

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076468.D
 Acq On : 30 Jan 2023 19:42
 Operator : JC\MD
 Sample : 01329-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:45:48 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)

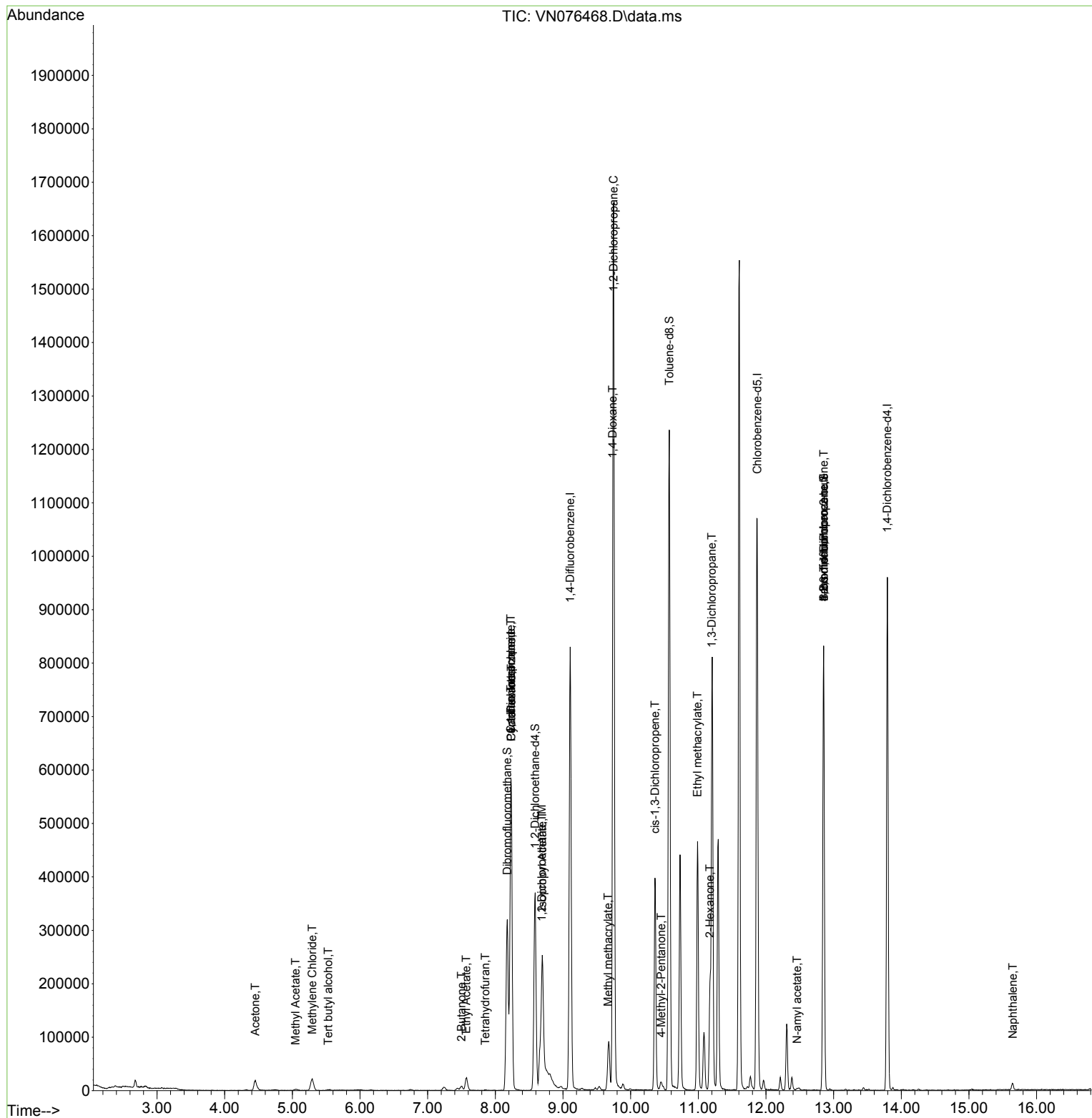
Internal Standards						
1) Pentafluorobenzene	8.236	168	435966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	736218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	655468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	255806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	316390	64.815	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 129.620%#	
35) Dibromofluoromethane	8.177	113	224930	48.841	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.680%	
50) Toluene-d8	10.571	98	867427	51.001	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.853	95	270389	48.698	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	1373	2.103	ug/l #	72
16) Acetone	4.453	43	36076	22.987	ug/l	91
18) Methyl Acetate	5.048	43	2567	0.484	ug/l #	88
20) Methylene Chloride	5.295	84	17560	3.229	ug/l	93
25) 2-Butanone	7.500	43	12381	5.180	ug/l	97
29) Tetrahydrofuran	7.853	42	694	0.470	ug/l #	32
31) Cyclohexane	8.236	56	9664	1.289	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	33198	5.073	ug/l #	50
37) Ethyl Acetate	7.571	43	36994	7.079	ug/l	98
38) Carbon Tetrachloride	8.230	117	46187	6.329	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2138	0.319	ug/l #	73
43) Isopropyl Acetate	8.694	43	352132	41.238	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	2219	0.474	ug/l #	42
48) Methyl methacrylate	9.665	41	6250	1.546	ug/l #	36
49) 1,4-Dioxane	9.735	88	204	2.392	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	16365	3.265	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	74285	9.873	ug/l #	60
56) Ethyl methacrylate	10.988	69	2029	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8954	1.102	ug/l #	42
59) 2-Hexanone	11.171	43	169194	46.578	ug/l #	21
71) Bromoform	12.853	173	1771	0.476	ug/l #	1
74) N-amyl acetate	12.459	43	3046	0.535	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	147178	31.226	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	147178	95.728	ug/l #	11
95) Naphthalene	15.647	128	12306	2.731	ug/l #	95

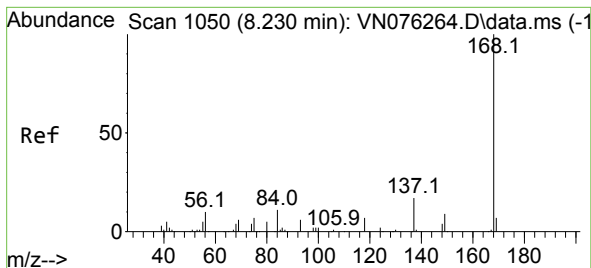
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Instrument :

MSVOA_N

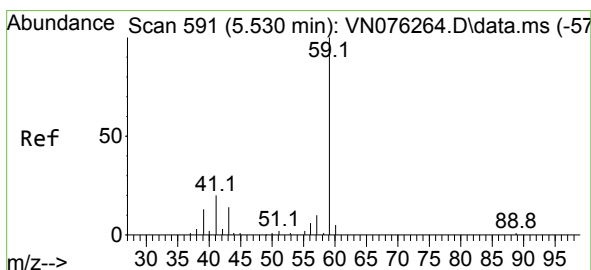
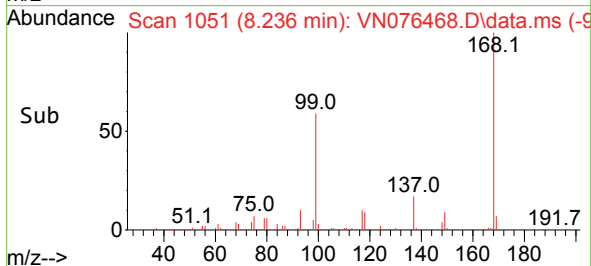
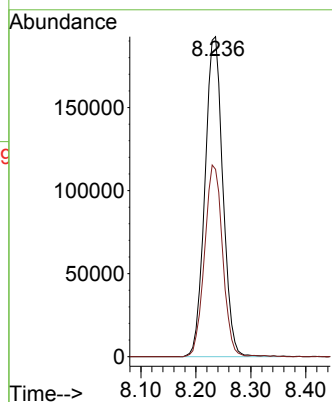
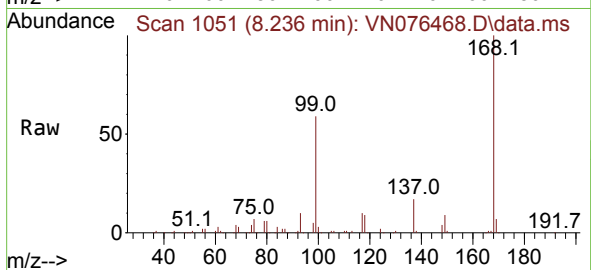
ClientSampleId :

