

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074678.D
 Acq On : 30 Sep 2022 19:42
 Operator : JC\MD
 Sample : N4860-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:08:28 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)

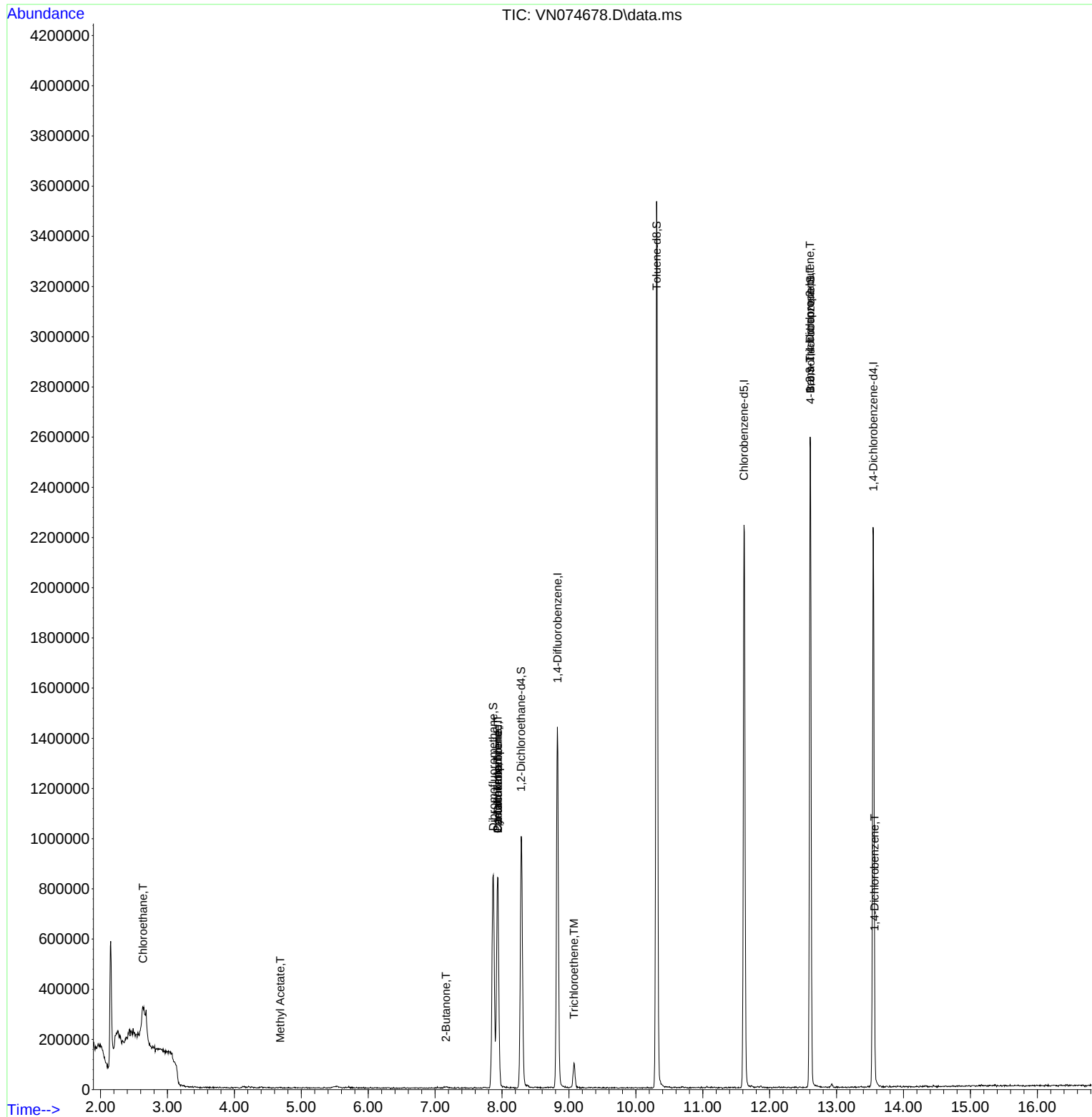
Internal Standards						
1) Pentafluorobenzene	7.940	168	605353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1182379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	1199600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	548903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	738925	48.705	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.400%		
35) Dibromofluoromethane	7.869	113	605957	48.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.840%		
50) Toluene-d8	10.310	98	2344264	44.532	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.060%		
62) 4-Bromofluorobenzene	12.610	95	770642	46.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.340%		
Target Compounds			Qvalue			
6) Chloroethane	2.634	64	36936	1.785 ug/l #	54	
8) Diethyl Ether	3.752	74	58	Below Cal #	7	
13) Acrolein	3.899	56	97	Below Cal #	42	
16) Acetone	4.146	43	6116	Below Cal #	84	
18) Methyl Acetate	4.687	43	5813	0.207 ug/l #	54	
20) Methylene Chloride	4.910	84	165	Below Cal #	9	
25) 2-Butanone	7.163	43	3663	0.262 ug/l #	73	
31) Cyclohexane	7.934	56	17998	0.730 ug/l #	33	
36) 1,1-Dichloropropene	7.940	75	60833	3.035 ug/l #	48	
38) Carbon Tetrachloride	7.934	117	66936	3.645 ug/l #	16	
44) Trichloroethene	9.075	130	32394	2.517 ug/l	90	
74) N-amyl acetate	12.263	43	304	Below Cal #	27	
75) 1,1,2,2-Tetrachloroethane	12.763	83	130	Below Cal #	25	
76) 1,2,3-Trichloropropane	12.604	75	465806	37.344 ug/l #	1	
77) Bromobenzene	12.622	156	358	Below Cal #	1	
81) trans-1,4-Dichloro-2-b...	12.604	75	465806	70.916 ug/l #	10	
88) 1,4-Dichlorobenzene	13.569	146	4956	0.243 ug/l #	1	

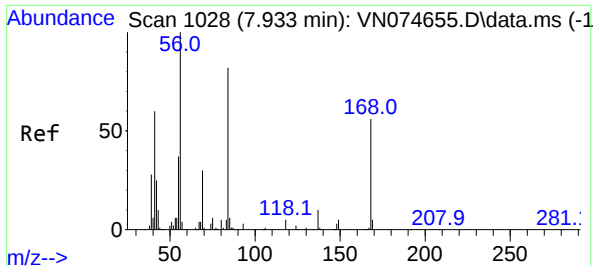
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:08:28 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

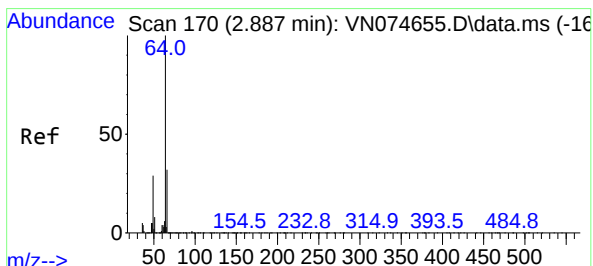
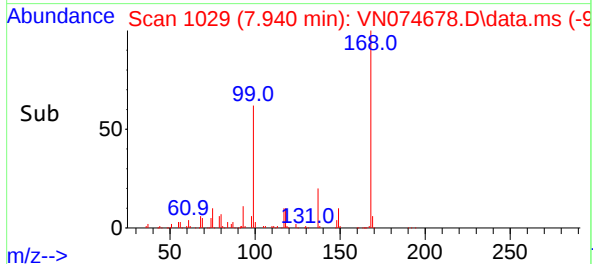
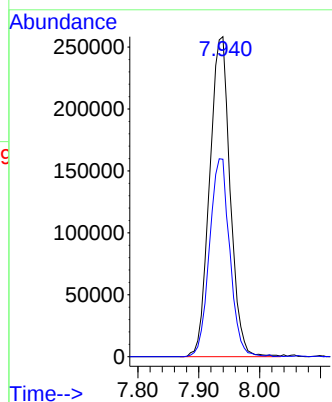
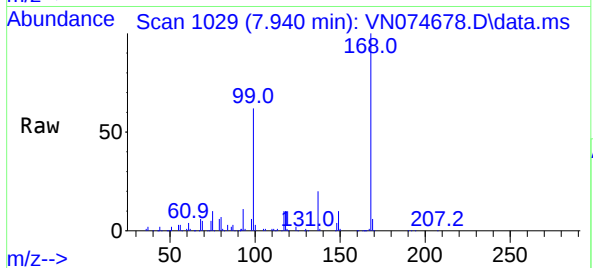




