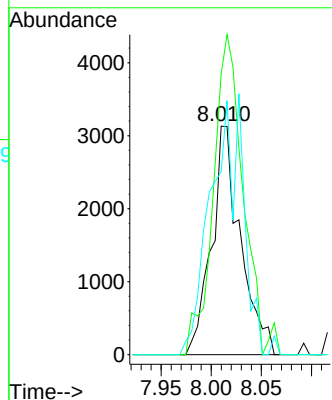
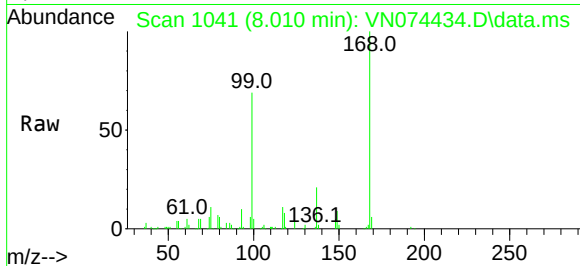




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.010 min Scan# 1044
Delta R.T. -0.018 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

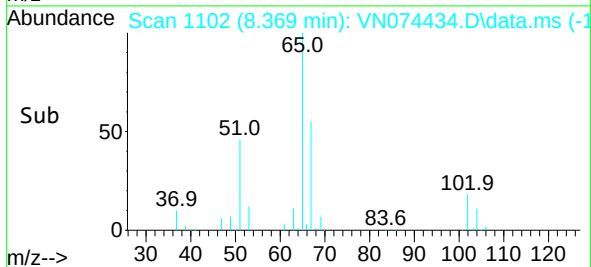
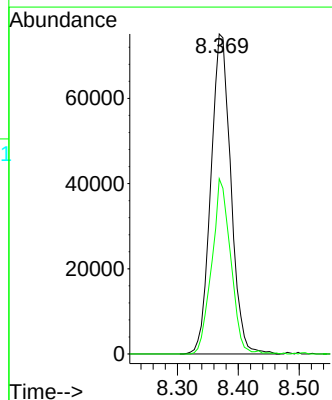
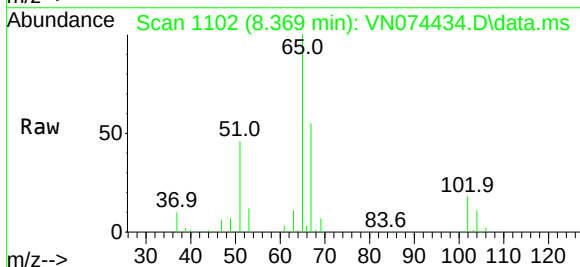
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

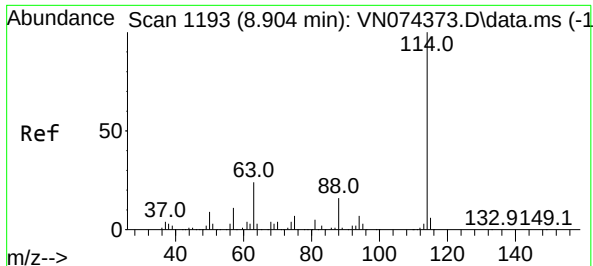
Tgt Ion: 56 Resp: 6250
Ion Ratio Lower Upper
56 100
69 123.0 23.0 34.4#
84 80.0 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 50.575 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 65 Resp: 171167
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4

