

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076460.D
 Acq On : 30 Jan 2023 16:29
 Operator : JC\MD
 Sample : PB150523ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:41:51 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)

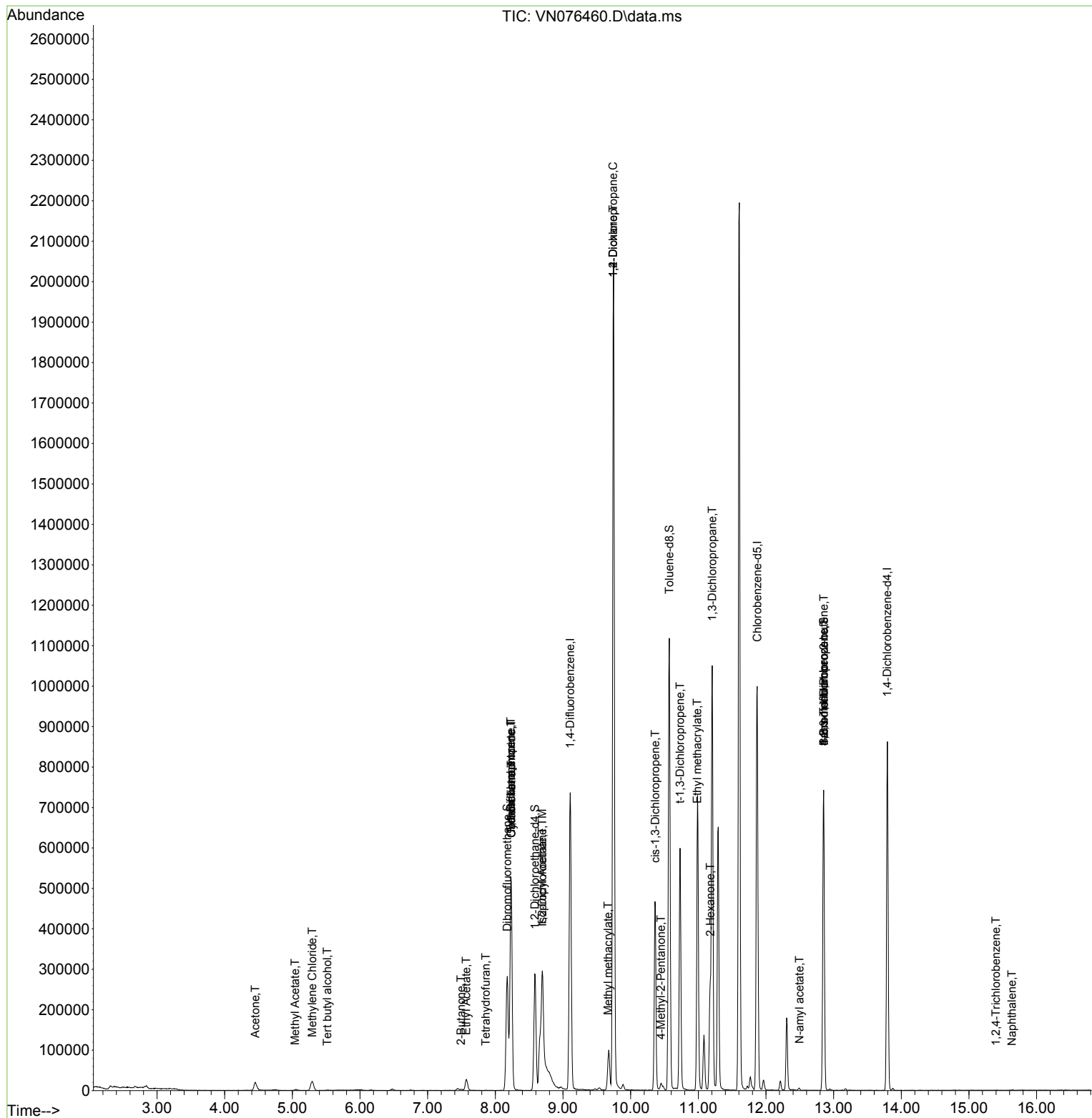
Internal Standards						
1) Pentafluorobenzene	8.230	168	390850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	662857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	596919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	231439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	240173	54.881	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.760%			
35) Dibromofluoromethane	8.177	113	202814	48.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.820%			
50) Toluene-d8	10.571	98	782418	51.094	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.853	95	249260	49.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.720%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	947	1.618	ug/l #	72
16) Acetone	4.453	43	37839	26.906	ug/l	97
18) Methyl Acetate	5.042	43	4871	1.025	ug/l #	62
20) Methylene Chloride	5.295	84	19055	4.036	ug/l	95
25) 2-Butanone	7.494	43	5046	2.355	ug/l #	83
29) Tetrahydrofuran	7.859	42	352	0.266	ug/l #	50
31) Cyclohexane	8.236	56	8426	1.253	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	30317	5.145	ug/l #	50
37) Ethyl Acetate	7.571	43	41765	8.868	ug/l	99
38) Carbon Tetrachloride	8.236	117	41743	6.353	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	2303	0.382	ug/l #	73
43) Isopropyl Acetate	8.694	43	530958	69.062	ug/l #	68
45) 1,2-Dichloropropane	9.741	63	2357	0.559	ug/l #	42
48) Methyl methacrylate	9.665	41	5797	1.593	ug/l #	34
49) 1,4-Dioxane	9.741	88	383	4.987	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	16485	3.653	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	1594	0.271	ug/l #	45
54) cis-1,3-Dichloropropene	10.365	75	91304	13.478	ug/l #	61
56) Ethyl methacrylate	10.982	69	2762	0.475	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11872	1.622	ug/l #	42
59) 2-Hexanone	11.177	43	185143	56.609	ug/l #	21
71) Bromoform	12.853	173	1623	0.479	ug/l #	1
74) N-amyl acetate	12.494	43	2512	0.488	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	134745	31.610	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	134745	96.869	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.400	180	94	1.328	ug/l #	62
95) Naphthalene	15.635	128	806	1.903	ug/l #	69

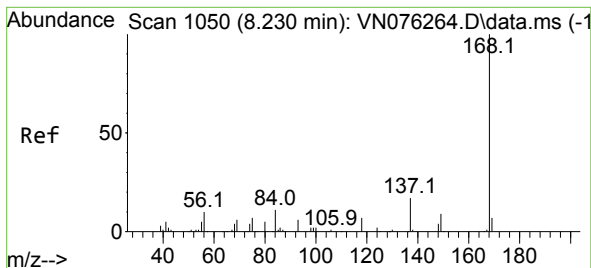
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
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Quant Title : SW846 8260
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Response via : Initial Calibration

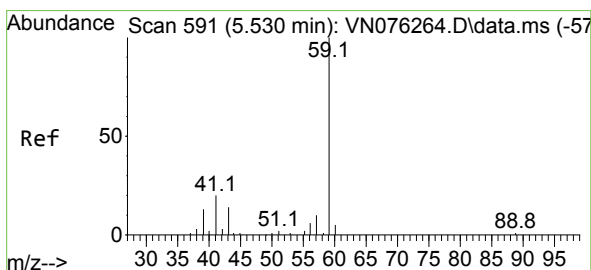
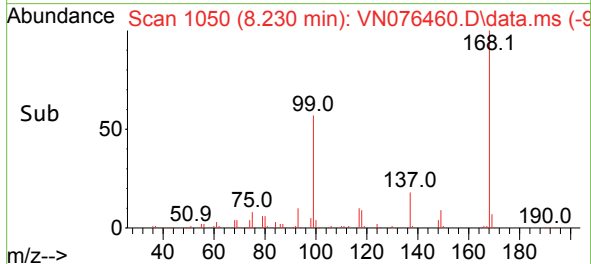
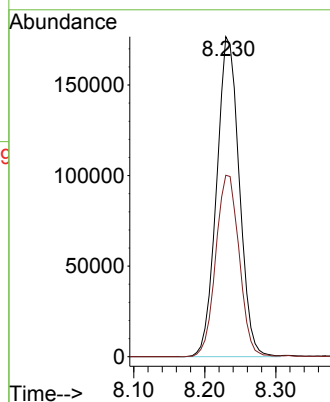
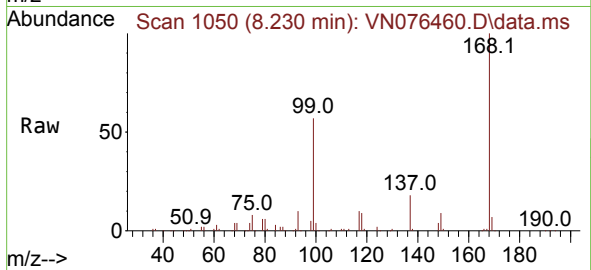




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

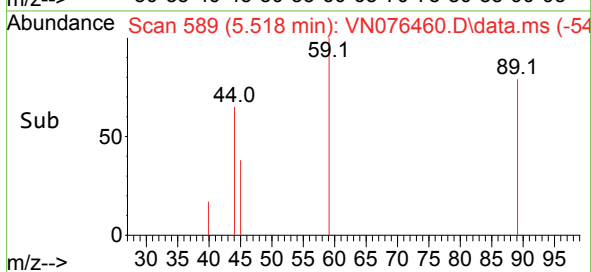
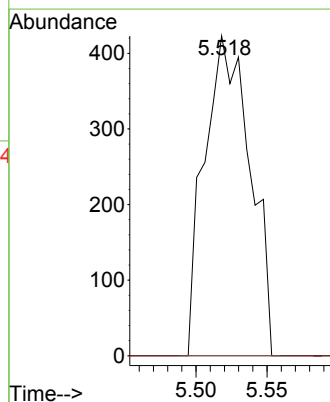
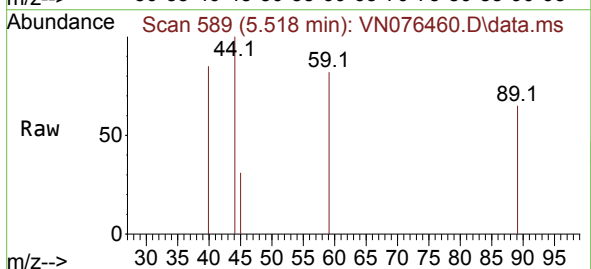
Instrument :
MSVOA_N
ClientSampleId :

