

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074668.D
 Acq On : 30 Sep 2022 15:40
 Operator : JC\MD
 Sample : N4913-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-092922

Quant Time: Oct 03 02:06:12 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)

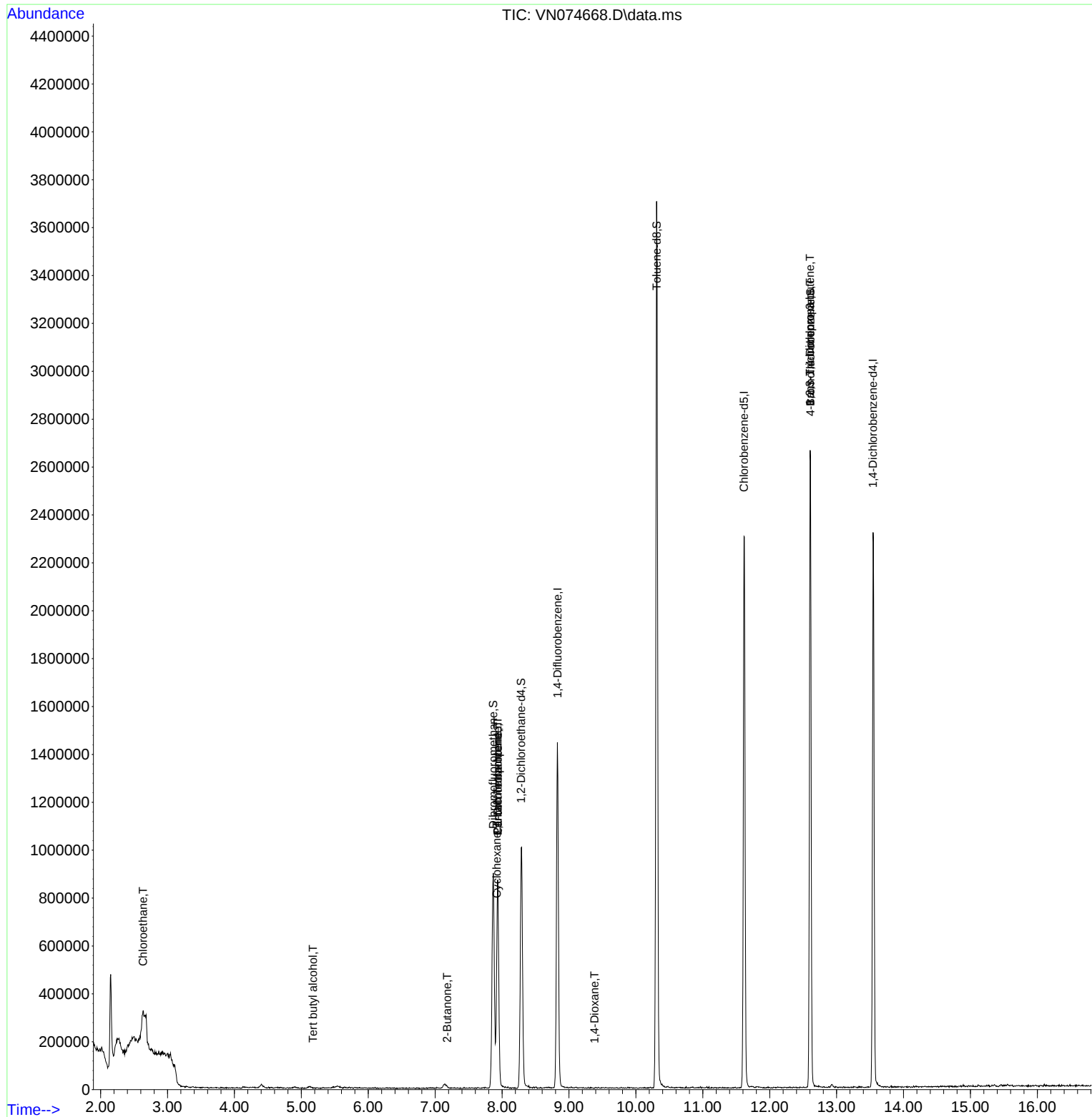
Internal Standards						
1) Pentafluorobenzene	7.933	168	615240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.827	114	1186785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	1237327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	580828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	772621	50.107	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.220%	
35) Dibromofluoromethane	7.869	113	629975	50.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.300%	
50) Toluene-d8	10.310	98	2419281	45.787	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.580%	
62) 4-Bromofluorobenzene	12.610	95	820345	48.963	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.634	64	41744	1.985	ug/l #	65
8) Diethyl Ether	3.563	74	304	Below Cal		73
11) Tert butyl alcohol	5.175	59	857	0.208	ug/l #	72
13) Acrolein	3.887	56	409	Below Cal	#	1
16) Acetone	4.128	43	7714	Below Cal	#	42
20) Methylene Chloride	4.898	84	1973	Below Cal	#	42
25) 2-Butanone	7.181	43	8724	0.615	ug/l #	77
31) Cyclohexane	7.922	56	20072	0.801	ug/l #	66
36) 1,1-Dichloropropene	7.933	75	55693	2.768	ug/l #	41
38) Carbon Tetrachloride	7.933	117	63521	3.447	ug/l #	17
49) 1,4-Dioxane	9.380	88	102	0.273	ug/l #	75
74) N-amyl acetate	12.257	43	917	Below Cal	#	56
75) 1,1,2,2-Tetrachloroethane	12.604	83	1551	Below Cal	#	12
76) 1,2,3-Trichloropropane	12.604	75	496187	37.612	ug/l #	1
77) Bromobenzene	12.610	156	304	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	496187	71.389	ug/l #	11

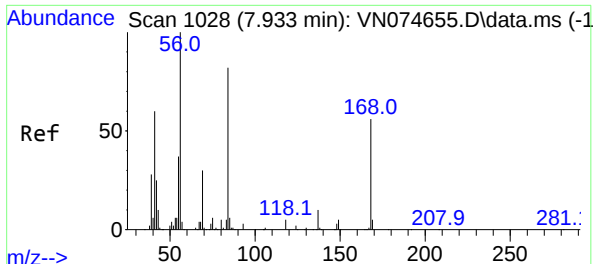
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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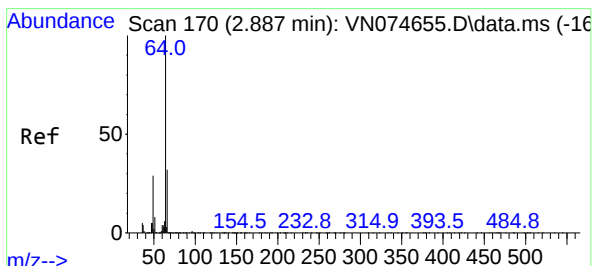
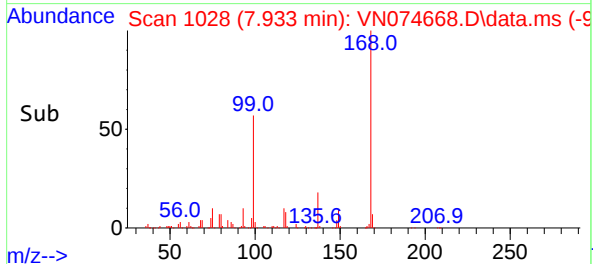
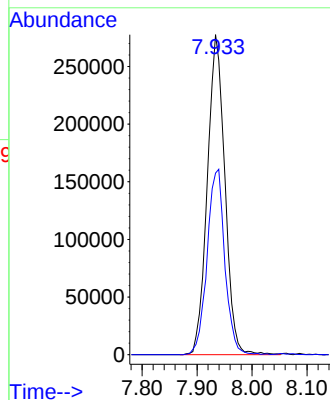
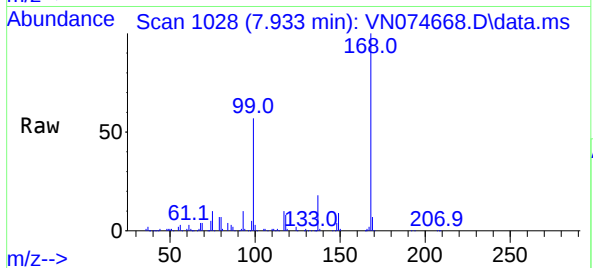