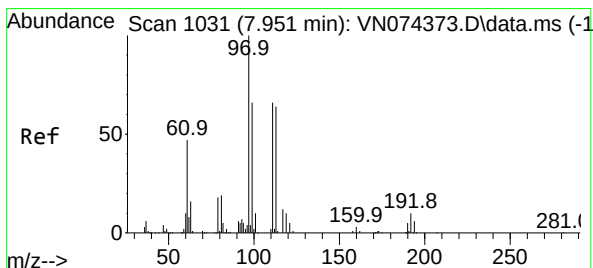
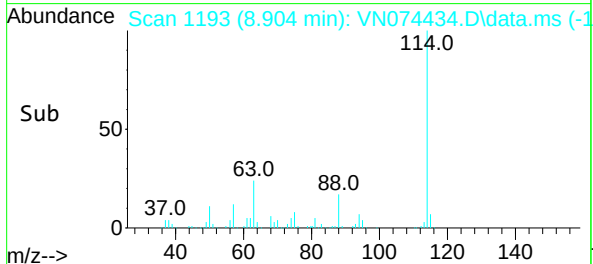
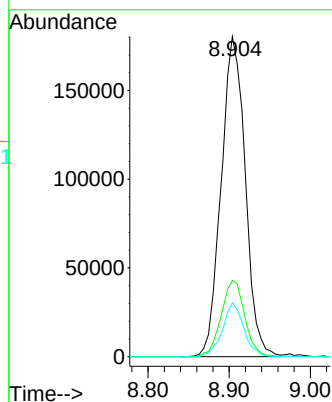
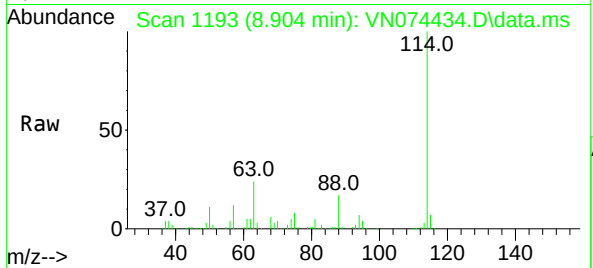




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

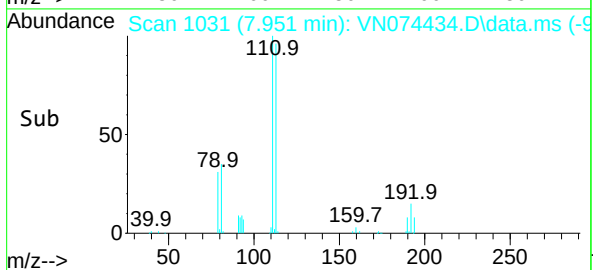
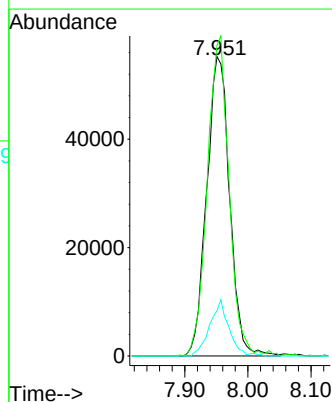
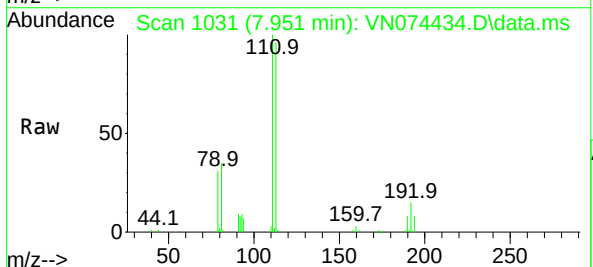
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

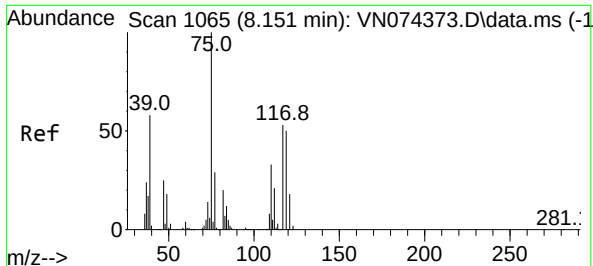
Tgt Ion:114 Resp: 371372
Ion Ratio Lower Upper
114 100
63 23.8 0.0 47.6
88 16.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.559 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion:113 Resp: 139294
Ion Ratio Lower Upper
113 100
111 101.0 83.0 124.4
192 15.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.211 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074434.D

Acq: 13 Sep 2022 15:37

Instrument :

MSVOA_N

ClientSampleId :