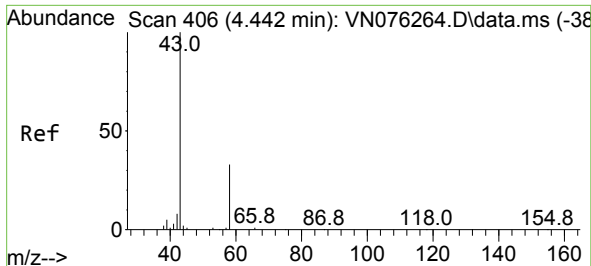
Tgt Ion:168 Resp: 390850
Ion Ratio Lower Upper
168 100
99 56.7 41.6 62.4



#11
Tert butyl alcohol
Concen: 1.618 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.012 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Tgt Ion: 59 Resp: 947
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

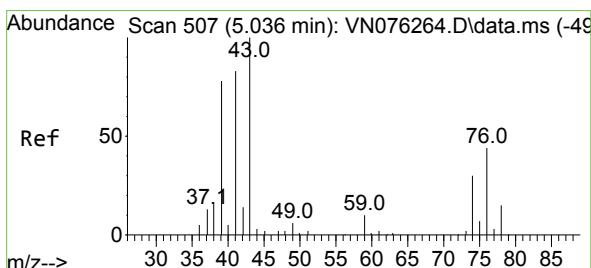
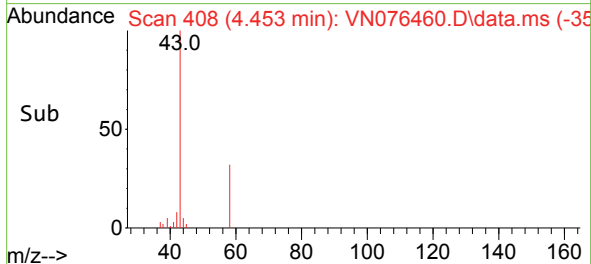
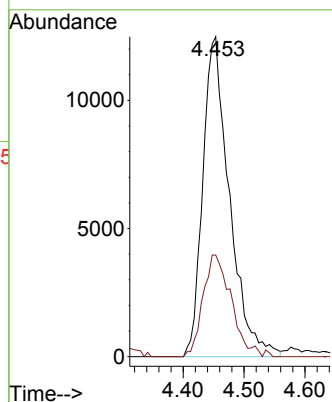
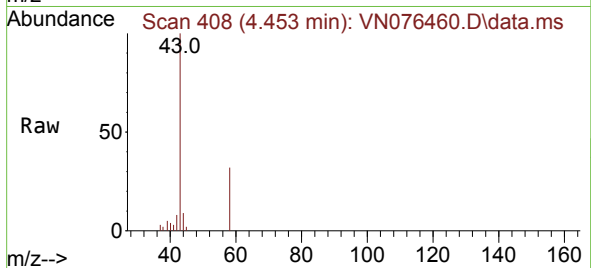




#16
Acetone
Concen: 26.906 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

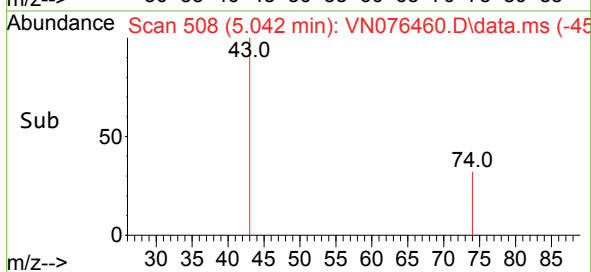
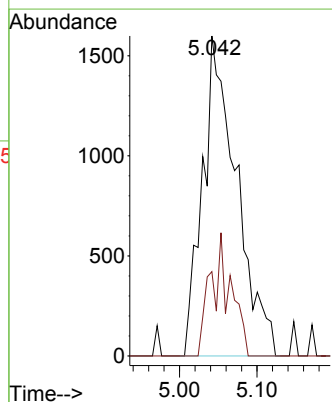
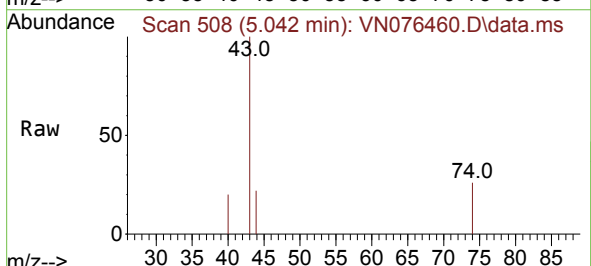
Instrument :
MSVOA_N
ClientSampleId :

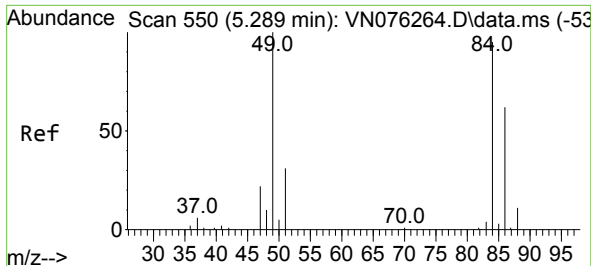
Tgt Ion: 43 Resp: 37839
Ion Ratio Lower Upper
43 100
58 31.7 26.7 40.1



#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

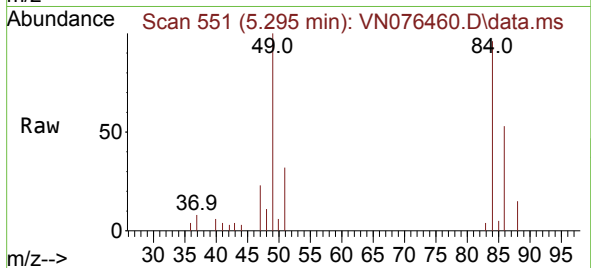
Tgt Ion: 43 Resp: 4871
Ion Ratio Lower Upper
43 100
74 9.0 23.3 34.9#



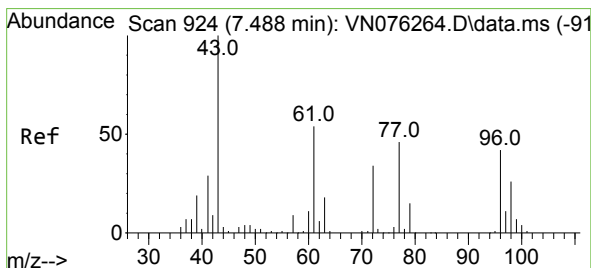
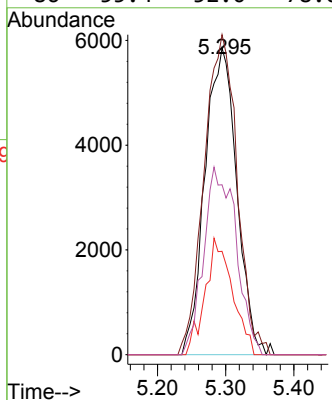


#20
Methylene Chloride
Concen: 4.036 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

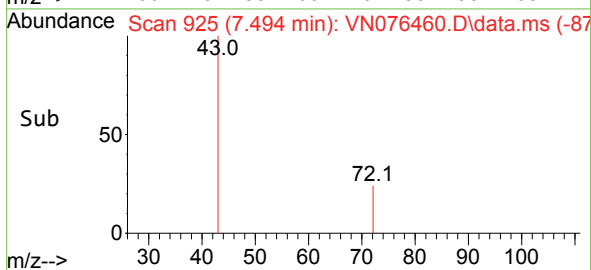
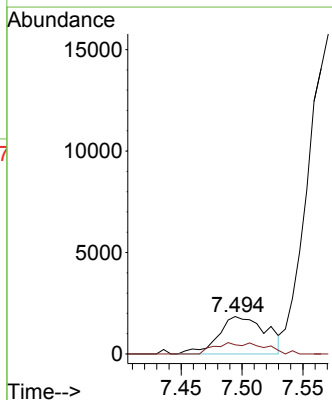
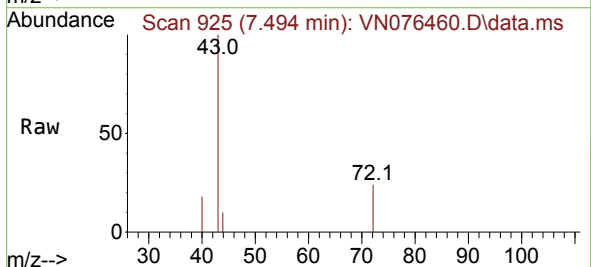


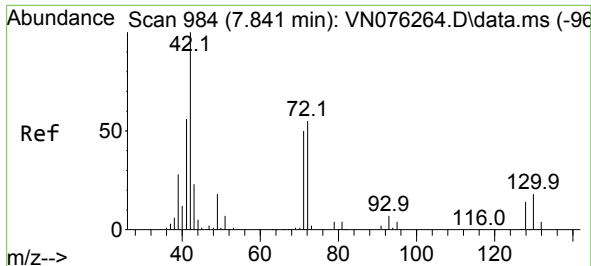
Tgt Ion: 84	Resp: 19055		
Ion	Ratio	Lower	Upper
84	100		
49	104.3	84.5	126.7
51	33.7	26.0	39.0
86	55.4	52.0	78.0



#25
2-Butanone
Concen: 2.355 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Tgt Ion: 43	Resp: 5046		
Ion Ratio	Lower	Upper	
43 100			
72 24.5	27.4	41.2#	





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

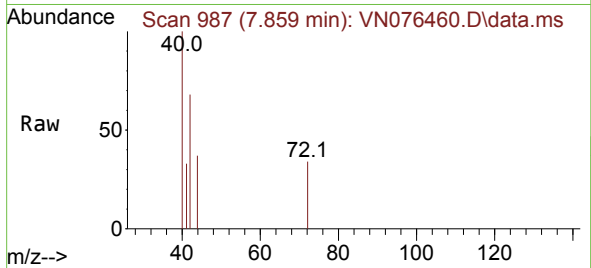
Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

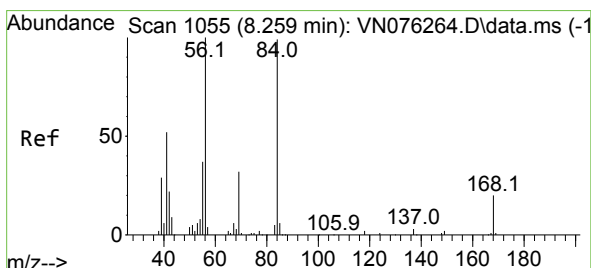
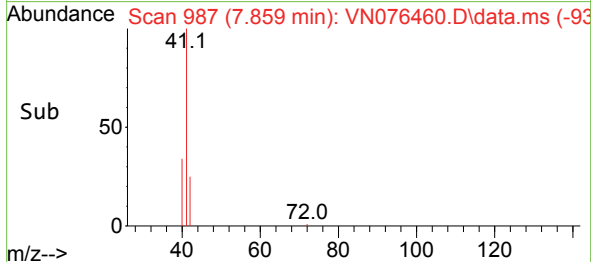
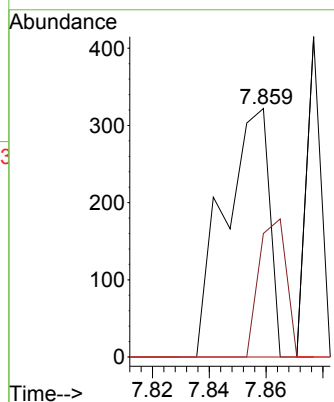
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	352
Ion	Ratio	Lower	Upper
42	100		
72	34.1	44.0	66.0#
71	0.0	41.1	61.7#



