

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076461.D
 Acq On : 30 Jan 2023 16:53
 Operator : JC\MD
 Sample : PB150523ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:42:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

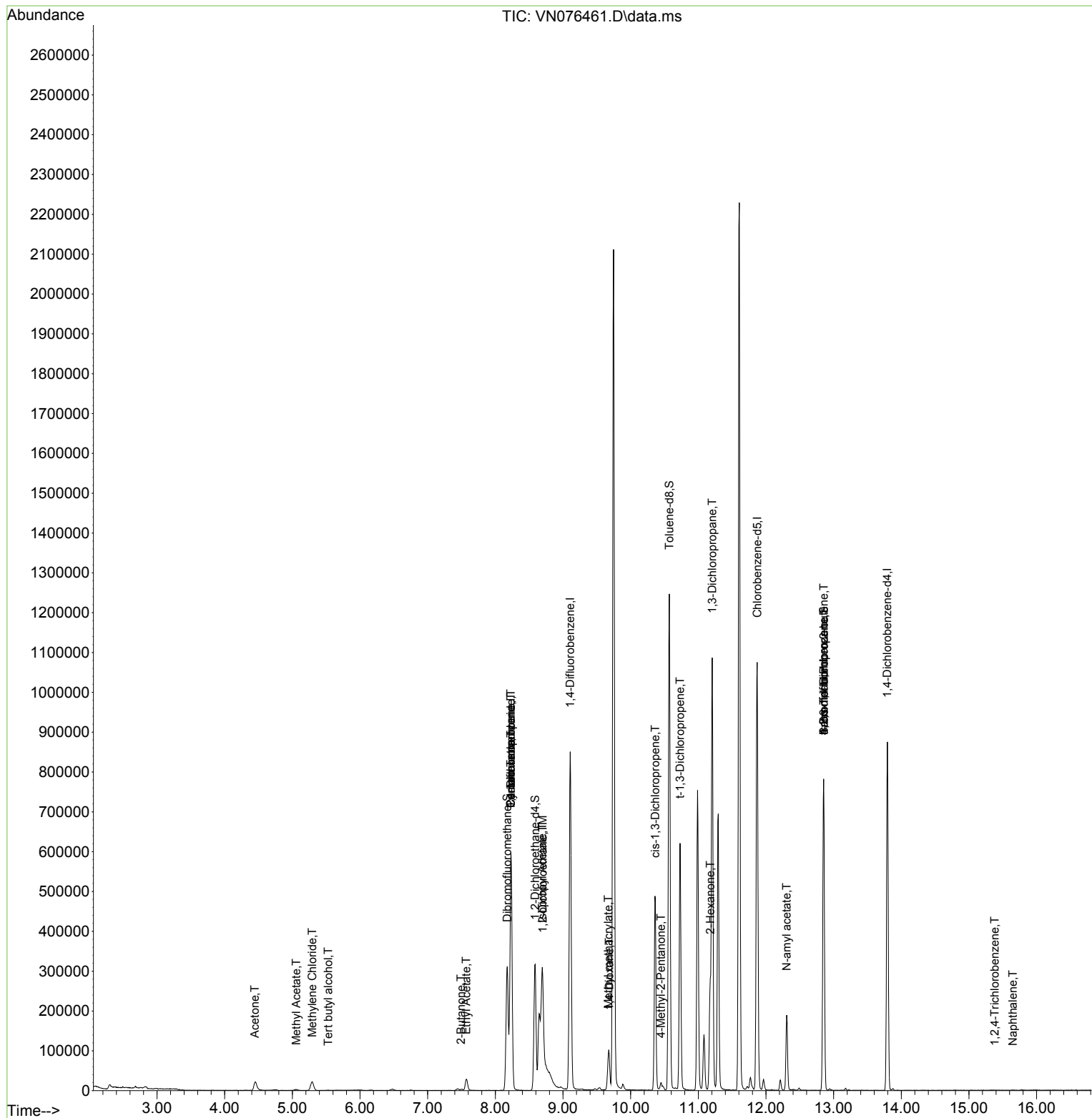
Internal Standards						
1) Pentafluorobenzene	8.230	168	434287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	738856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	639823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	271379	55.809	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.620%			
35) Dibromofluoromethane	8.177	113	223658	48.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	10.571	98	862337	50.521	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.853	95	267754	48.051	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.100%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	282	0.434	ug/l #	72
16) Acetone	4.448	43	42524	27.214	ug/l	100
18) Methyl Acetate	5.059	43	5165	0.978	ug/l #	87
20) Methylene Chloride	5.295	84	18960	3.551	ug/l	94
25) 2-Butanone	7.494	43	4579	1.923	ug/l #	87
31) Cyclohexane	8.230	56	9543	1.278	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	34001	5.177	ug/l #	48
37) Ethyl Acetate	7.571	43	42753	8.147	ug/l	98
38) Carbon Tetrachloride	8.230	117	45233	6.176	ug/l #	18
42) 1,2-Dichloroethane	8.700	62	2101	0.313	ug/l #	73
43) Isopropyl Acetate	8.694	43	458219	53.470	ug/l #	71
48) Methyl methacrylate	9.671	41	6241	1.538	ug/l #	33
49) 1,4-Dioxane	9.682	88	59	0.689	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10527	2.093	ug/l	100
53) t-1,3-Dichloropropene	10.729	75	1583	0.241	ug/l	89
54) cis-1,3-Dichloropropene	10.365	75	93399	12.369	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	12051	1.477	ug/l #	42
59) 2-Hexanone	11.177	43	187734	51.497	ug/l #	21
71) Bromoform	12.853	173	1595	0.439	ug/l #	1
74) N-amyl acetate	12.306	43	59140	11.082	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	142589	32.303	ug/l #	1
77) Bromobenzene	12.965	156	68	Below Cal	#	64
81) trans-1,4-Dichloro-2-b...	12.853	75	142589	98.929	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.382	180	267	1.367	ug/l #	32
95) Naphthalene	15.647	128	894	1.908	ug/l #	69

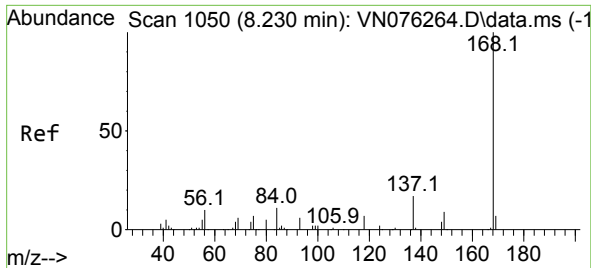
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
Data File : VN076461.D
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Sample : PB150523ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 31 00:42:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

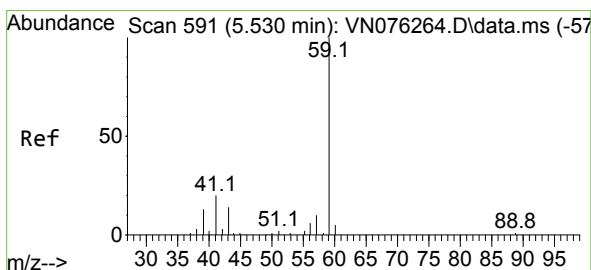
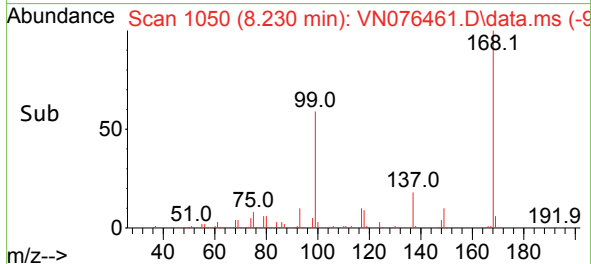
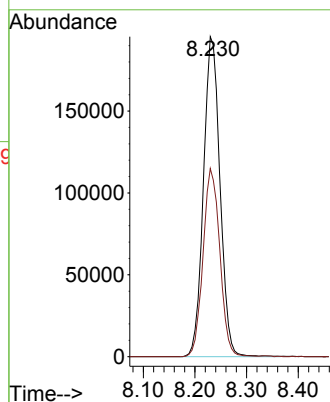
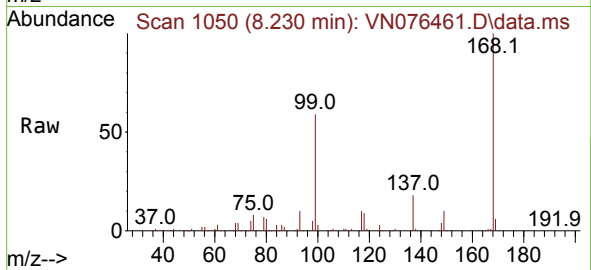




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

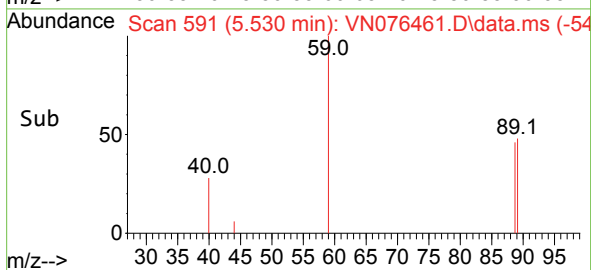
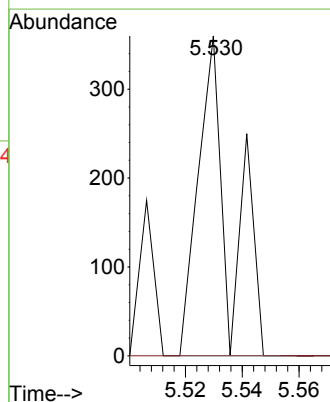
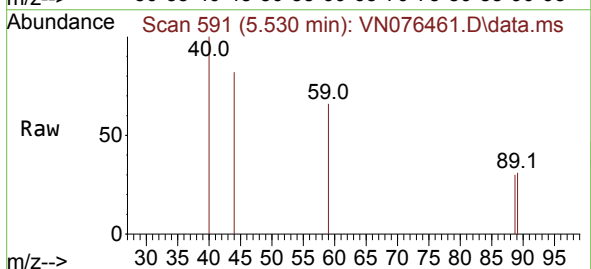
Instrument :
MSVOA_N
ClientSampleId :

