

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074673.D
 Acq On : 30 Sep 2022 17:41
 Operator : JC\MD
 Sample : N4933-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:07:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.934	168	562579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1094406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	1135386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	514633	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.292	65	742967	52.695	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.380%
35) Dibromofluoromethane	7.869	113	609657	52.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.260%
50) Toluene-d8	10.310	98	2343558	48.098	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.604	95	772027	49.969	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.940%

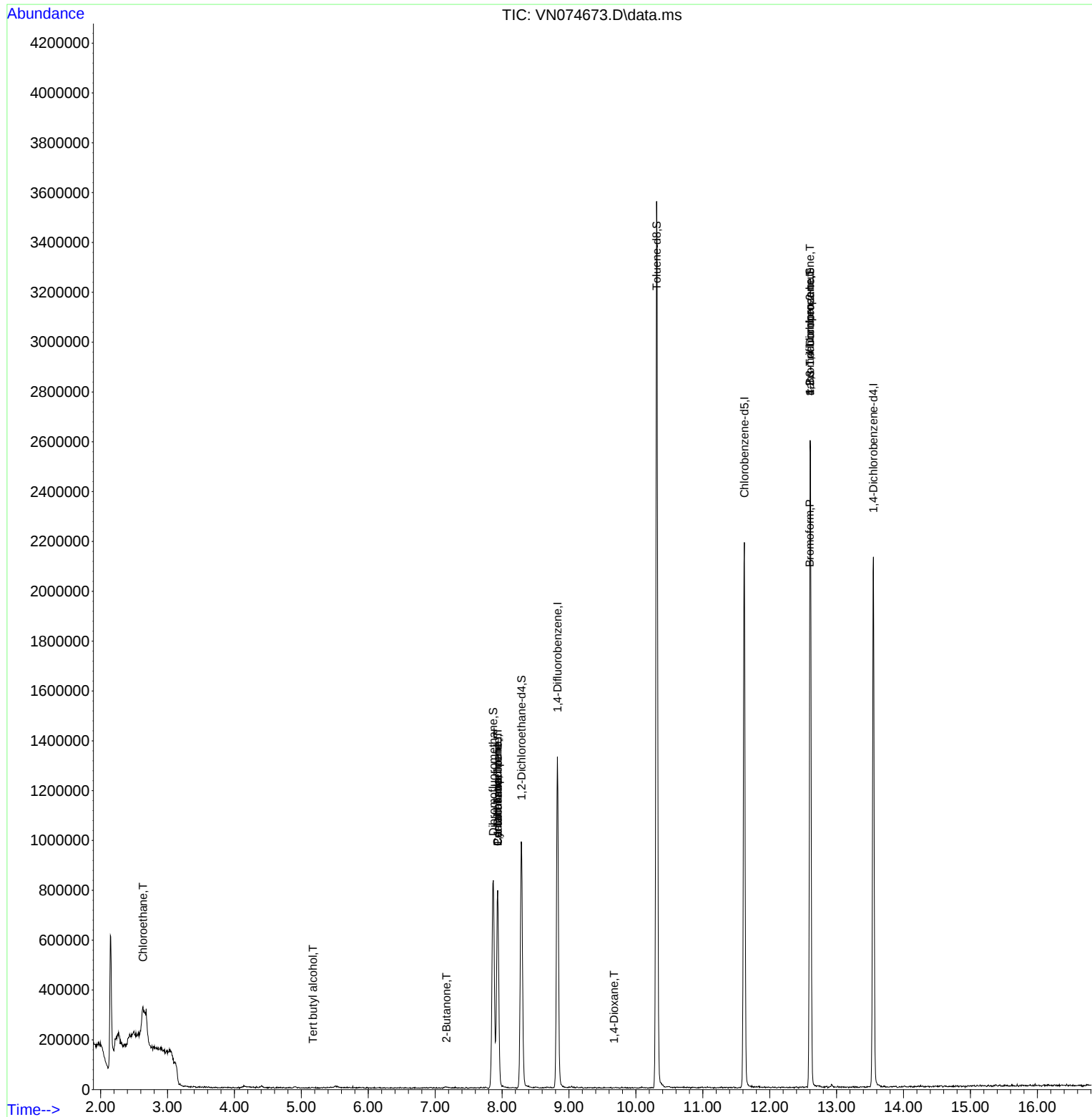
Target Compounds					Qvalue	
6) Chloroethane	2.634	64	37093	1.929	ug/l #	48
8) Diethyl Ether	3.846	74	155	Below Cal	#	1
11) Tert butyl alcohol	5.175	59	2175	0.578	ug/l #	80
13) Acrolein	3.875	56	448	Below Cal	#	41
16) Acetone	4.151	43	11497	Below Cal	#	86
20) Methylene Chloride	4.887	84	1720	Below Cal	#	44
25) 2-Butanone	7.169	43	8083	0.623	ug/l #	89
31) Cyclohexane	7.934	56	17744	0.775	ug/l #	54
36) 1,1-Dichloropropene	7.934	75	55658	3.000	ug/l #	44
38) Carbon Tetrachloride	7.934	117	61530	3.620	ug/l #	15
49) 1,4-Dioxane	9.675	88	197	0.571	ug/l #	1
71) Bromoform	12.598	173	4037	0.415	ug/l #	28
74) N-amyl acetate	12.269	43	269	Below Cal	#	53
75) 1,1,2,2-Tetrachloroethane	12.674	83	66	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.604	75	473797	40.758	ug/l #	1
77) Bromobenzene	12.727	156	176	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	473797	76.936	ug/l #	10

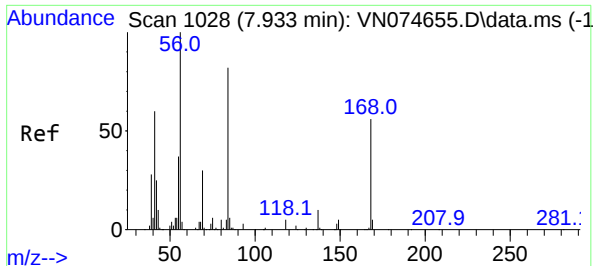
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:07:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 30 07:44:59 2022
Response via : Initial Calibration

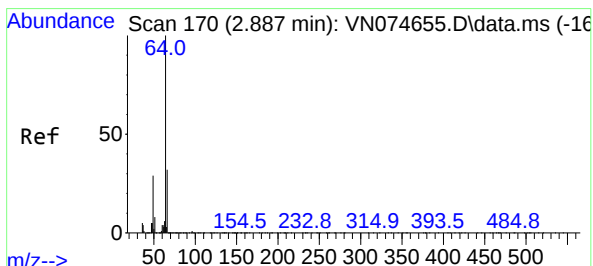
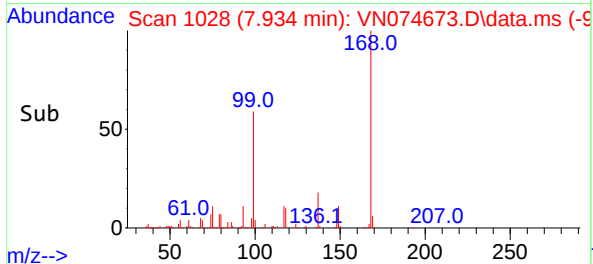
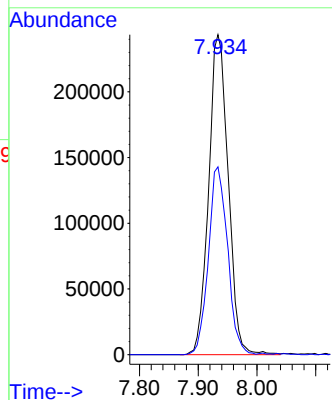
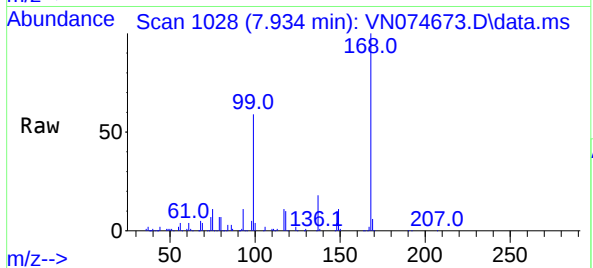