Tgt Ion:168 Resp: 435966

Ion Ratio Lower Upper

168 100

99 58.6 41.6 62.4



#11

Tert butyl alcohol

Concen: 2.103 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.000 min

Lab File: VN076468.D

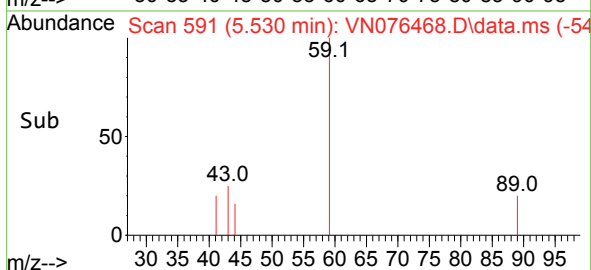
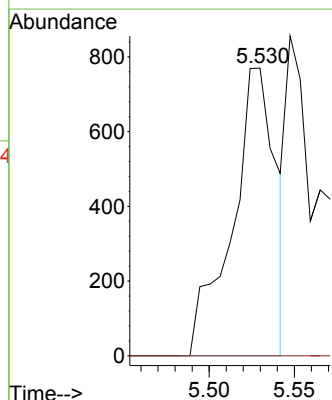
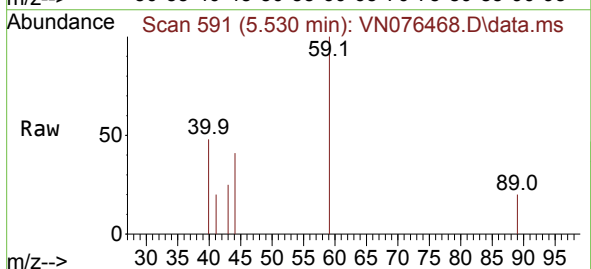
Acq: 30 Jan 2023 19:42

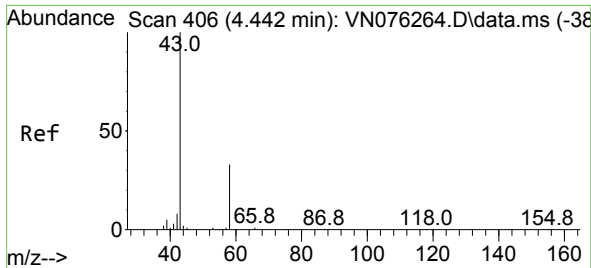
Tgt Ion: 59 Resp: 1373

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

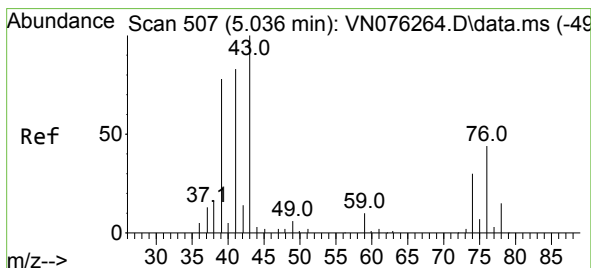
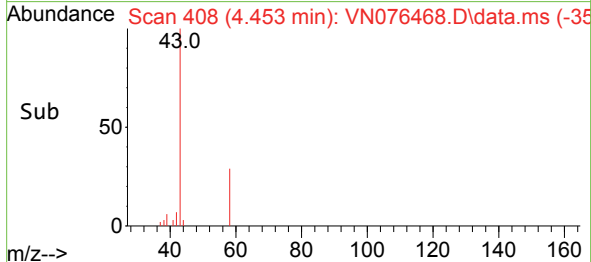
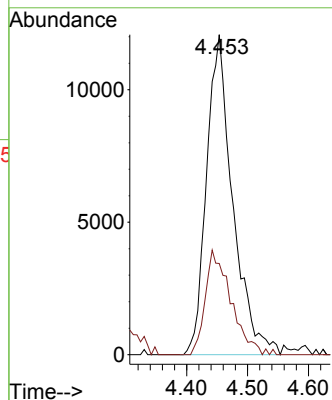
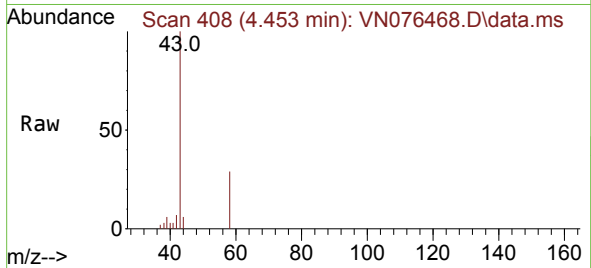




#16
Acetone
Concen: 22.987 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

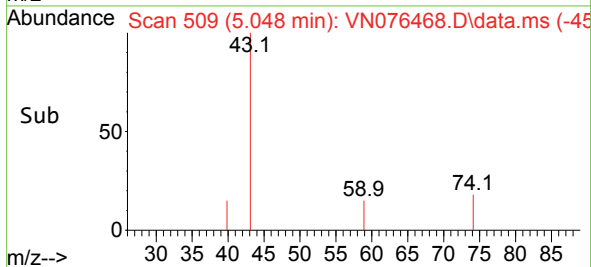
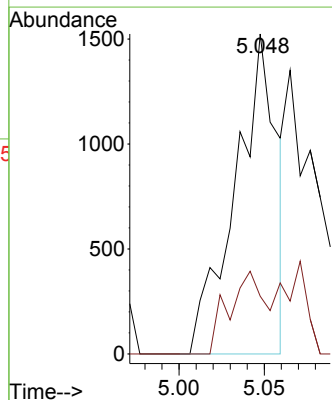
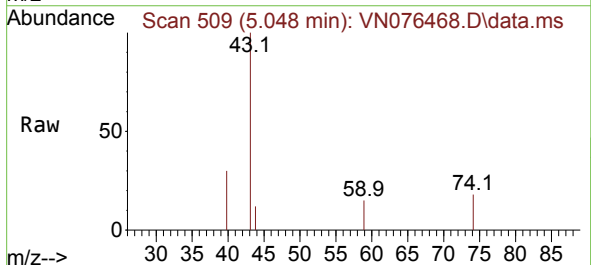
Instrument :
MSVOA_N
ClientSampleId :

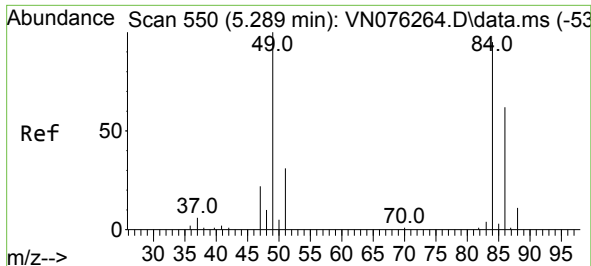
Tgt Ion: 43 Resp: 36076
Ion Ratio Lower Upper
43 100
58 28.5 26.7 40.1



#18
Methyl Acetate
Concen: 0.484 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

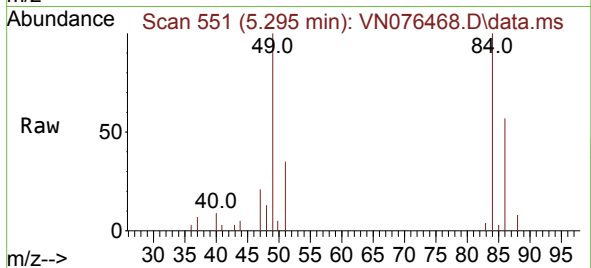
Tgt Ion: 43 Resp: 2567
Ion Ratio Lower Upper
43 100
74 22.4 23.3 34.9#