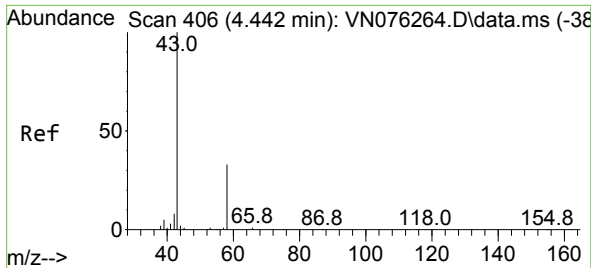
Tgt Ion:168 Resp: 434287
Ion Ratio Lower Upper
168 100
99 58.8 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.434 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.000 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

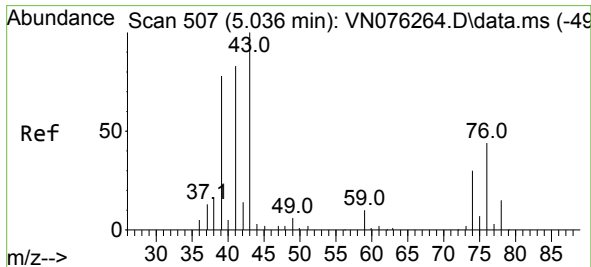
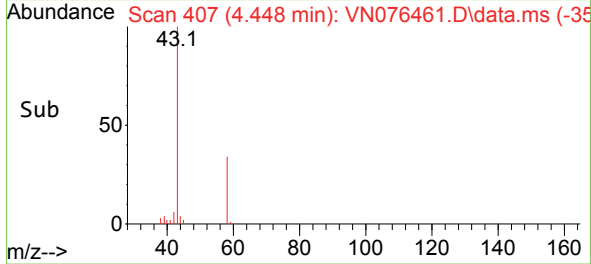
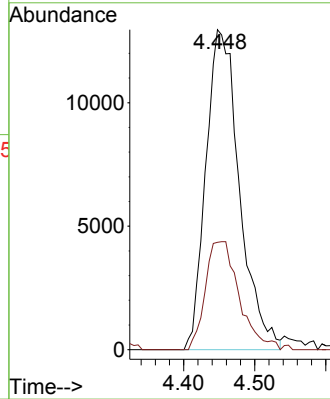
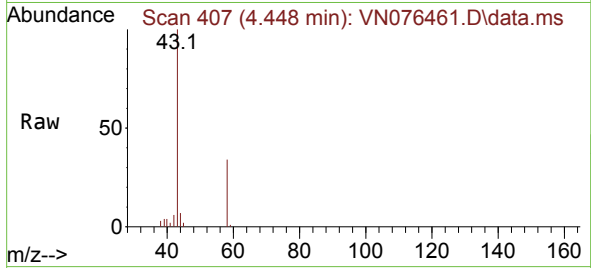




#16
Acetone
Concen: 27.214 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

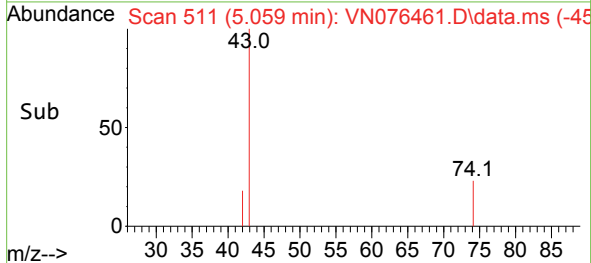
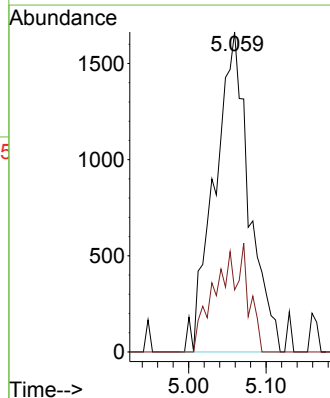
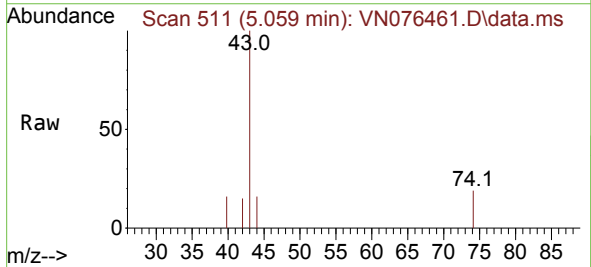
Instrument :
MSVOA_N
ClientSampleId :

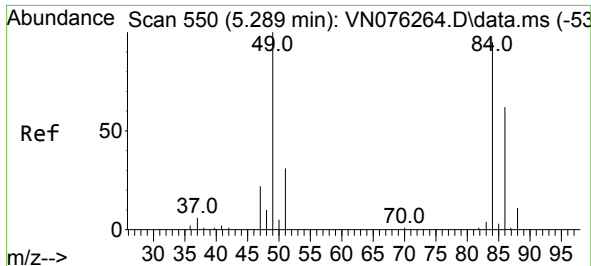
Tgt Ion: 43 Resp: 42524
Ion Ratio Lower Upper
43 100
58 33.6 26.7 40.1



#18
Methyl Acetate
Concen: 0.978 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

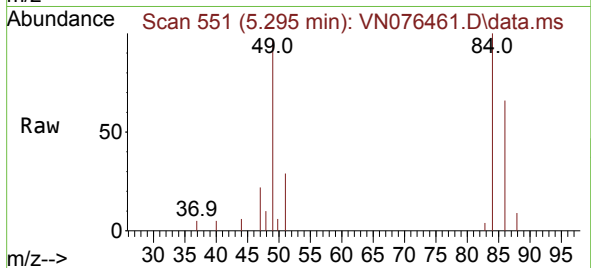
Tgt Ion: 43 Resp: 5165
Ion Ratio Lower Upper
43 100
74 22.0 23.3 34.9#



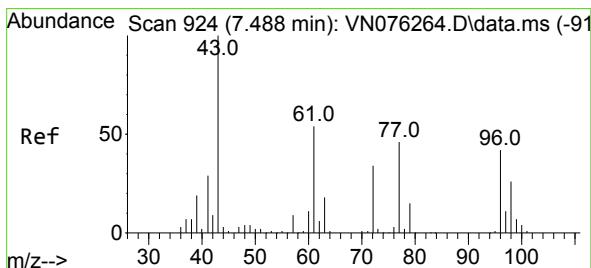
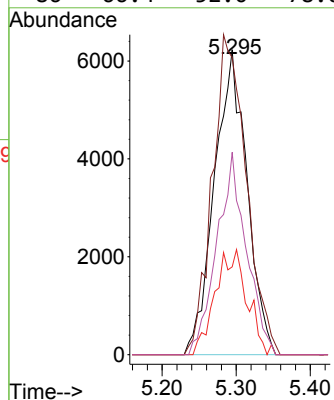


#20
Methylene Chloride
Concen: 3.551 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :

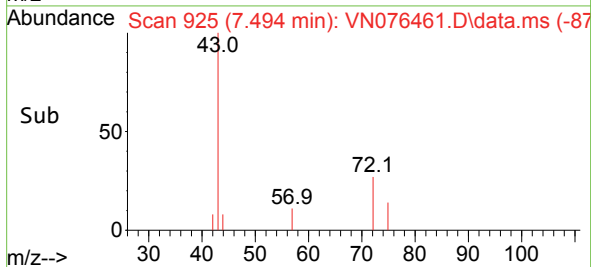
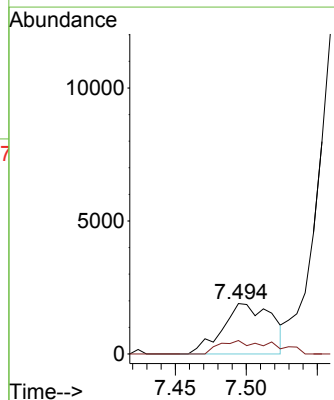
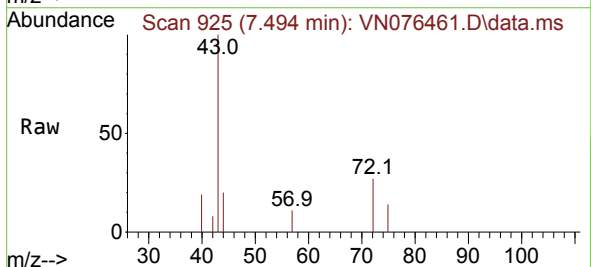


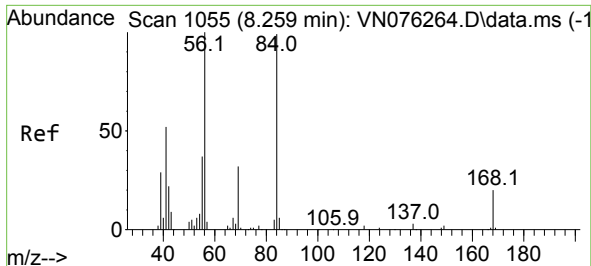
Tgt Ion: 84	Resp:	18960	
Ion	Ratio	Lower	Upper
84	100		
49	97.4	84.5	126.7
51	28.8	26.0	39.0
86	66.4	52.0	78.0



#25
2-Butanone
Concen: 1.923 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

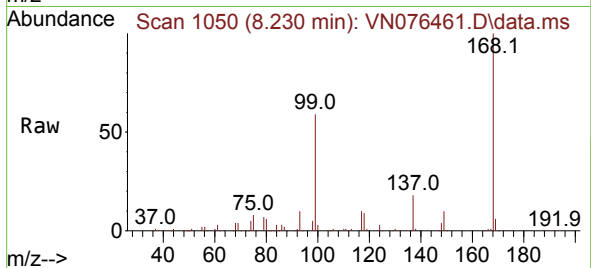
Tgt Ion: 43	Resp:	4579	
Ion Ratio	Lower	Upper	
43 100			
72 26.6	27.4	41.2#	