#31

Cyclohexane

Concen: 1.253 ug/l

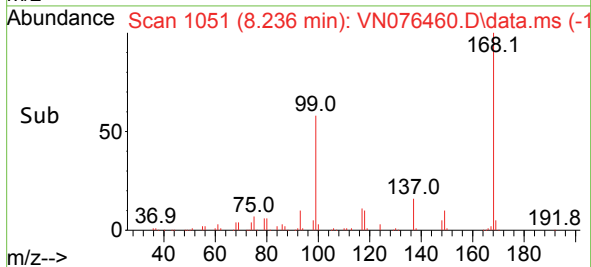
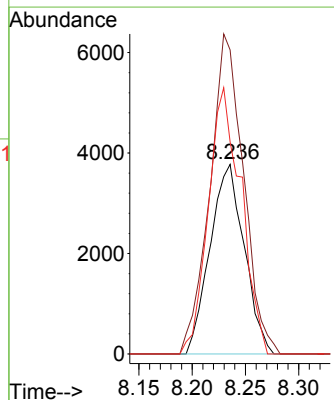
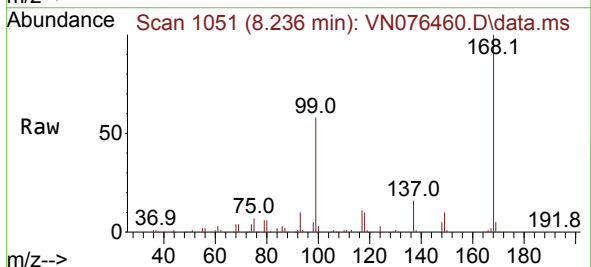
RT: 8.236 min Scan# 1051

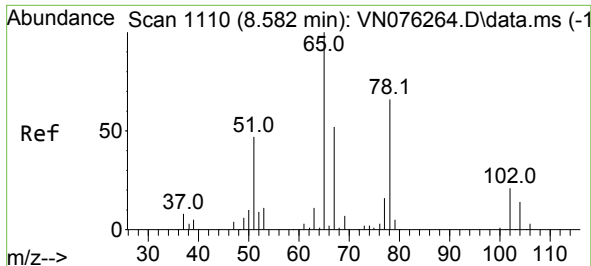
Delta R.T. -0.023 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Tgt Ion:	56	Resp:	8426
Ion	Ratio	Lower	Upper
56	100		
69	160.3	25.8	38.8#
84	111.8	79.0	118.4





#33

1,2-Dichloroethane-d4

Concen: 54.881 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Instrument :

MSVOA_N

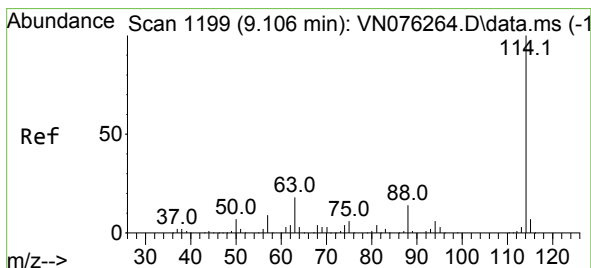
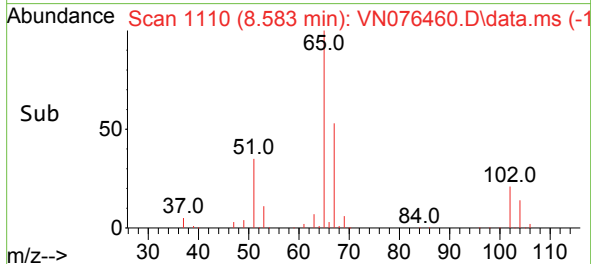
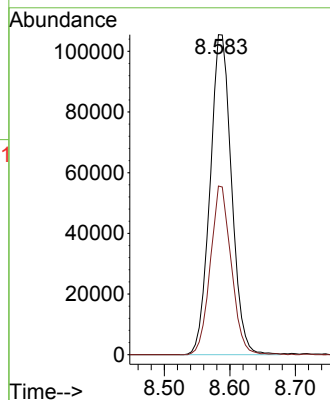
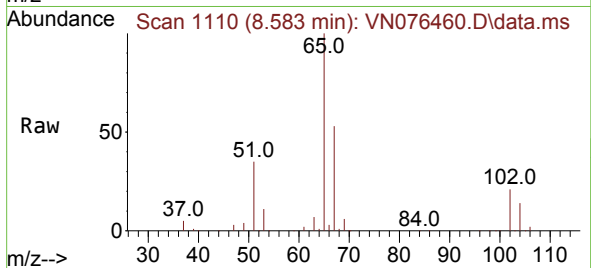
ClientSampleId :

Tgt Ion: 65 Resp: 240173

Ion Ratio Lower Upper

65 100

67 51.4 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: VN076460.D

Acq: 30 Jan 2023 16:29

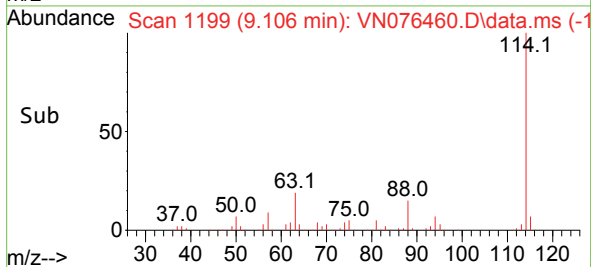
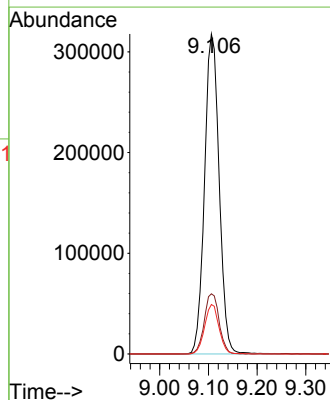
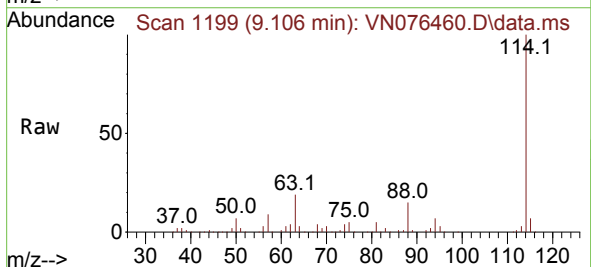
Tgt Ion: 114 Resp: 662857

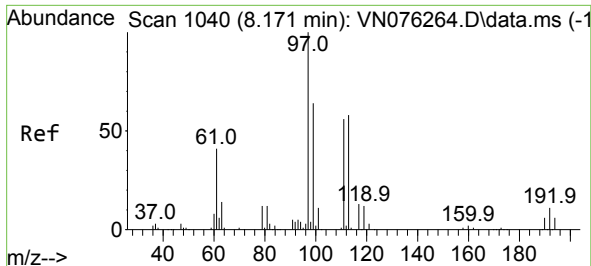
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.8

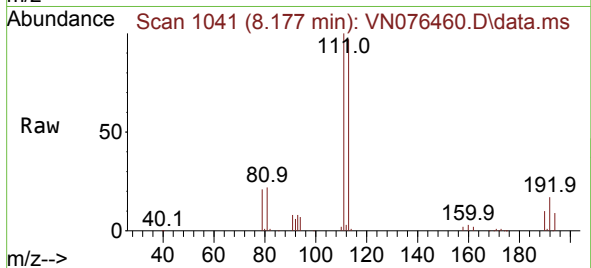
88 15.4 0.0 28.0



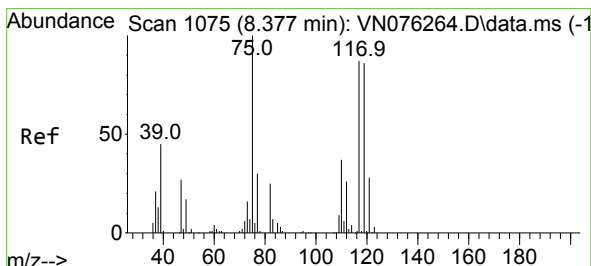
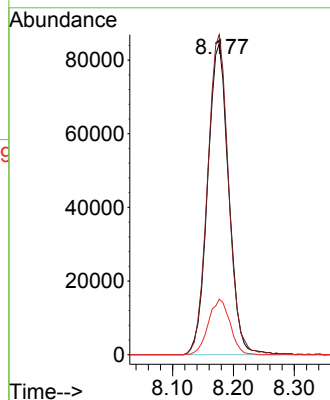
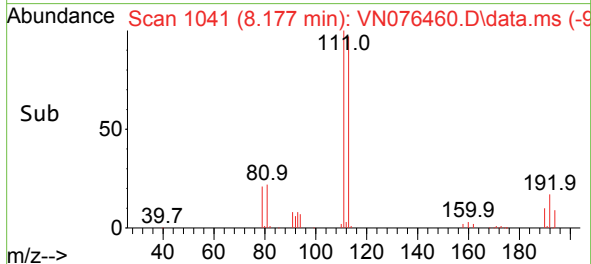


#35
Dibromofluoromethane
Concen: 48.913 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