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

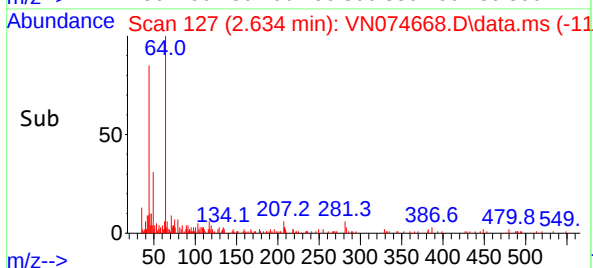
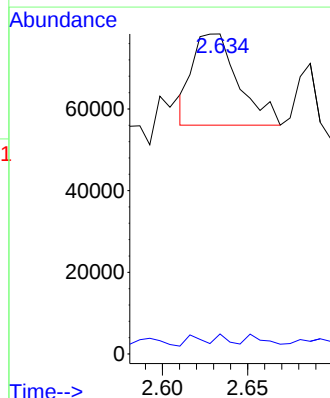
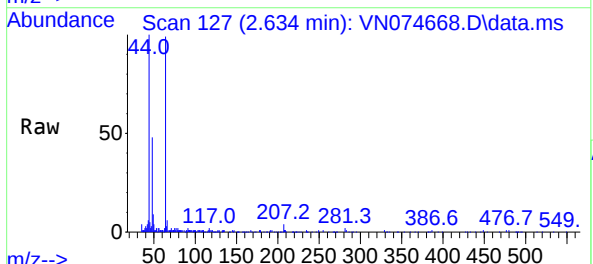
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

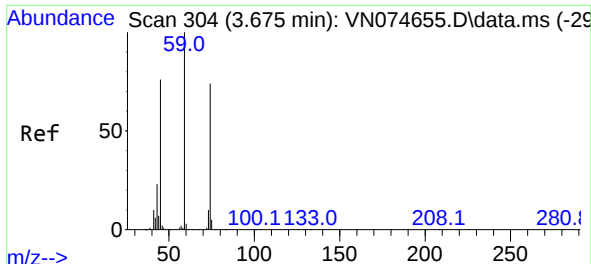
Tgt Ion:168 Resp: 615240
Ion Ratio Lower Upper
168 100
99 56.8 42.3 63.5



#6
Chloroethane
Concen: 1.985 ug/l
RT: 2.634 min Scan# 127
Delta R.T. -0.253 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 64 Resp: 41744
Ion Ratio Lower Upper
64 100
66 13.3 26.2 39.4#

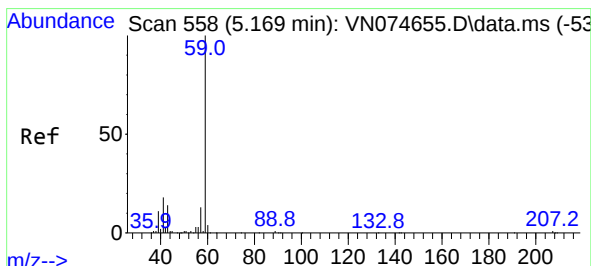
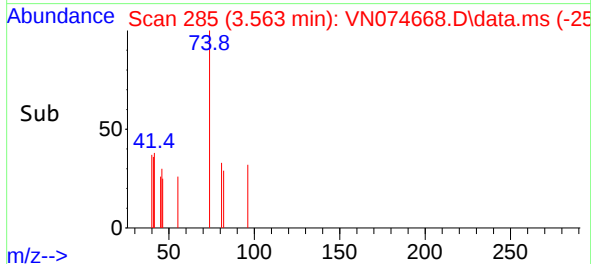
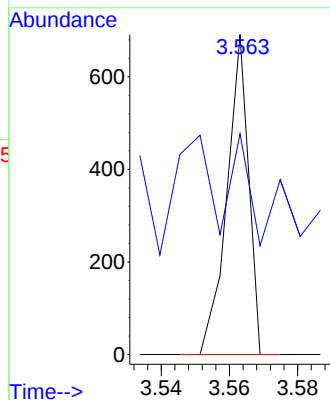
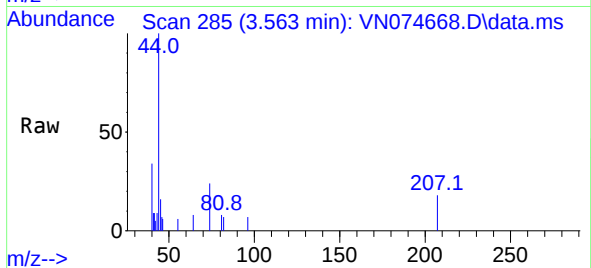




#8
Diethyl Ether
Concen: Below Cal
RT: 3.563 min Scan# 21
Delta R.T. -0.112 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

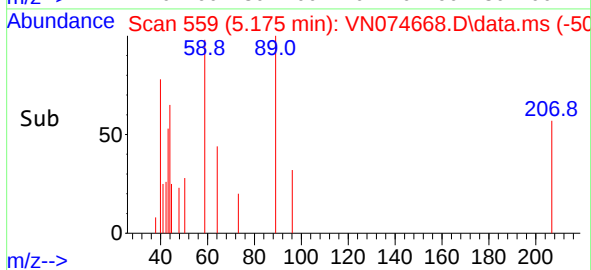
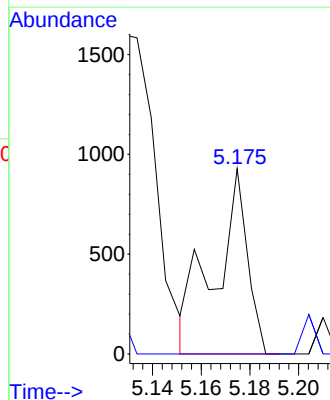
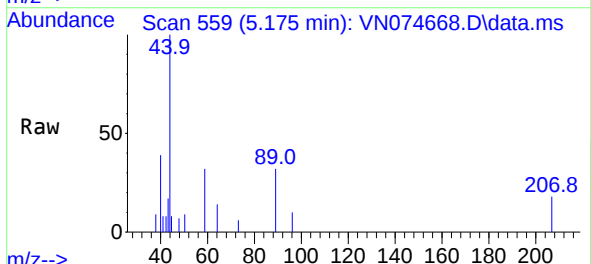
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