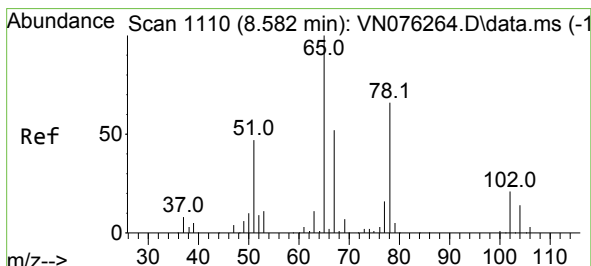
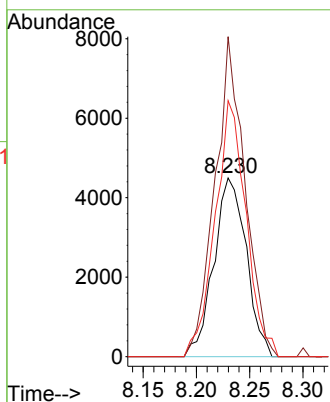
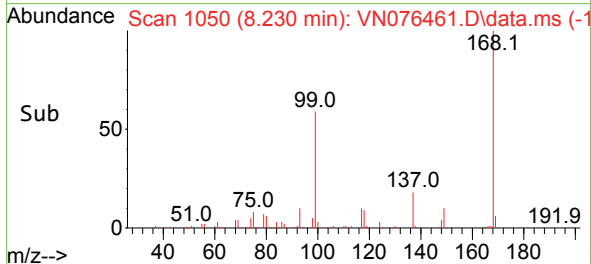


#31
Cyclohexane
Concen: 1.278 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :

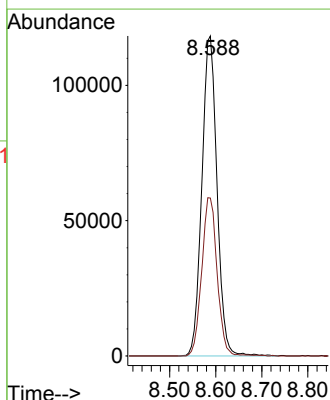
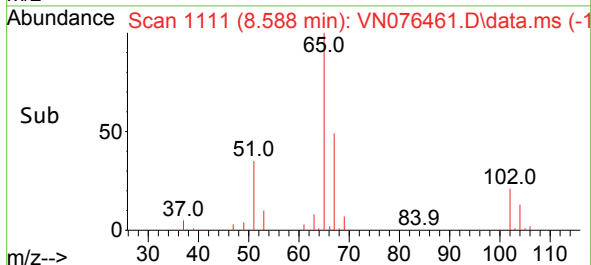
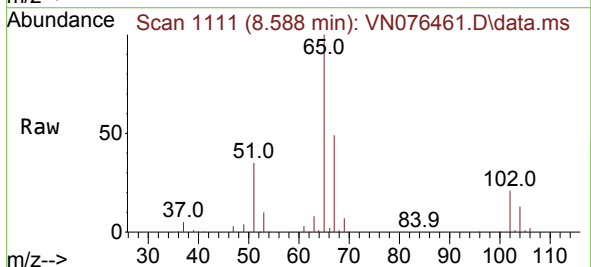


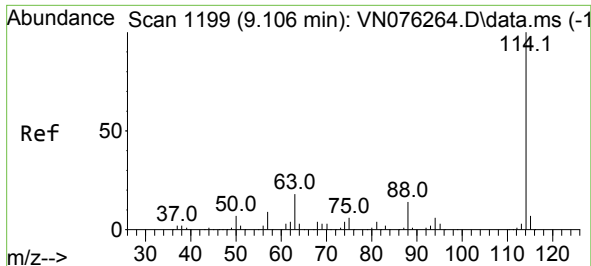
Tgt Ion: 56 Resp: 9543
Ion Ratio Lower Upper
56 100
69 179.1 25.8 38.8#
84 143.3 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 55.809 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Tgt Ion: 65 Resp: 271379
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.6

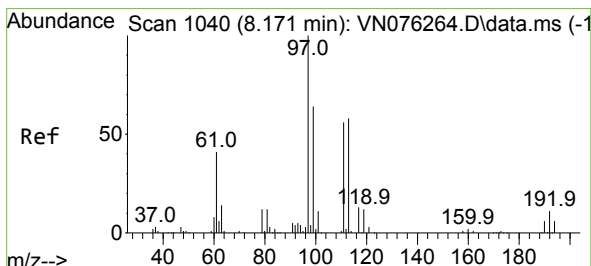
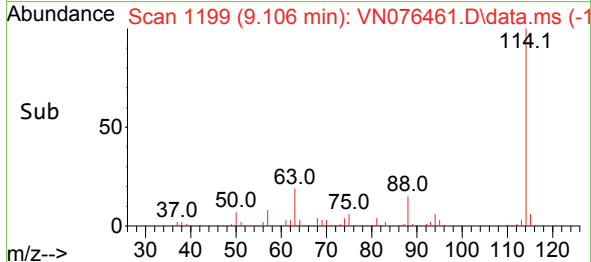
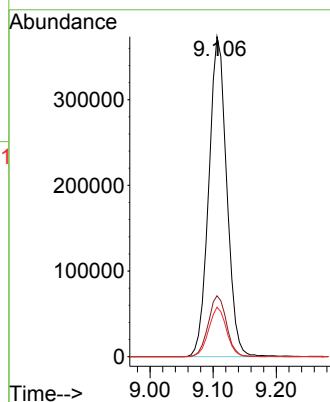
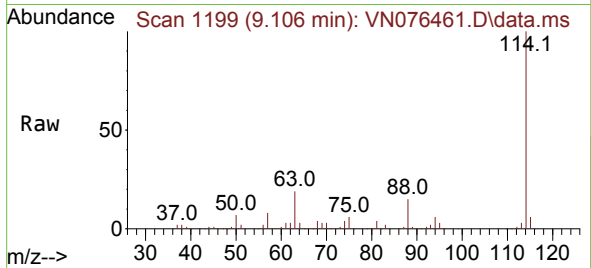




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

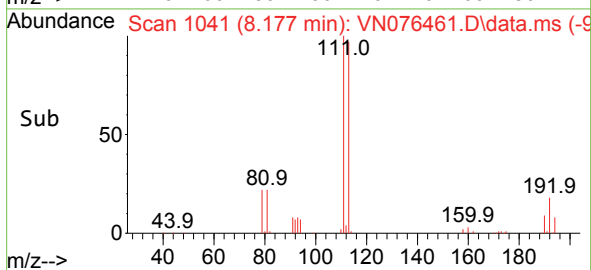
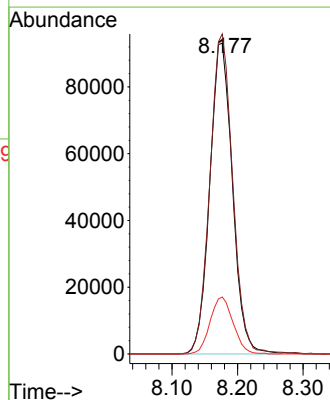
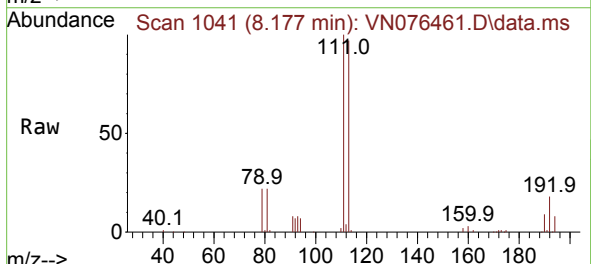
Instrument :
MSVOA_N
ClientSampleId :

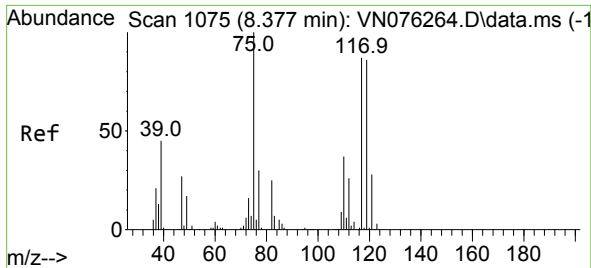
Tgt Ion:114 Resp: 738856
Ion Ratio Lower Upper
114 100
63 19.1 0.0 35.8
88 15.5 0.0 28.0



#35
Dibromofluoromethane
Concen: 48.391 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

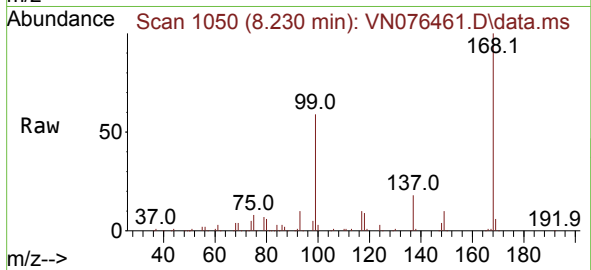
Tgt Ion:113 Resp: 223658
Ion Ratio Lower Upper
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111 103.6 82.7 124.1
192 18.6 15.6 23.4



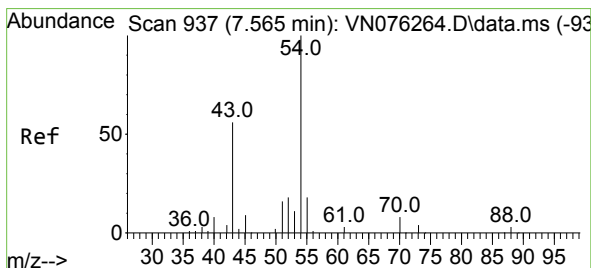
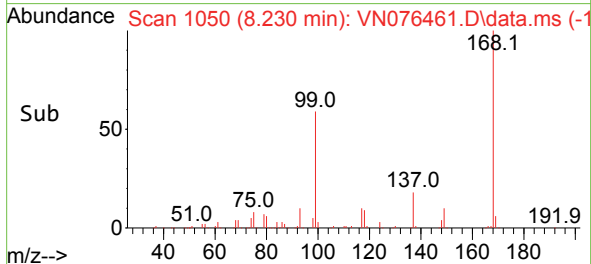
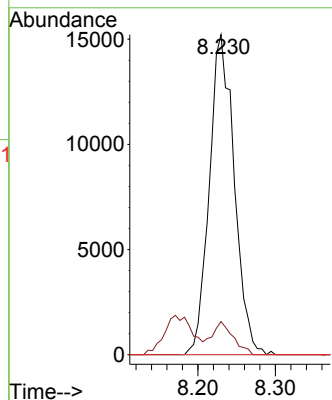