AUD-1666

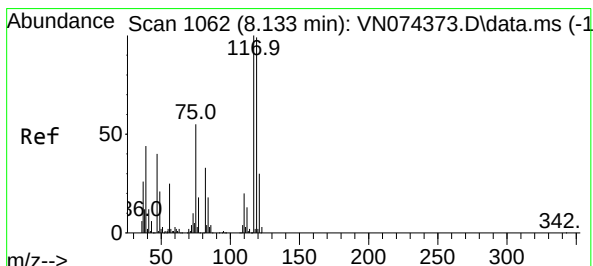
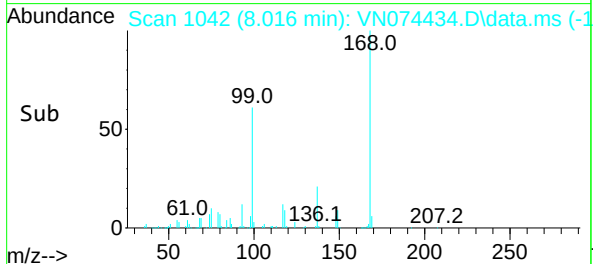
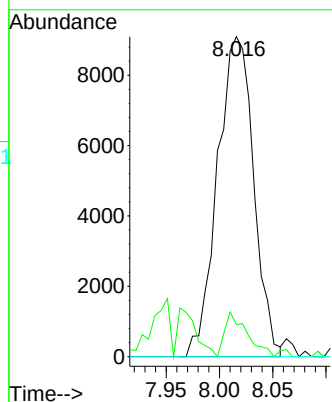
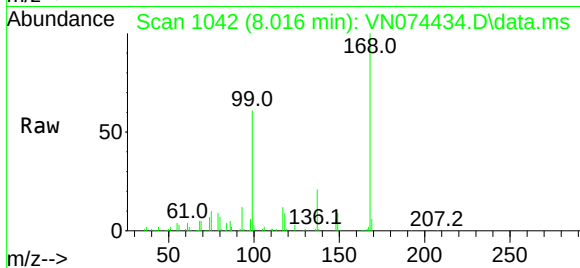
Tgt Ion: 75 Resp: 21525

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.349 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN074434.D

Acq: 13 Sep 2022 15:37

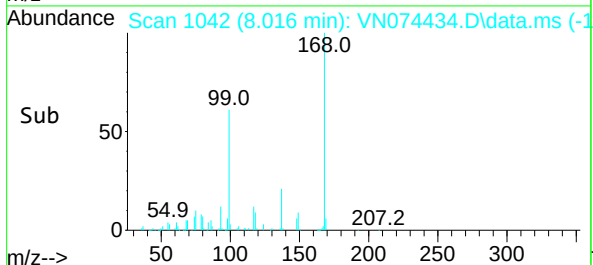
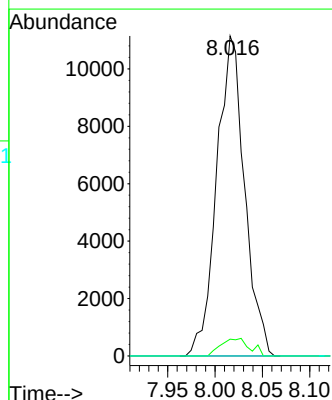
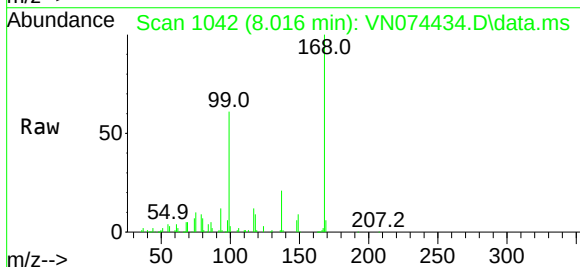
Tgt Ion: 117 Resp: 22807

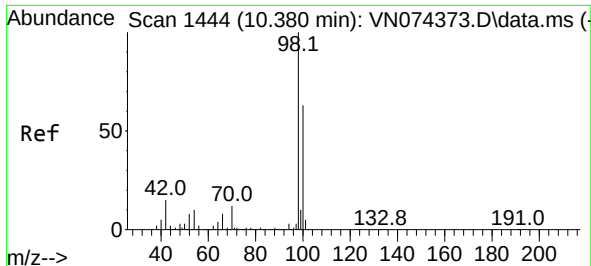
Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