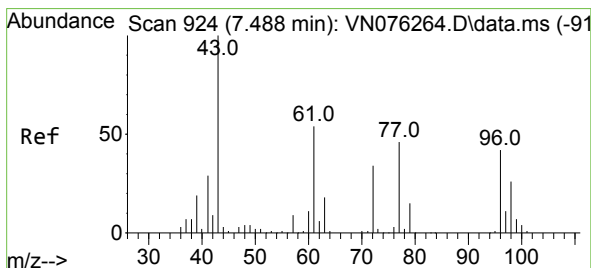
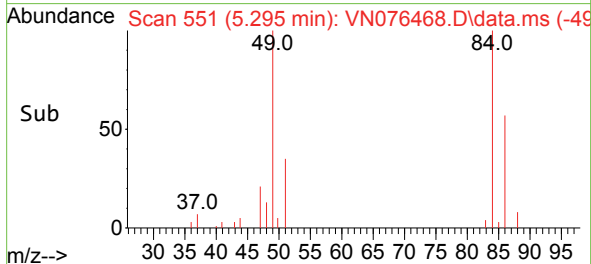
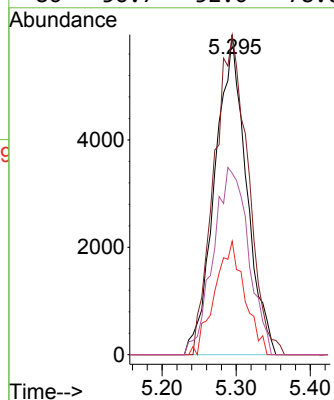
#20
Methylene Chloride
Concen: 3.229 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 17560

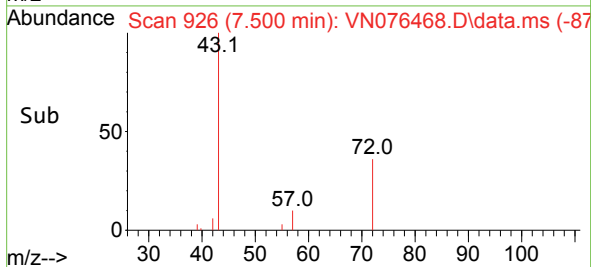
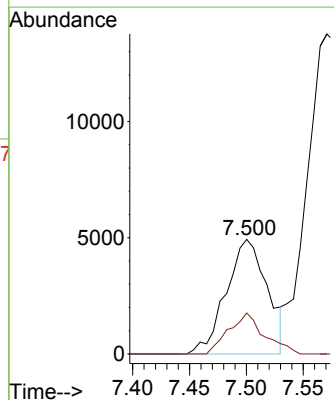
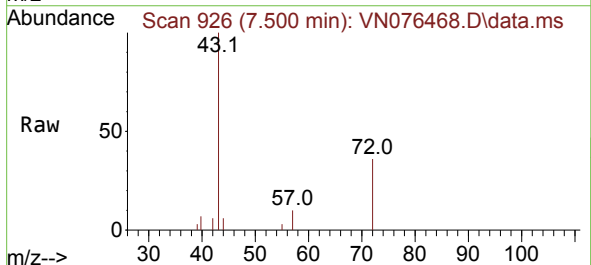
Ion	Ratio	Lower	Upper
84	100		
49	99.9	84.5	126.7
51	35.5	26.0	39.0
86	56.7	52.0	78.0

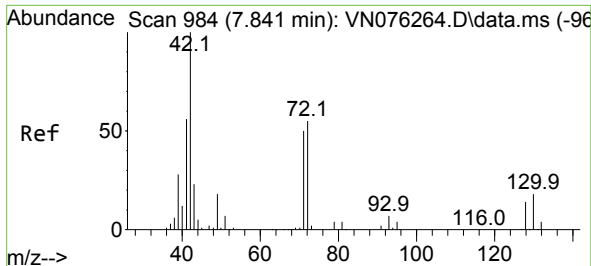


#25
2-Butanone
Concen: 5.180 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Tgt Ion: 43 Resp: 12381

Ion	Ratio	Lower	Upper
43	100		
72	35.8	27.4	41.2





#29

Tetrahydrofuran

Concen: 0.470 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.012 min

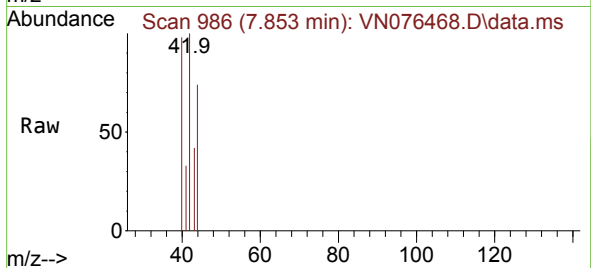
Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

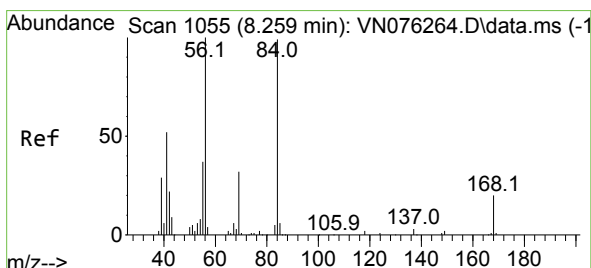
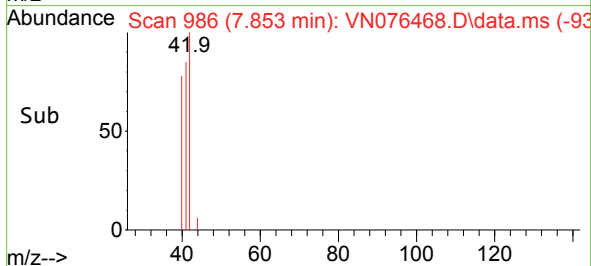
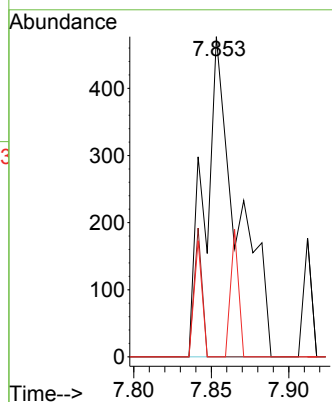
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	694
Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.0	66.0#
71	9.7	41.1	61.7#



#31

Cyclohexane

Concen: 1.289 ug/l

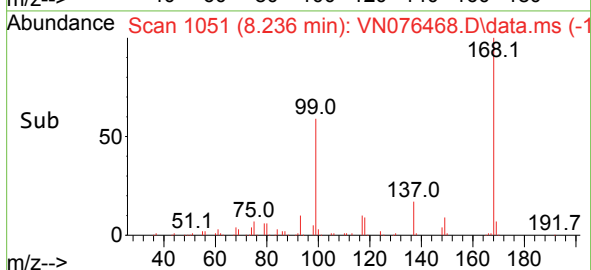
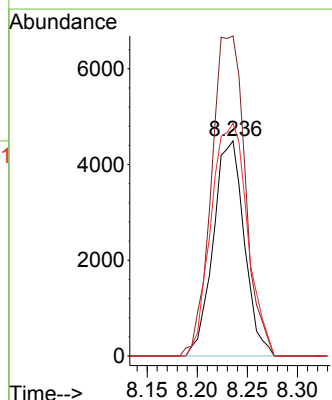
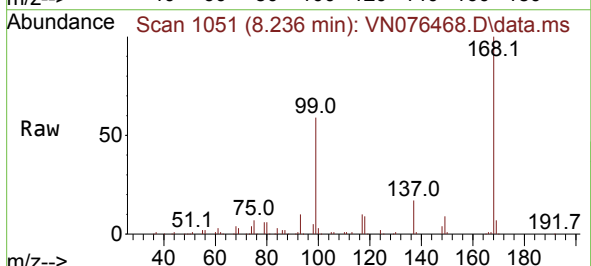
RT: 8.236 min Scan# 1051

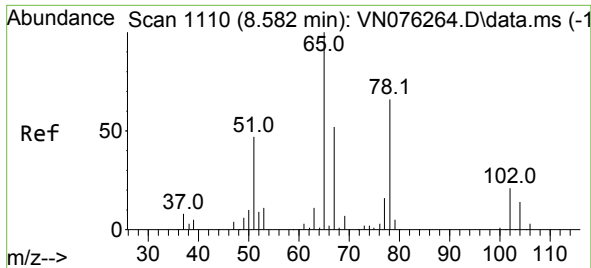
Delta R.T. -0.023 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Tgt Ion:	56	Resp:	9664
Ion	Ratio	Lower	Upper
56	100		
69	148.8	25.8	38.8#
84	108.2	79.0	118.4





#33

1,2-Dichloroethane-d4

Concen: 64.815 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Instrument :