#36
1,1-Dichloropropene
Concen: 5.177 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :

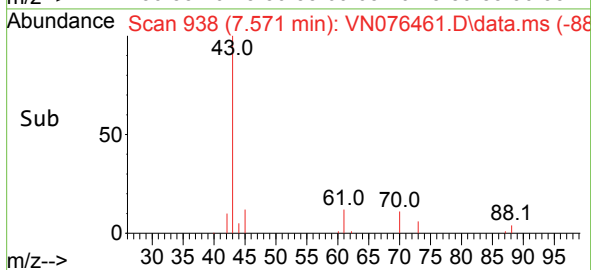
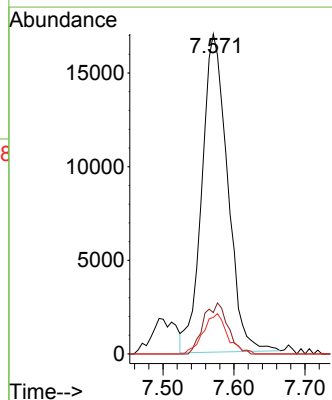
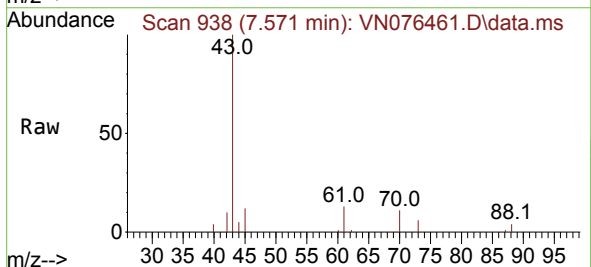


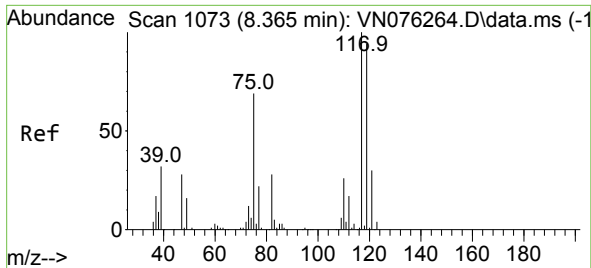
Tgt Ion: 75 Resp: 34001
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.147 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

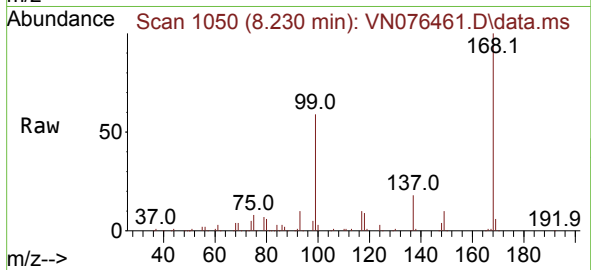
Tgt Ion: 43 Resp: 42753
Ion Ratio Lower Upper
43 100
61 15.2 11.1 16.7
70 12.0 10.0 15.0



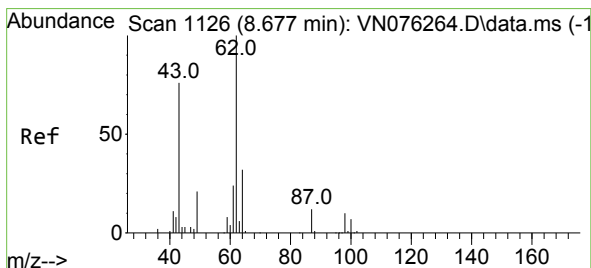
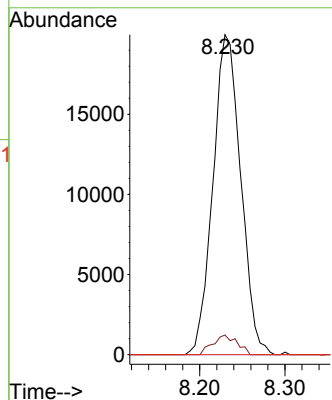
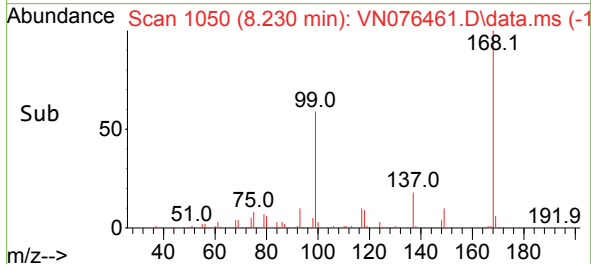


#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 8.230 min Scan# 1130
Delta R.T. -0.135 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :

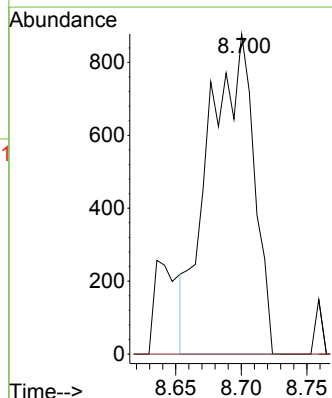
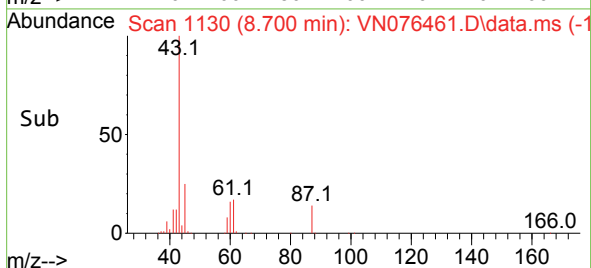
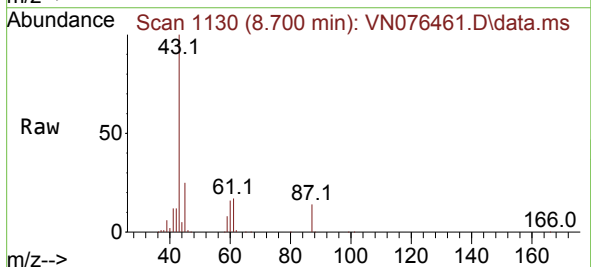


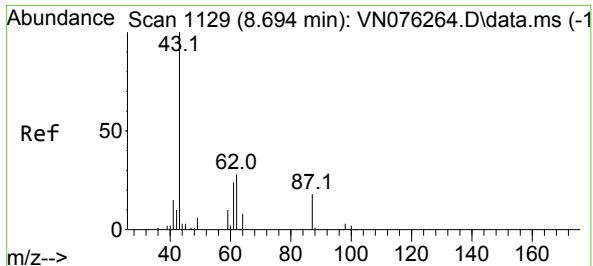
Tgt Ion:117 Resp: 45233
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.0#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.313 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.023 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

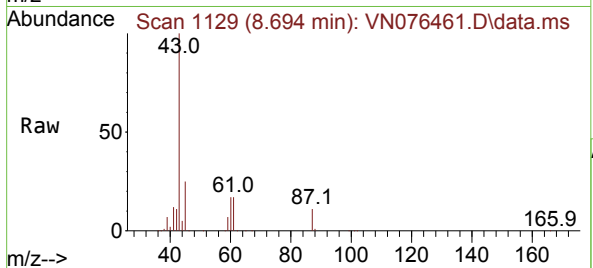
Tgt Ion: 62 Resp: 2101
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4



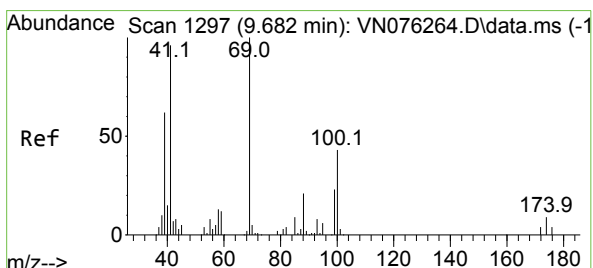
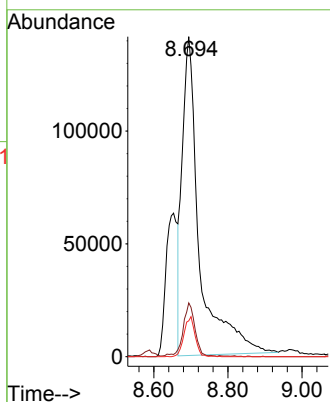
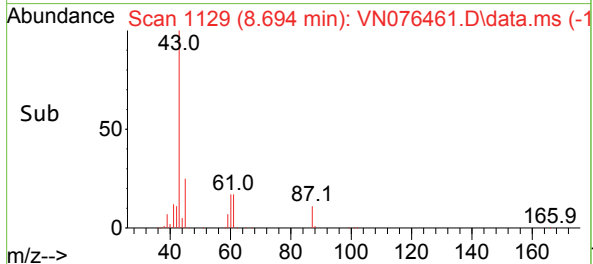


#43
Isopropyl Acetate
Concen: 53.470 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

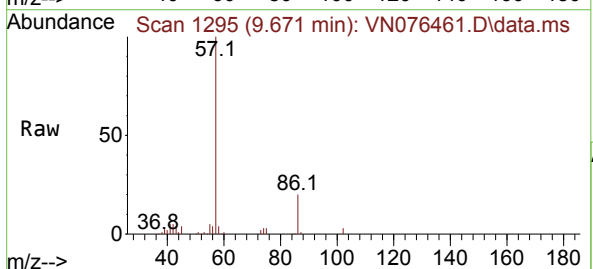
Instrument :
MSVOA_N
ClientSampleId :