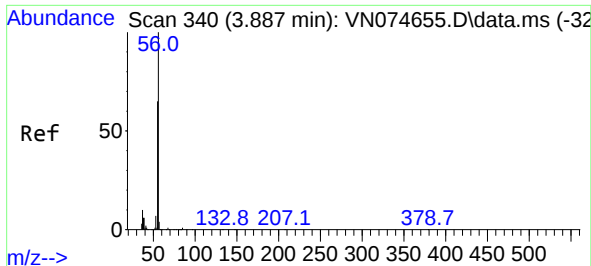
Tgt Ion: 74 Resp: 304
Ion Ratio Lower Upper
74 100
45 60.5 42.9 128.5



#11
Tert butyl alcohol
Concen: 0.208 ug/l
RT: 5.175 min Scan# 559
Delta R.T. 0.006 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 59 Resp: 857
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 3.887 min Scan# 34

Delta R.T. -0.000 min

Lab File: VN074668.D

Acq: 30 Sep 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

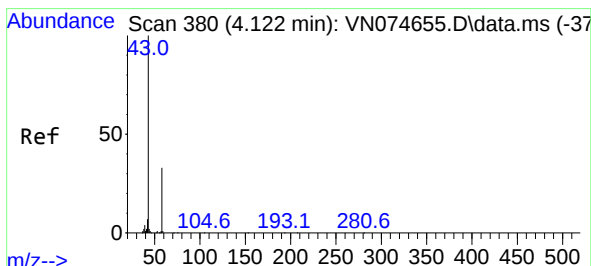
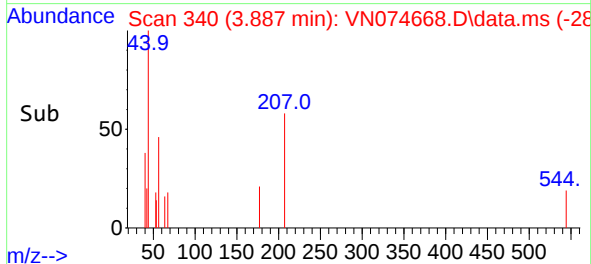
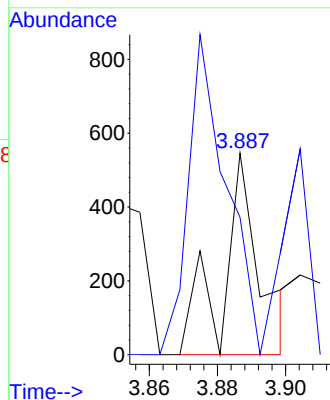
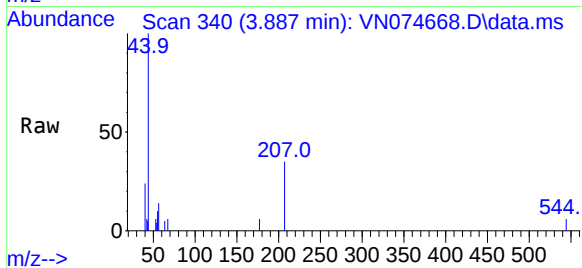
TB-01-092922

Tgt Ion: 56 Resp: 409

Ion Ratio Lower Upper

56 100

55 165.0 54.8 82.2#



#16

Acetone

Concen: Below Cal

RT: 4.128 min Scan# 381

Delta R.T. 0.006 min

Lab File: VN074668.D

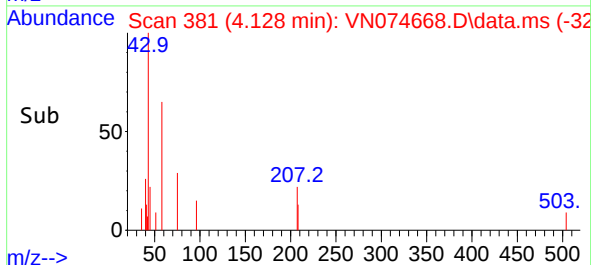
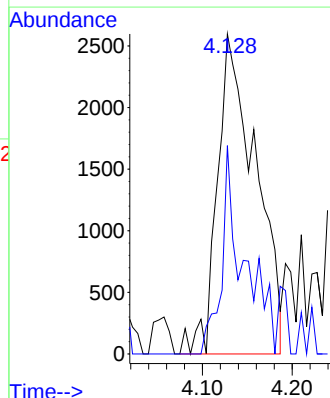
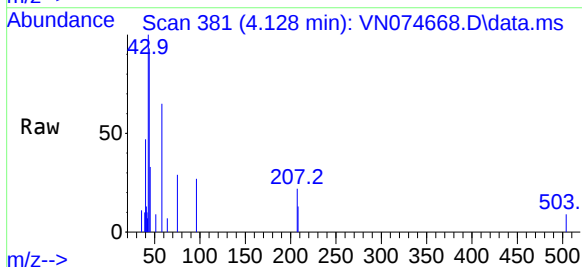
Acq: 30 Sep 2022 15:40

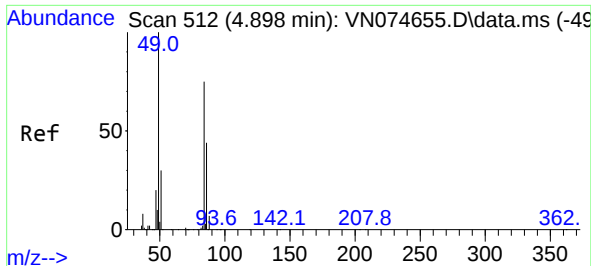
Tgt Ion: 43 Resp: 7714

Ion Ratio Lower Upper

43 100

58 65.1 26.0 39.0#

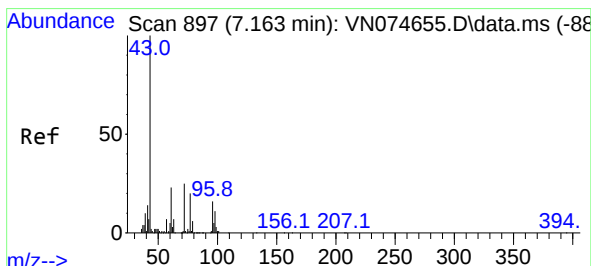
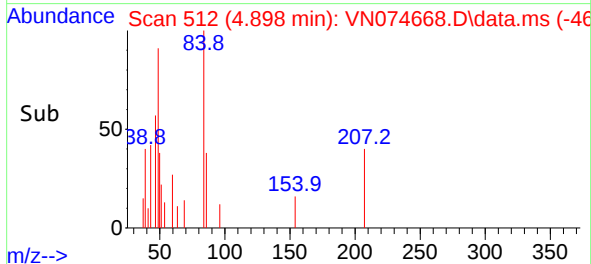
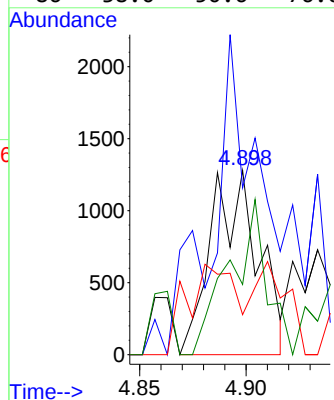
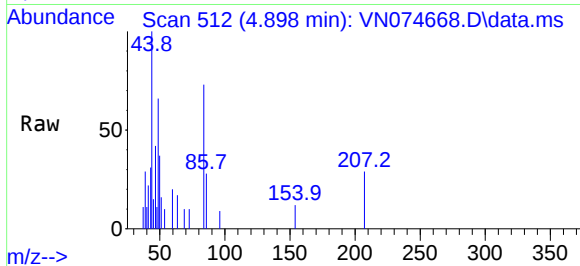