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.940 min Scan# 11
Delta R.T. 0.007 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

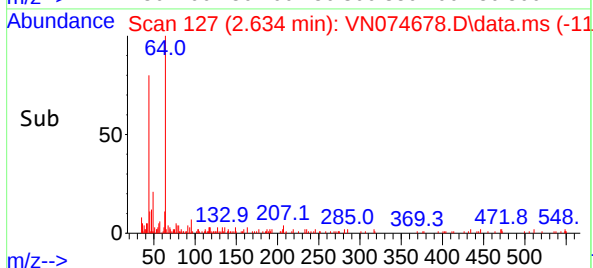
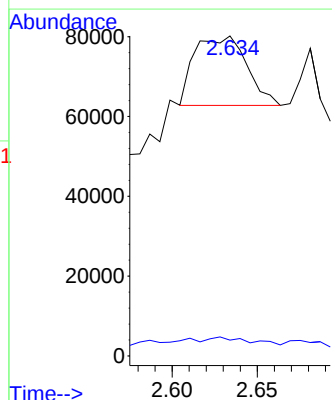
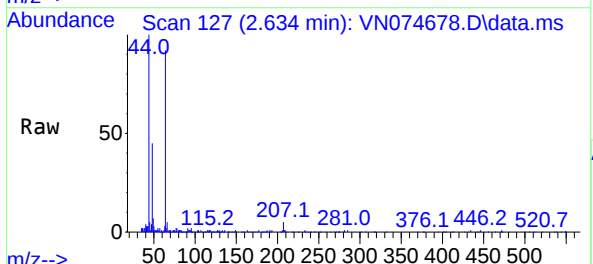
Instrument :
MSVOA_N
ClientSampleId :

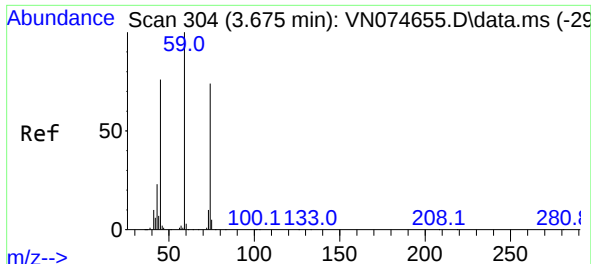
Tgt Ion:168 Resp: 605353
Ion Ratio Lower Upper
168 100
99 61.7 42.3 63.5



#6
Chloroethane
Concen: 1.785 ug/l
RT: 2.634 min Scan# 127
Delta R.T. -0.253 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Tgt Ion: 64 Resp: 36936
Ion Ratio Lower Upper
64 100
66 7.0 26.2 39.4#

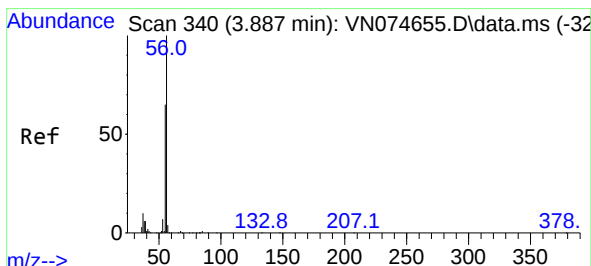
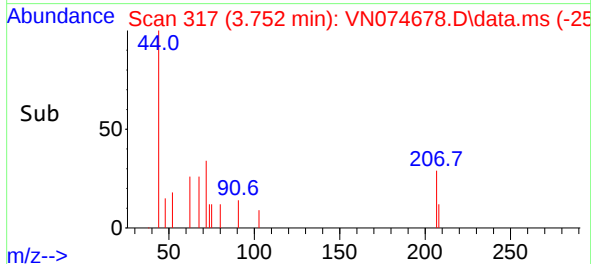
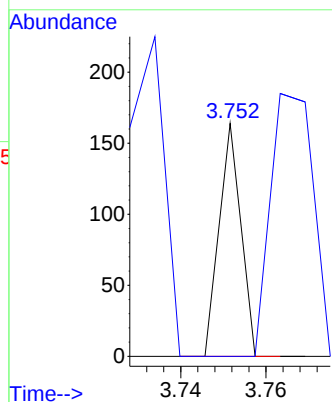
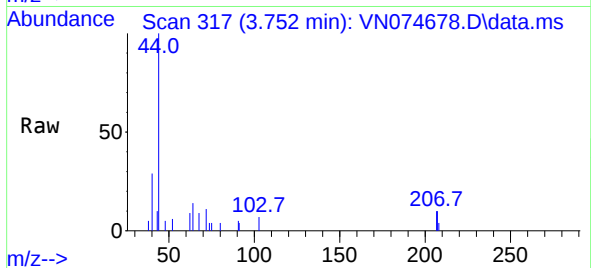




#8
Diethyl Ether
Concen: Below Cal
RT: 3.752 min Scan# 317
Delta R.T. 0.077 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

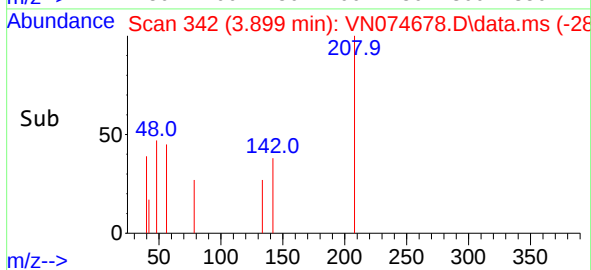
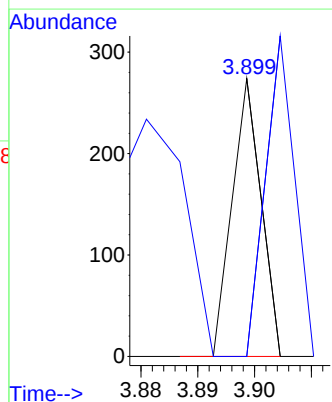
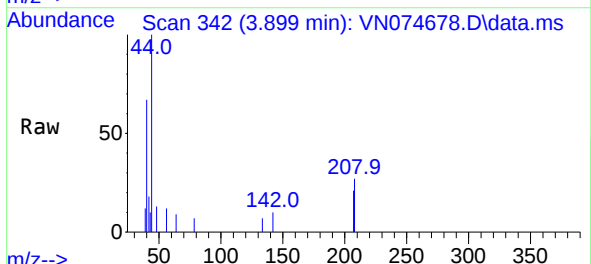
Instrument :
MSVOA_N
ClientSampleId :

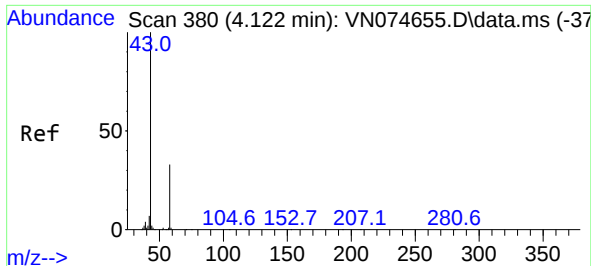
Tgt Ion: 74 Resp: 58
Ion Ratio Lower Upper
74 100
45 0.0 42.9 128.5#



#13
Acrolein
Concen: Below Cal
RT: 3.899 min Scan# 342
Delta R.T. 0.012 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 115.5 54.8 82.2#