MSVOA_N

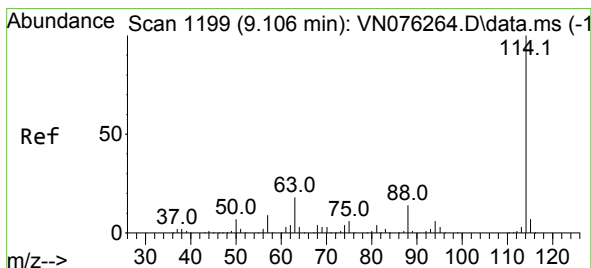
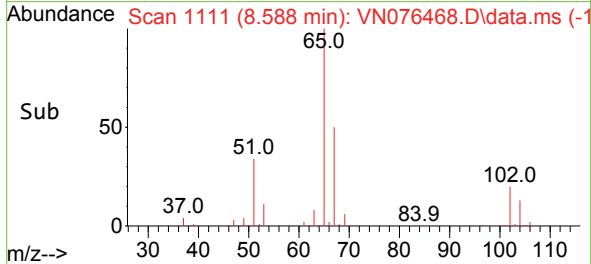
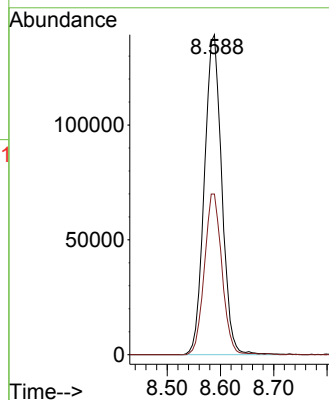
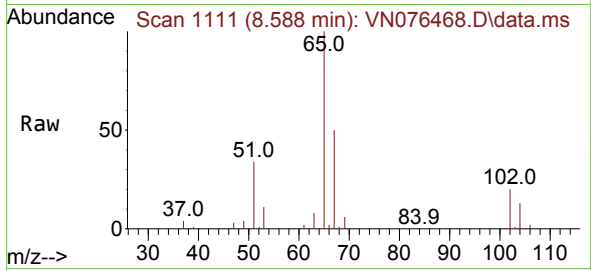
ClientSampleId :

Tgt Ion: 65 Resp: 316390

Ion Ratio Lower Upper

65 100

67 50.6 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: VN076468.D

Acq: 30 Jan 2023 19:42

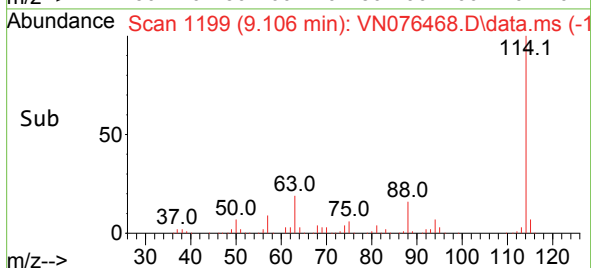
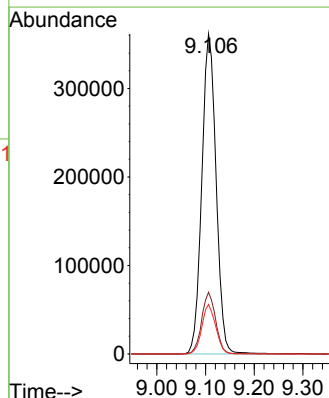
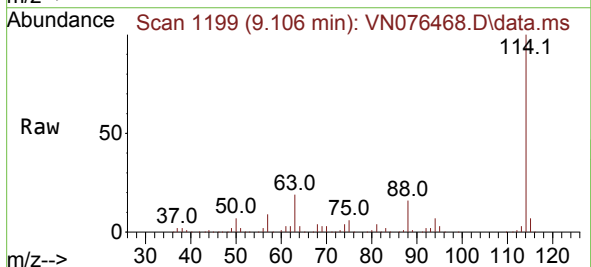
Tgt Ion: 114 Resp: 736218

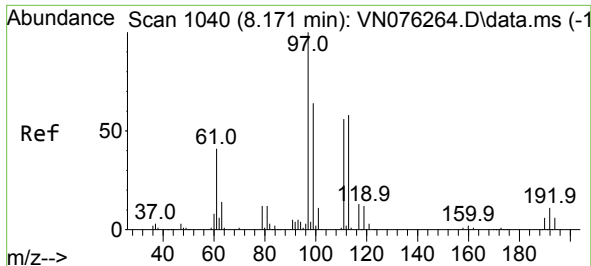
Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.8

88 15.5 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.841 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

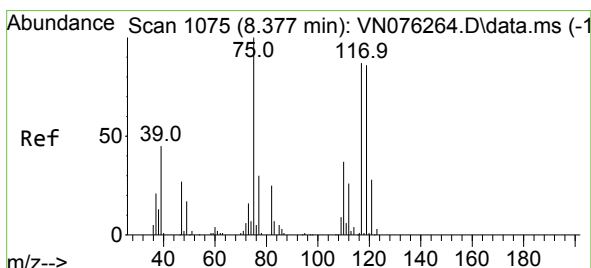
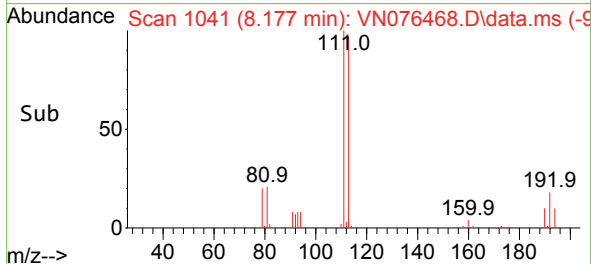
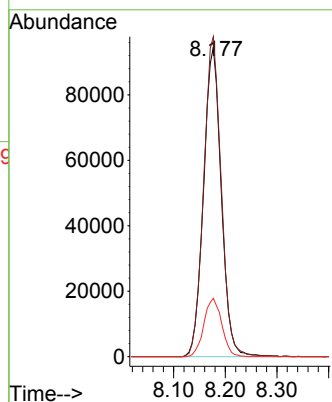
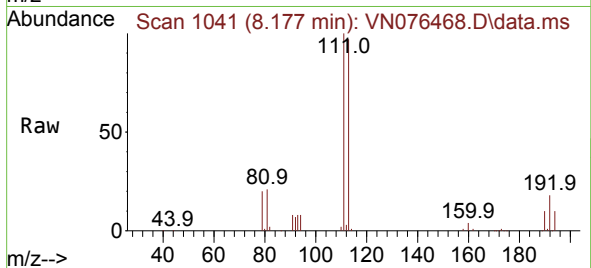
Tgt Ion:113 Resp: 224930

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 19.0 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

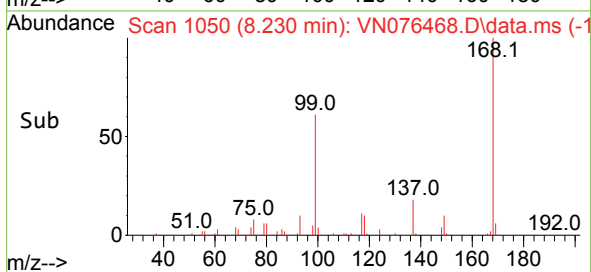
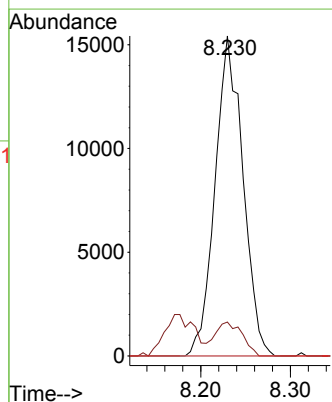
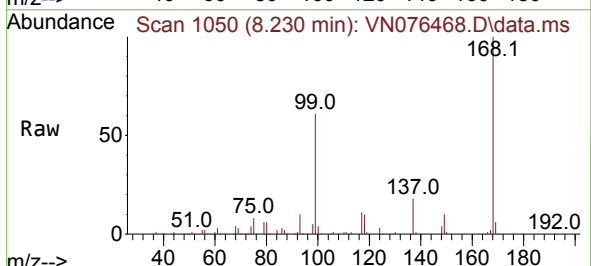
Tgt Ion: 75 Resp: 33198