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

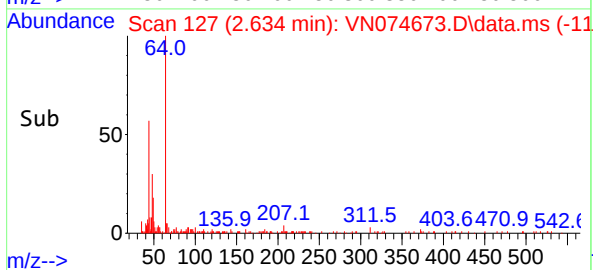
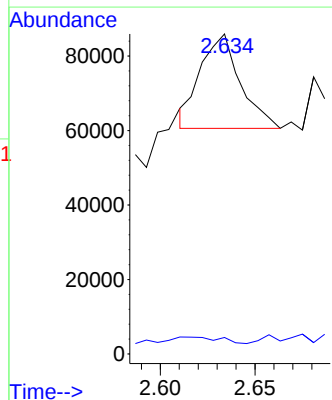
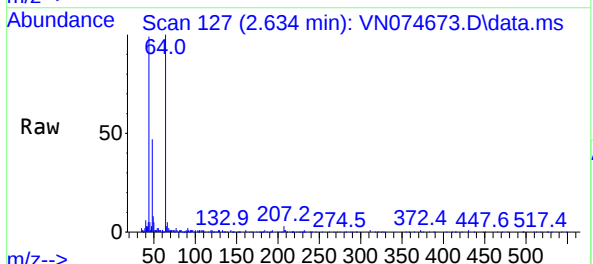
Instrument :
MSVOA_N
ClientSampleId :

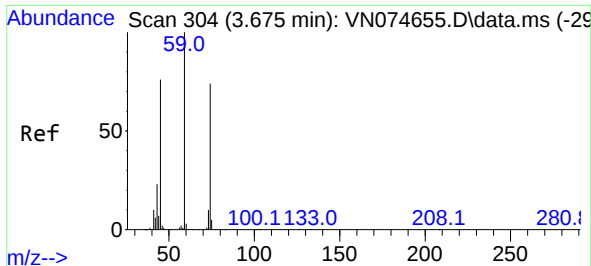
Tgt Ion:168 Resp: 562579
Ion Ratio Lower Upper
168 100
99 58.7 42.3 63.5



#6
Chloroethane
Concen: 1.929 ug/l
RT: 2.634 min Scan# 127
Delta R.T. -0.253 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

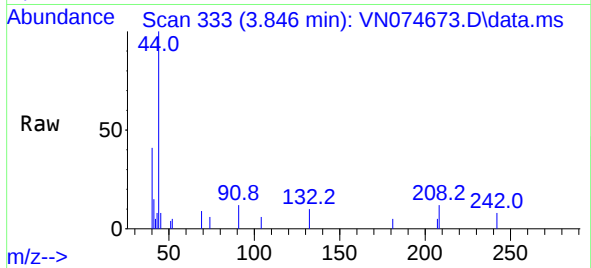
Tgt Ion: 64 Resp: 37093
Ion Ratio Lower Upper
64 100
66 3.8 26.2 39.4#



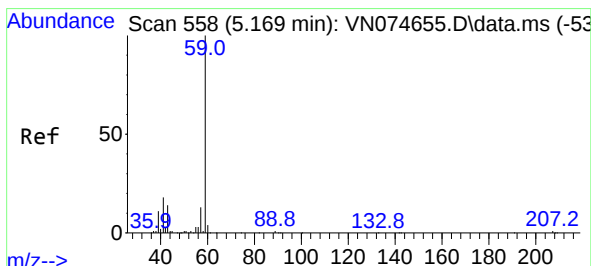
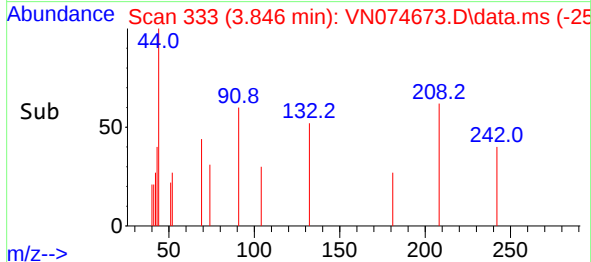
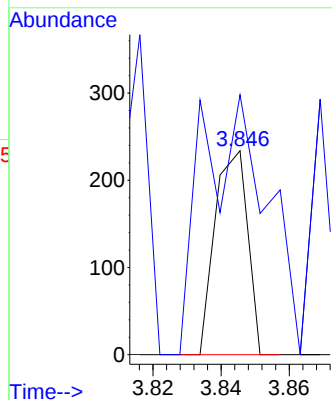


#8
Diethyl Ether
Concen: Below Cal
RT: 3.846 min Scan# 31
Delta R.T. 0.171 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

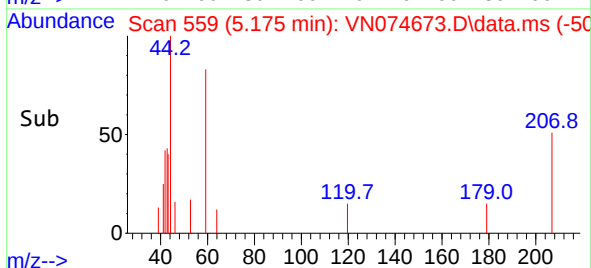
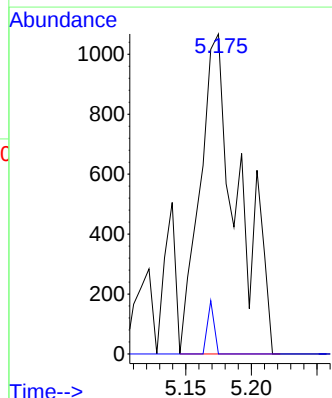
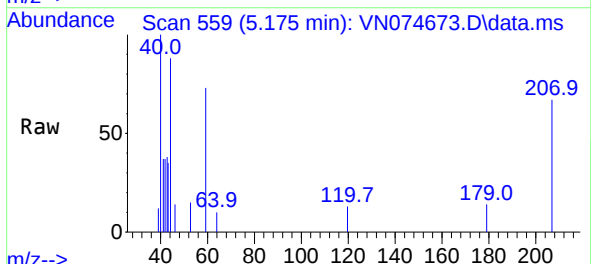


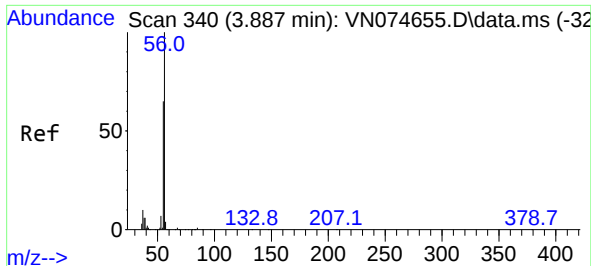
Tgt Ion: 74 Resp: 155
Ion Ratio Lower Upper
74 100
45 251.6 42.9 128.5#



#11
Tert butyl alcohol
Concen: 0.578 ug/l
RT: 5.175 min Scan# 559
Delta R.T. 0.006 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