121 0.0 24.1 36.1#

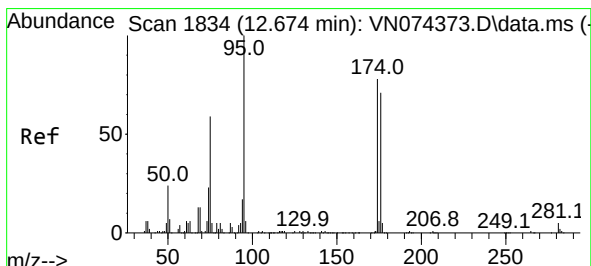
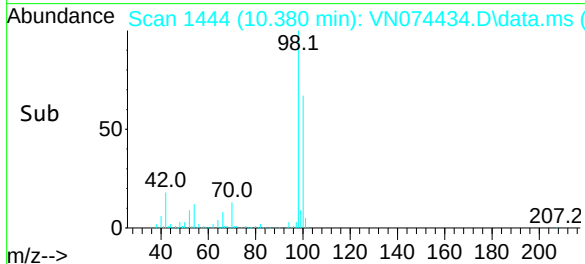
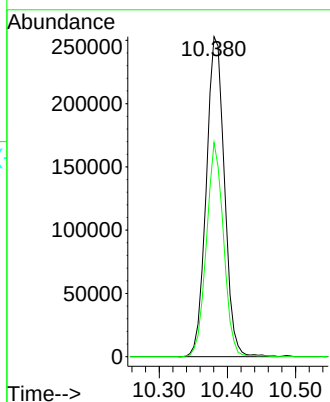
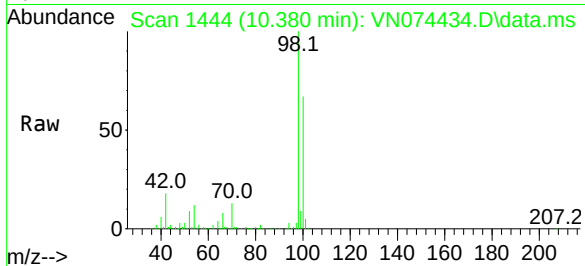




#50
Toluene-d8
Concen: 47.962 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

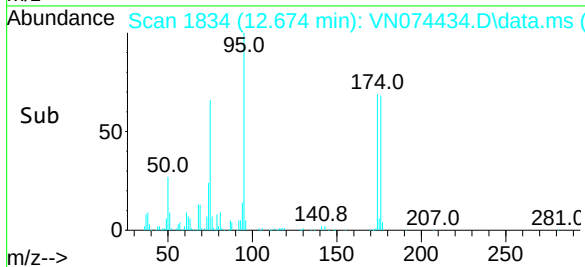
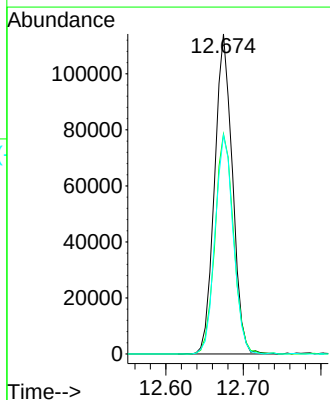
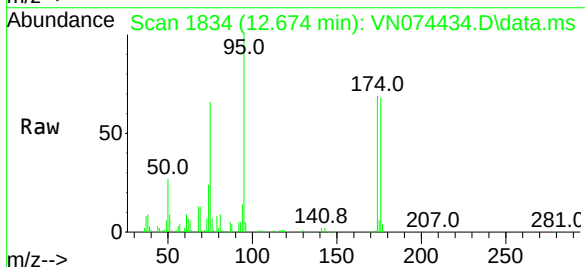
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