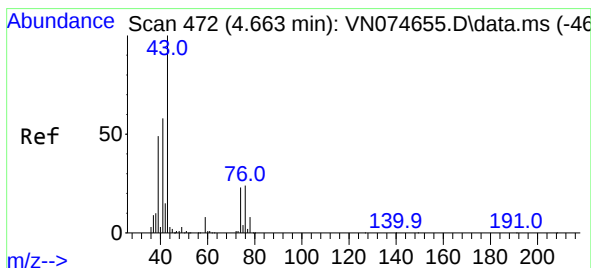
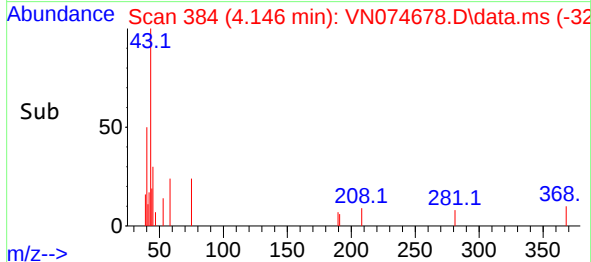
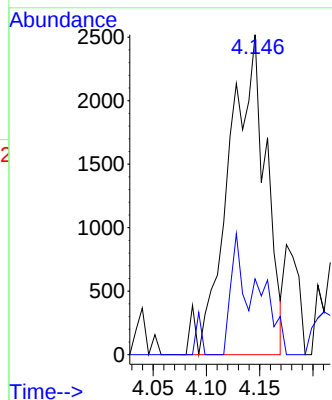
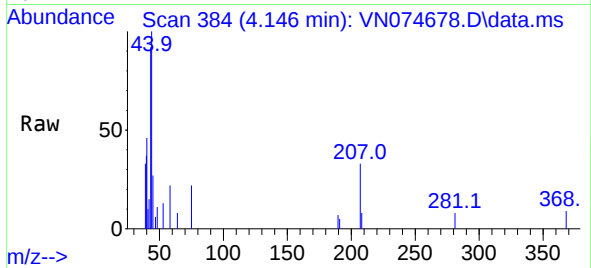




#16
Acetone
Concen: Below Cal
RT: 4.146 min Scan# 384
Delta R.T. 0.024 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

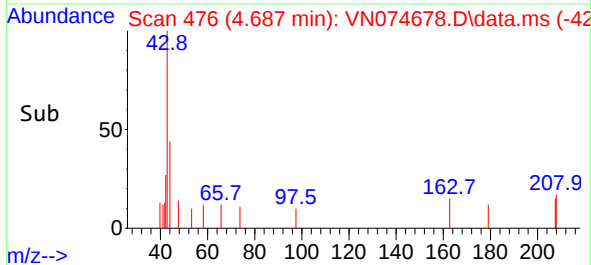
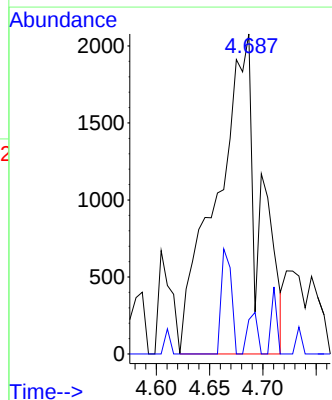
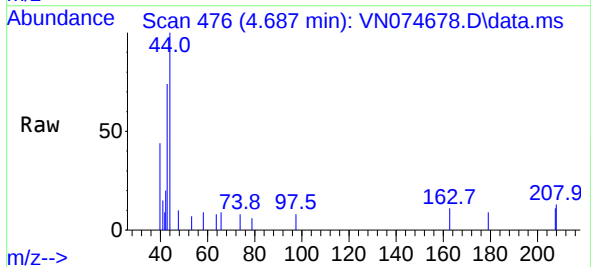
Instrument :
MSVOA_N
ClientSampleId :

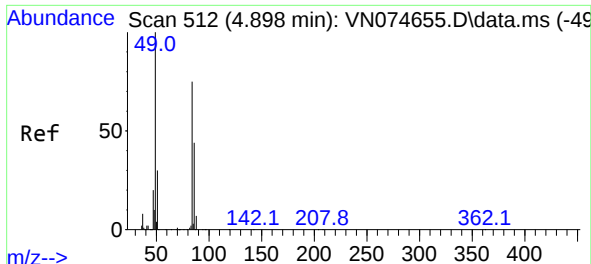
Tgt Ion: 43 Resp: 6116
Ion Ratio Lower Upper
43 100
58 23.7 26.0 39.0#



#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 4.687 min Scan# 476
Delta R.T. 0.024 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Tgt Ion: 43 Resp: 5813
Ion Ratio Lower Upper
43 100
74 3.0 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.910 min Scan# 51

Delta R.T. 0.012 min

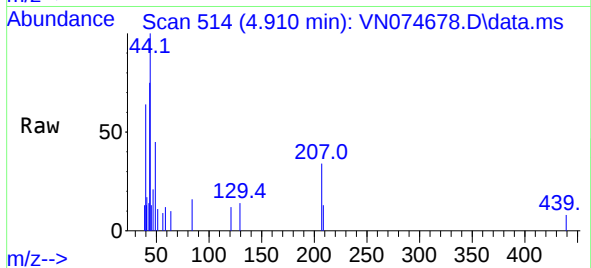
Lab File: VN074678.D

Acq: 30 Sep 2022 19:42

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 165

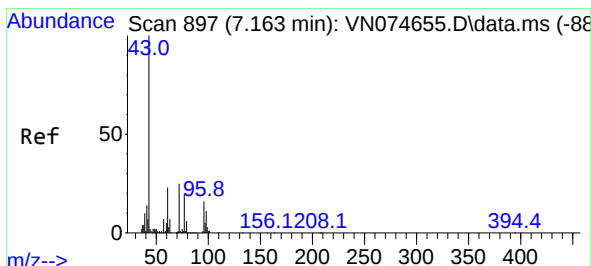
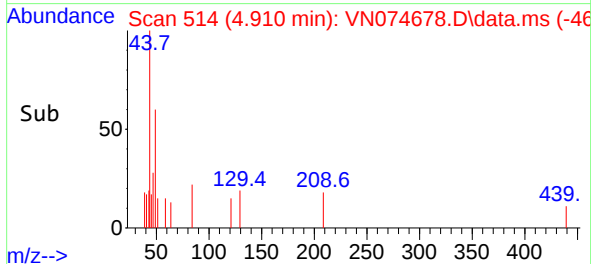
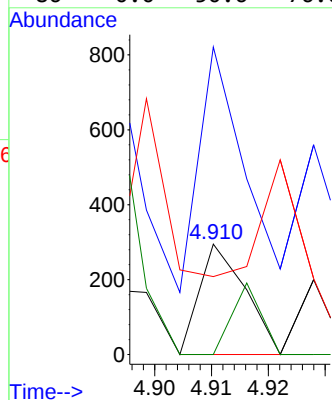
Ion Ratio Lower Upper