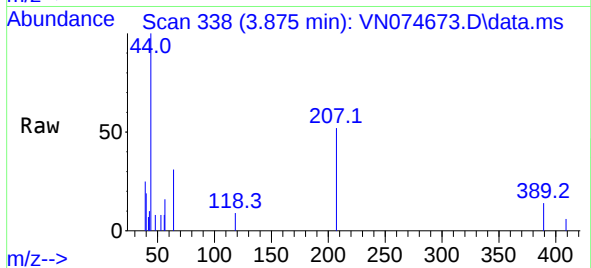
Tgt Ion: 59 Resp: 2175
Ion Ratio Lower Upper
59 100
57 2.9 8.3 12.5#



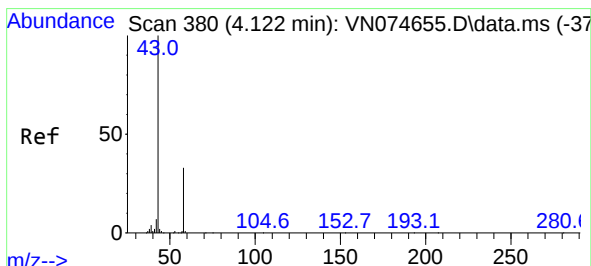
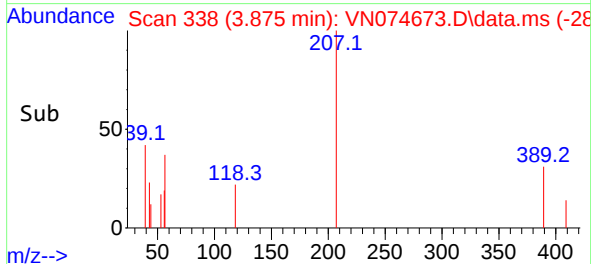
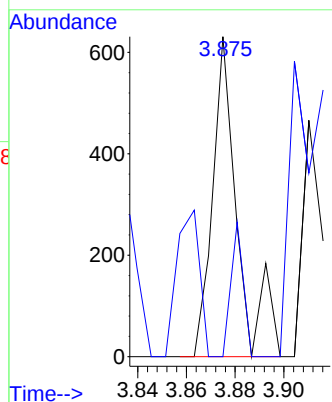


#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

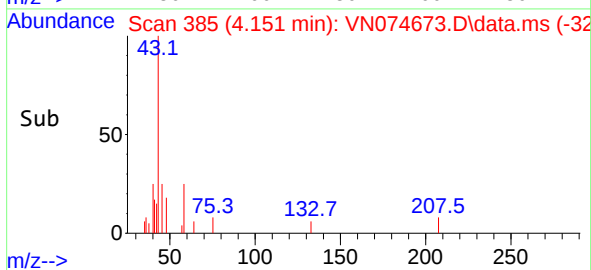
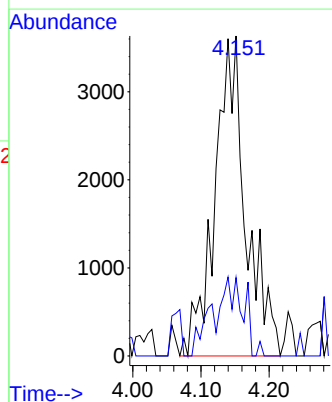
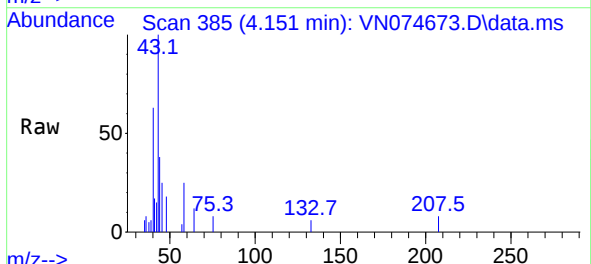


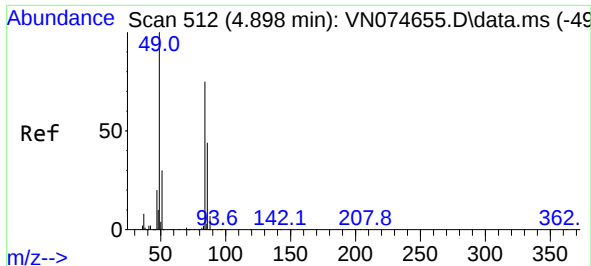
Tgt Ion: 56 Resp: 448
Ion Ratio Lower Upper
56 100
55 21.0 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.151 min Scan# 385
Delta R.T. 0.029 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

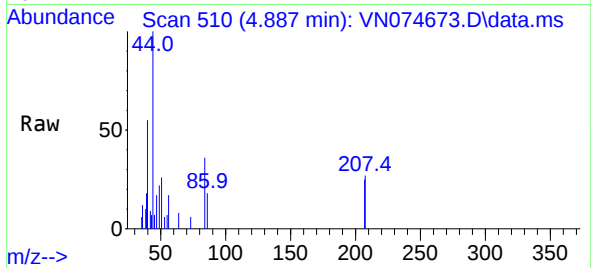
Tgt Ion: 43 Resp: 11497
Ion Ratio Lower Upper
43 100
58 24.5 26.0 39.0#



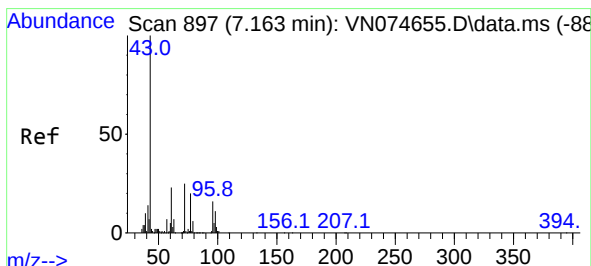
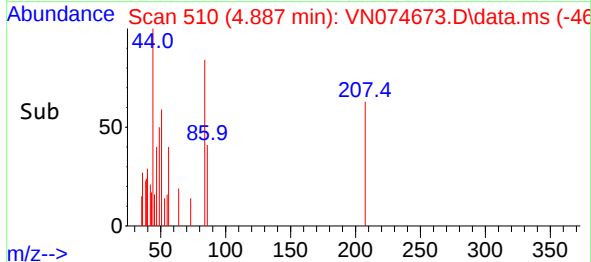
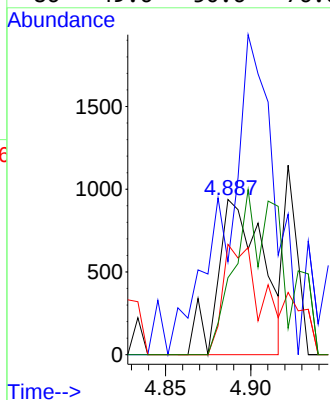


#20
Methylene Chloride
Concen: Below Cal
RT: 4.887 min Scan# 512
Delta R.T. -0.011 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

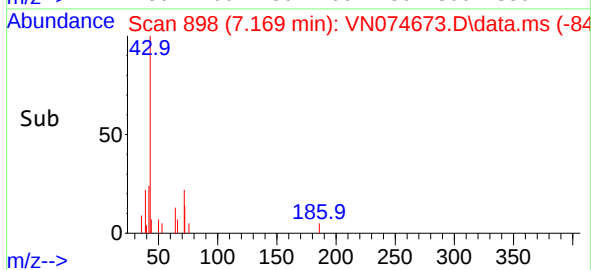
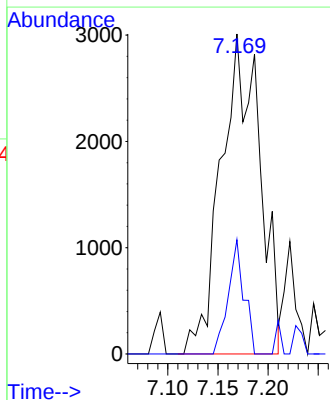
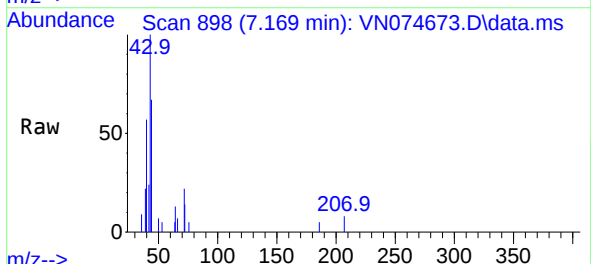