#20
Methylene Chloride
Concen: Below Cal
RT: 4.898 min Scan# 512
Delta R.T. 0.000 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

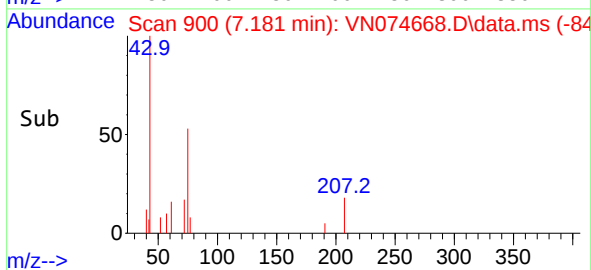
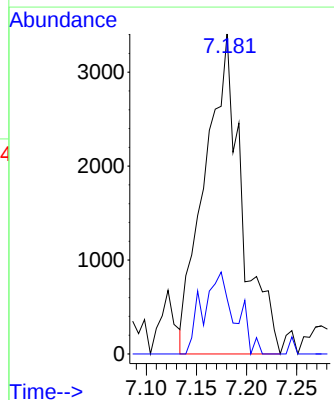
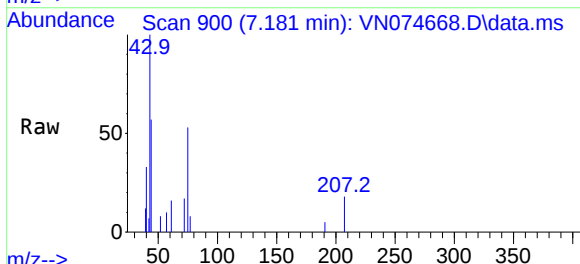
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

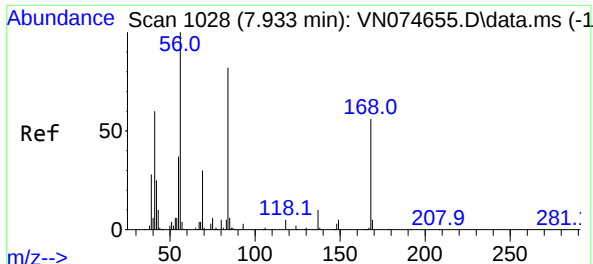
Tgt Ion: 84 Resp: 1973
Ion Ratio Lower Upper
84 100
49 34.5 88.3 132.5#
51 0.0 28.2 42.2#
86 38.0 50.6 76.0#



#25
2-Butanone
Concen: 0.615 ug/l
RT: 7.181 min Scan# 900
Delta R.T. 0.018 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 43 Resp: 8724
Ion Ratio Lower Upper
43 100
72 17.3 23.7 35.5#

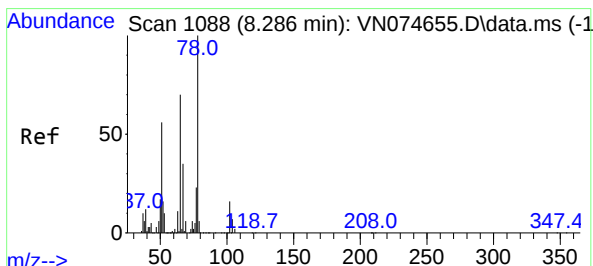
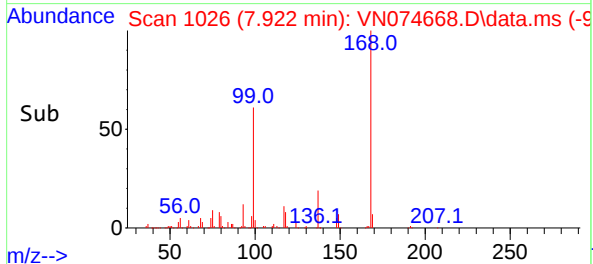
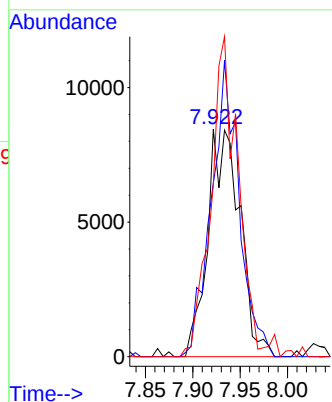
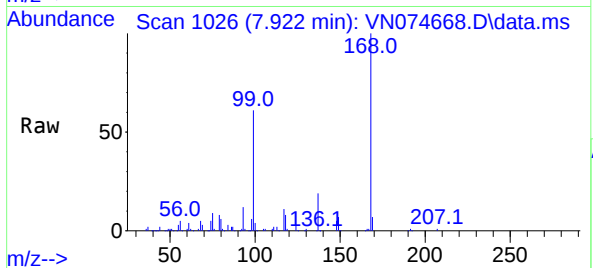




#31
Cyclohexane
Concen: 0.801 ug/l
RT: 7.922 min Scan# 1026
Delta R.T. -0.011 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

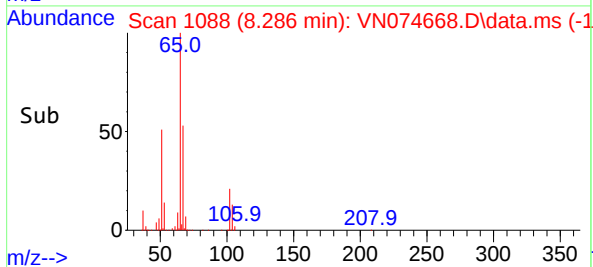
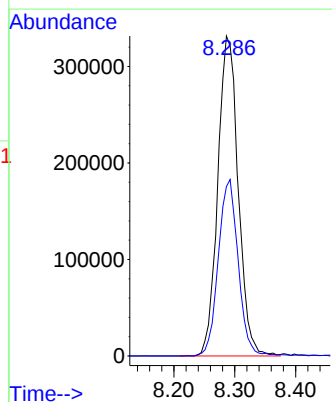
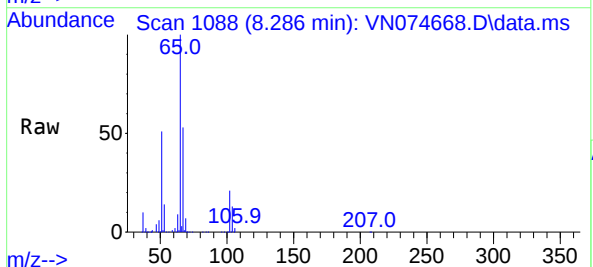
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

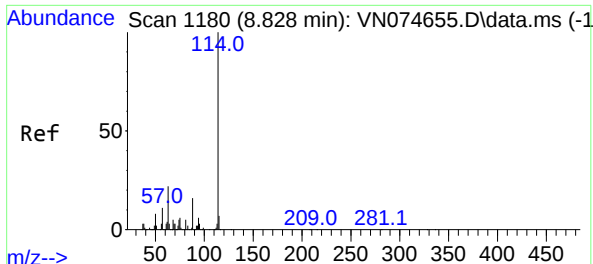
Tgt Ion: 56 Resp: 20072
Ion Ratio Lower Upper
56 100
69 76.3 27.8 41.8#
84 75.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.107 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 65 Resp: 772621
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.827 min Scan# 1180