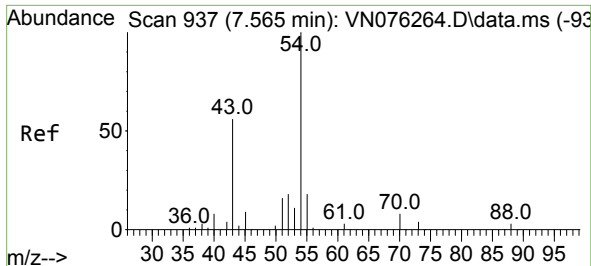
Ion Ratio Lower Upper

75 100

110 10.3 18.8 56.3#

77 0.0 25.0 37.4#

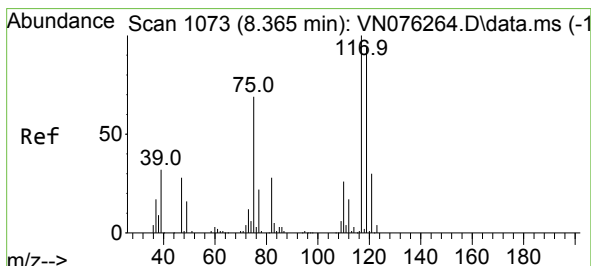
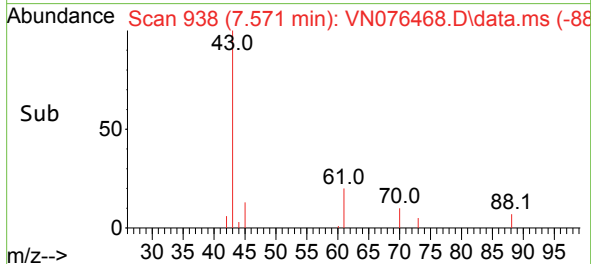
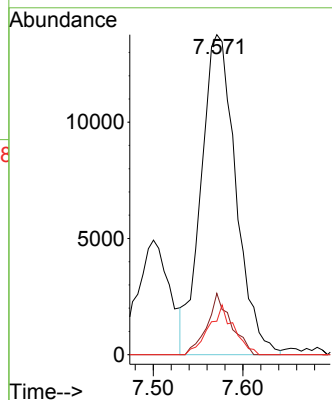
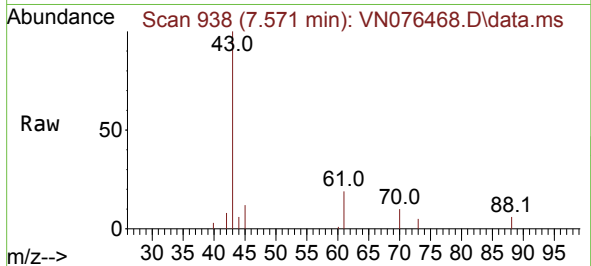




#37
Ethyl Acetate
Concen: 7.079 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

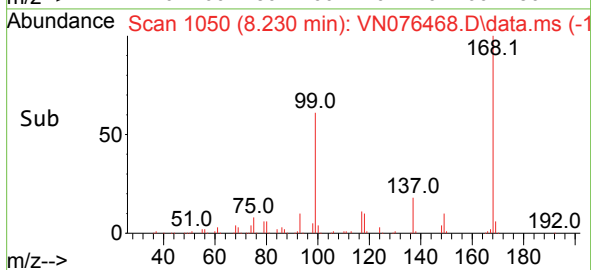
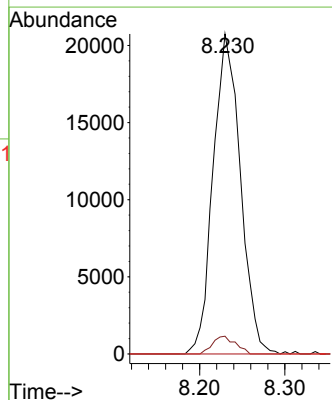
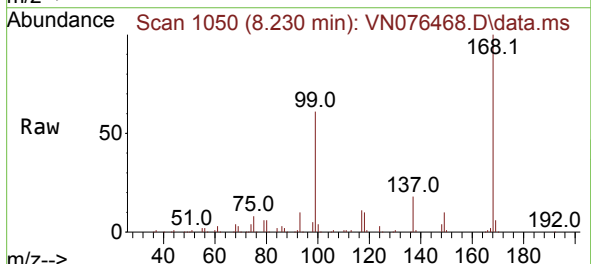
Instrument :
MSVOA_N
ClientSampleId :

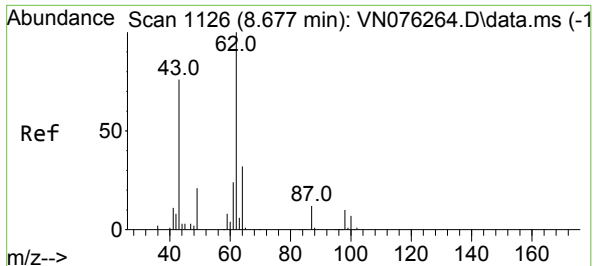
Tgt Ion: 43 Resp: 36994
Ion Ratio Lower Upper
43 100
61 13.2 11.1 16.7
70 11.2 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.329 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Tgt Ion: 117 Resp: 46187
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.319 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Instrument :

MSVOA_N

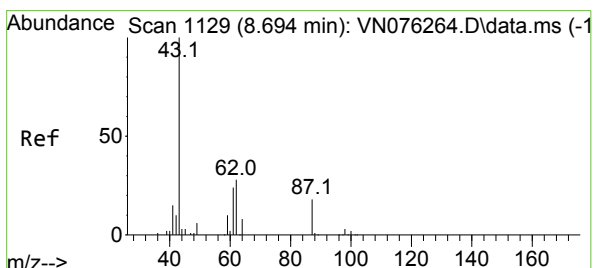
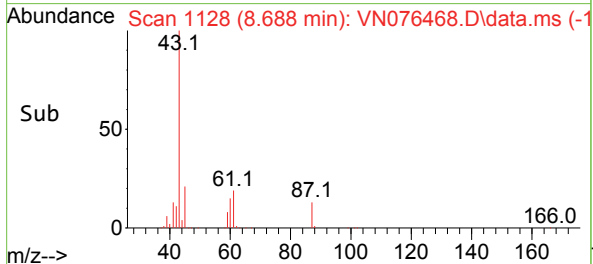
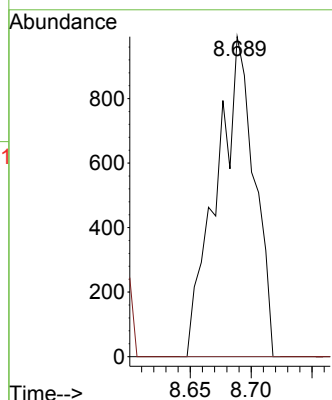
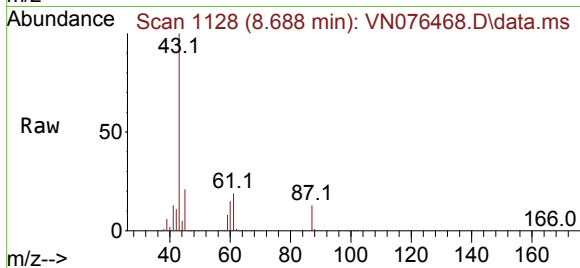
ClientSampleId :

Tgt Ion: 62 Resp: 2138

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 41.238 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

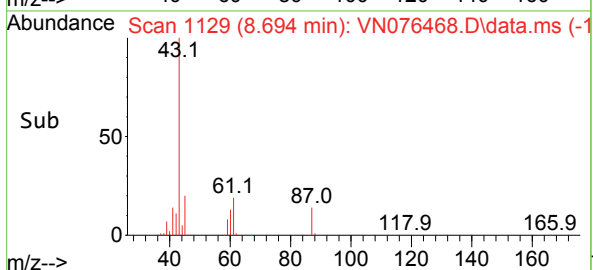
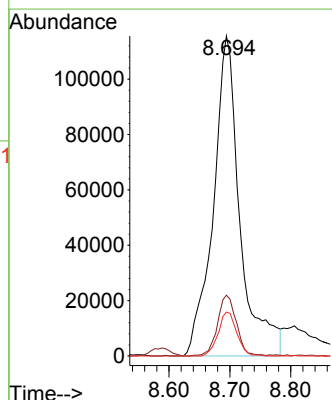
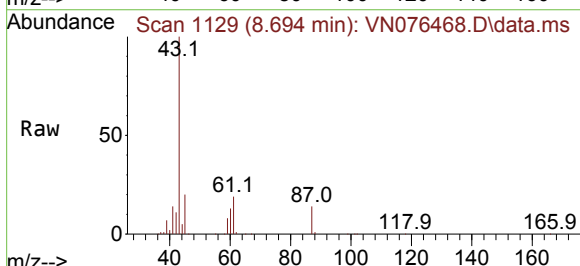
Tgt Ion: 43 Resp: 352132