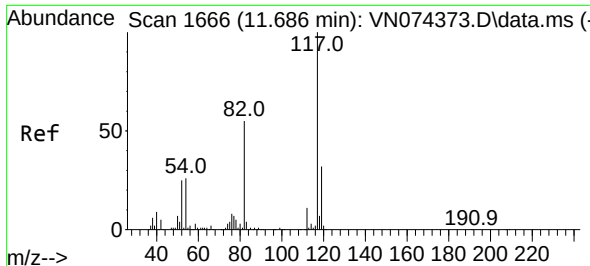
Tgt Ion: 98 Resp: 468533
Ion Ratio Lower Upper
98 100
100 63.1 50.6 76.0



#62
4-Bromofluorobenzene
Concen: 51.471 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 95 Resp: 182553
Ion Ratio Lower Upper
95 100
174 71.4 0.0 150.6
176 69.7 0.0 143.4

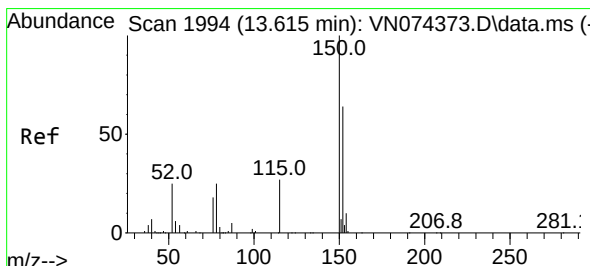
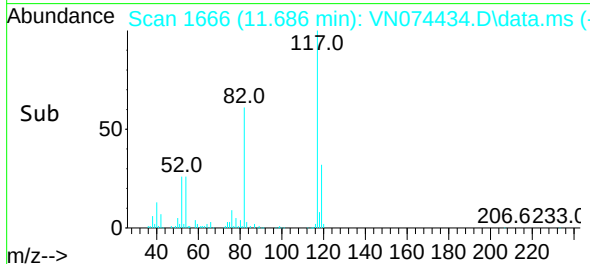
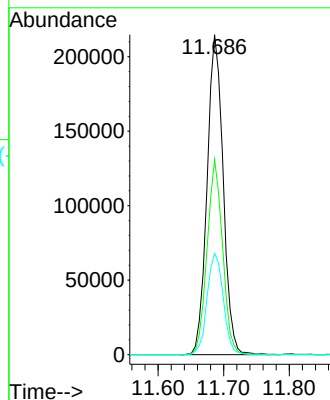
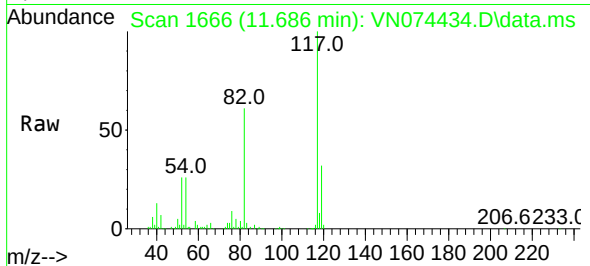




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

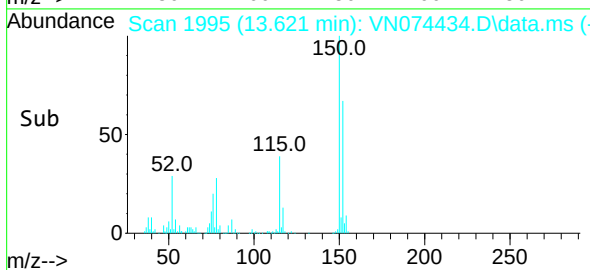
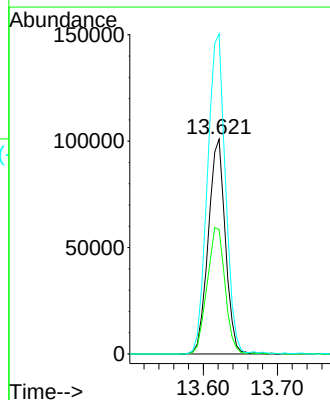
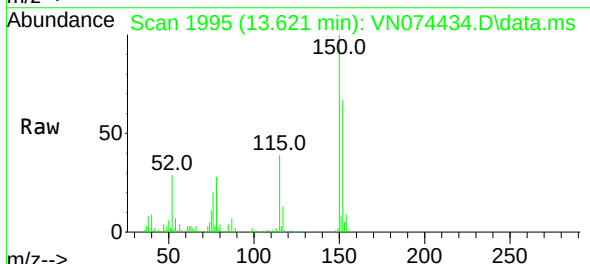
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