84 100

49 222.0 88.3 132.5#

51 0.0 28.2 42.2#

86 0.0 50.6 76.0#



#25

2-Butanone

Concen: 0.262 ug/l

RT: 7.163 min Scan# 897

Delta R.T. 0.000 min

Lab File: VN074678.D

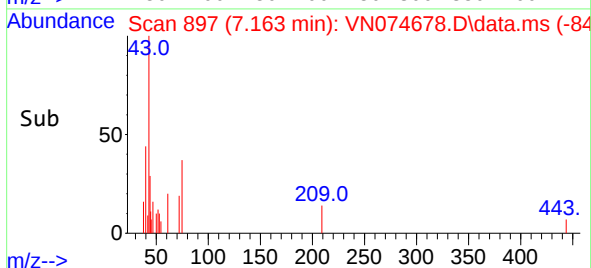
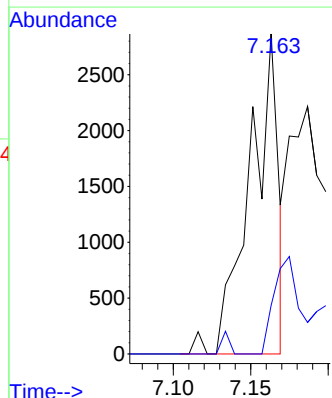
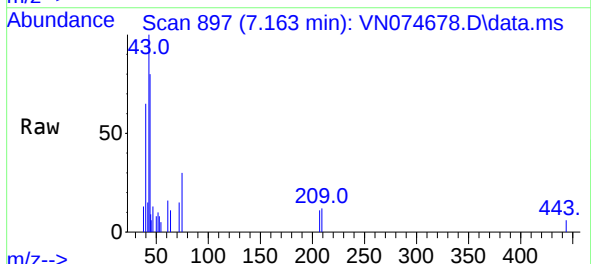
Acq: 30 Sep 2022 19:42

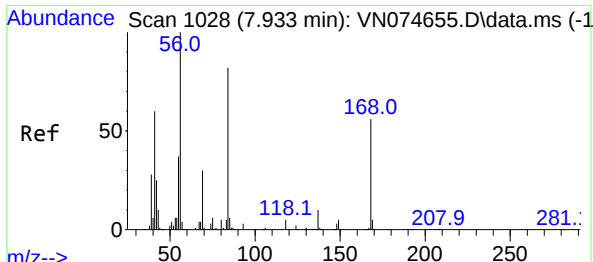
Tgt Ion: 43 Resp: 3663

Ion Ratio Lower Upper

43 100

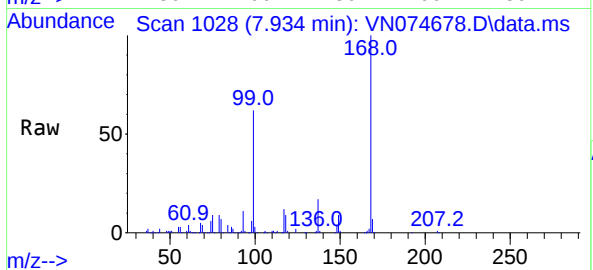
72 15.1 23.7 35.5#



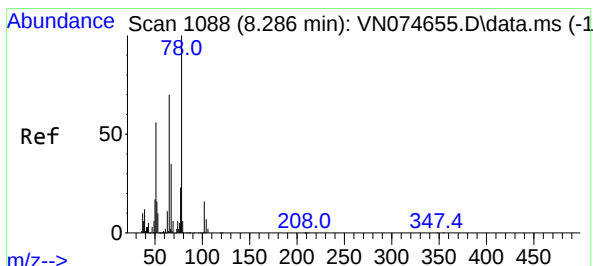
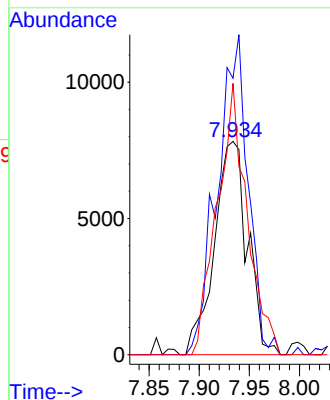
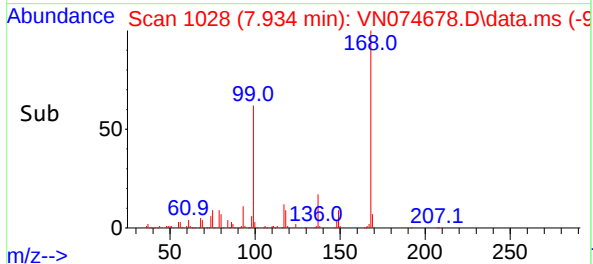


#31
Cyclohexane
Concen: 0.730 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Instrument :
MSVOA_N
ClientSampleId :

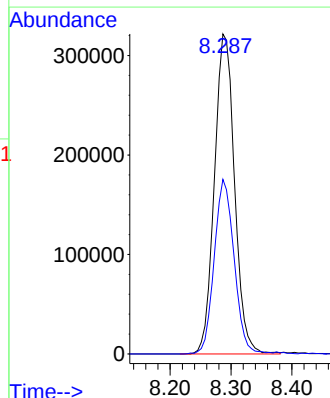
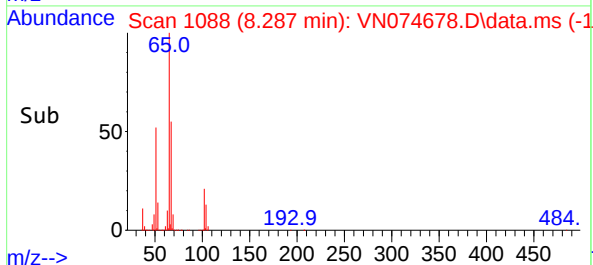
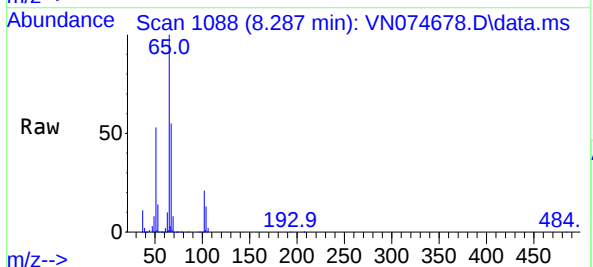


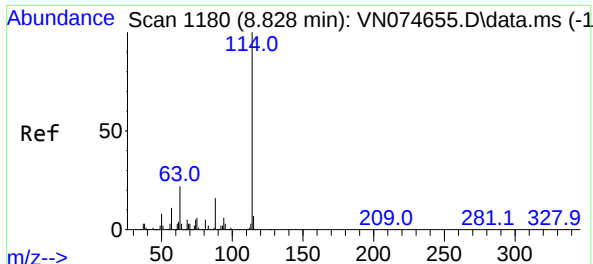
Tgt Ion: 56 Resp: 17998
Ion Ratio Lower Upper
56 100
69 129.6 27.8 41.8#
84 127.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.705 ug/l
RT: 8.287 min Scan# 1088
Delta R.T. 0.001 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

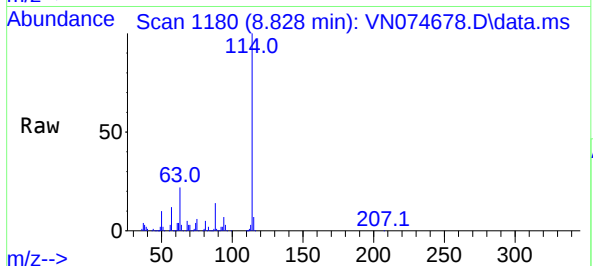
Tgt Ion: 65 Resp: 738925
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.8



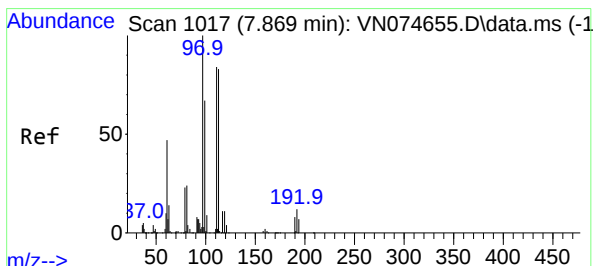
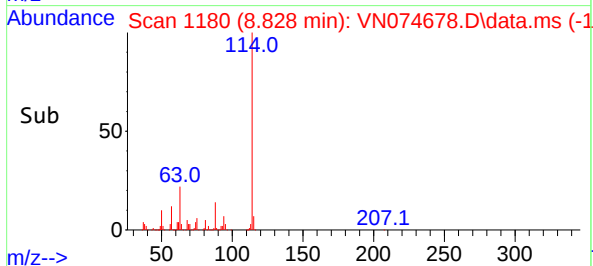
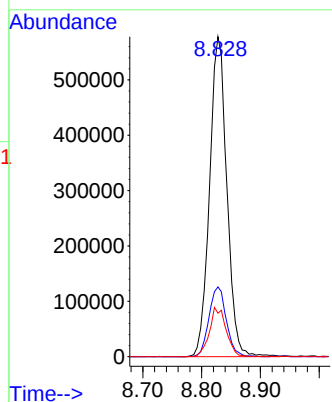