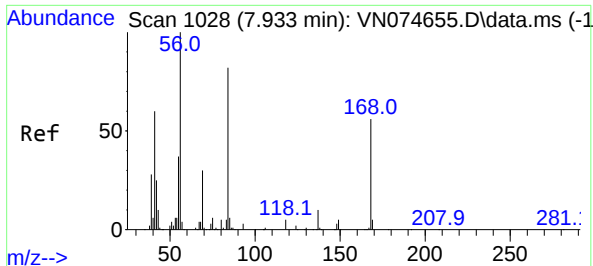
Tgt Ion: 84 Resp: 1720
Ion Ratio Lower Upper
84 100
49 29.7 88.3 132.5#
51 71.0 28.2 42.2#
86 49.6 50.6 76.0#



#25
2-Butanone
Concen: 0.623 ug/l
RT: 7.169 min Scan# 898
Delta R.T. 0.006 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Tgt Ion: 43 Resp: 8083
Ion Ratio Lower Upper
43 100
72 35.7 23.7 35.5#





#31

Cyclohexane

Concen: 0.775 ug/l

RT: 7.934 min Scan# 1028

Delta R.T. 0.001 min

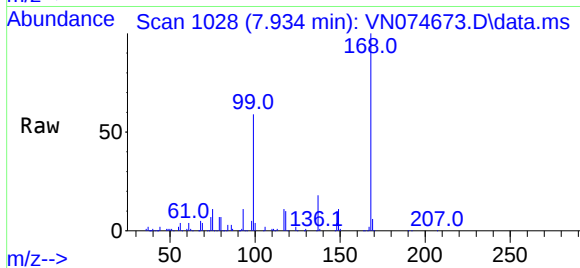
Lab File: VN074673.D

Acq: 30 Sep 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :



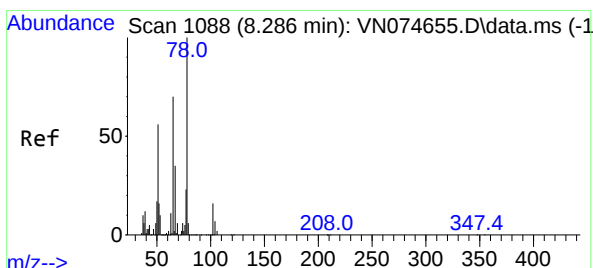
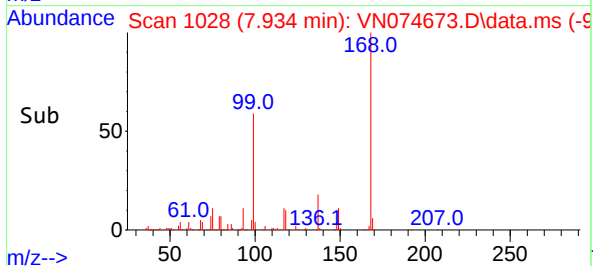
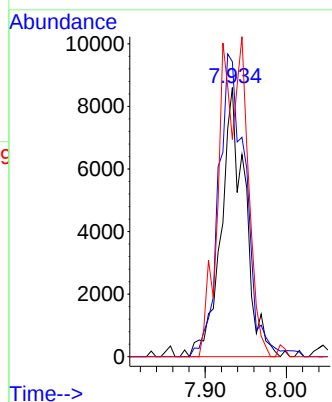
Tgt Ion: 56 Resp: 17744

Ion Ratio Lower Upper

56 100

69 109.7 27.8 41.8#

84 80.8 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 52.695 ug/l

RT: 8.292 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN074673.D

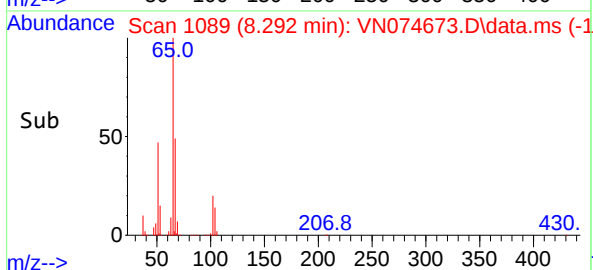
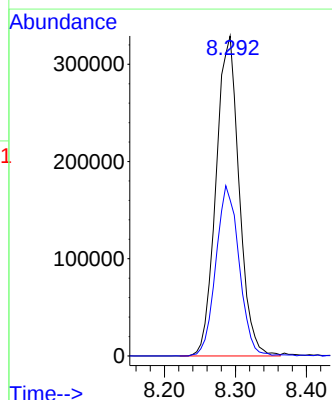
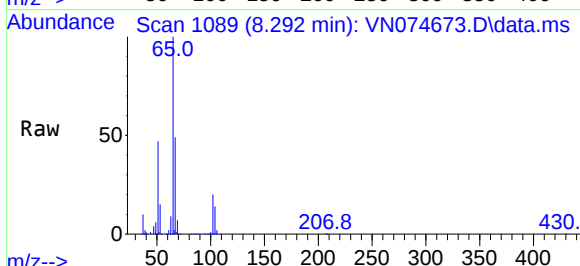
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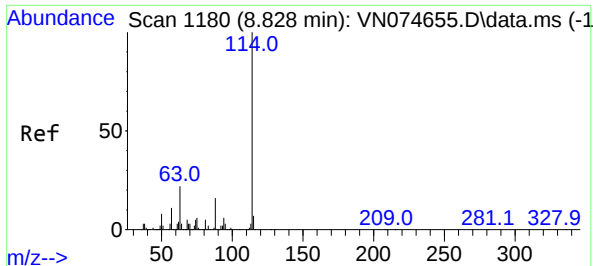
Tgt Ion: 65 Resp: 742967

Ion Ratio Lower Upper

65 100

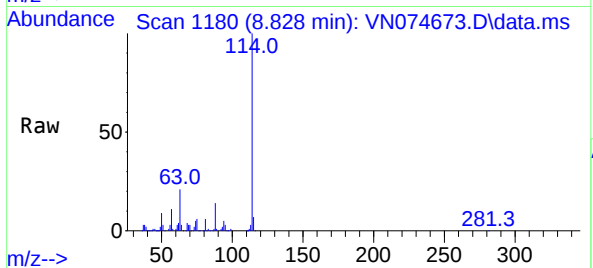
67 53.4 0.0 104.8



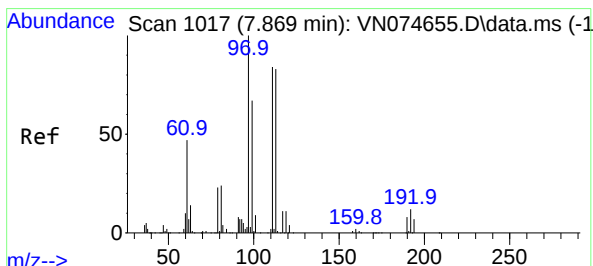
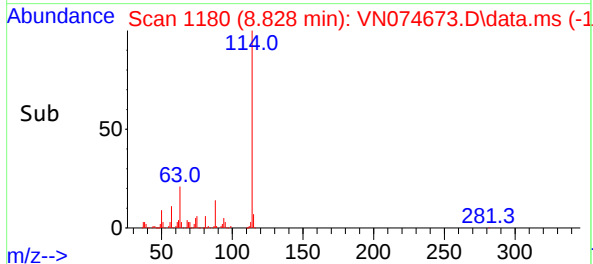
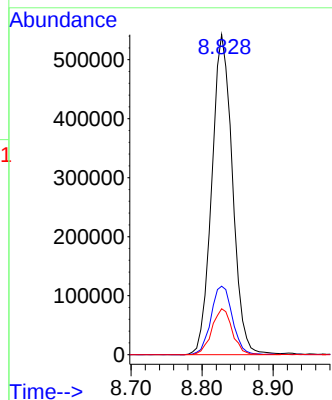