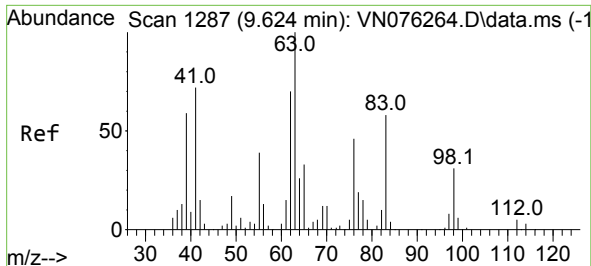
Ion Ratio Lower Upper

43 100

61 13.4 23.5 35.3#

87 9.5 13.8 20.6#





#45

1,2-Dichloropropane

Concen: 0.474 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Instrument :

MSVOA_N

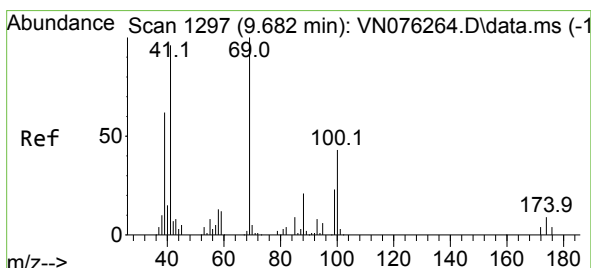
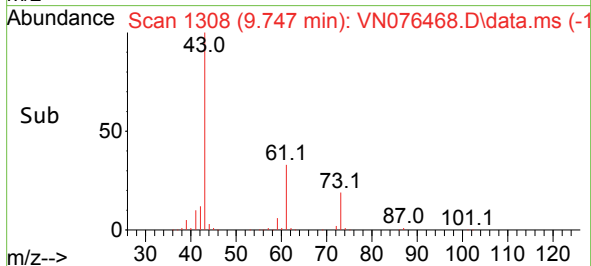
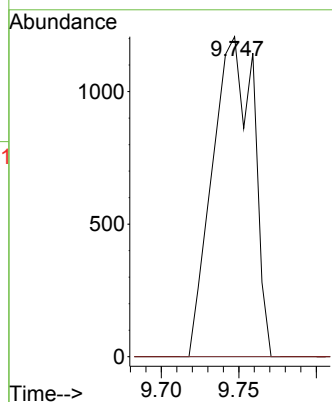
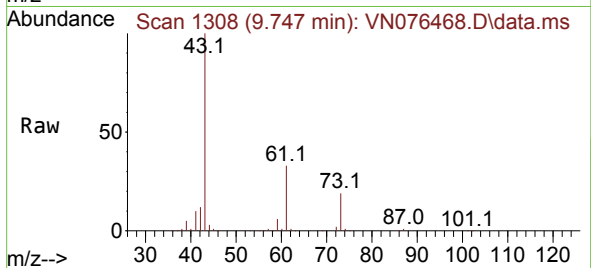
ClientSampleId :

Tgt Ion: 63 Resp: 2219

Ion Ratio Lower Upper

63 100

65 0.0 26.4 39.6#



#48

Methyl methacrylate

Concen: 1.546 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

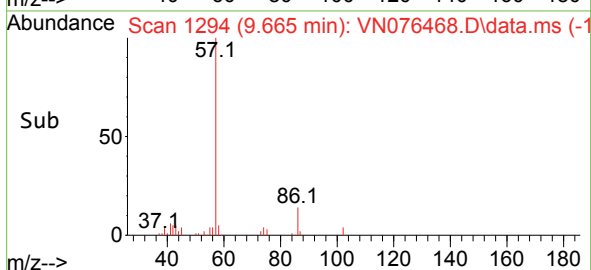
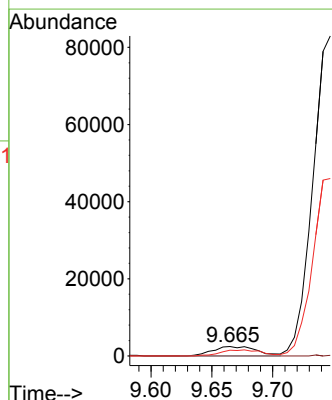
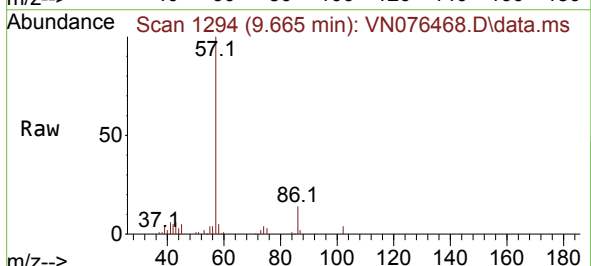
Tgt Ion: 41 Resp: 6250

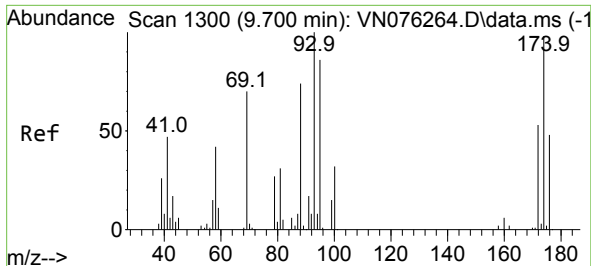
Ion Ratio Lower Upper

41 100

69 0.0 80.8 121.2#

39 59.9 54.4 81.6





#49

1,4-Dioxane

Concen: 2.392 ug/l

RT: 9.735 min Scan# 1306

Delta R.T. 0.035 min

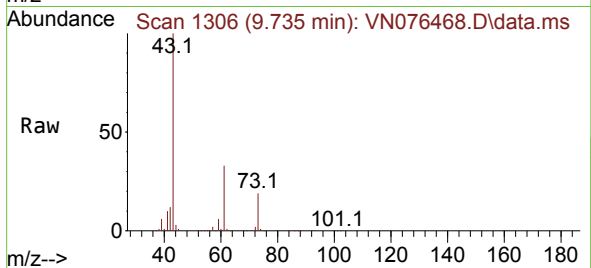
Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :



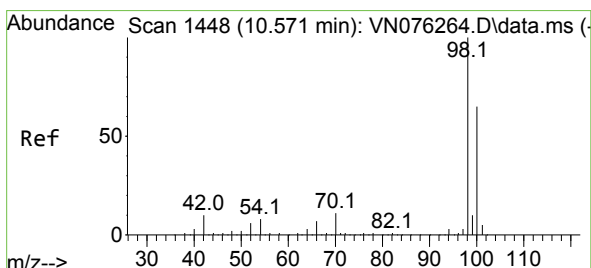
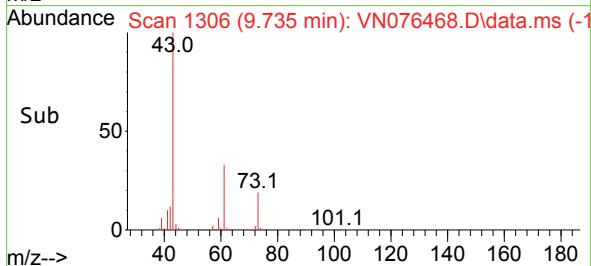
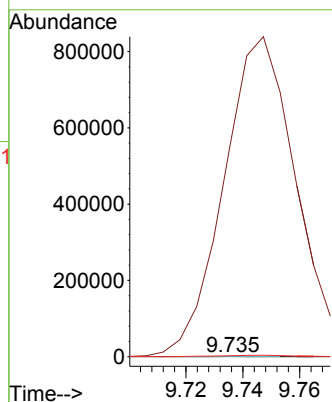
Tgt Ion: 88 Resp: 204