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Instrument :
MSVOA_N
ClientSampleId :

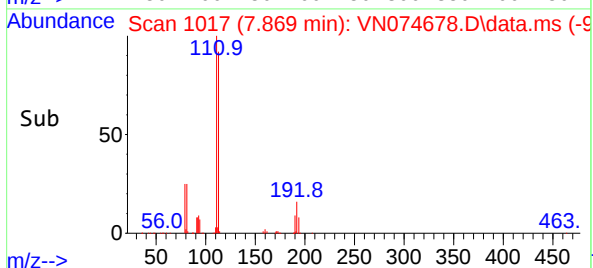
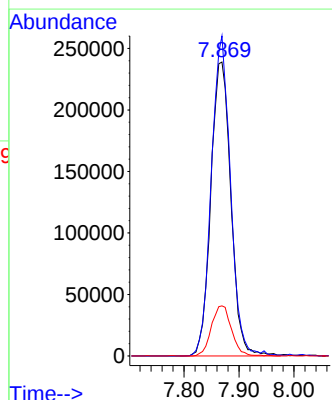
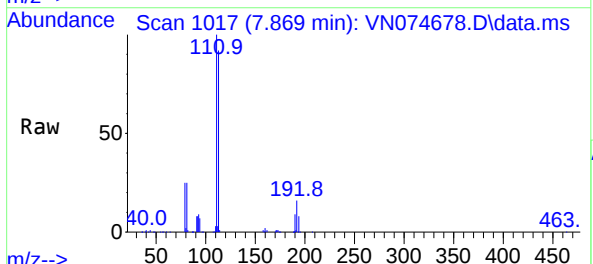


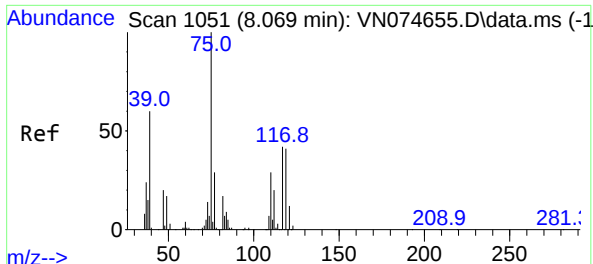
Tgt Ion:114 Resp: 1182379
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.0
88 13.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.419 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Tgt Ion:113 Resp: 605957
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 17.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 3.035 ug/l

RT: 7.940 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VN074678.D

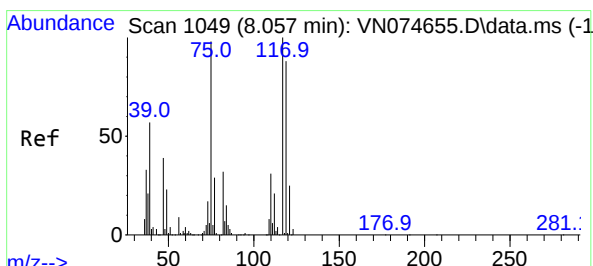
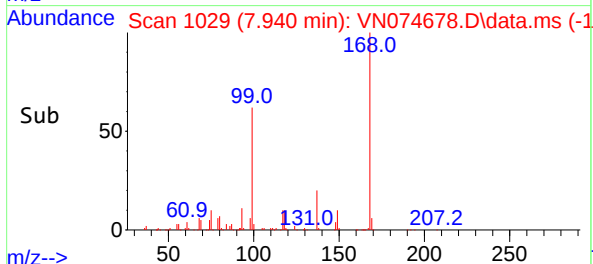
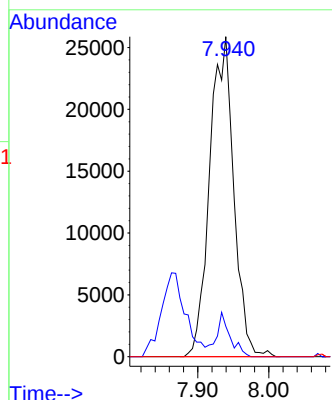
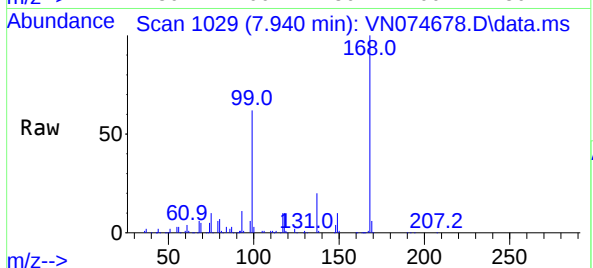
Acq: 30 Sep 2022 19:42

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 60833
Ion Ratio	Lower Upper
75 100	
110 8.0	18.3 54.8#
77 0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 3.645 ug/l

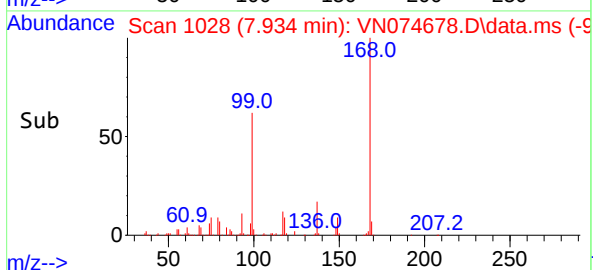
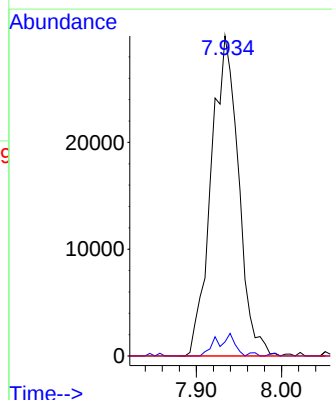
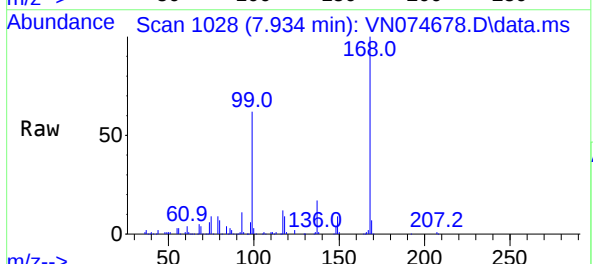
RT: 7.934 min Scan# 1028

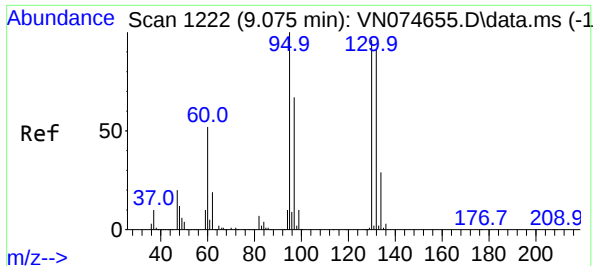
Delta R.T. -0.123 min

Lab File: VN074678.D

Acq: 30 Sep 2022 19:42

Tgt Ion: 117	Resp: 66936
Ion Ratio	Lower Upper
117 100	
119 4.4	75.8 113.8#
121 0.0	24.6 37.0#





#44

Trichloroethene

Concen: 2.517 ug/l

RT: 9.075 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN074678.D

Acq: 30 Sep 2022 19:42

Instrument :