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

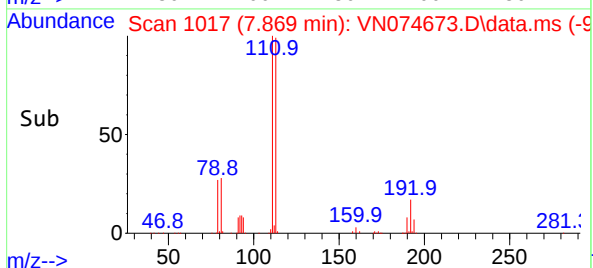
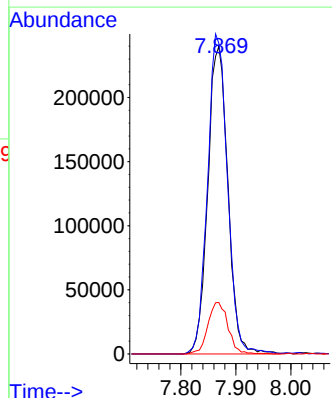
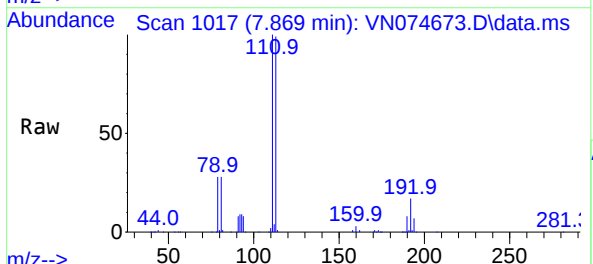


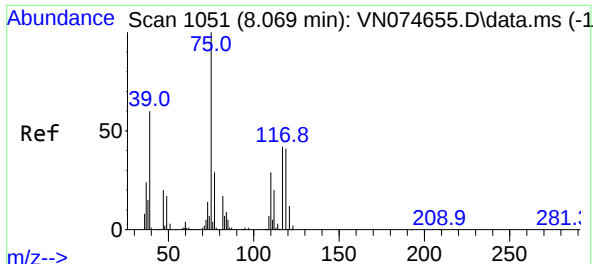
Tgt Ion:114 Resp: 1094406
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 14.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.630 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Tgt Ion:113 Resp: 609657
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 16.7 17.0 25.6#

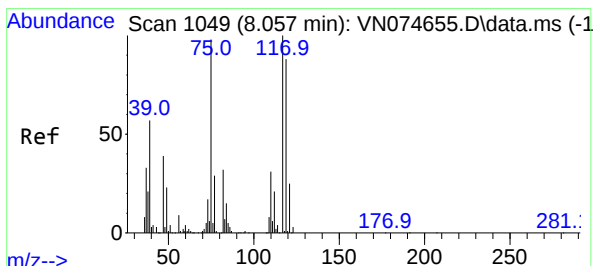
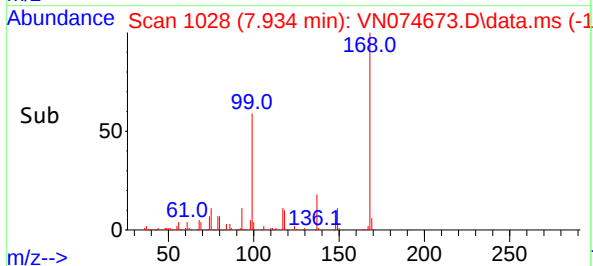
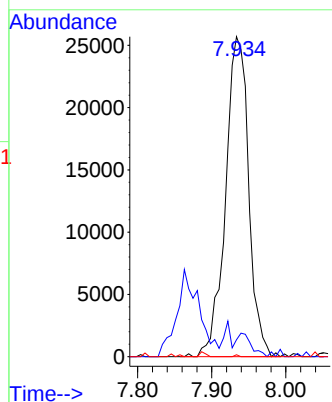
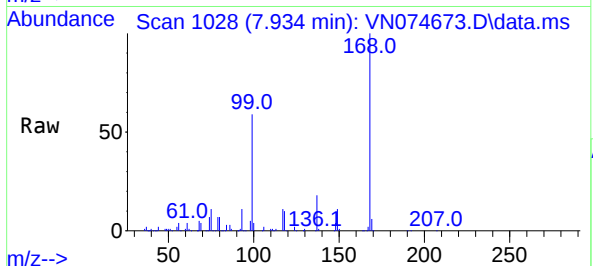




#36
1,1-Dichloropropene
Concen: 3.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

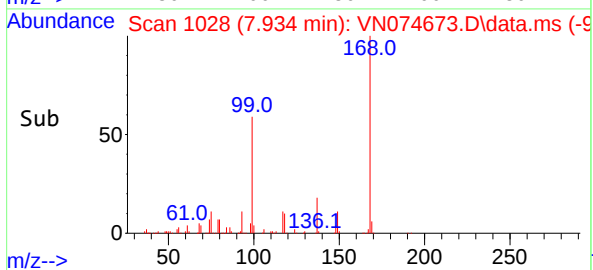
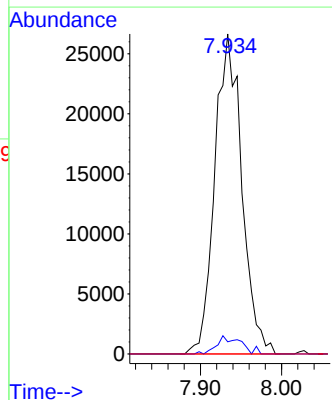
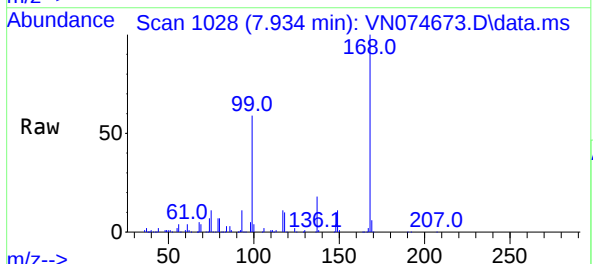
Instrument :
MSVOA_N
ClientSampleId :

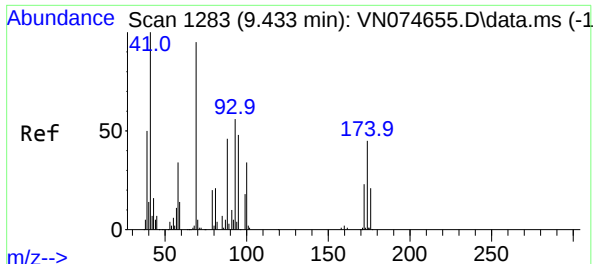
Tgt Ion: 75 Resp: 55658
Ion Ratio Lower Upper
75 100
110 3.9 18.3 54.8#
77 0.1 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.620 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

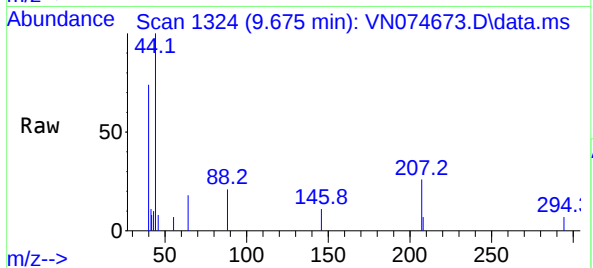
Tgt Ion: 117 Resp: 61530
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