Delta R.T. -0.001 min

Lab File: VN074668.D

Acq: 30 Sep 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

TB-01-092922

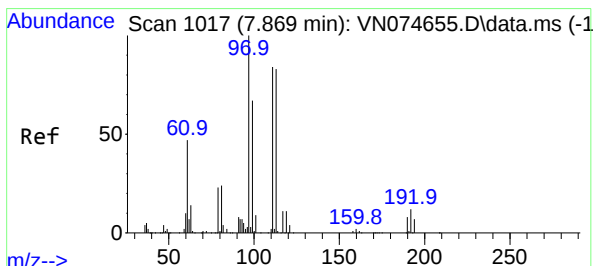
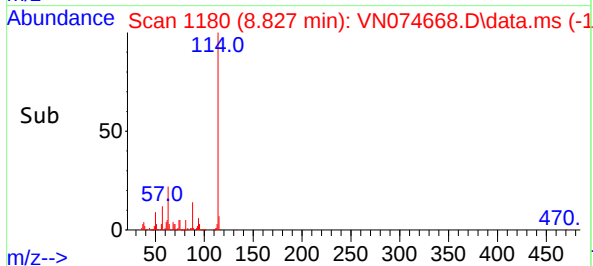
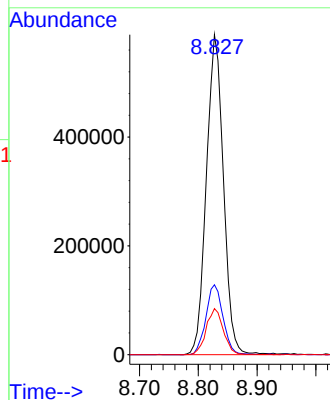
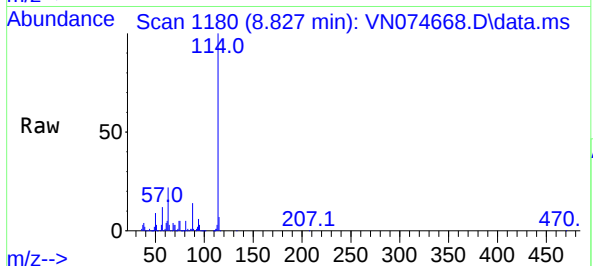
Tgt Ion:114 Resp: 1186785

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 14.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.151 ug/l

RT: 7.869 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VN074668.D

Acq: 30 Sep 2022 15:40

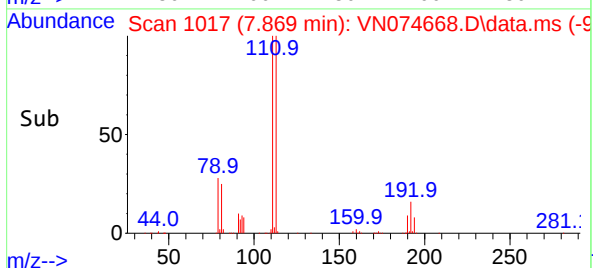
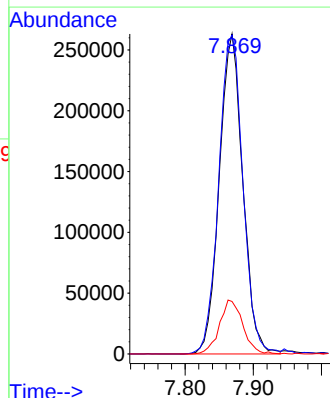
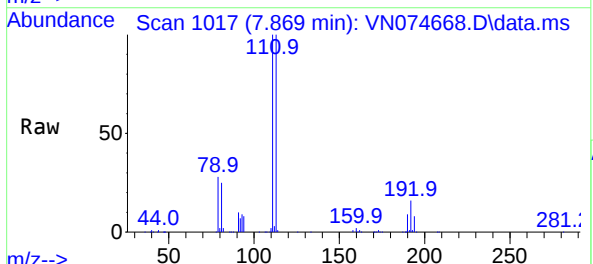
Tgt Ion:113 Resp: 629975

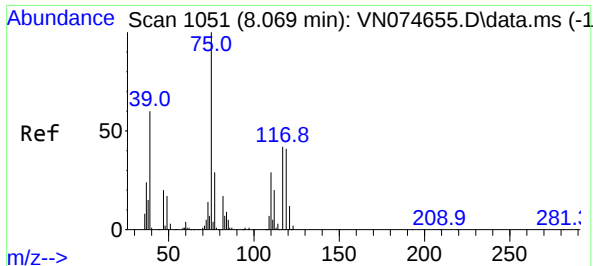
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 16.8 17.0 25.6#

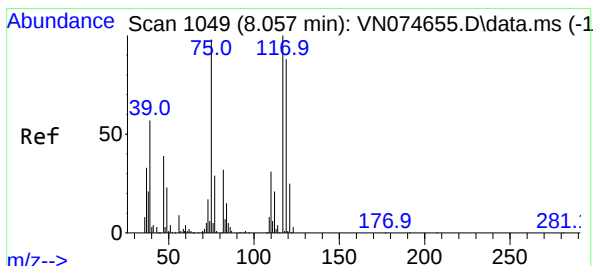
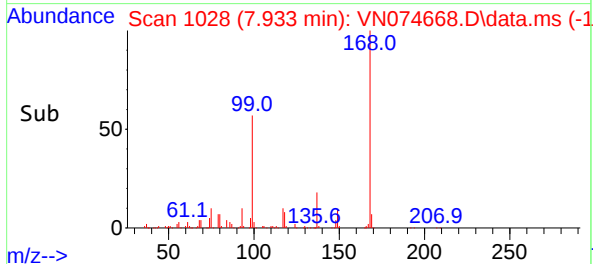
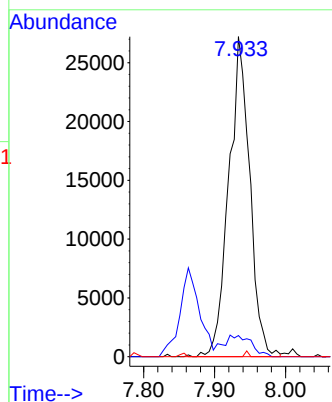
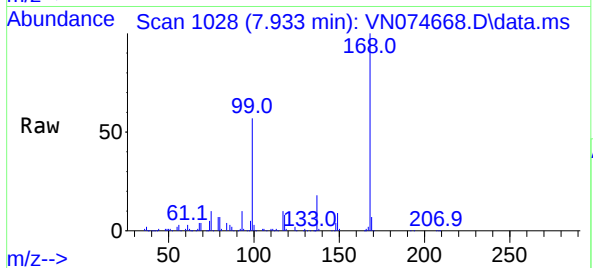




#36
1,1-Dichloropropene
Concen: 2.768 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