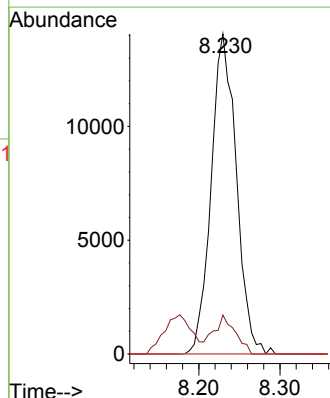
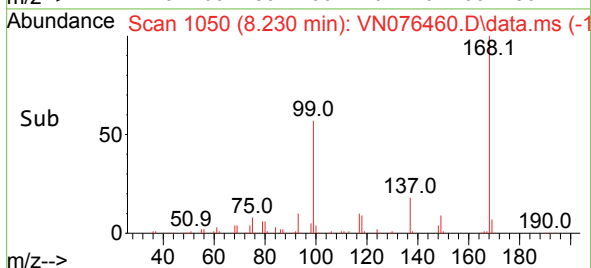
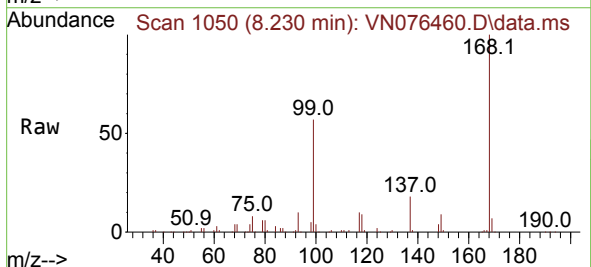


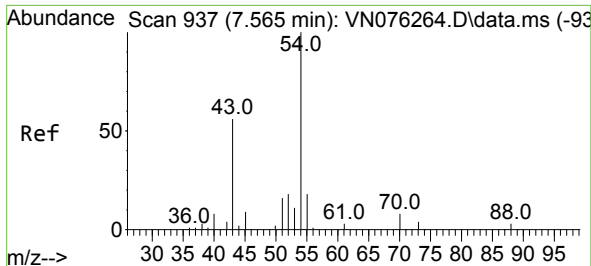
Tgt Ion:113 Resp: 202814
Ion Ratio Lower Upper
113 100
111 102.9 82.7 124.1
192 18.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.145 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Tgt Ion: 75 Resp: 30317
Ion Ratio Lower Upper
75 100
110 10.3 18.8 56.3#
77 0.0 25.0 37.4#

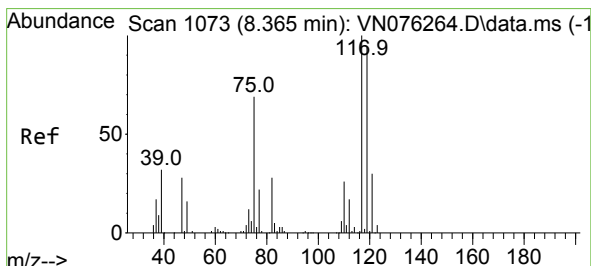
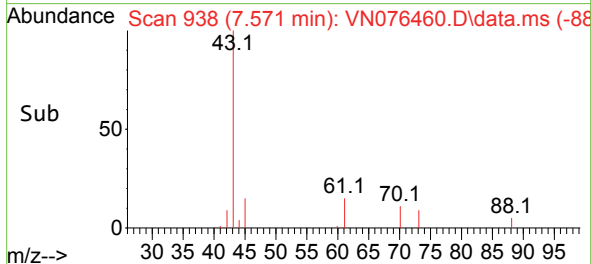
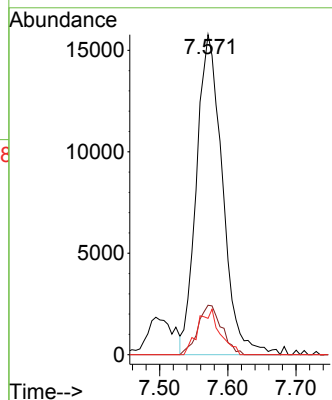
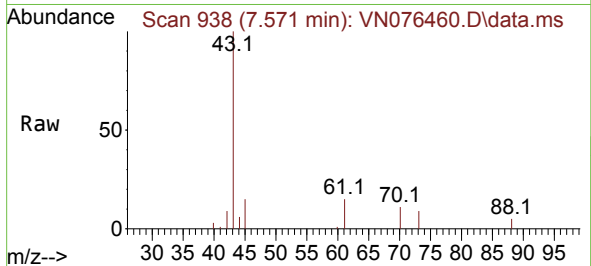




#37
Ethyl Acetate
Concen: 8.868 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

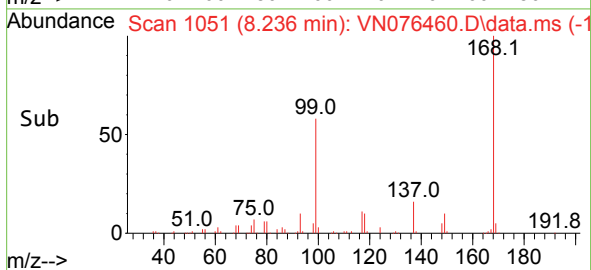
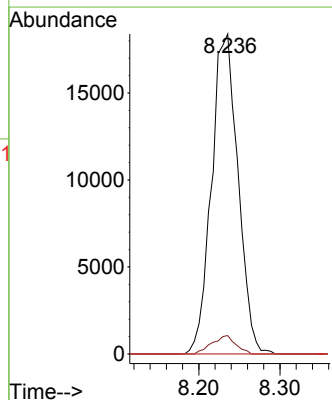
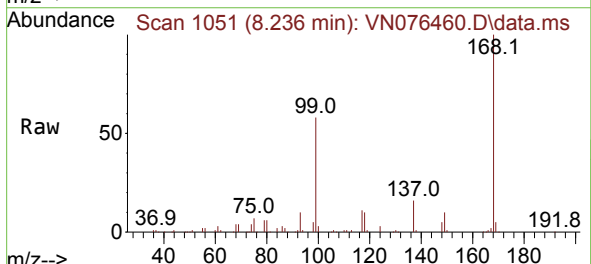
Instrument :
MSVOA_N
ClientSampleId :

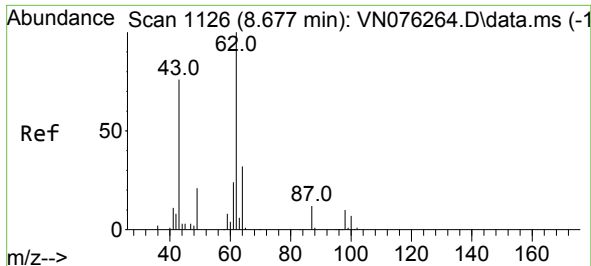
Tgt Ion: 43 Resp: 41765
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 12.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.353 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Tgt Ion: 117 Resp: 41743
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.382 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Instrument :

MSVOA_N

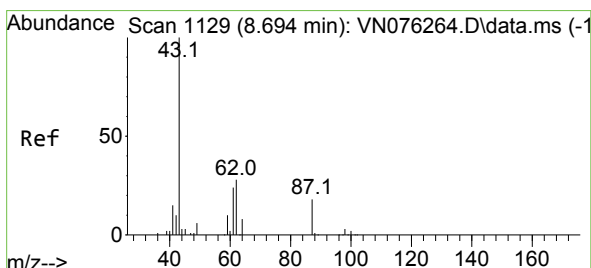
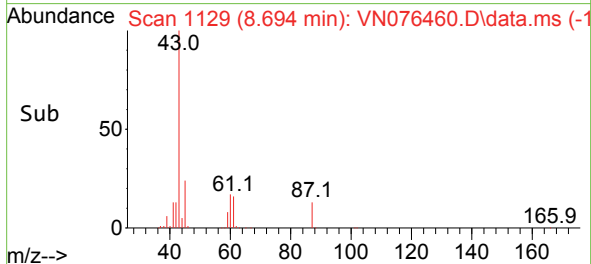
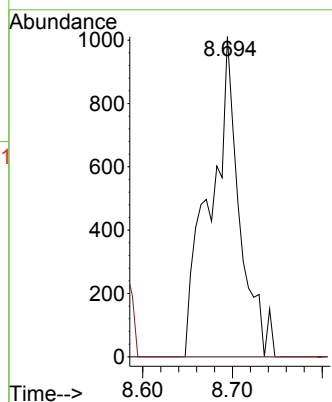
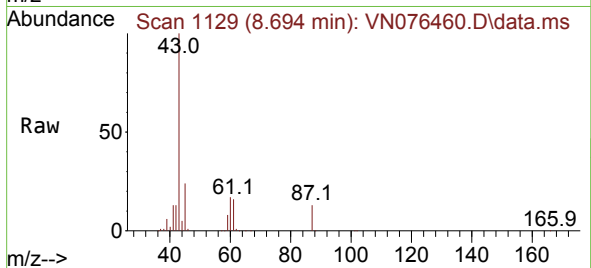
ClientSampleId :

Tgt Ion: 62 Resp: 2303

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 69.062 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

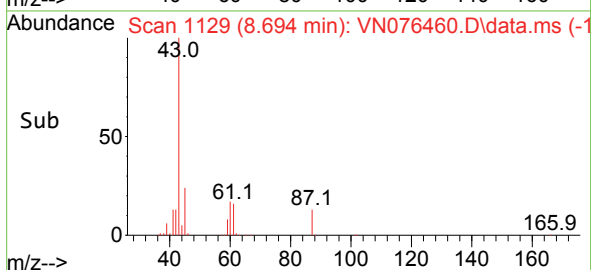
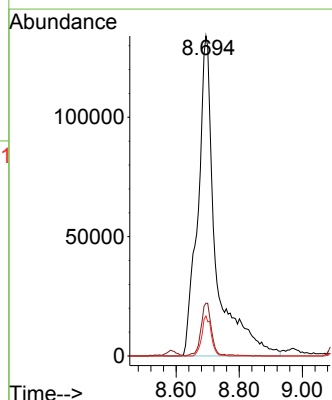
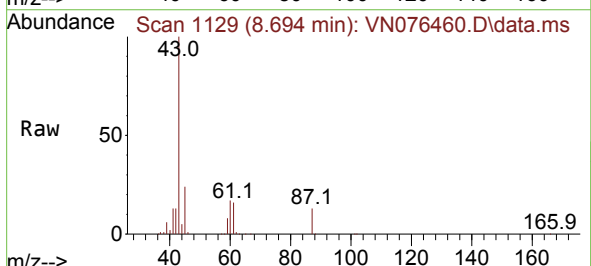
Tgt Ion: 43 Resp: 530958

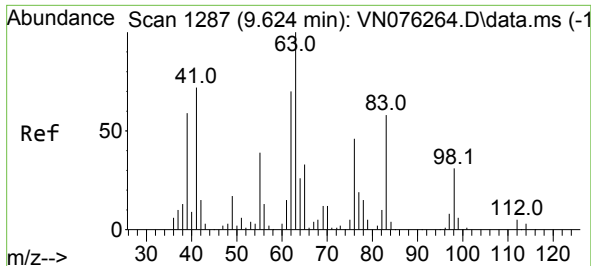
Ion Ratio Lower Upper

43 100

61 9.5 23.5 35.3#

87 6.6 13.8 20.6#





#45

1,2-Dichloropropane

Concen: 0.559 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Instrument :