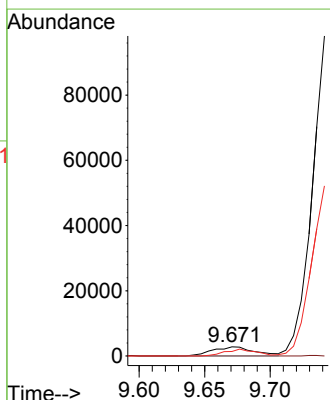
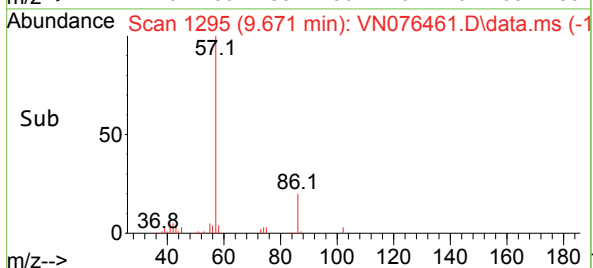
Tgt Ion: 43 Resp: 458219
Ion Ratio Lower Upper
43 100
61 11.5 23.5 35.3#
87 8.0 13.8 20.6#

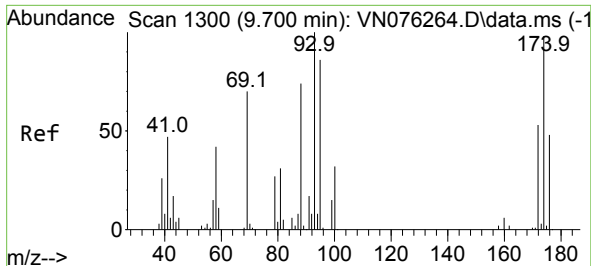


#48
Methyl methacrylate
Concen: 1.538 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53



Tgt Ion: 41 Resp: 6241
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 54.9 54.4 81.6





#49

1,4-Dioxane

Concen: 0.689 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. -0.018 min

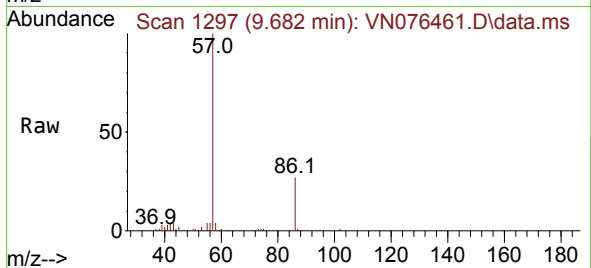
Lab File: VN076461.D

Acq: 30 Jan 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :



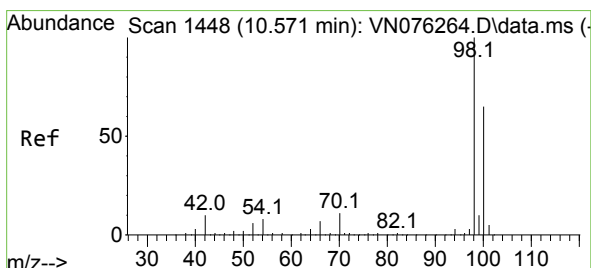
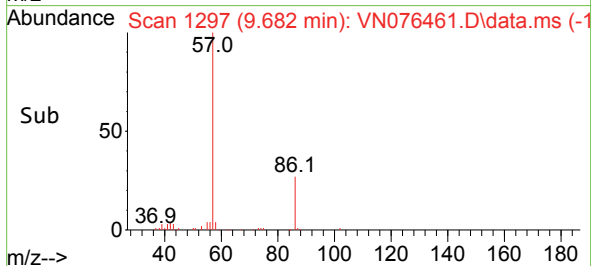
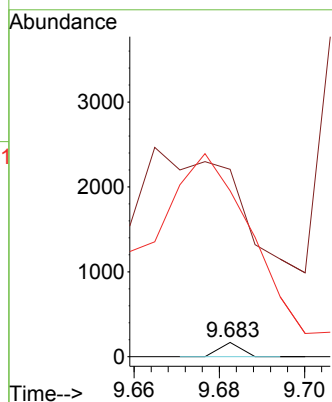
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 18.1 27.1#

58 7596.6 46.5 69.7#



#50

Toluene-d8

Concen: 50.521 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076461.D

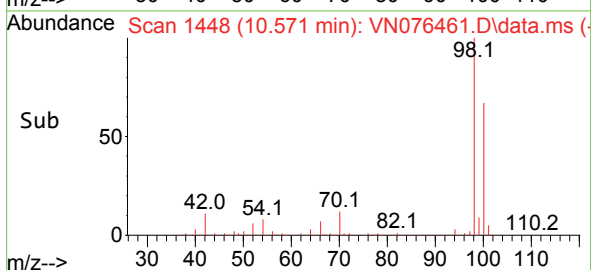
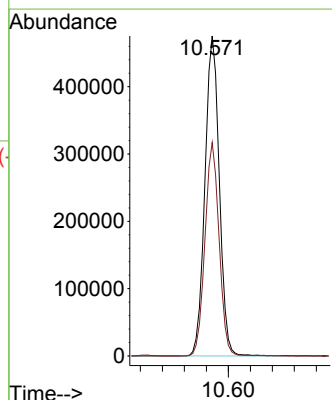
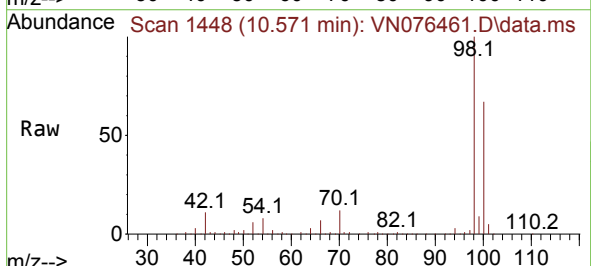
Acq: 30 Jan 2023 16:53

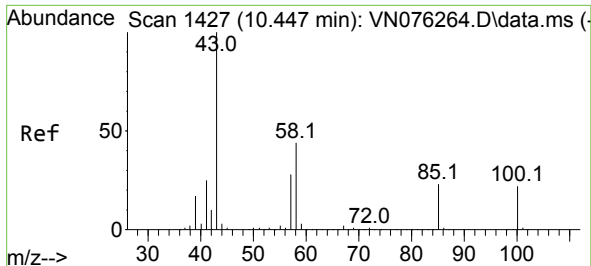
Tgt Ion: 98 Resp: 862337

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 2.093 ug/l

RT: 10.447 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN076461.D

Acq: 30 Jan 2023 16:53

Instrument :

MSVOA_N

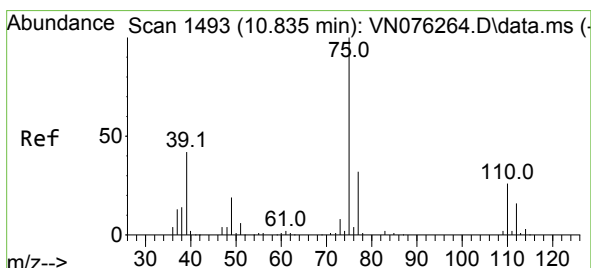
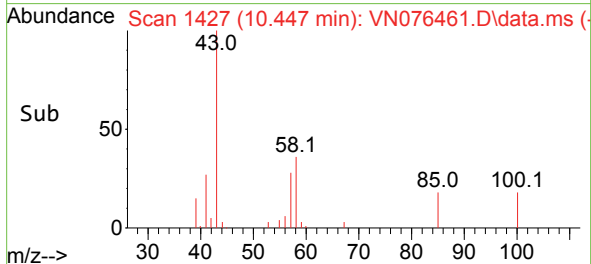
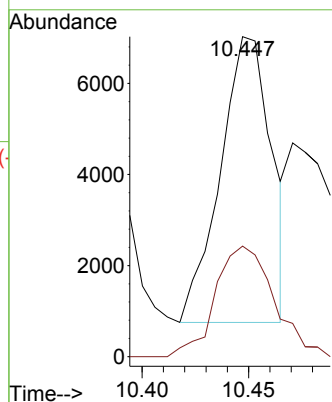
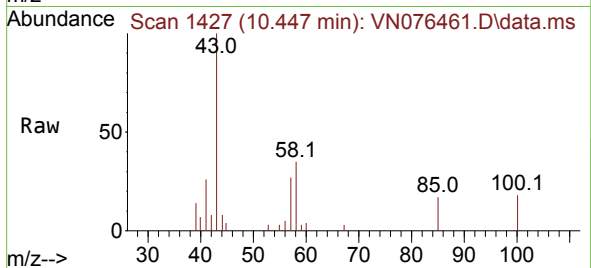
ClientSampleId :

Tgt Ion: 43 Resp: 10527

Ion Ratio Lower Upper

43 100

58 44.1 35.1 52.7



#53

t-1,3-Dichloropropene

Concen: 0.241 ug/l

RT: 10.729 min Scan# 1475

Delta R.T. -0.106 min

Lab File: VN076461.D

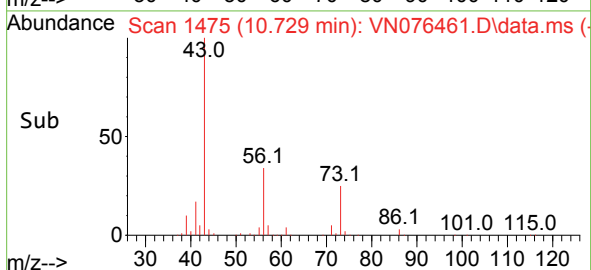
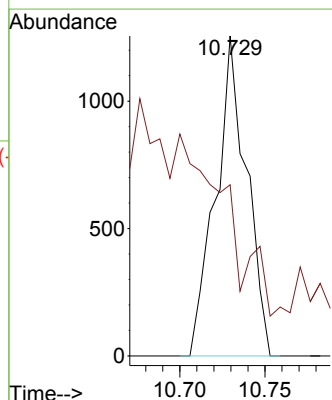
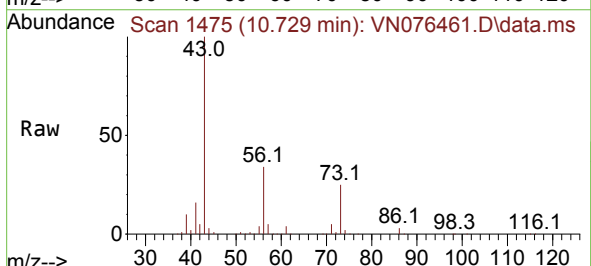
Acq: 30 Jan 2023 16:53