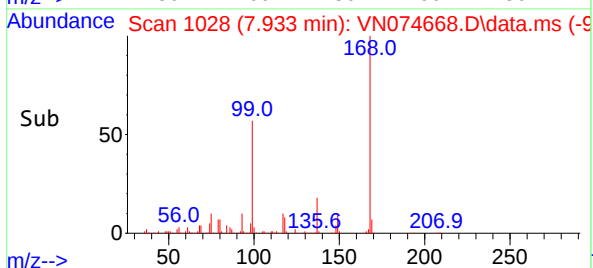
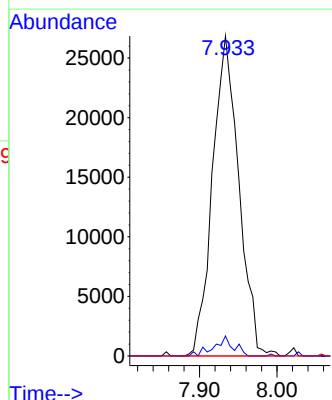
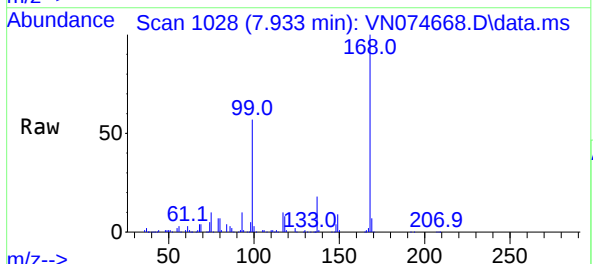
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TB-01-092922

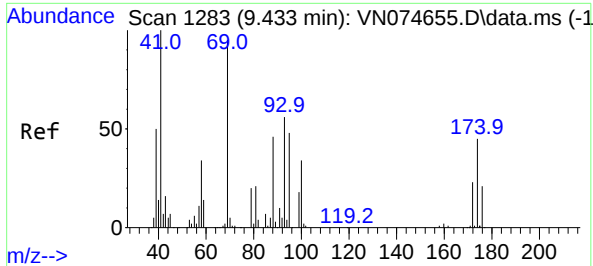
Tgt Ion: 75 Resp: 55693
Ion Ratio Lower Upper
75 100
110 0.0 18.3 54.8#
77 0.3 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.447 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 117 Resp: 63521
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#

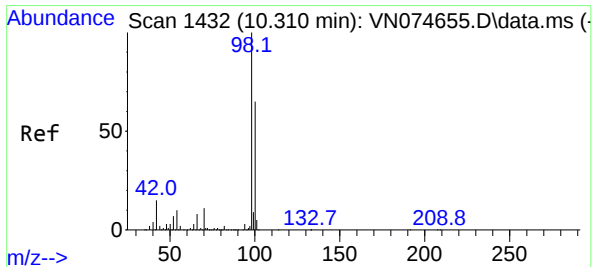
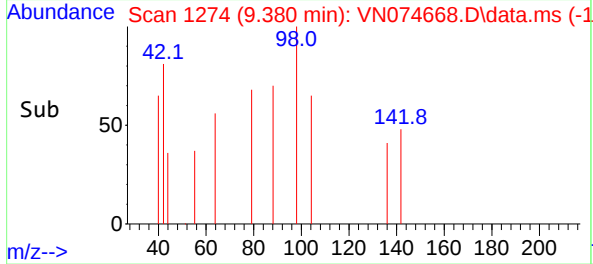
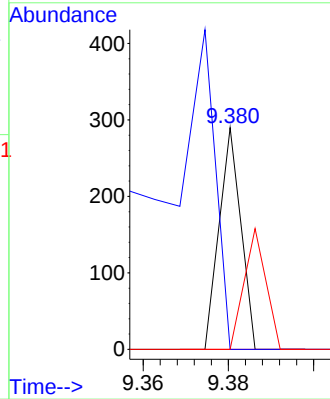
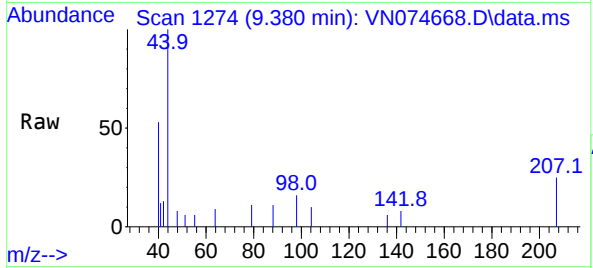




#49
1,4-Dioxane
Concen: 0.273 ug/l
RT: 9.380 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

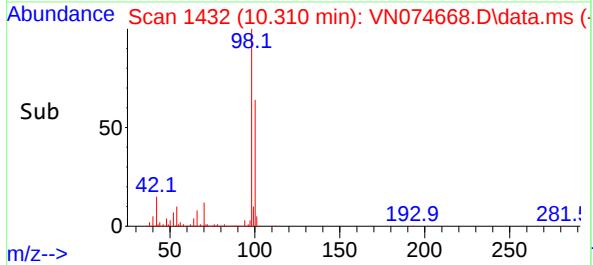
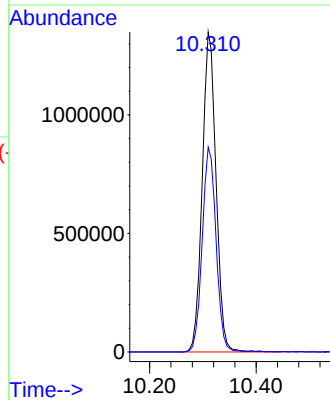
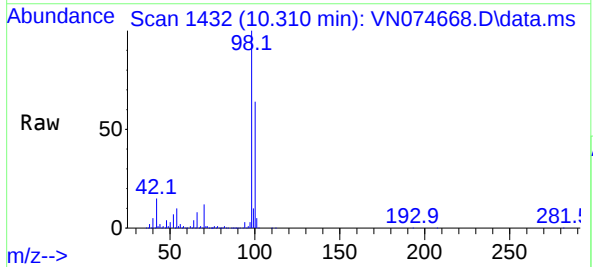
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

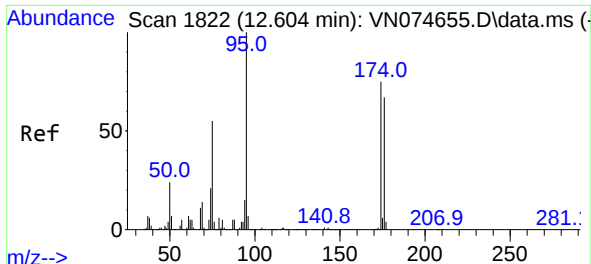
Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 54.9 54.2 81.4



#50
Toluene-d8
Concen: 45.787 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 98 Resp: 2419281
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

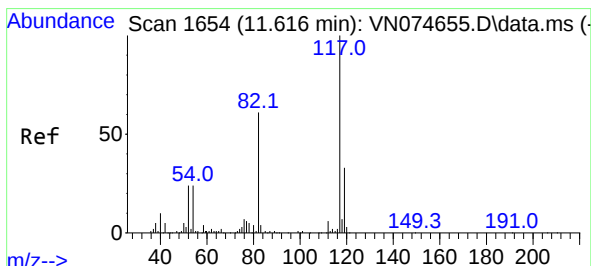
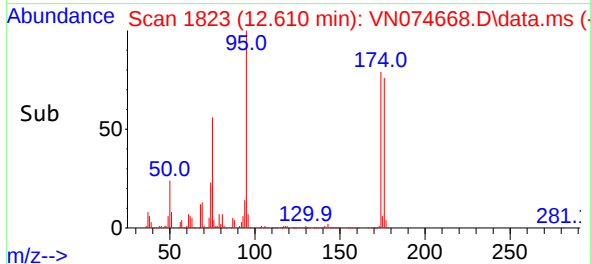
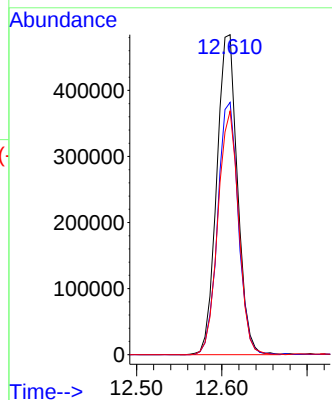
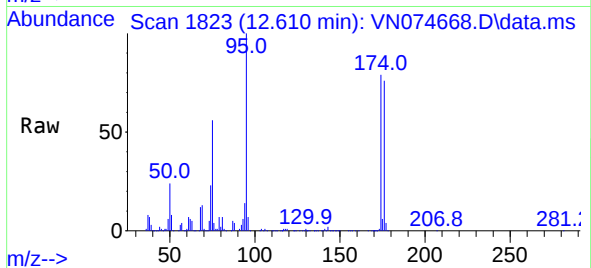