MSVOA_N

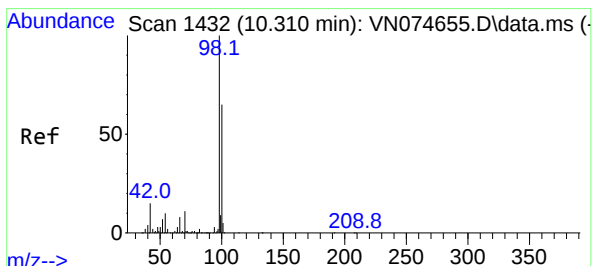
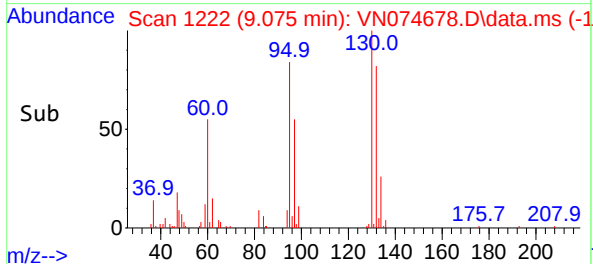
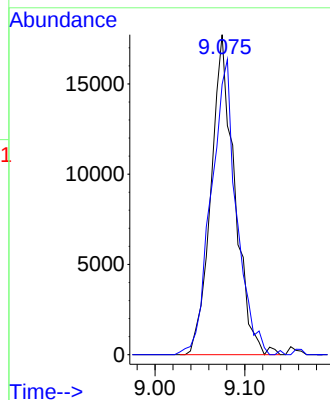
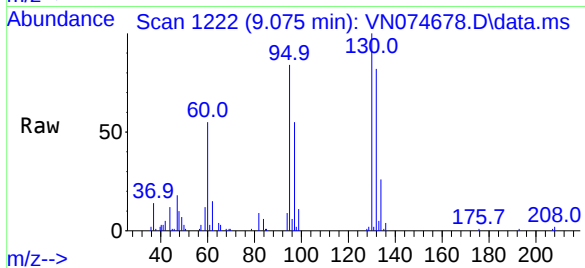
ClientSampleId :

Tgt Ion:130 Resp: 32394

Ion Ratio Lower Upper

130 100

95 83.6 0.0 186.8



#50

Toluene-d8

Concen: 44.532 ug/l

RT: 10.310 min Scan# 1432

Delta R.T. -0.000 min

Lab File: VN074678.D

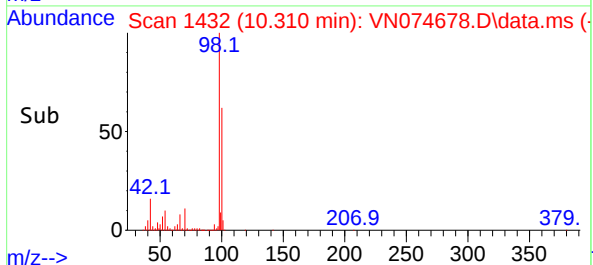
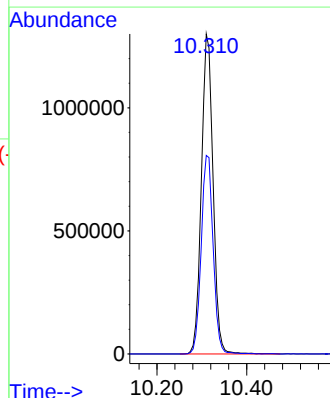
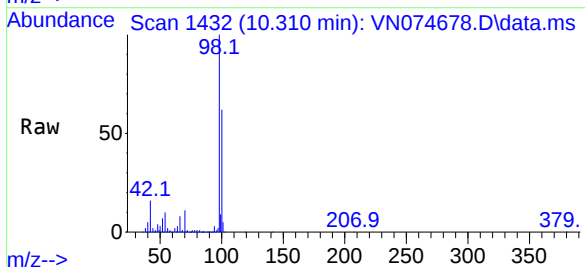
Acq: 30 Sep 2022 19:42

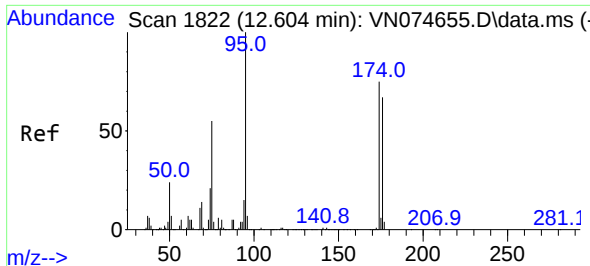
Tgt Ion: 98 Resp: 2344264

Ion Ratio Lower Upper

98 100

100 63.4 52.6 78.8



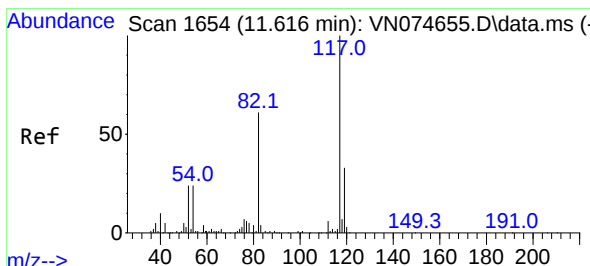
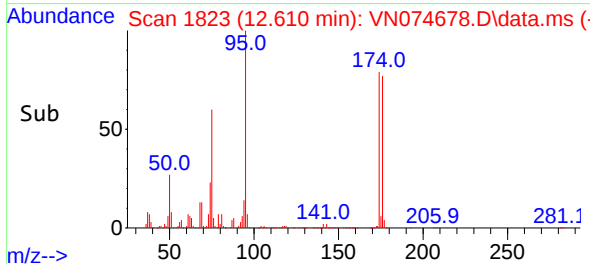
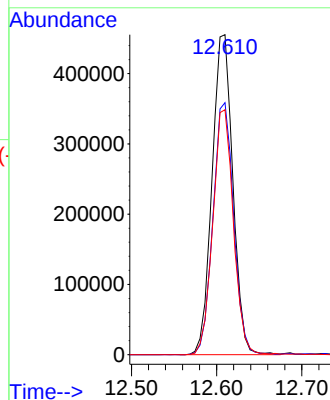
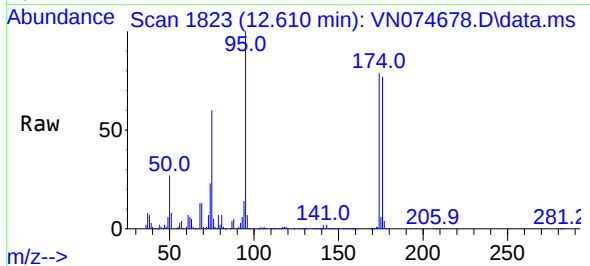


#62
4-Bromofluorobenzene
Concen: 46.168 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 770642

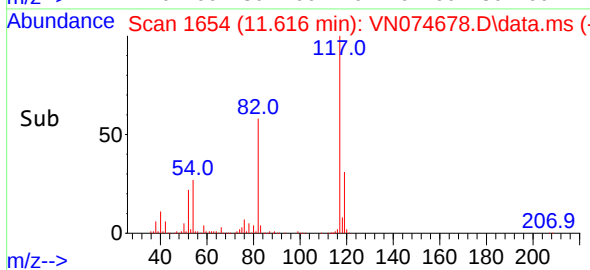
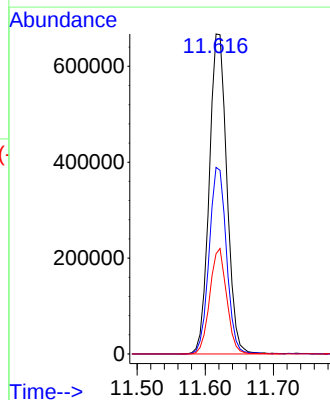
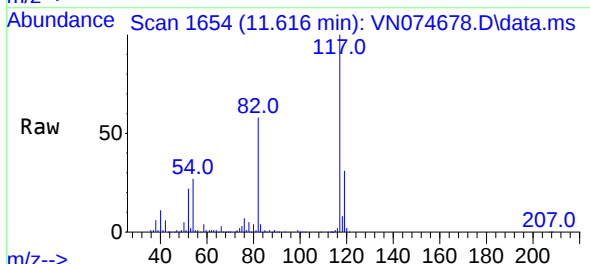
Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	167.6
176	76.1	0.0	163.4