Ion Ratio Lower Upper

88 100

43 736047.5 18.1 27.1#

58 3502.0 46.5 69.7#



#50

Toluene-d8

Concen: 51.001 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076468.D

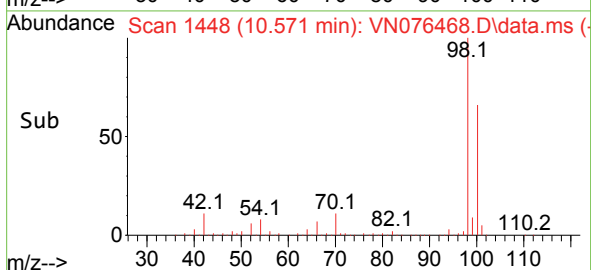
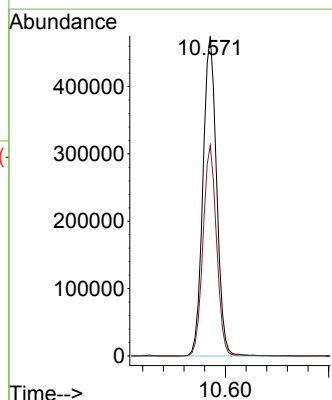
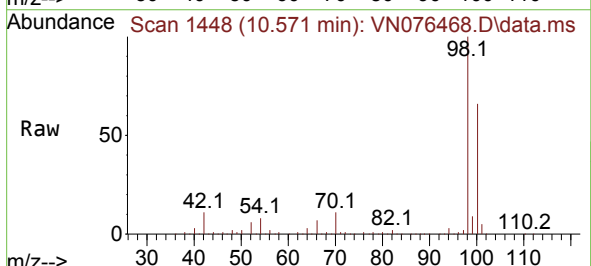
Acq: 30 Jan 2023 19:42

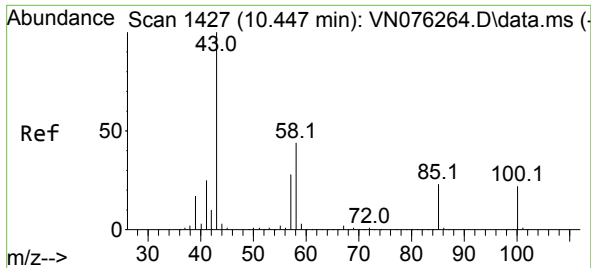
Tgt Ion: 98 Resp: 867427

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4

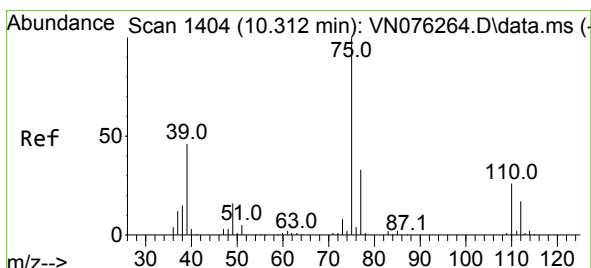
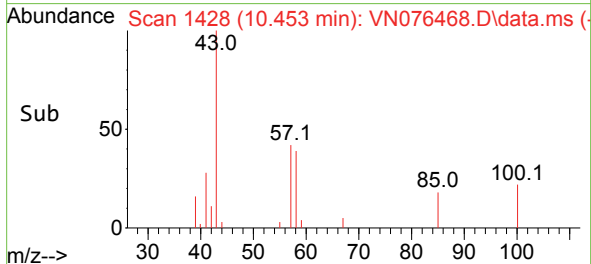
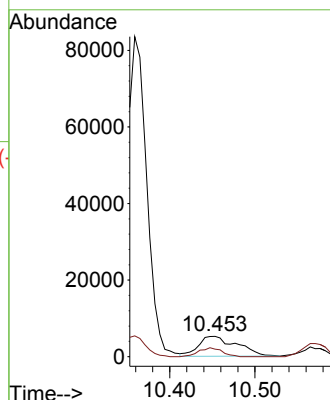
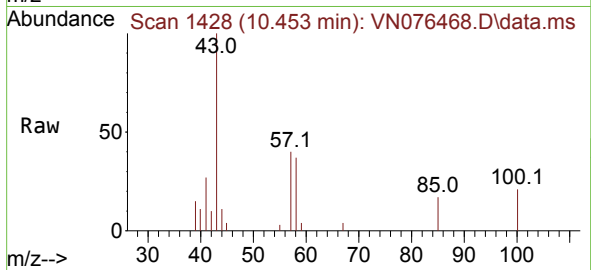




#51
4-Methyl-2-Pentanone
Concen: 3.265 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

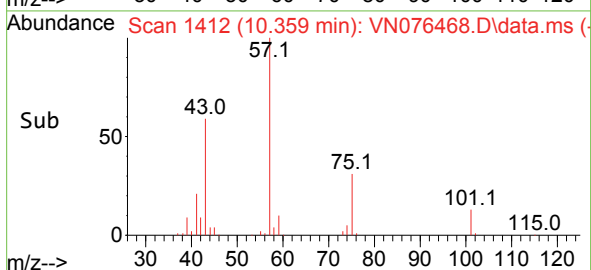
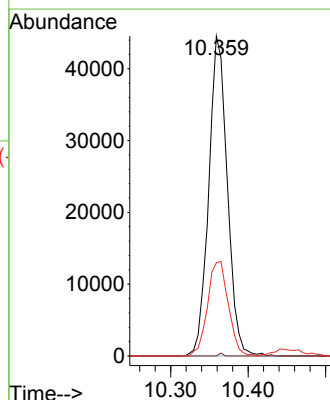
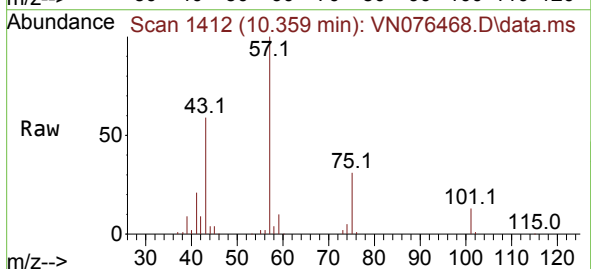
Instrument :
MSVOA_N
ClientSampleId :

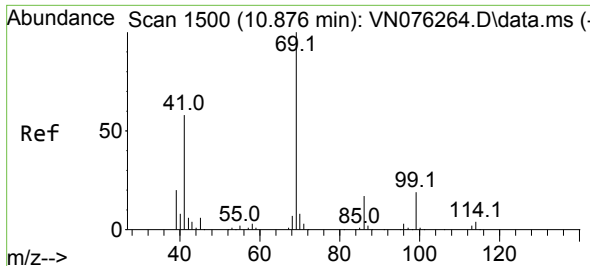
Tgt Ion: 43 Resp: 16365
Ion Ratio Lower Upper
43 100
58 27.1 35.1 52.7#



#54
cis-1,3-Dichloropropene
Concen: 9.873 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Tgt Ion: 75 Resp: 74285
Ion Ratio Lower Upper
75 100
77 0.0 26.5 39.7#
39 29.1 37.1 55.7#

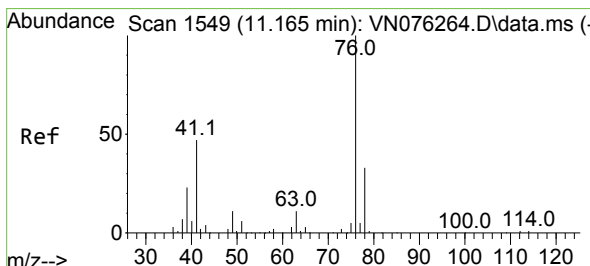
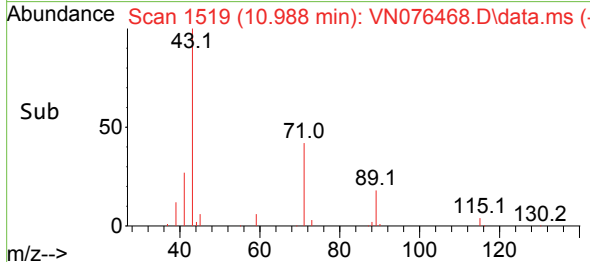
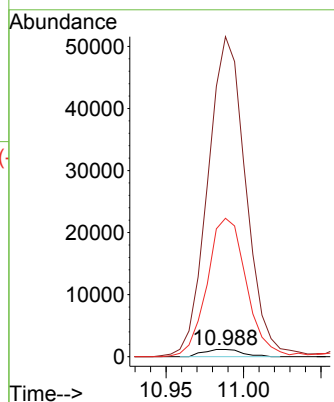
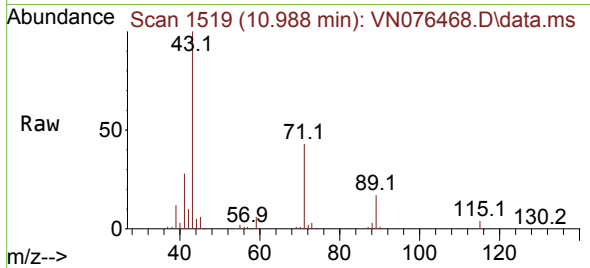