#62
4-Bromofluorobenzene
Concen: 48.963 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

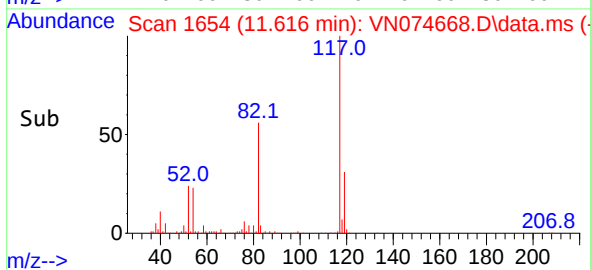
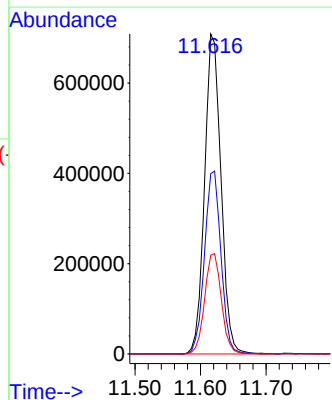
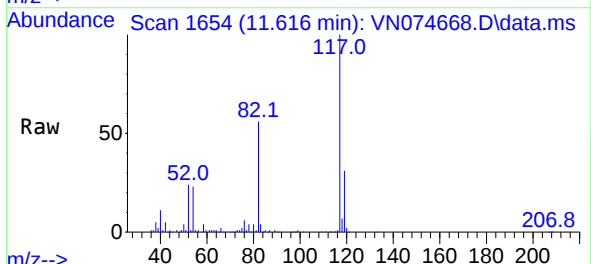
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

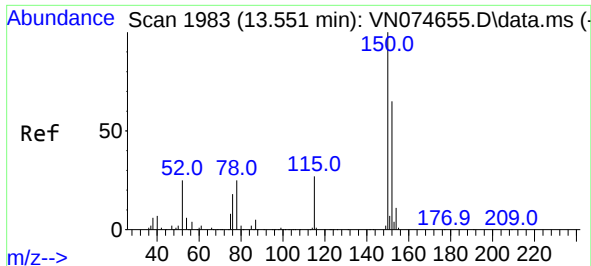
Tgt Ion: 95 Resp: 820345
Ion Ratio Lower Upper
95 100
174 78.4 0.0 167.6
176 75.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 117 Resp: 1237327
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 30.8 25.4 38.0

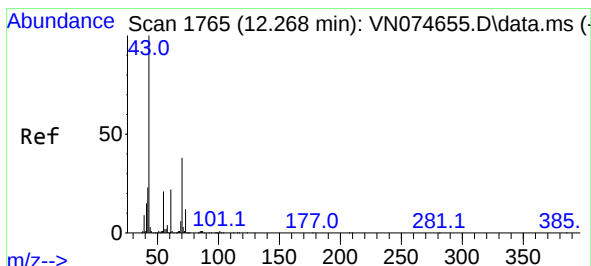
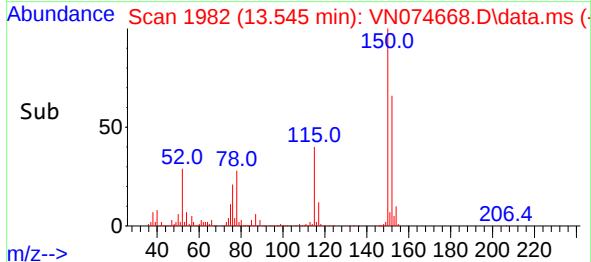
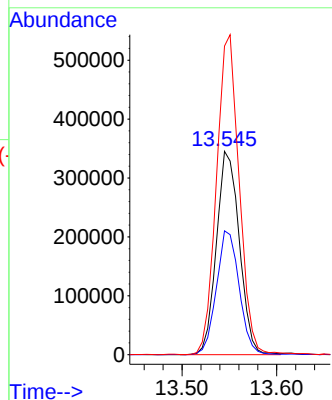
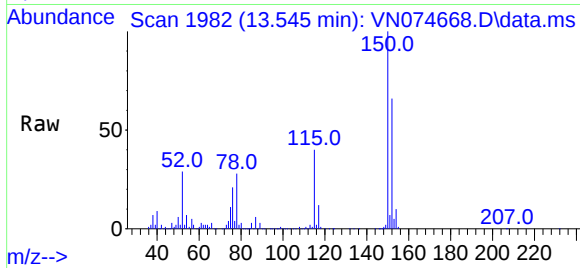




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.545 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

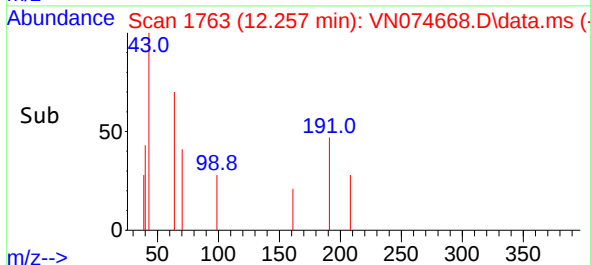
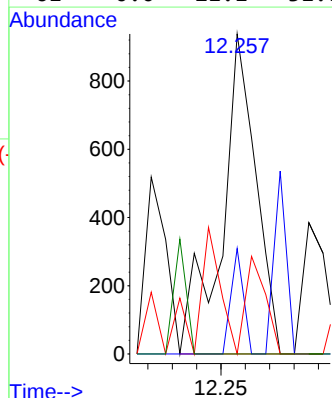
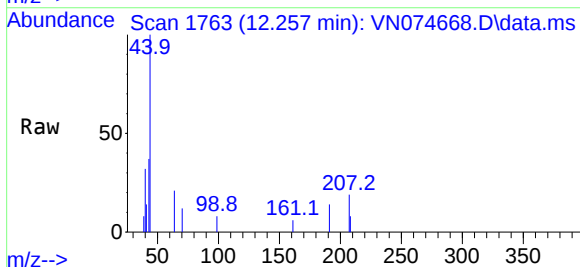
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

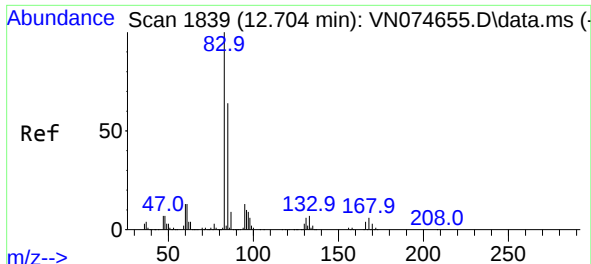
Tgt Ion:152 Resp: 580828
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.7
150 155.9 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.257 min Scan# 1763
Delta R.T. -0.011 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
70 11.9 39.0 58.4#
55 17.7 21.1 31.7#
61 0.0 21.1 31.7#