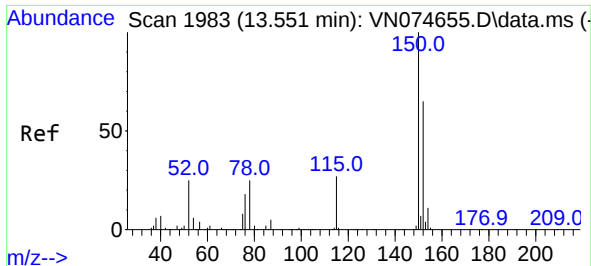


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Tgt Ion: 117 Resp: 1199600

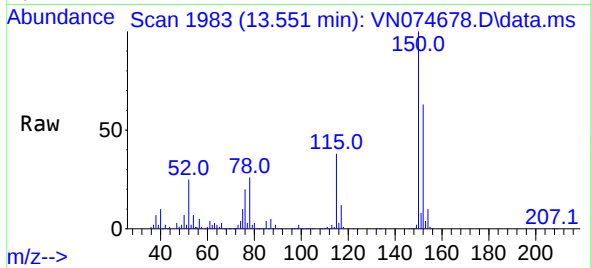
Ion	Ratio	Lower	Upper
117	100		
82	58.3	44.2	66.2
119	31.3	25.4	38.0



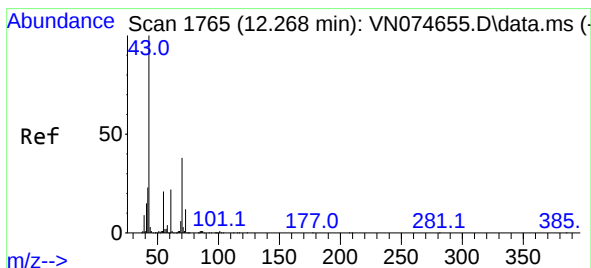
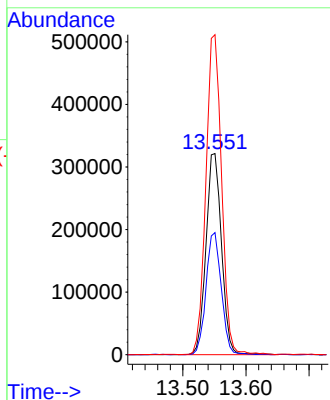
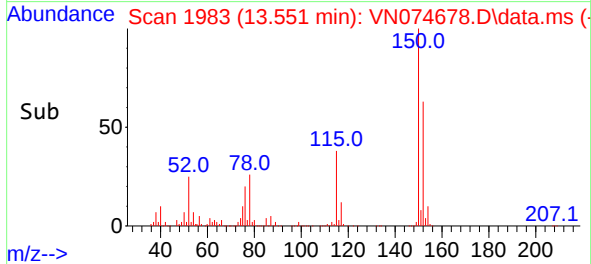


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

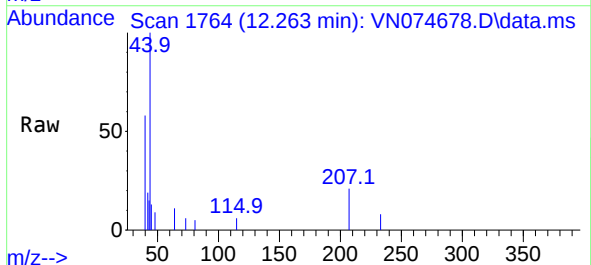
Instrument :
MSVOA_N
ClientSampleId :



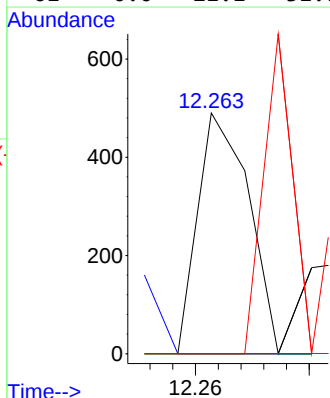
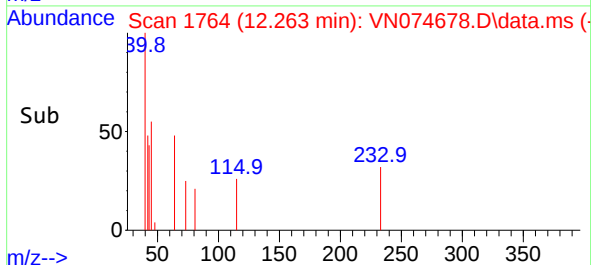
Tgt Ion:152 Resp: 548903
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.7
150 160.6 0.0 356.2

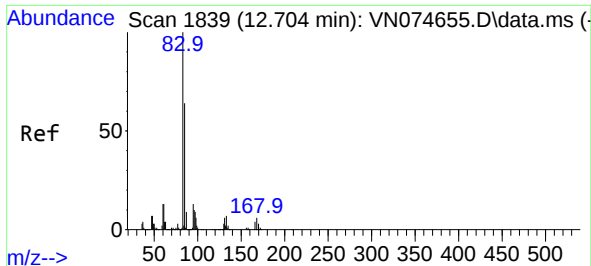


#74
N-ethyl acetate
Concen: Below Cal
RT: 12.263 min Scan# 1764
Delta R.T. -0.005 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42



Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 75.7 21.1 31.7#
61 0.0 21.1 31.7#

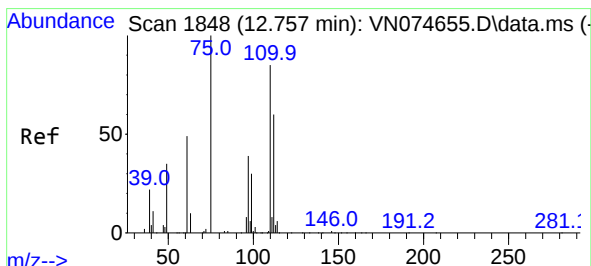
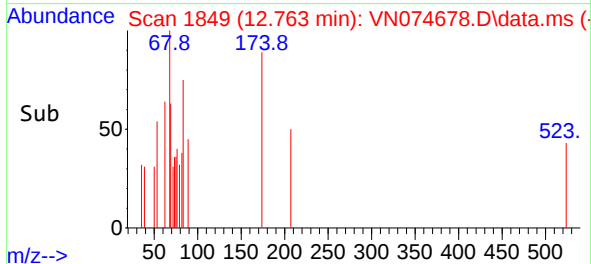
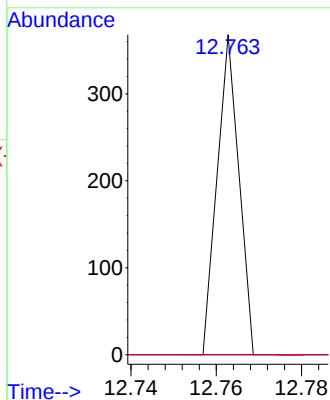
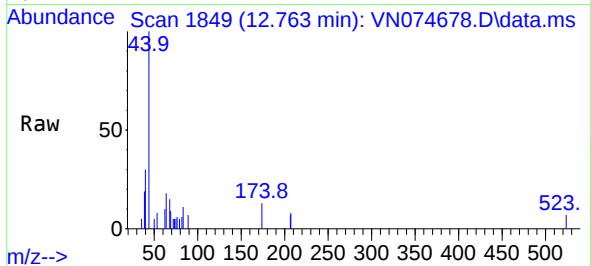