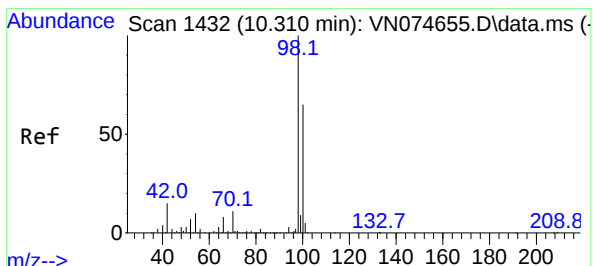
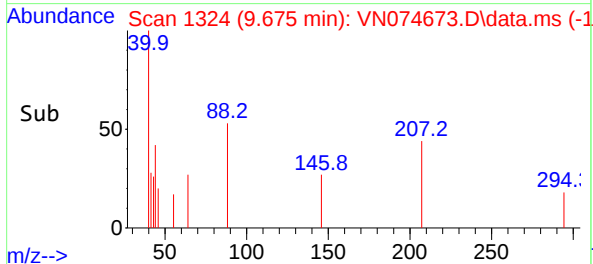
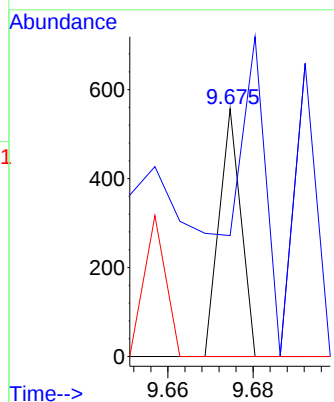


#49
1,4-Dioxane
Concen: 0.571 ug/l
RT: 9.675 min Scan# 11
Delta R.T. 0.242 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

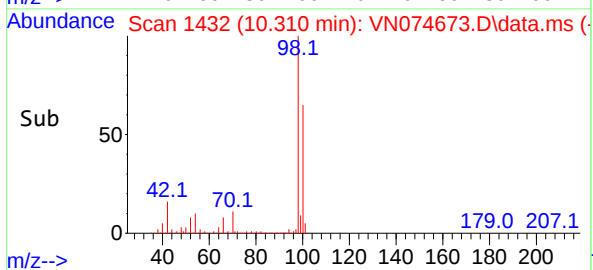
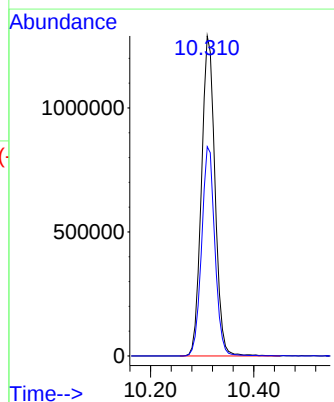
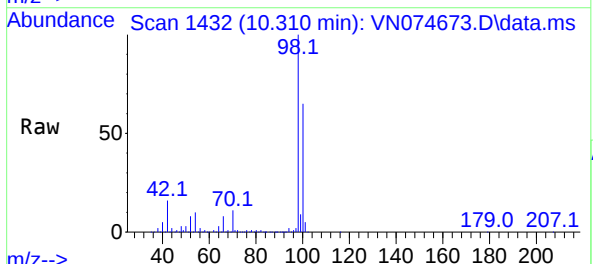


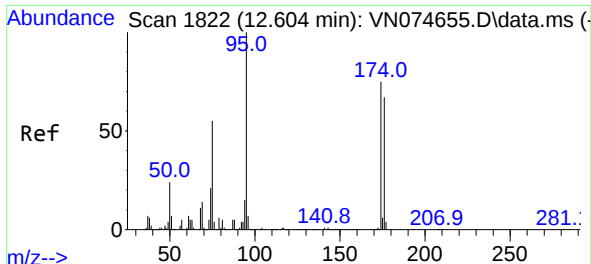
Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 128.9 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 48.098 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Tgt Ion: 98 Resp: 2343558
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8

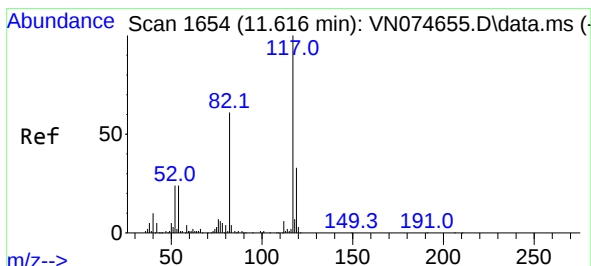
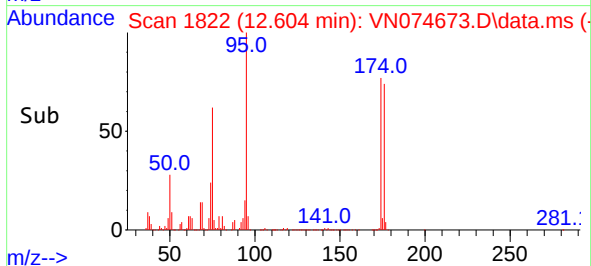
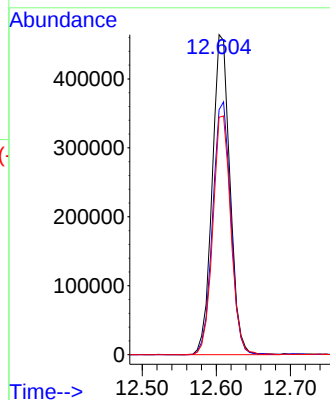
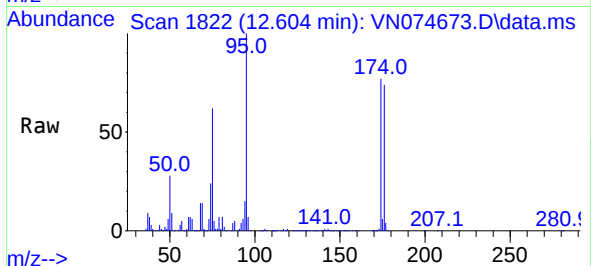




#62
4-Bromofluorobenzene
Concen: 49.969 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

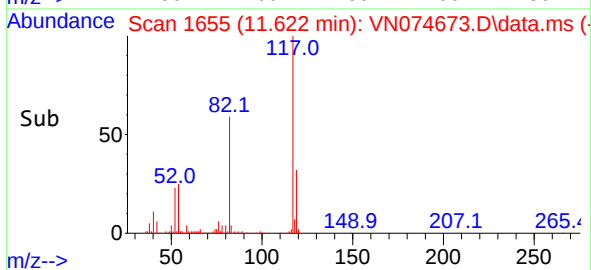
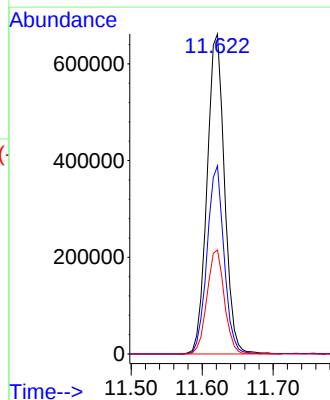
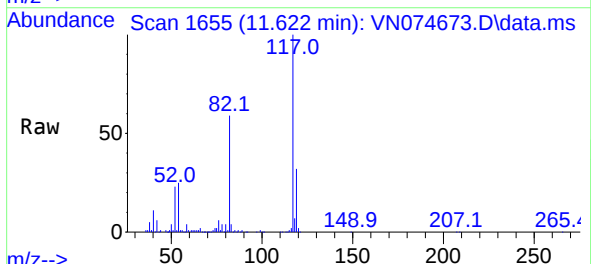
Instrument :
MSVOA_N
ClientSampleId :