MSVOA_N

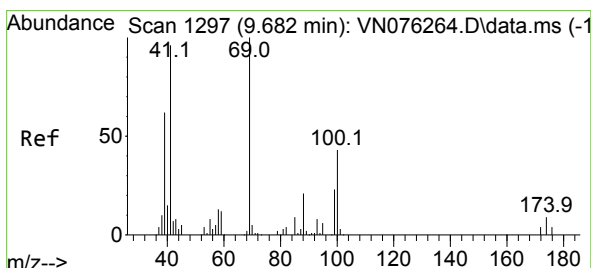
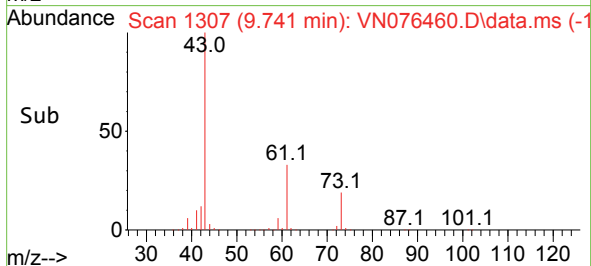
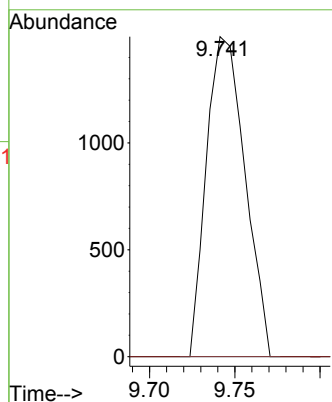
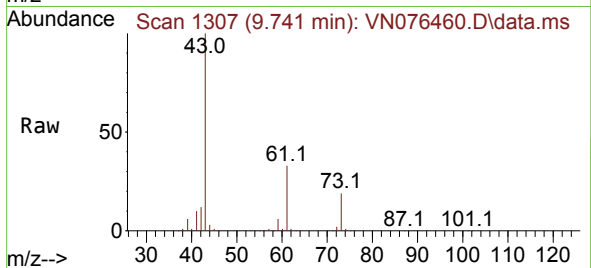
ClientSampleId :

Tgt Ion: 63 Resp: 2357

Ion Ratio Lower Upper

63 100

65 0.0 26.4 39.6#



#48

Methyl methacrylate

Concen: 1.593 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

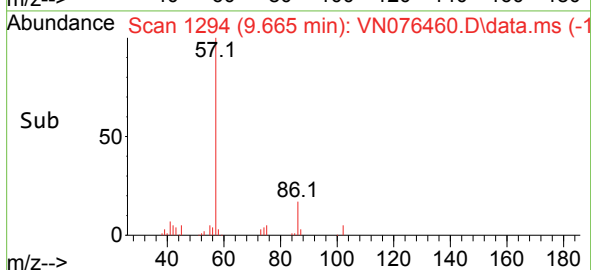
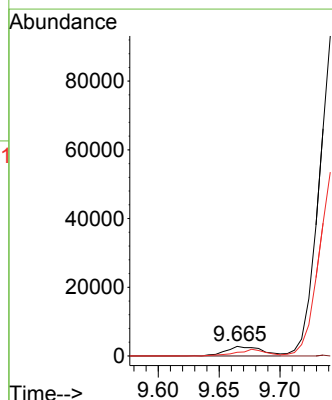
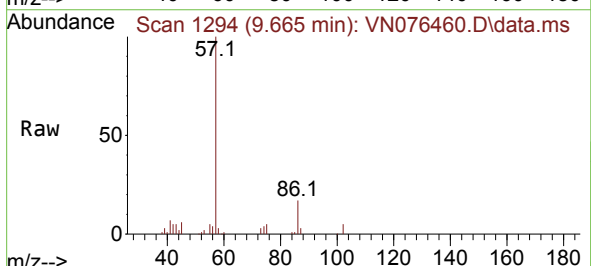
Tgt Ion: 41 Resp: 5797

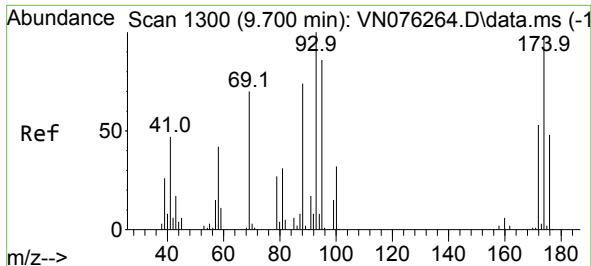
Ion Ratio Lower Upper

41 100

69 0.0 80.8 121.2#

39 55.7 54.4 81.6





#49

1,4-Dioxane

Concen: 4.987 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

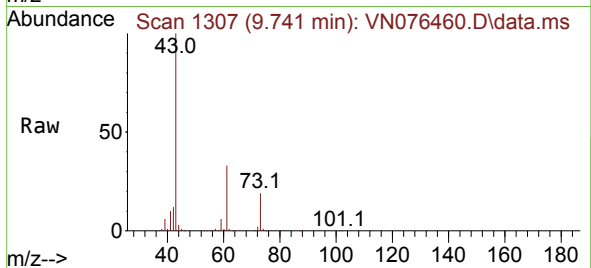
Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :



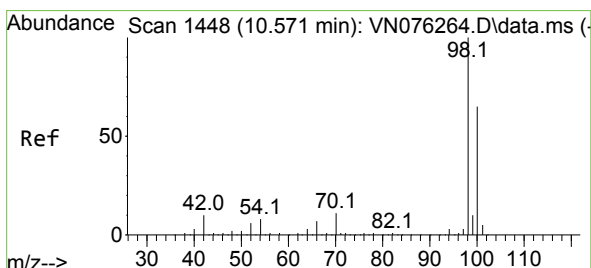
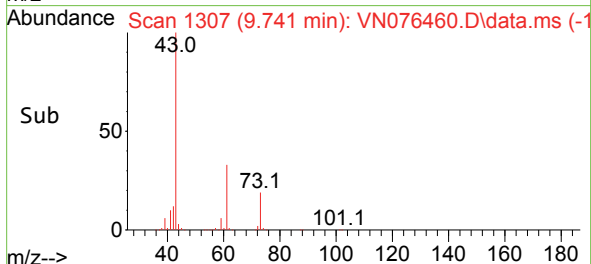
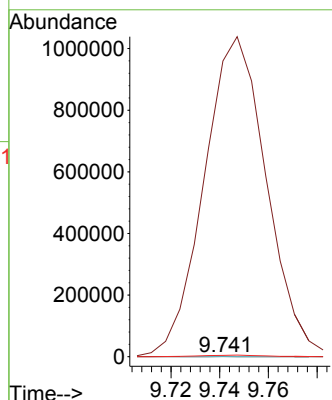
Tgt Ion: 88 Resp: 383

Ion Ratio Lower Upper

88 100

43 488046.0 18.1 27.1#

58 2428.5 46.5 69.7#



#50

Toluene-d8

Concen: 51.094 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076460.D

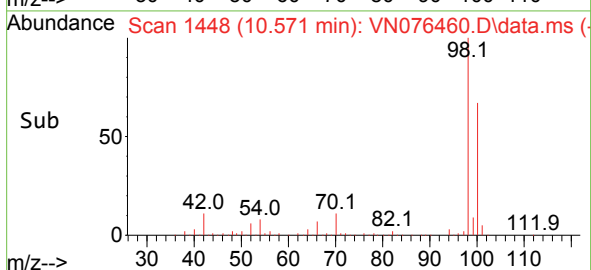
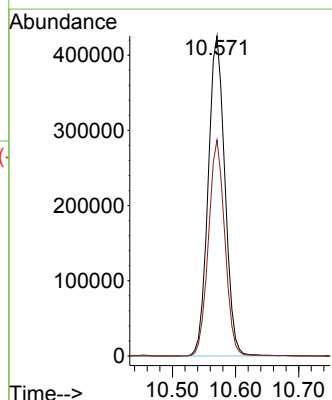
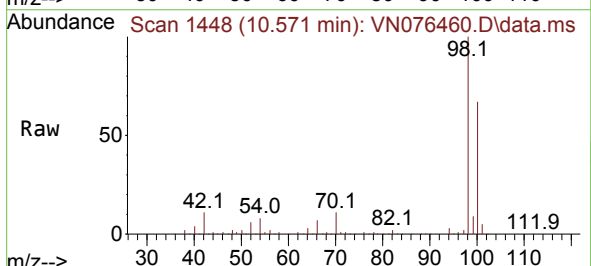
Acq: 30 Jan 2023 16:29

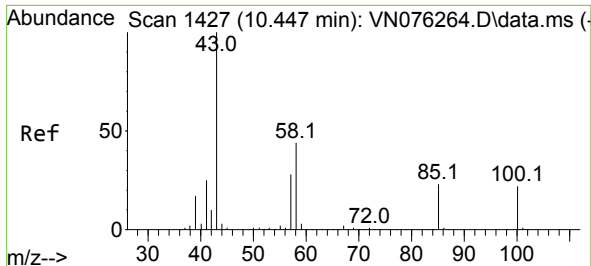
Tgt Ion: 98 Resp: 782418

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 3.653 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Instrument :

MSVOA_N

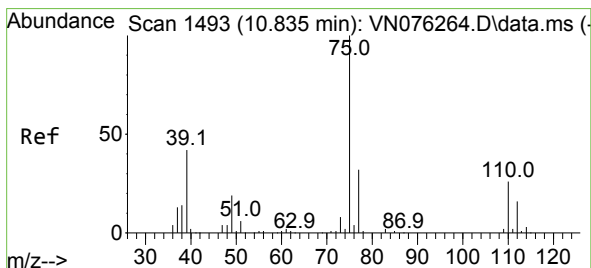
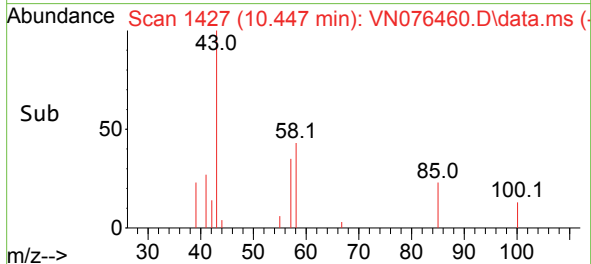
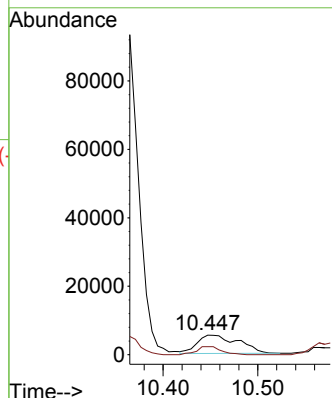
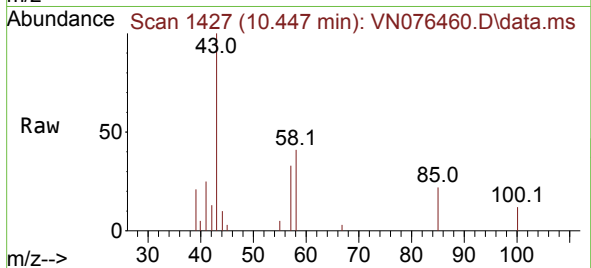
ClientSampleId :