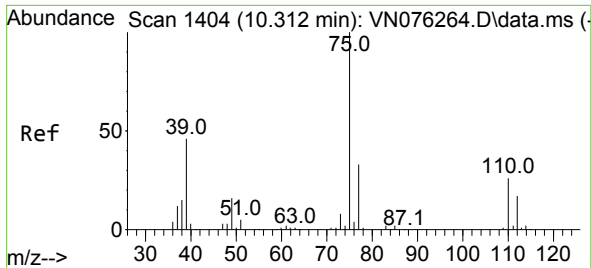
Tgt Ion: 75 Resp: 1583

Ion Ratio Lower Upper

75 100

77 38.2 25.8 38.6

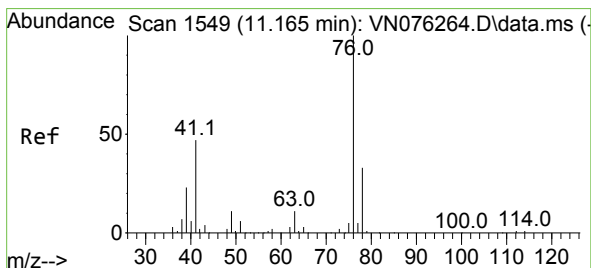
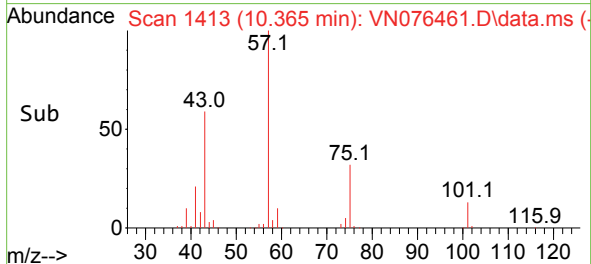
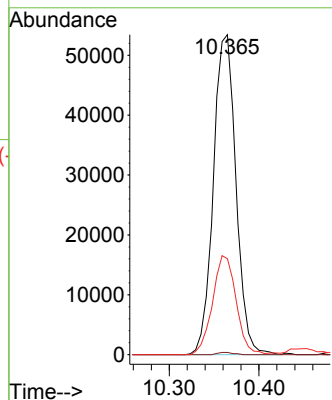
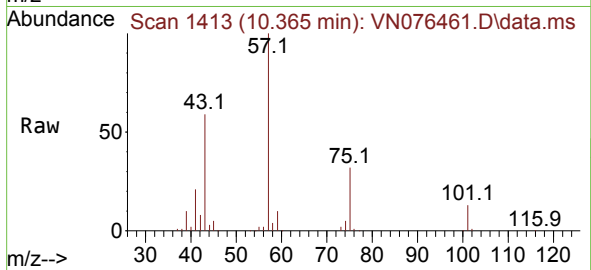




#54
 cis-1,3-Dichloropropene
 Concen: 12.369 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN076461.D
 Acq: 30 Jan 2023 16:53

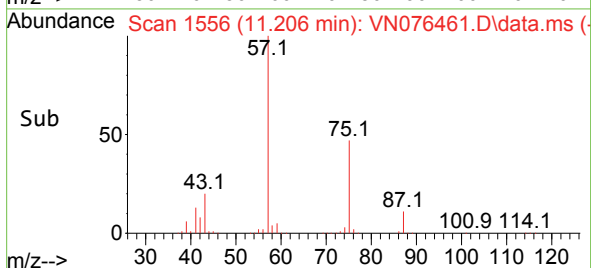
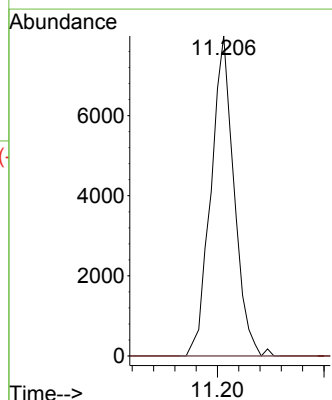
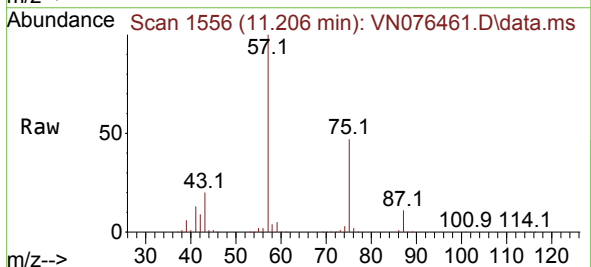
Instrument :
 MSVOA_N
 ClientSampleId :

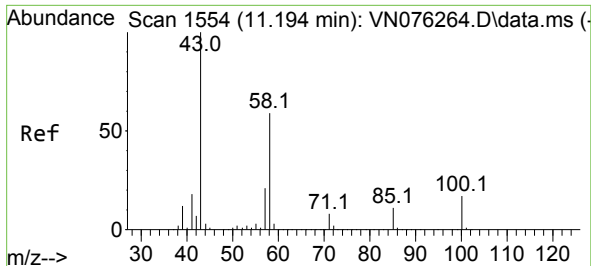
Tgt Ion: 75 Resp: 93399
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.5 39.7#
 39 30.0 37.1 55.7#



#57
 1,3-Dichloropropane
 Concen: 1.477 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN076461.D
 Acq: 30 Jan 2023 16:53

Tgt Ion: 76 Resp: 12051
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.4 39.6#

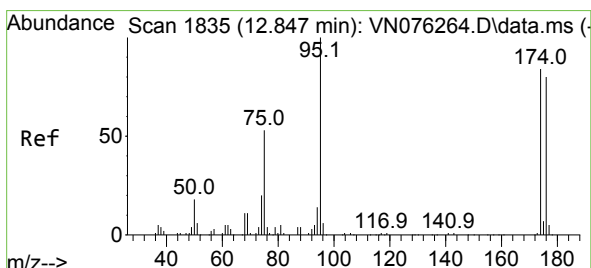
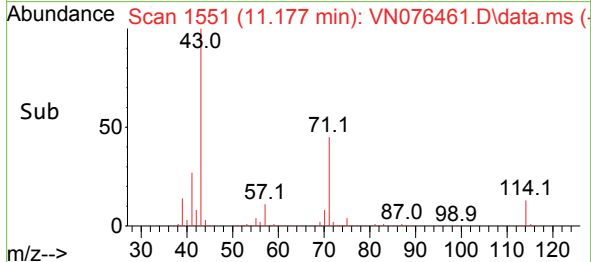
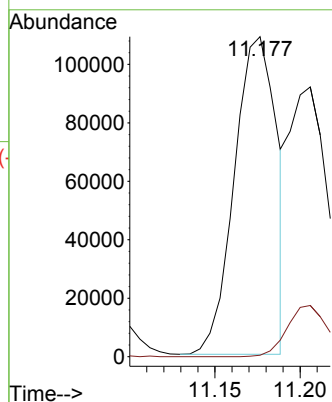
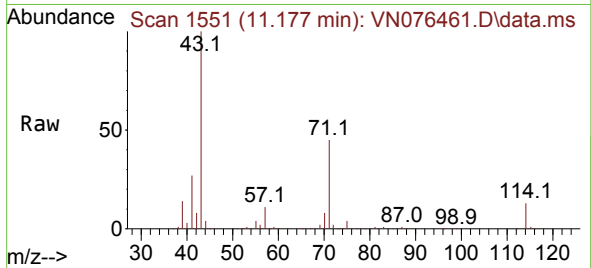




#59
2-Hexanone
Concen: 51.497 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

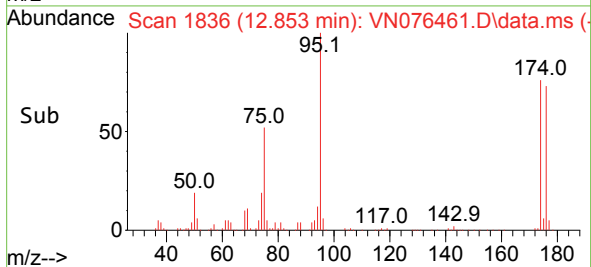
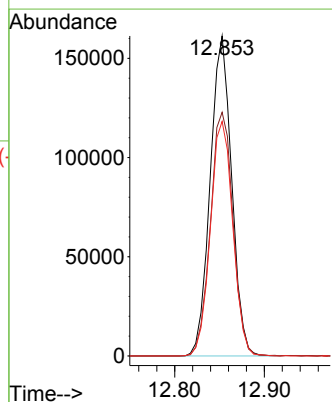
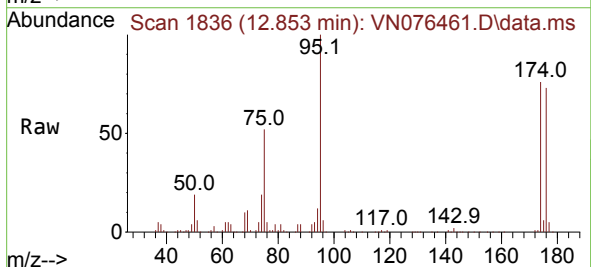
Instrument :
MSVOA_N
ClientSampleId :

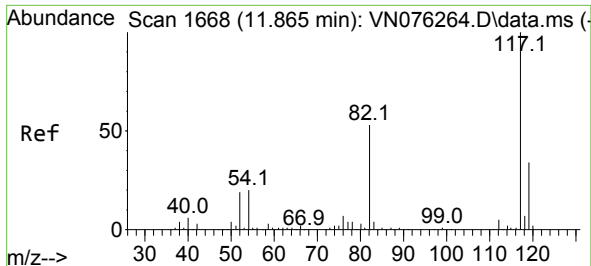
Tgt Ion: 43 Resp: 187734
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 48.051 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Tgt Ion: 95 Resp: 267754
Ion Ratio Lower Upper
95 100
174 80.2 0.0 174.6
176 76.3 0.0 167.8