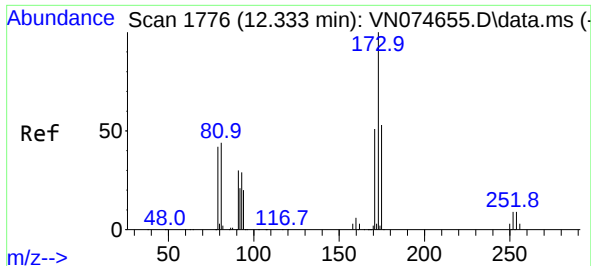
Tgt Ion: 95 Resp: 772027
Ion Ratio Lower Upper
95 100
174 80.6 0.0 167.6
176 75.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 1655
Delta R.T. 0.006 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Tgt Ion: 117 Resp: 1135386
Ion Ratio Lower Upper
117 100
82 58.8 44.2 66.2
119 32.5 25.4 38.0

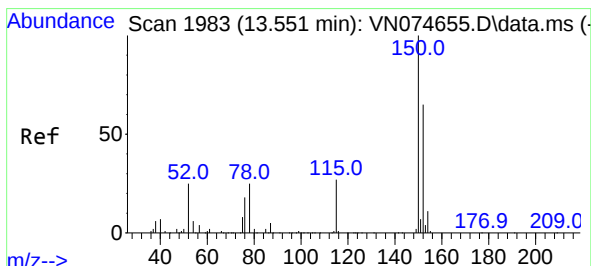
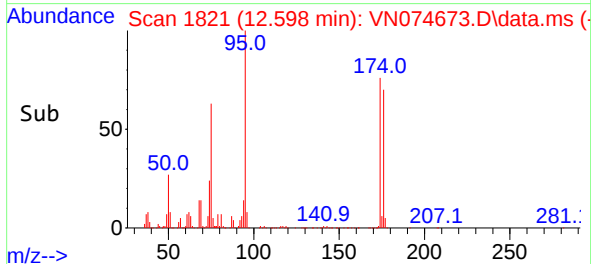
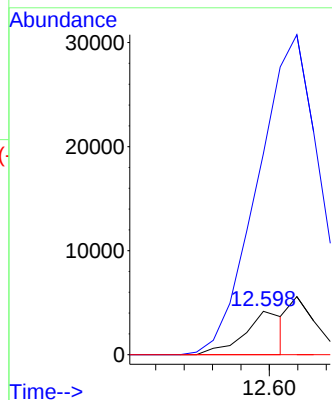
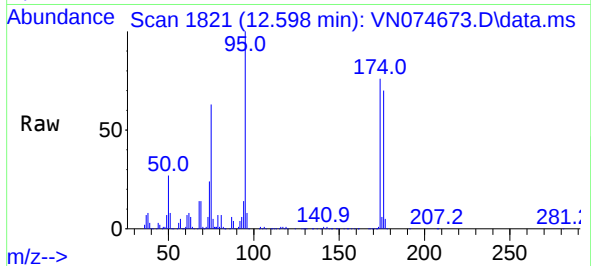




#71
Bromoform
Concen: 0.415 ug/l
RT: 12.598 min Scan# 1821
Delta R.T. 0.265 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

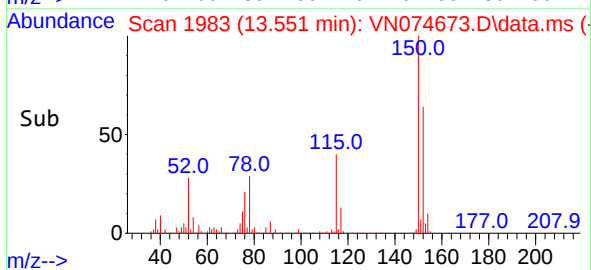
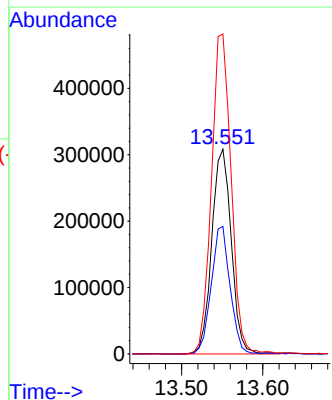
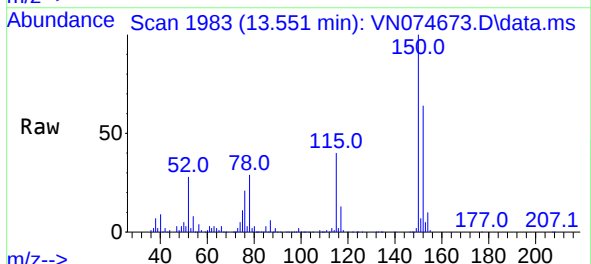
Instrument :
MSVOA_N
ClientSampleId :

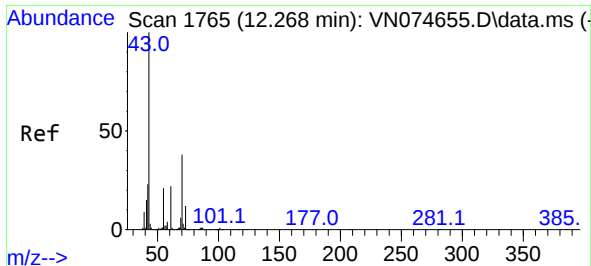
Tgt Ion:173 Resp: 4037
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

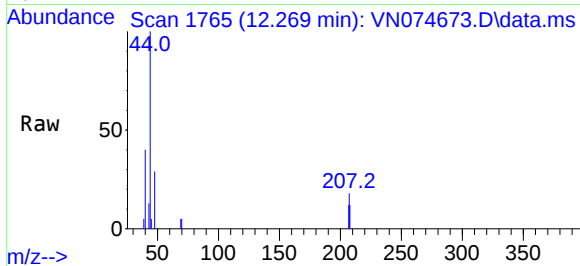
Tgt Ion:152 Resp: 514633
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.7
150 157.5 0.0 356.2





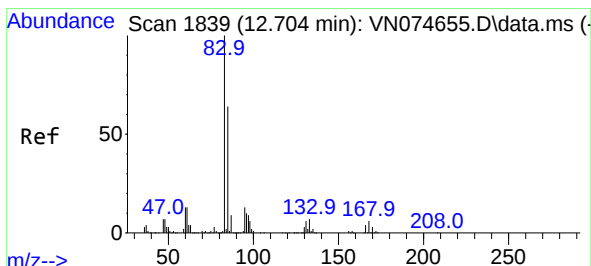
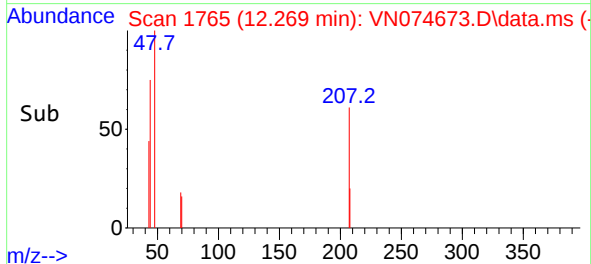
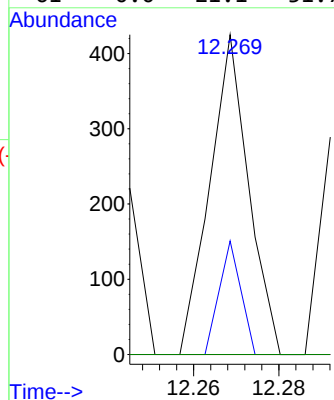
#74
N-amy1 acetate
Concen: Below Cal
RT: 12.269 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 269