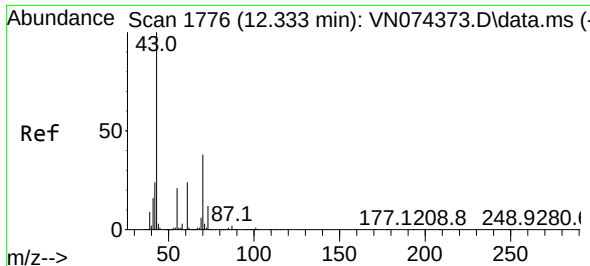
Tgt Ion:117 Resp: 366844
Ion Ratio Lower Upper
117 100
82 61.0 44.3 66.5
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.621 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion:152 Resp: 161373
Ion Ratio Lower Upper
152 100
115 62.0 32.0 96.0
150 156.8 0.0 359.6

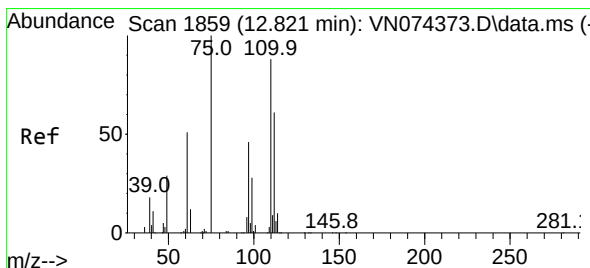
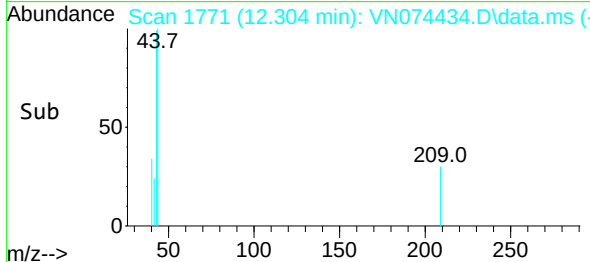
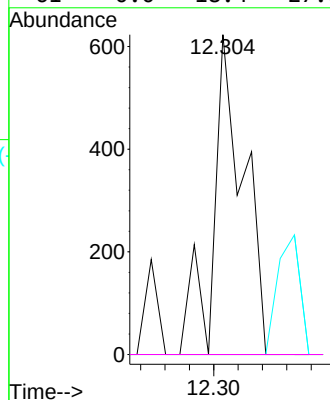
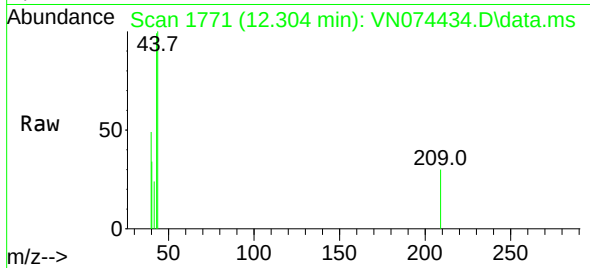




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.304 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

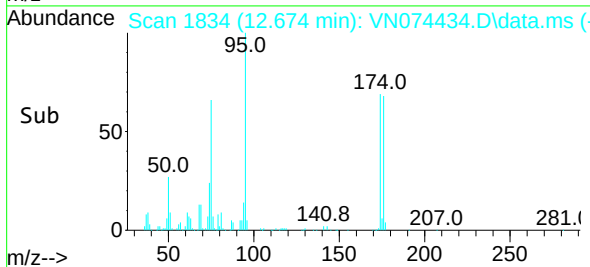
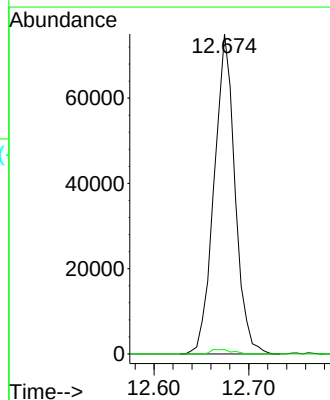
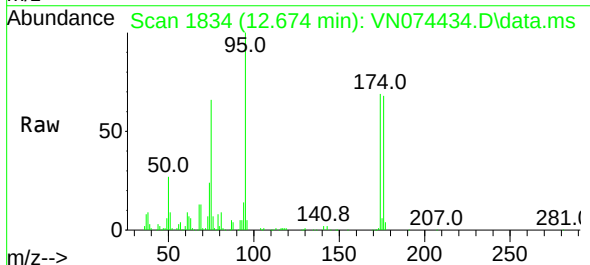
Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