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.763 min Scan# 1849
Delta R.T. 0.059 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

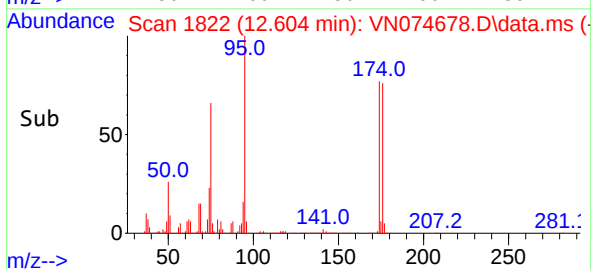
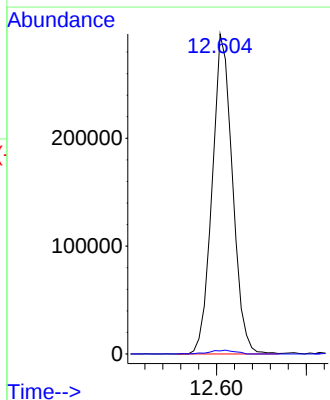
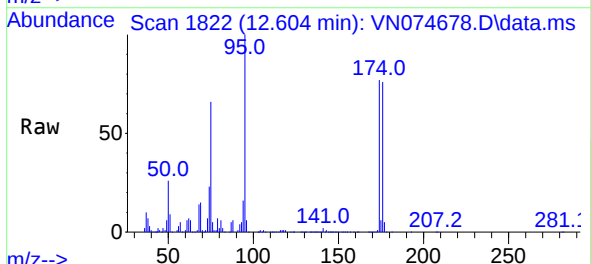
Instrument :
MSVOA_N
ClientSampleId :

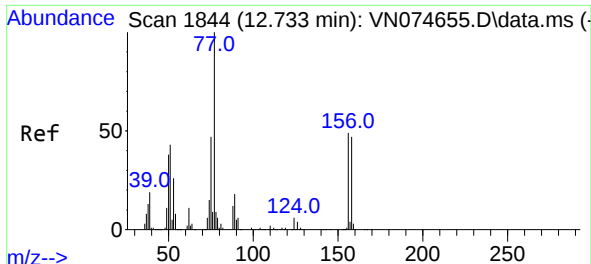
Tgt Ion: 83 Resp: 130
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 37.344 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

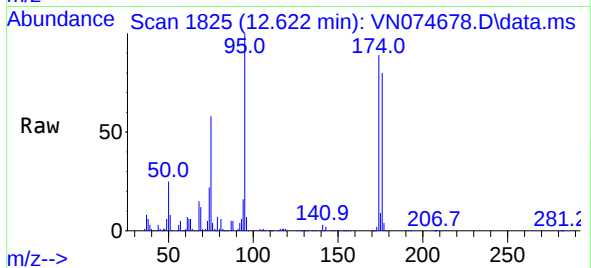
Tgt Ion: 75 Resp: 465806
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



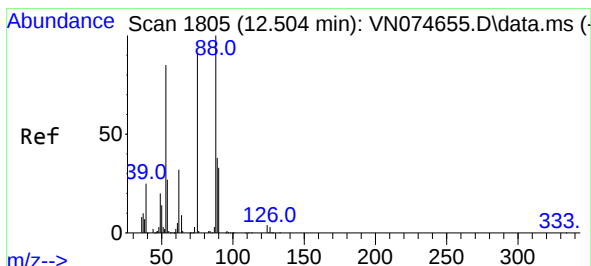
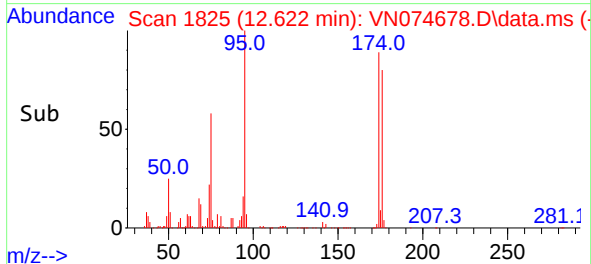
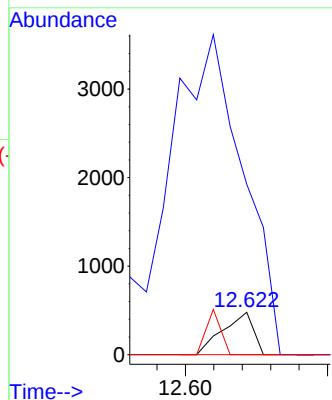


#77
Bromobenzene
Concen: Below Cal
RT: 12.622 min Scan# 1825
Delta R.T. -0.111 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

Instrument :
MSVOA_N
ClientSampleId :

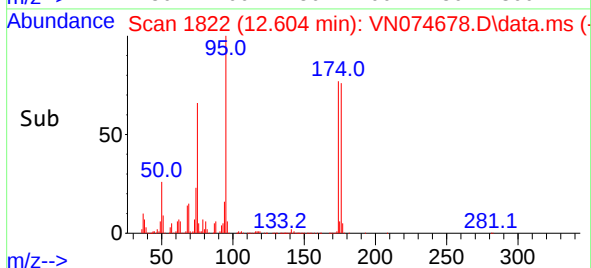
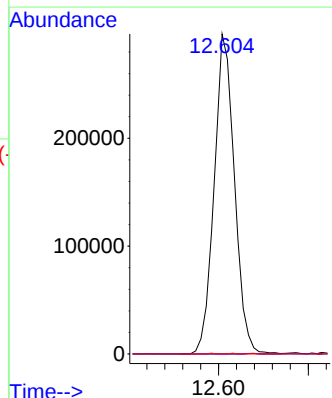
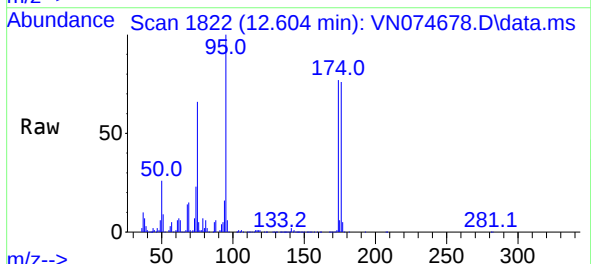


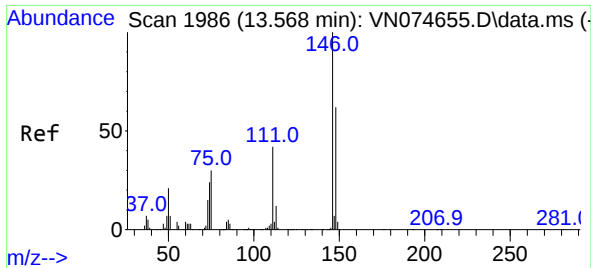
Tgt Ion:156 Resp: 358
Ion Ratio Lower Upper
156 100
77 1913.7 100.5 301.5#
158 50.3 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 70.916 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074678.D
Acq: 30 Sep 2022 19:42

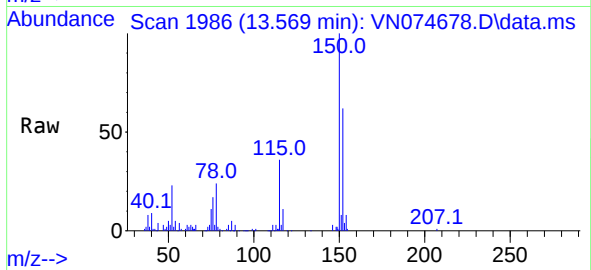
Tgt Ion: 75 Resp: 465806
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#88
 1,4-Dichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.569 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN074678.D
 Acq: 30 Sep 2022 19:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	146	Resp:	4956
Ion	Ratio	Lower	Upper
146	100		
111	203.7	19.1	57.1#
148	0.0	31.4	94.3#