Tgt Ion: 43 Resp: 16485

Ion Ratio Lower Upper

43 100

58 26.1 35.1 52.7#



#53

t-1,3-Dichloropropene

Concen: 0.271 ug/l

RT: 10.729 min Scan# 1475

Delta R.T. -0.106 min

Lab File: VN076460.D

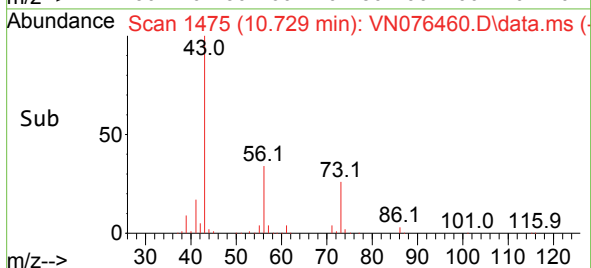
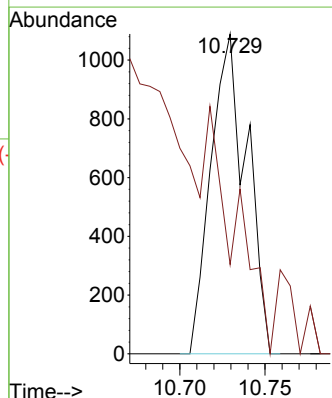
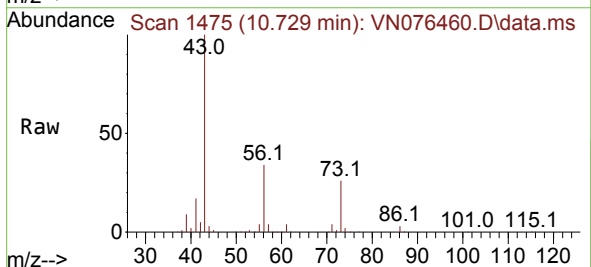
Acq: 30 Jan 2023 16:29

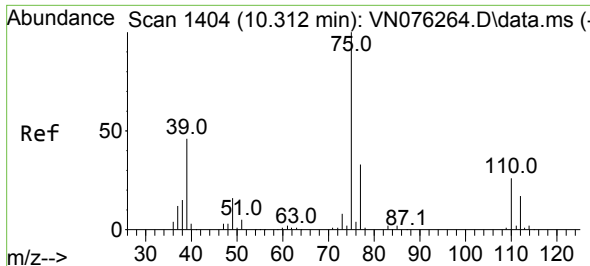
Tgt Ion: 75 Resp: 1594

Ion Ratio Lower Upper

75 100

77 1.7 25.8 38.6#

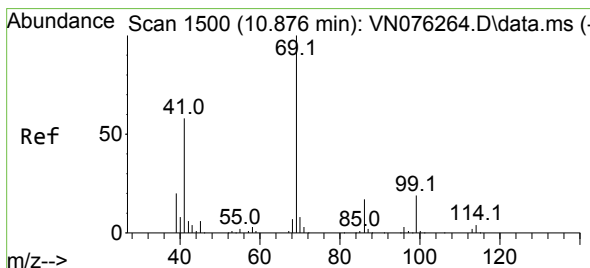
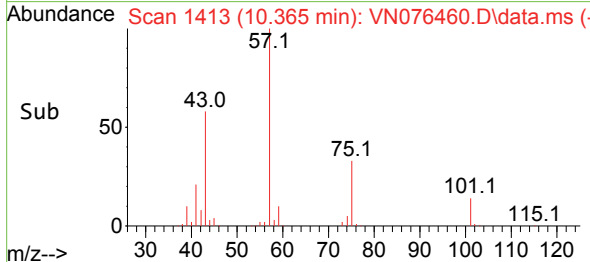
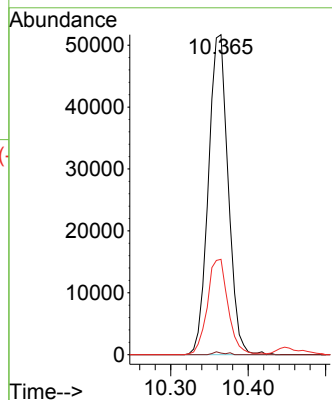
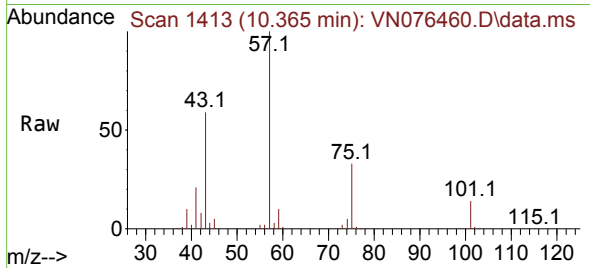




#54
 cis-1,3-Dichloropropene
 Concen: 13.478 ug/l
 RT: 10.365 min Scan# 1404
 Delta R.T. 0.053 min
 Lab File: VN076460.D
 Acq: 30 Jan 2023 16:29

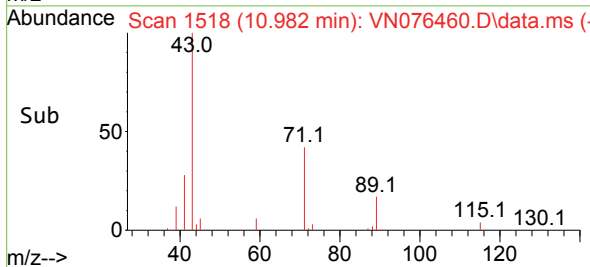
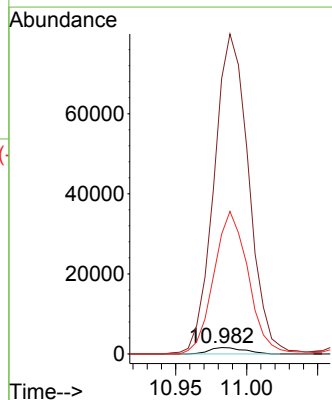
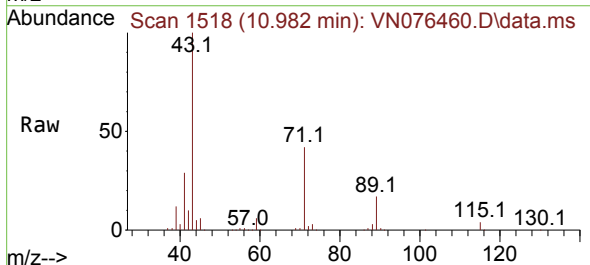
Instrument :
 MSVOA_N
 ClientSampleId :

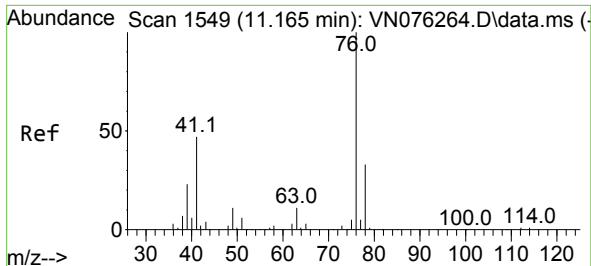
Tgt Ion: 75 Resp: 91304
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.5 39.7#
 39 29.8 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 0.475 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.106 min
 Lab File: VN076460.D
 Acq: 30 Jan 2023 16:29

Tgt Ion: 69 Resp: 2762
 Ion Ratio Lower Upper
 69 100
 41 4937.3 45.3 67.9#
 39 2186.5 29.3 43.9#





#57

1,3-Dichloropropane

Concen: 1.622 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Instrument :

MSVOA_N

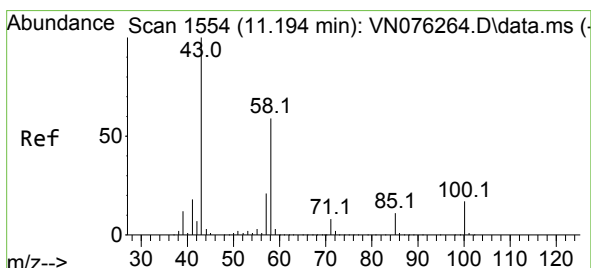
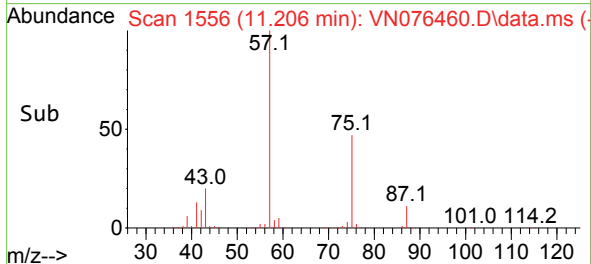
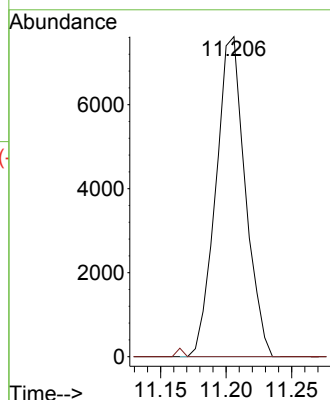
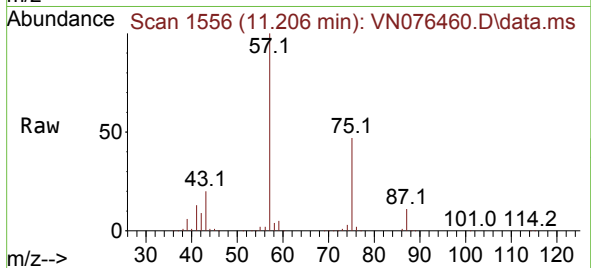
ClientSampleId :