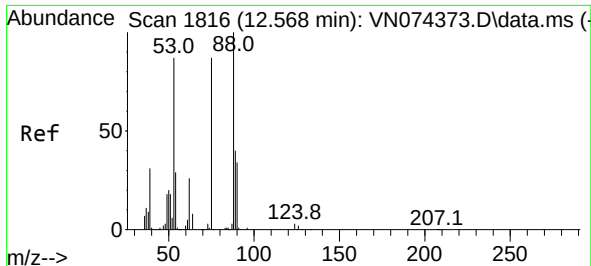
Tgt Ion: 43	Resp: 544
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 0.0	17.0 25.6#
61 0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 27.223 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 75	Resp: 114840
Ion Ratio	Lower Upper
75 100	
77 1.4	78.9 236.7#

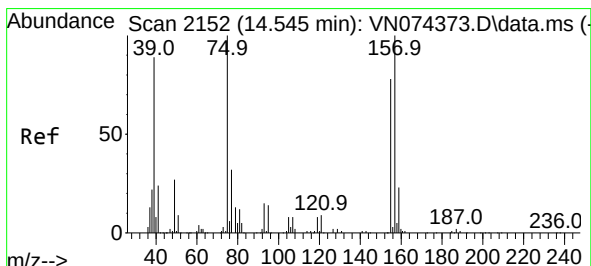
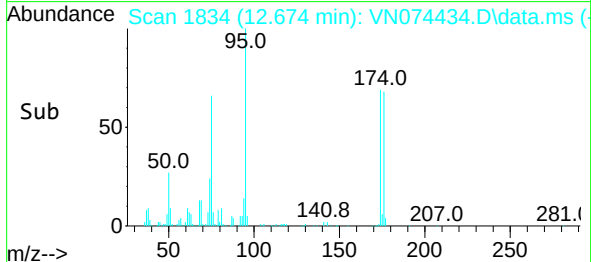
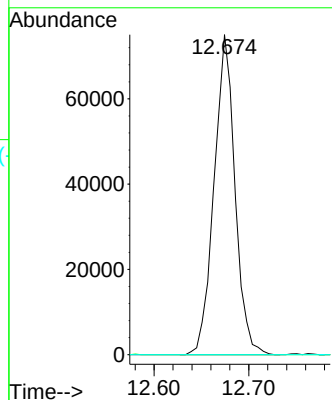
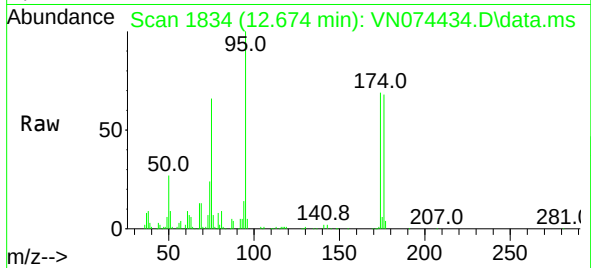




#81
trans-1,4-Dichloro-2-butene
Concen: 60.678 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Instrument :
MSVOA_N
ClientSampleId :
AUD-1666

Tgt Ion: 75 Resp: 114840
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: 14.539 min Scan# 2151
Delta R.T. -0.006 min
Lab File: VN074434.D
Acq: 13 Sep 2022 15:37

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 89.8 36.6 109.9
157 0.0 46.2 138.5#