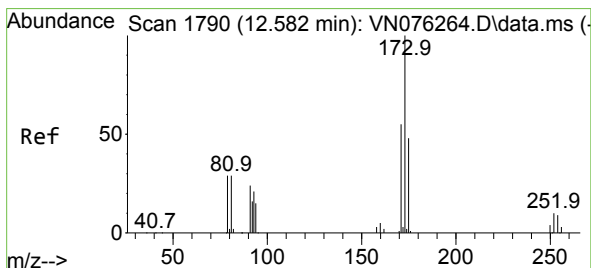
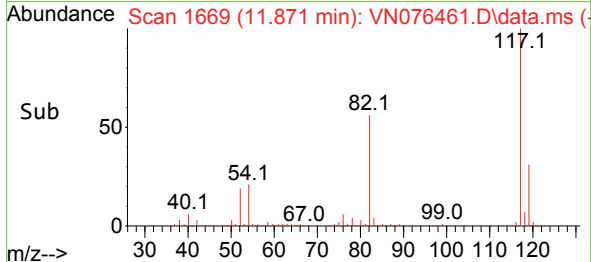
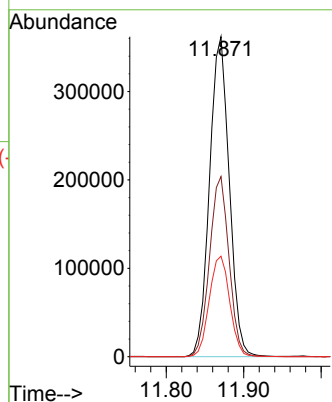
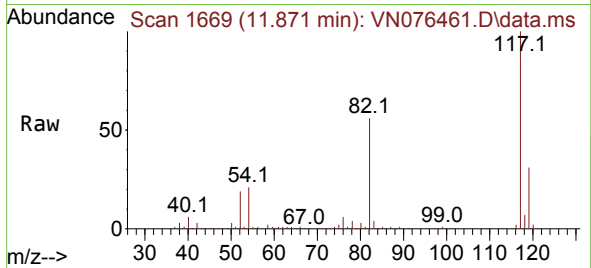




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

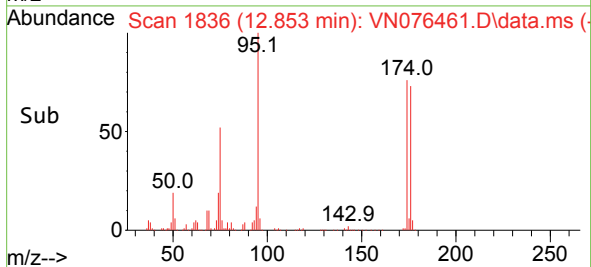
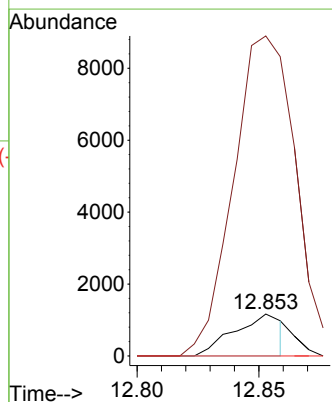
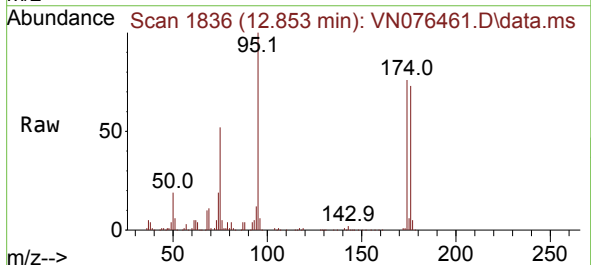
Instrument :
MSVOA_N
ClientSampleId :

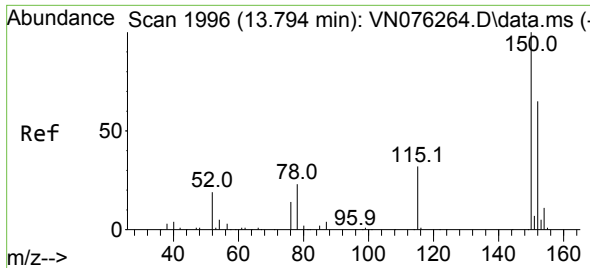
Tgt Ion:117 Resp: 639823
Ion Ratio Lower Upper
117 100
82 56.3 42.2 63.2
119 31.4 26.9 40.3



#71
Bromoform
Concen: 0.439 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

Tgt Ion:173 Resp: 1595
Ion Ratio Lower Upper
173 100
175 791.5 24.1 72.4#
254 0.0 0.0 0.0

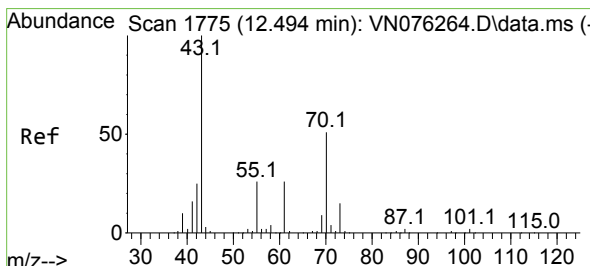
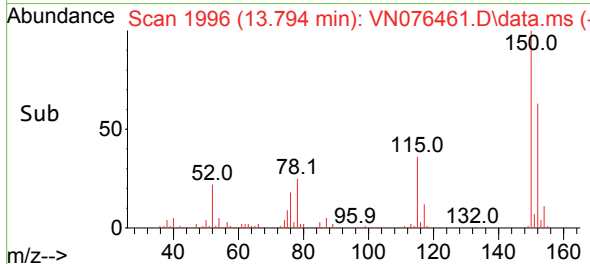
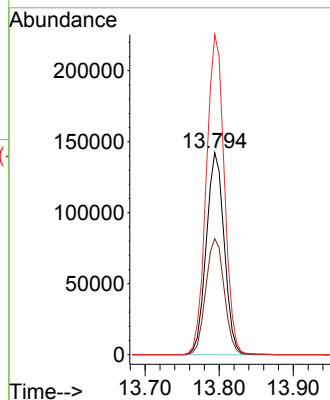
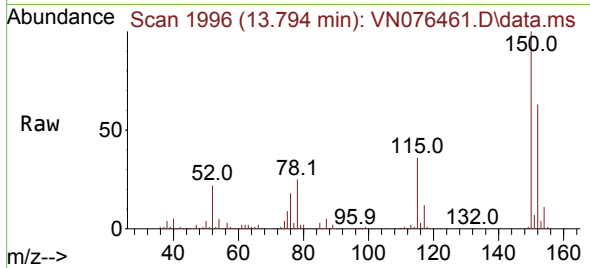




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076461.D
 Acq: 30 Jan 2023 16:53

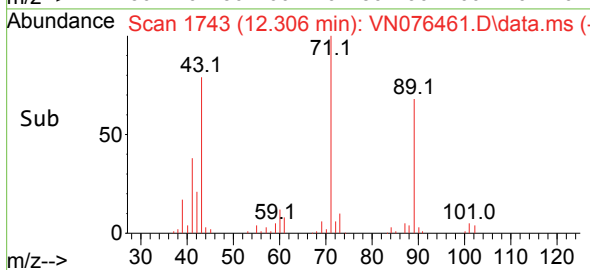
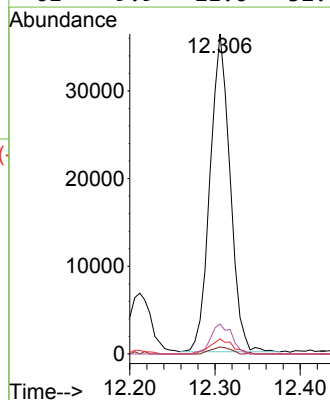
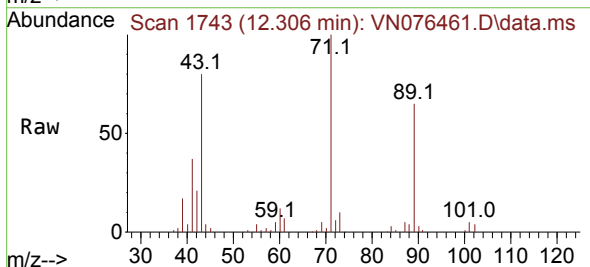
Instrument :
 MSVOA_N
 ClientSampleId :

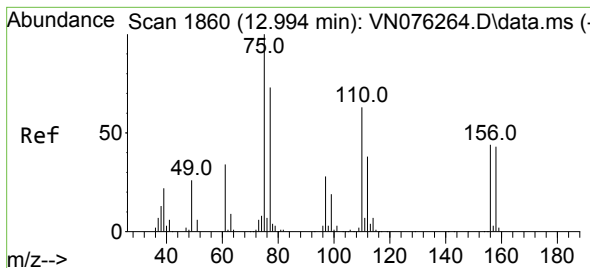
Tgt Ion:152 Resp: 239811
 Ion Ratio Lower Upper
 152 100
 115 59.1 29.6 88.9
 150 159.0 0.0 351.4



#74
 N-ethyl acetate
 Concen: 11.082 ug/l
 RT: 12.306 min Scan# 1743
 Delta R.T. -0.188 min
 Lab File: VN076461.D
 Acq: 30 Jan 2023 16:53

Tgt Ion: 43 Resp: 59140
 Ion Ratio Lower Upper
 43 100
 70 2.2 41.2 61.8#
 55 5.2 21.0 31.6#
 61 9.9 21.6 32.4#





#76

1,2,3-Trichloropropane

Concen: 32.303 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076461.D

Acq: 30 Jan 2023 16:53

Instrument :