Tgt Ion: 76 Resp: 11872

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 56.609 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.018 min

Lab File: VN076460.D

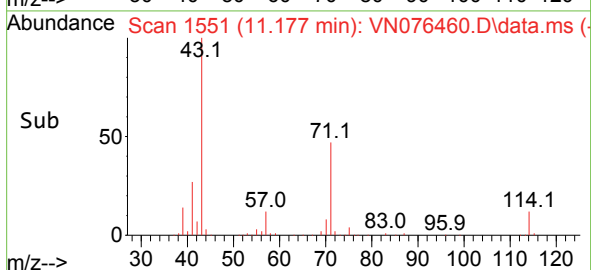
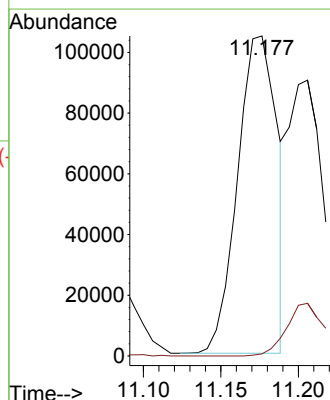
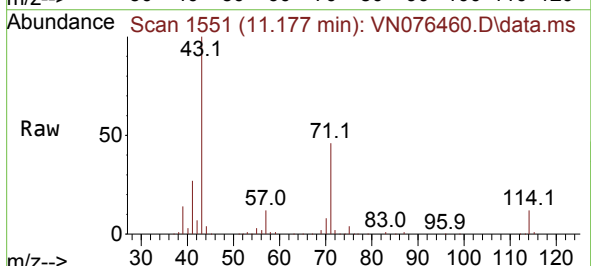
Acq: 30 Jan 2023 16:29

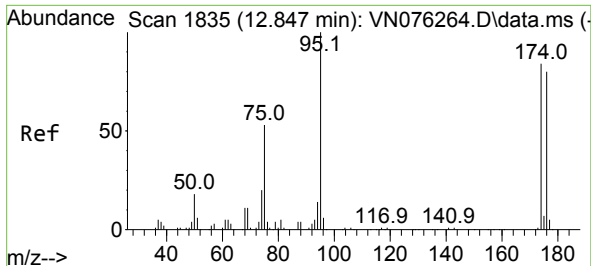
Tgt Ion: 43 Resp: 185143

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.3#

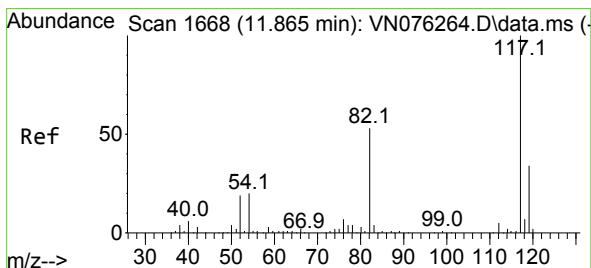
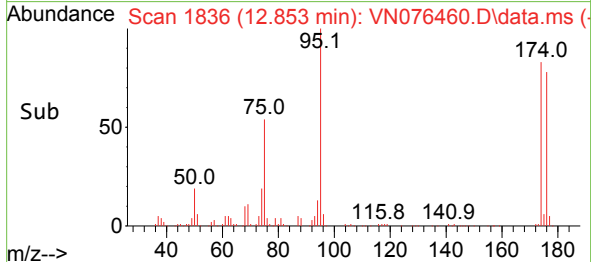
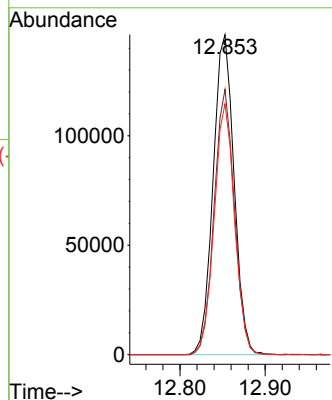
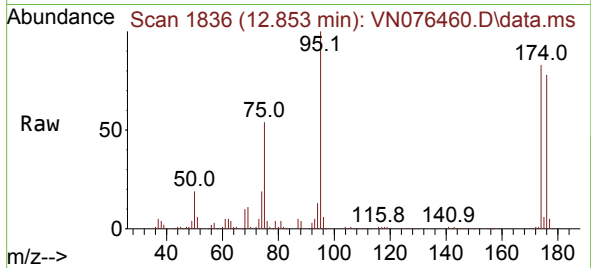




#62
4-Bromofluorobenzene
Concen: 49.861 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

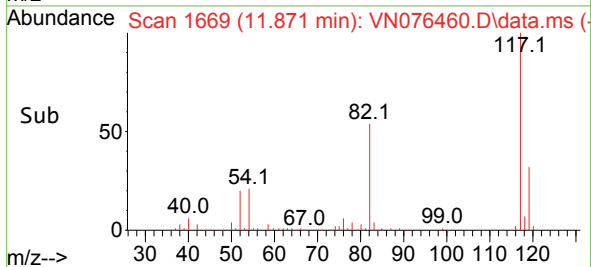
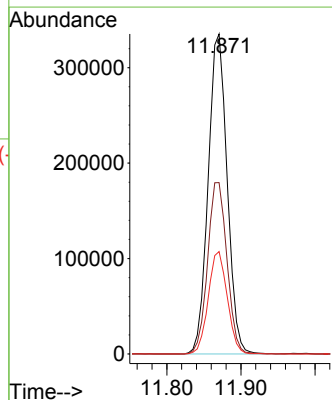
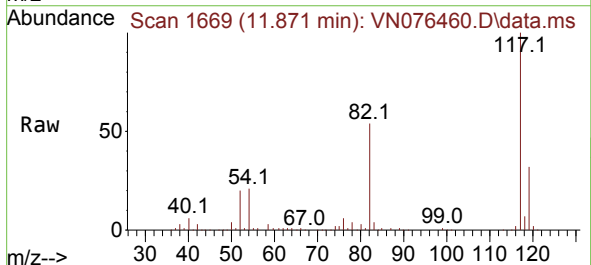
Instrument :
MSVOA_N
ClientSampleId :

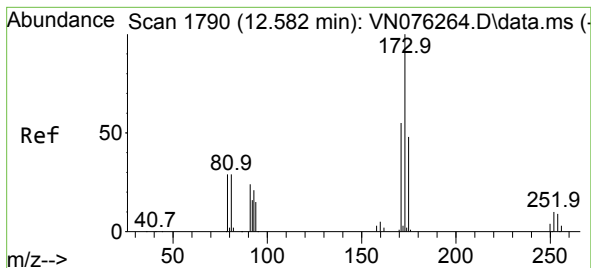
Tgt Ion: 95 Resp: 249260
Ion Ratio Lower Upper
95 100
174 80.6 0.0 174.6
176 76.2 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Tgt Ion: 117 Resp: 596919
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.2
119 32.0 26.9 40.3





#71

Bromoform

Concen: 0.479 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

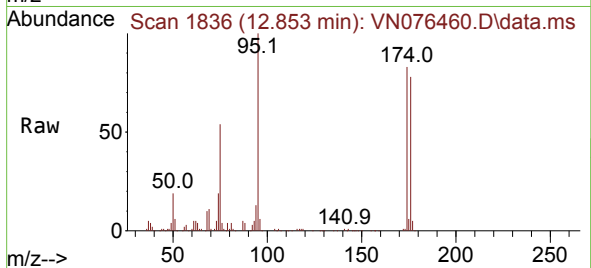
Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

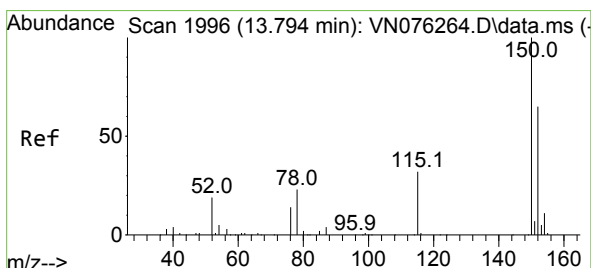
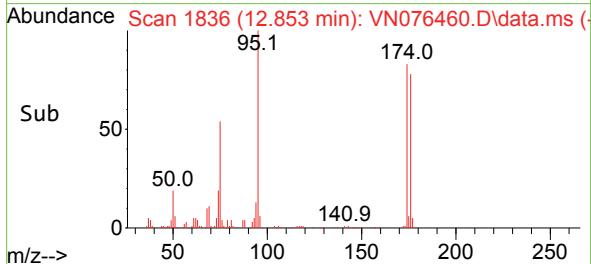
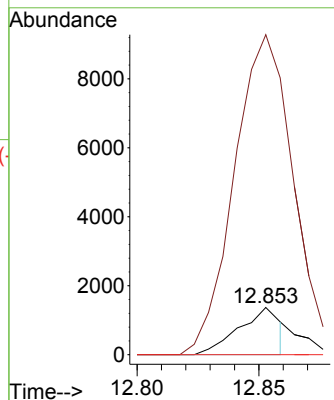
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1623
Ion Ratio	Lower	Upper	
173	100		
175	781.8	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

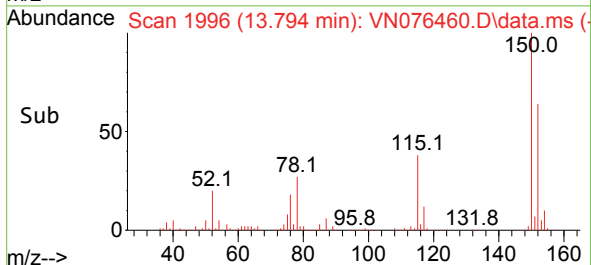
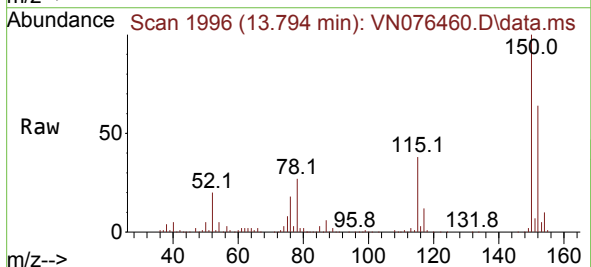
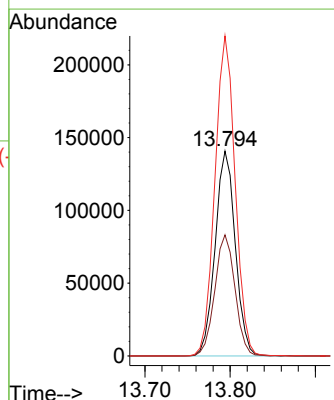
RT: 13.794 min Scan# 1996