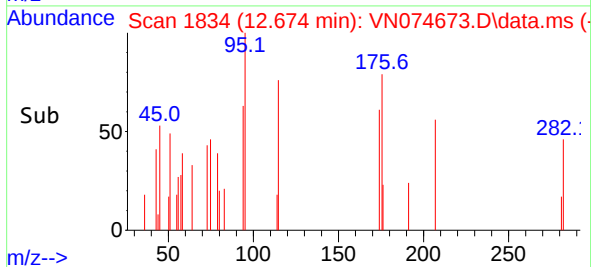
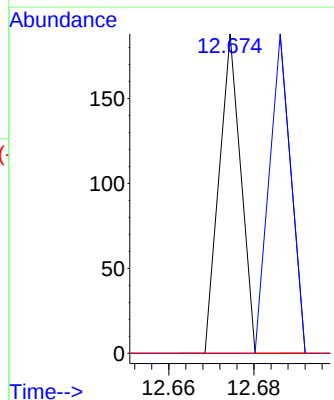
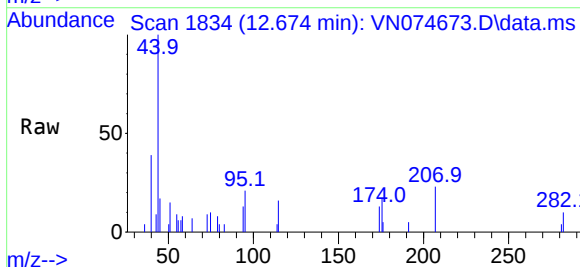
Ion	Ratio	Lower	Upper
43	100		
70	19.7	39.0	58.4#
55	0.0	21.1	31.7#
61	0.0	21.1	31.7#

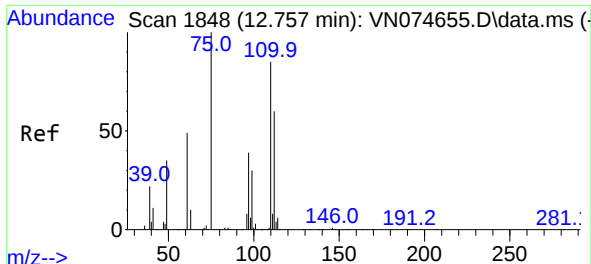


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.674 min Scan# 1834
Delta R.T. -0.030 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

Tgt Ion: 83 Resp: 66

Ion	Ratio	Lower	Upper
83	100		
131	100.0	5.3	15.9#
85	0.0	32.3	96.9#

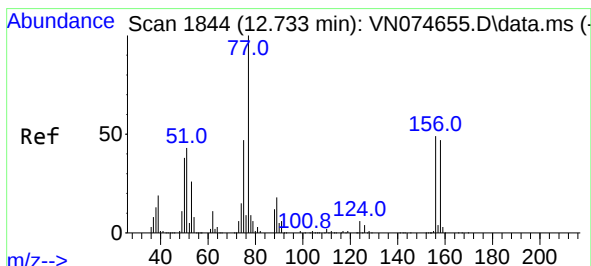
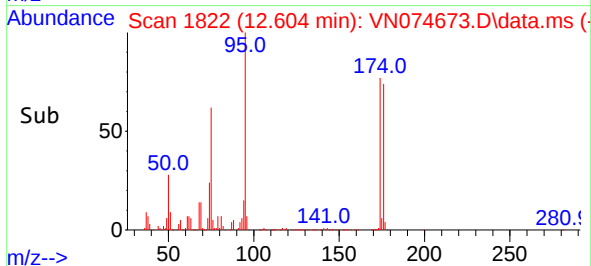
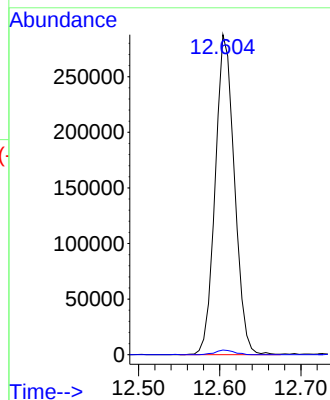
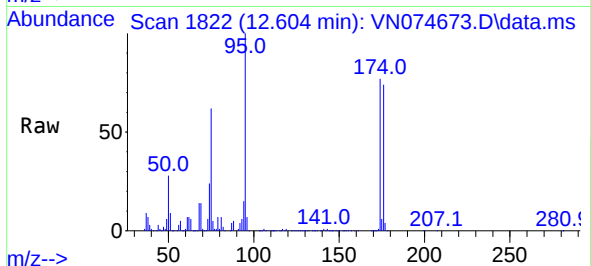




#76
1,2,3-Trichloropropane
Concen: 40.758 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

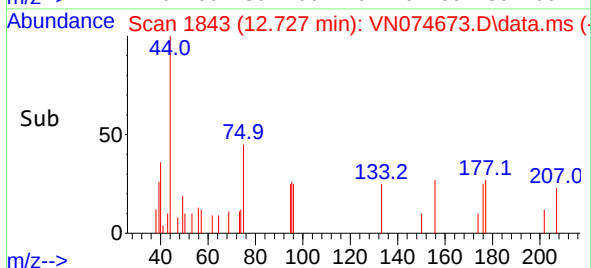
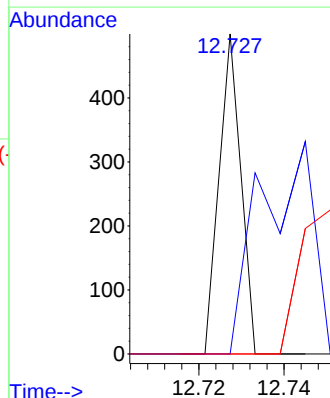
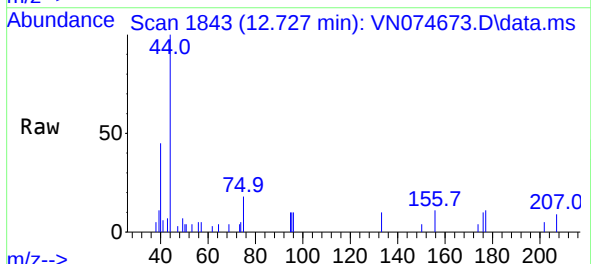
Instrument :
MSVOA_N
ClientSampleId :

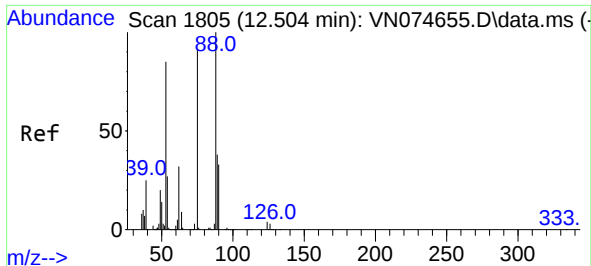
Tgt Ion: 75 Resp: 473797
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.727 min Scan# 1843
Delta R.T. -0.006 min
Lab File: VN074673.D
Acq: 30 Sep 2022 17:41

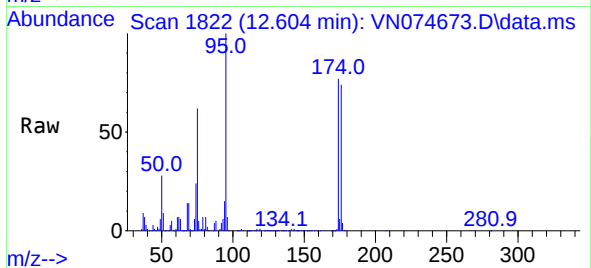
Tgt Ion:156 Resp: 176
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.936 ug/l
 RT: 12.604 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VN074673.D
 Acq: 30 Sep 2022 17:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 473797
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