MSVOA_N

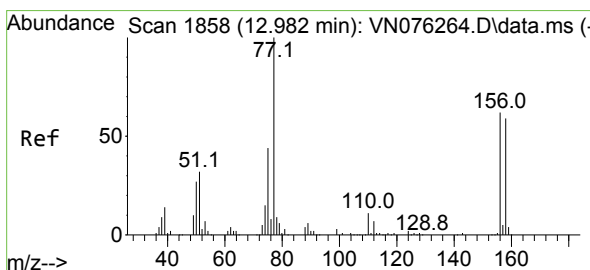
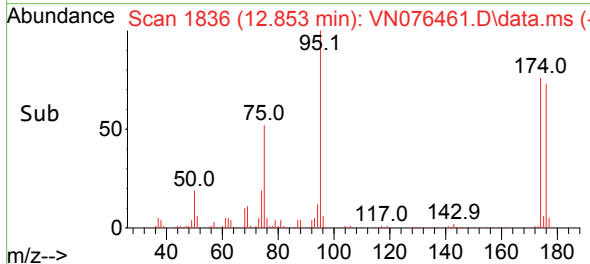
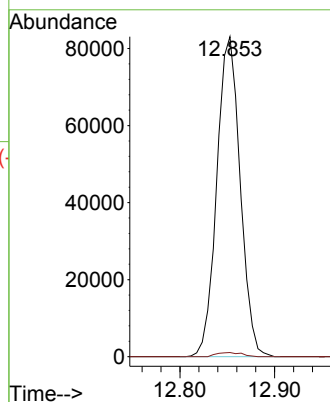
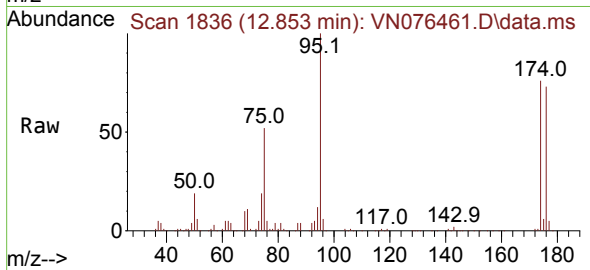
ClientSampleId :

Tgt Ion: 75 Resp: 142589

Ion Ratio Lower Upper

75 100

77 1.4 75.2 225.6#



#77

Bromobenzene

Concen: Below Cal

RT: 12.965 min Scan# 1855

Delta R.T. -0.017 min

Lab File: VN076461.D

Acq: 30 Jan 2023 16:53

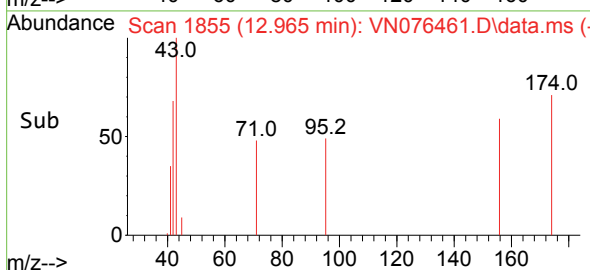
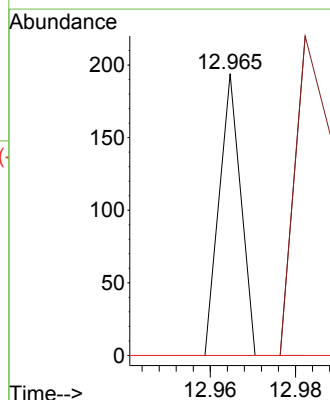
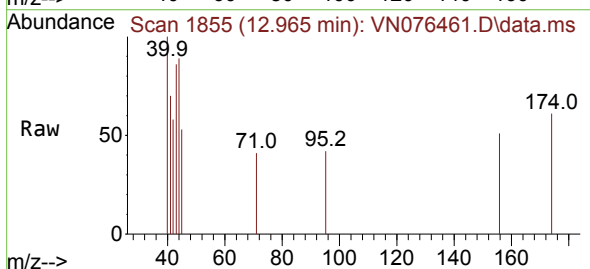
Tgt Ion:156 Resp: 68

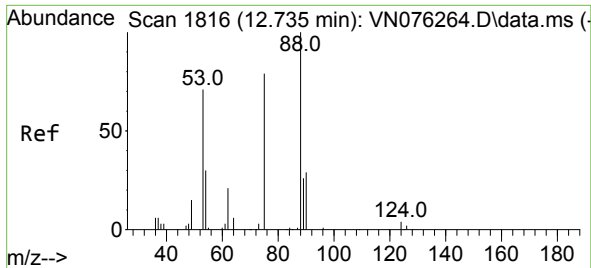
Ion Ratio Lower Upper

156 100

77 192.6 93.4 280.2

158 0.0 48.4 145.2#

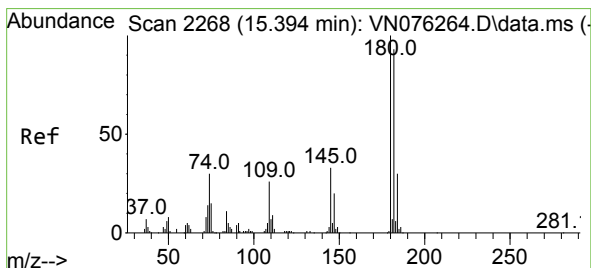
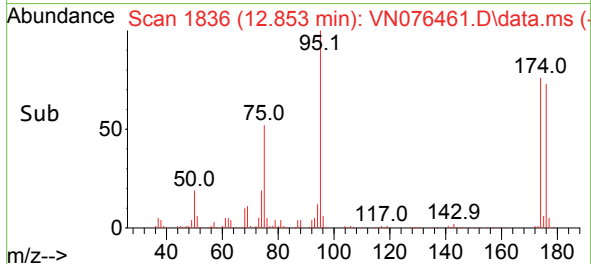
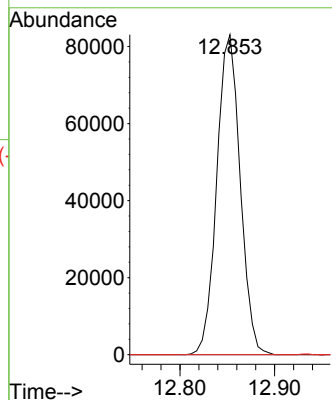
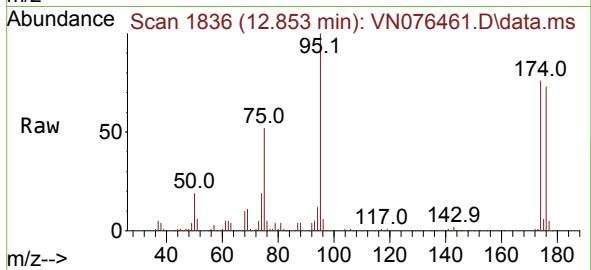




#81
trans-1,4-Dichloro-2-butene
Concen: 98.929 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

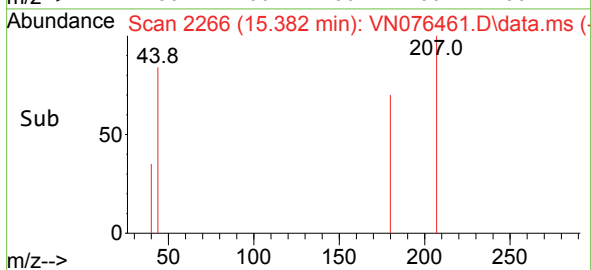
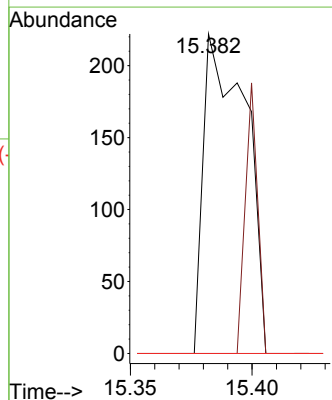
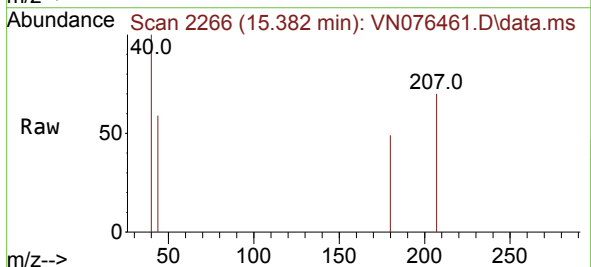
Instrument :
MSVOA_N
ClientSampleId :

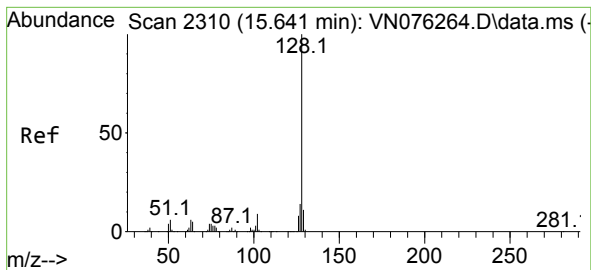
Tgt Ion: 75 Resp: 142589
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.367 ug/l
RT: 15.382 min Scan# 2266
Delta R.T. -0.012 min
Lab File: VN076461.D
Acq: 30 Jan 2023 16:53

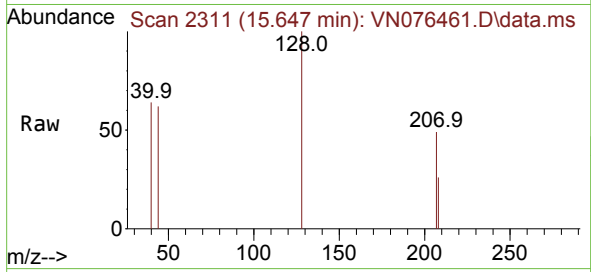
Tgt Ion: 180 Resp: 267
Ion Ratio Lower Upper
180 100
182 24.7 47.0 141.2#
145 0.0 15.2 45.5#





#95
 Naphthalene
 Concen: 1.908 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076461.D
 Acq: 30 Jan 2023 16:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	894
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