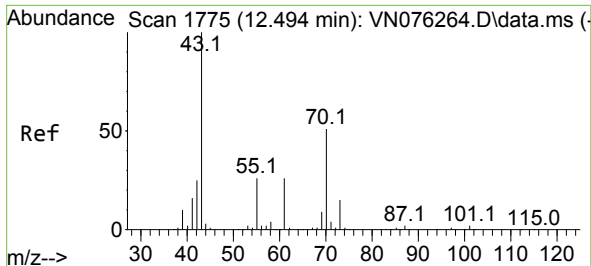
Delta R.T. -0.000 min

Lab File: VN076460.D

Acq: 30 Jan 2023 16:29

Tgt Ion:	152	Resp:	231439
Ion Ratio	Lower	Upper	
152	100		
115	59.3	29.6	88.9
150	156.6	0.0	351.4

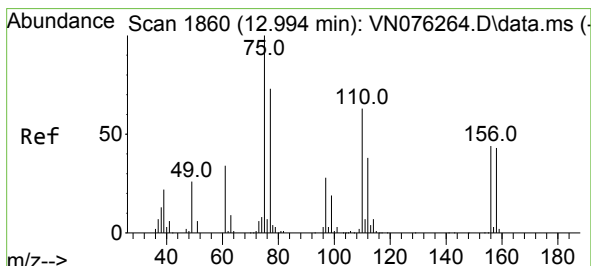
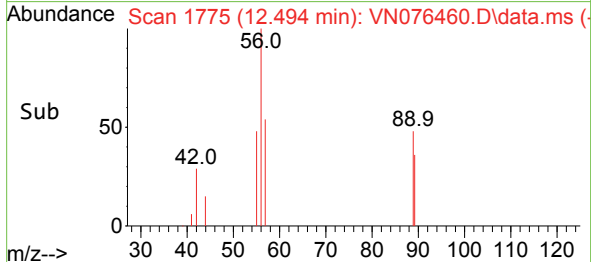
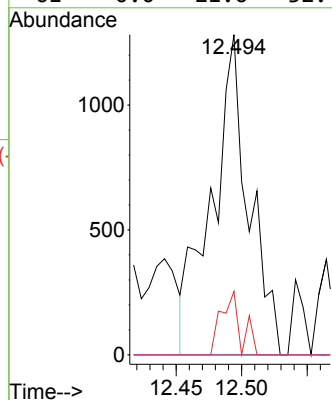
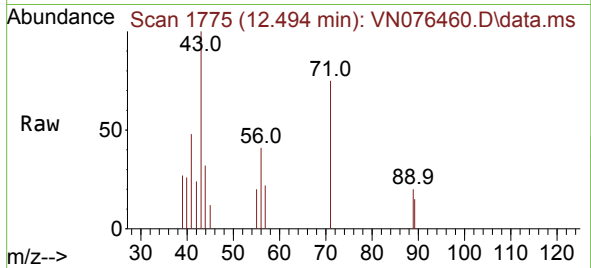




#74
N-amy1 acetate
Concen: 0.488 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

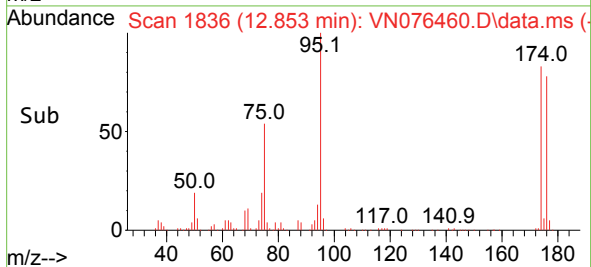
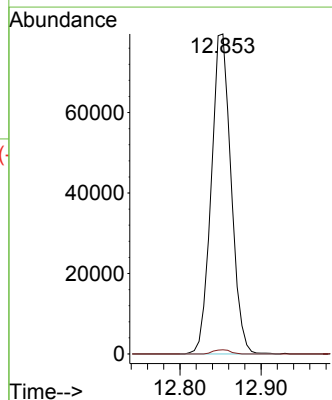
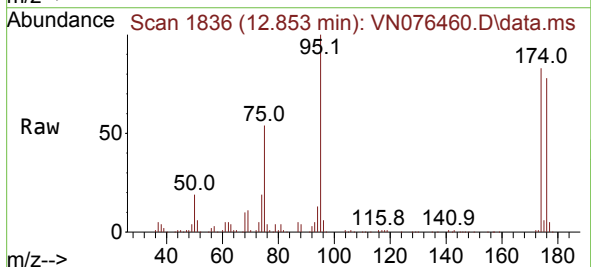
Instrument :
MSVOA_N
ClientSampleId :

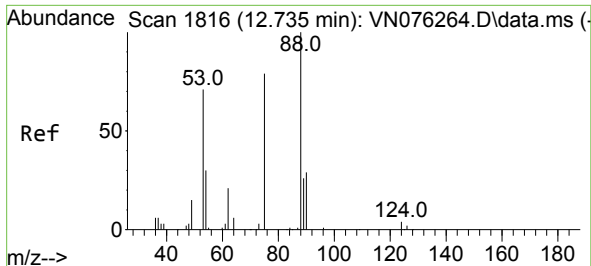
Tgt Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 10.6 21.0 31.6#
61 0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 31.610 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

Tgt Ion: 75 Resp: 134745
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#

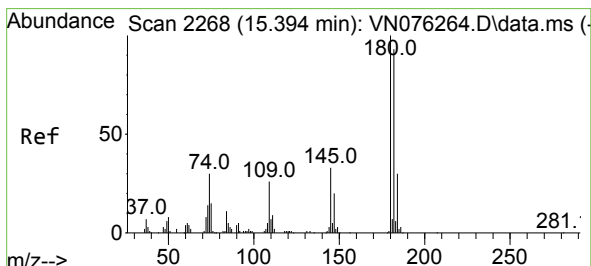
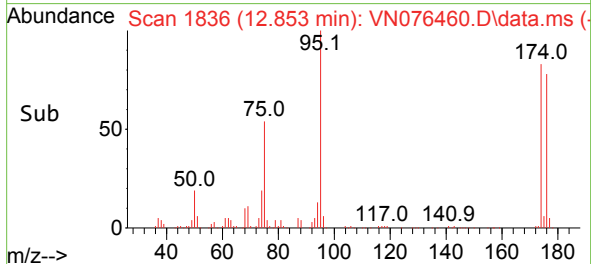
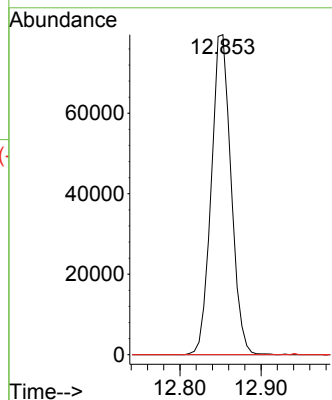
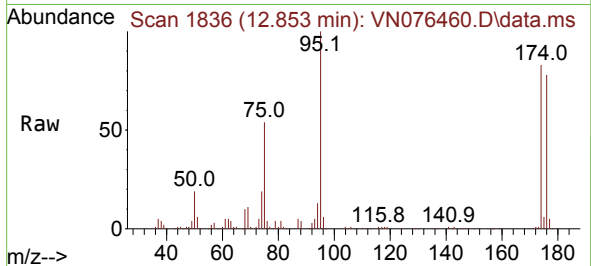




#81
trans-1,4-Dichloro-2-butene
Concen: 96.869 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

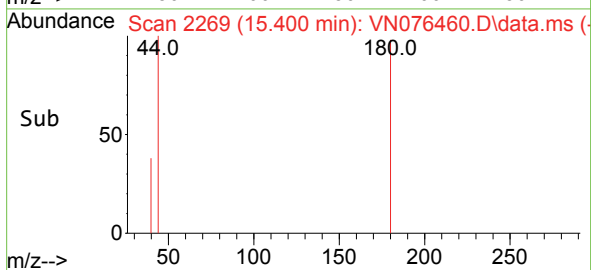
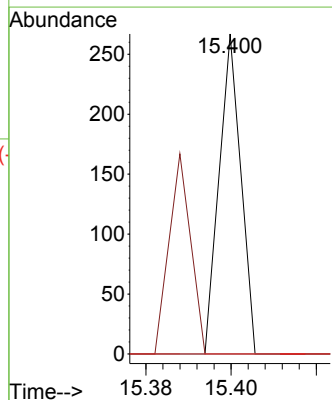
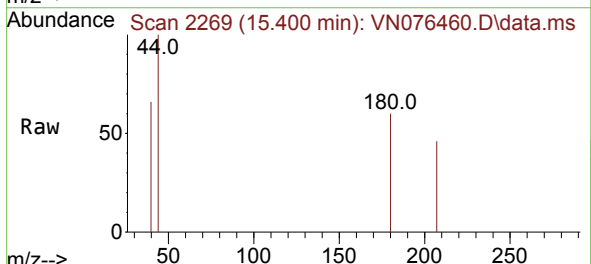
Instrument :
MSVOA_N
ClientSampleId :

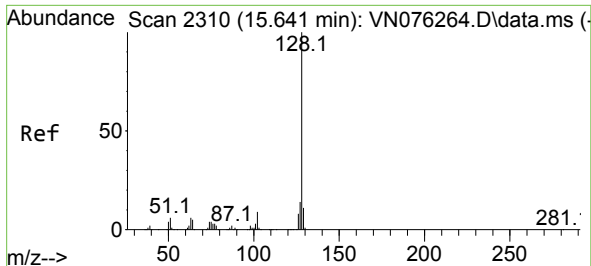
Tgt Ion: 75 Resp: 134745
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.328 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN076460.D
Acq: 30 Jan 2023 16:29

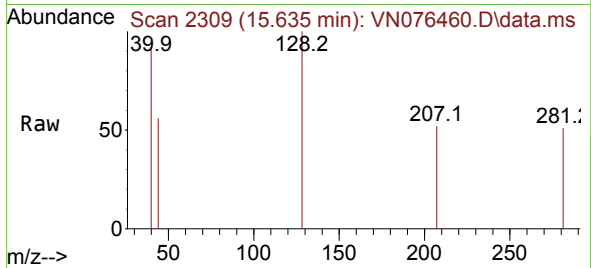
Tgt Ion:180 Resp: 94
Ion Ratio Lower Upper
180 100
182 62.8 47.0 141.2
145 0.0 15.2 45.5#





#95
 Naphthalene
 Concen: 1.903 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076460.D
 Acq: 30 Jan 2023 16:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 806
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#