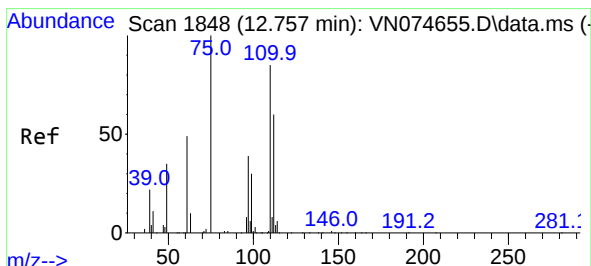
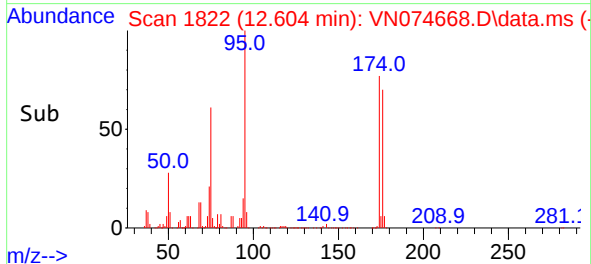
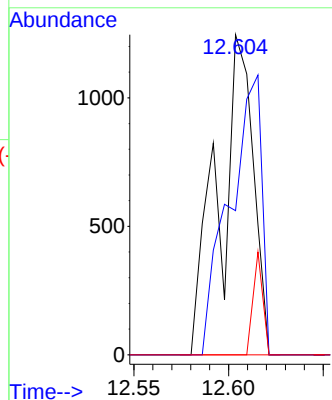
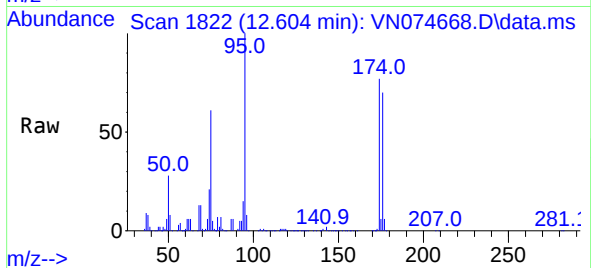




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.604 min Scan# 1822
Delta R.T. -0.100 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

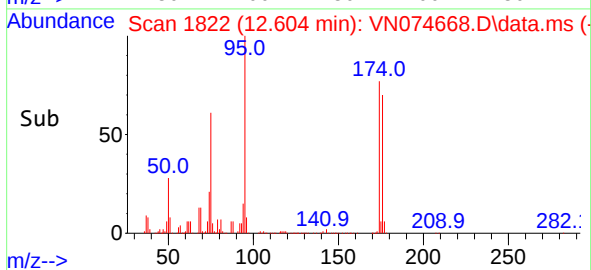
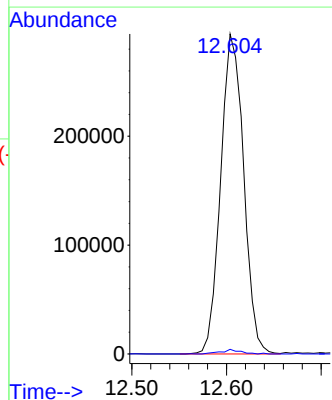
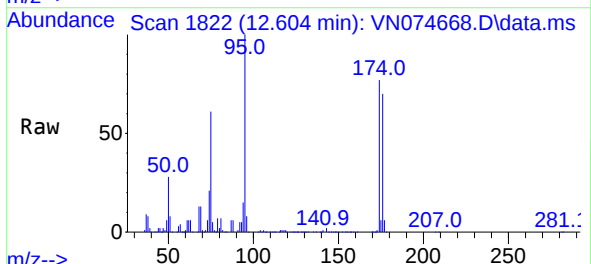
Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

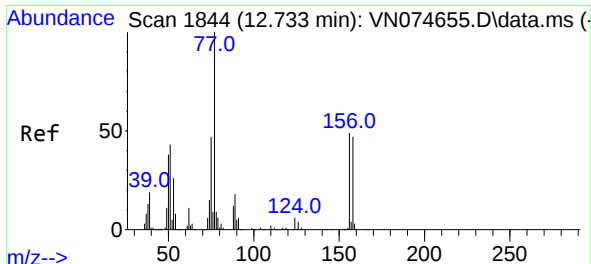
Tgt Ion: 83 Resp: 1551
Ion Ratio Lower Upper
83 100
131 82.8 5.3 15.9#
85 9.1 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 37.612 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 75 Resp: 496187
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

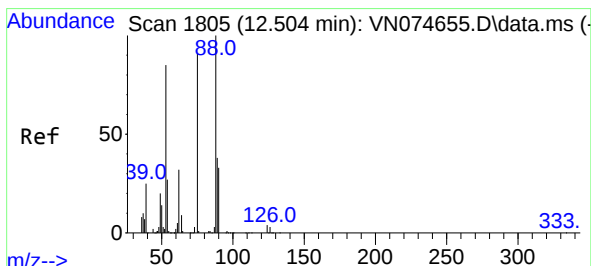
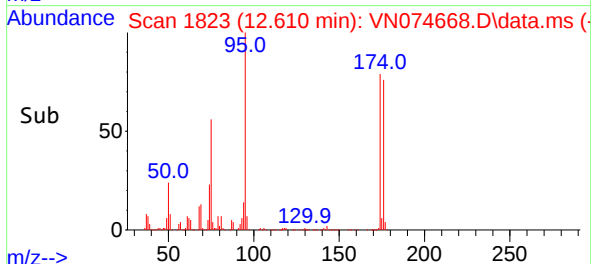
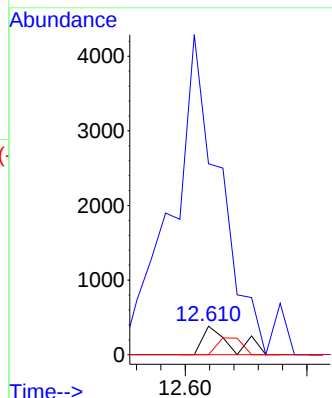
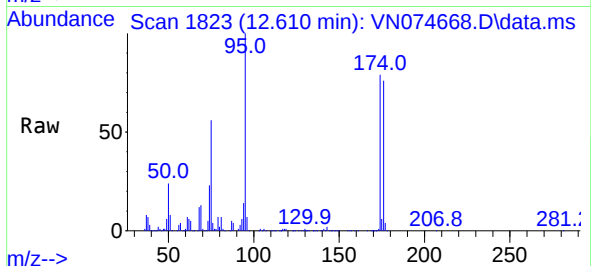




#77
Bromobenzene
Concen: Below Cal
RT: 12.610 min Scan# 1823
Delta R.T. -0.123 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Instrument :
MSVOA_N
ClientSampleId :
TB-01-092922

Tgt Ion:156 Resp: 304
Ion Ratio Lower Upper
156 100
77 2030.6 100.5 301.5#
158 51.6 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 71.389 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074668.D
Acq: 30 Sep 2022 15:40

Tgt Ion: 75 Resp: 496187
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