#56
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

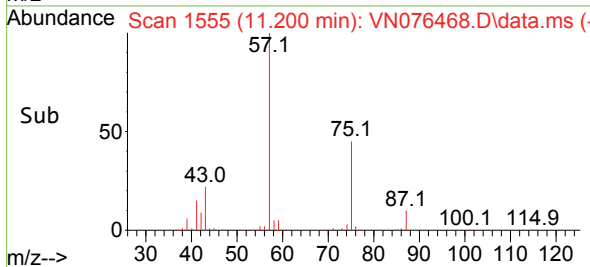
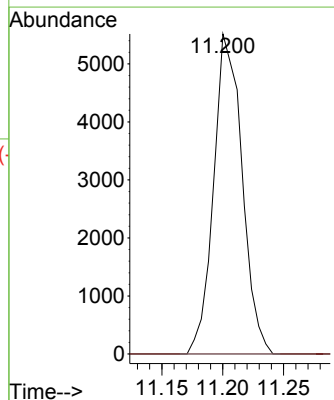
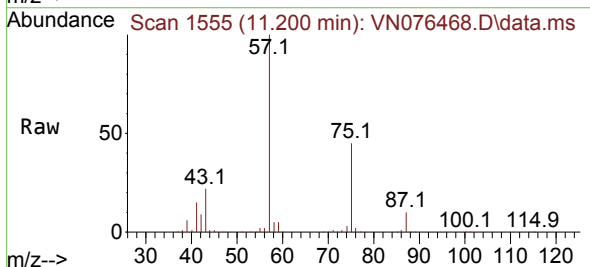
Instrument :
MSVOA_N
ClientSampleId :

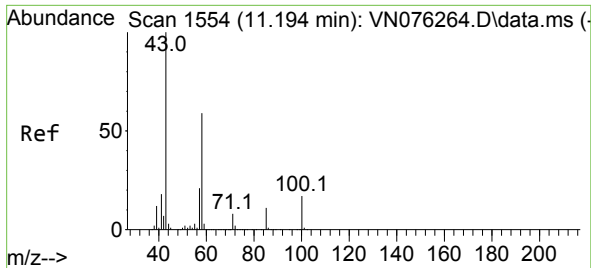
Tgt Ion: 69 Resp: 2029
Ion Ratio Lower Upper
69 100
41 4345.9 45.3 67.9#
39 1942.2 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.102 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Tgt Ion: 76 Resp: 8954
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

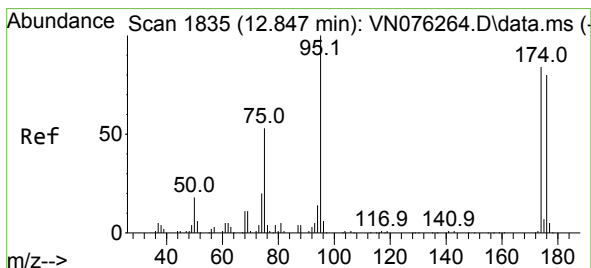
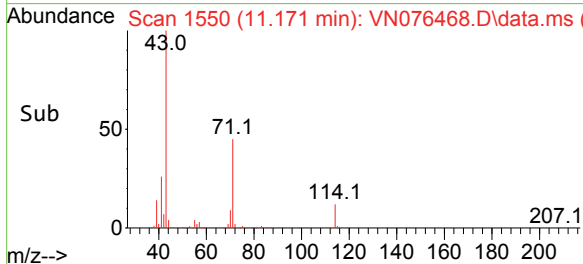
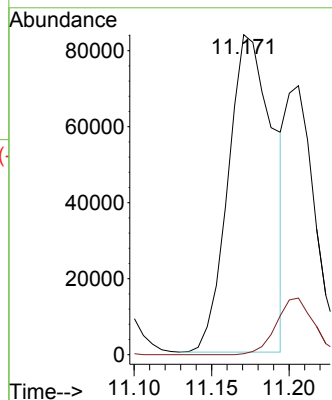
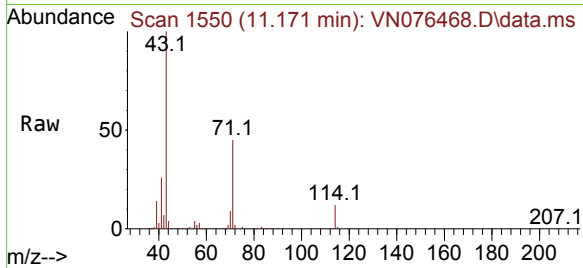




#59
2-Hexanone
Concen: 46.578 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

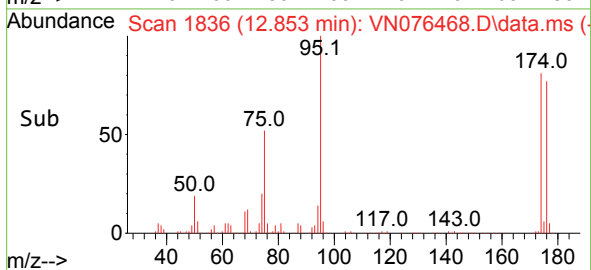
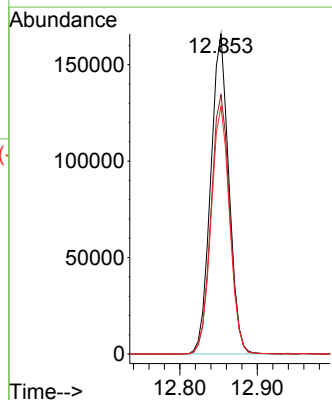
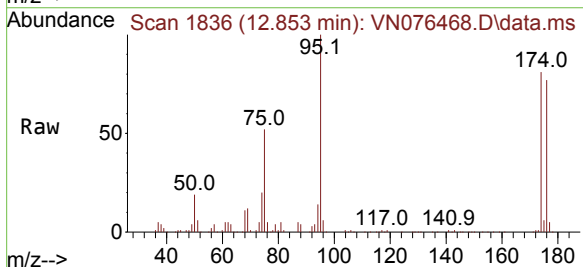
Instrument :
MSVOA_N
ClientSampleId :

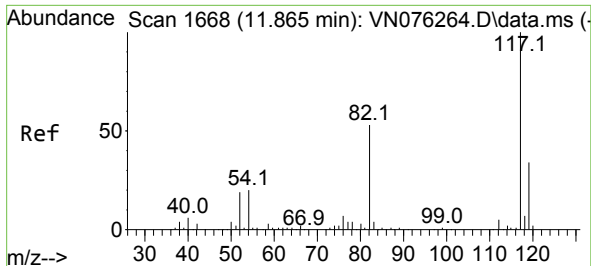
Tgt Ion: 43 Resp: 169194
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 48.698 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Tgt Ion: 95 Resp: 270389
Ion Ratio Lower Upper
95 100
174 83.4 0.0 174.6
176 78.9 0.0 167.8

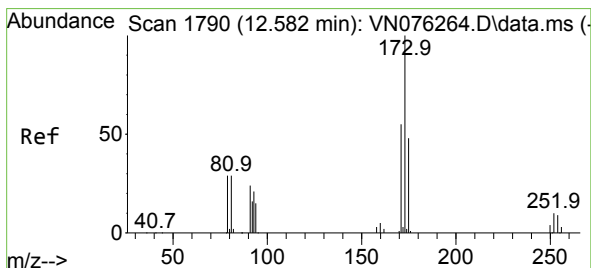
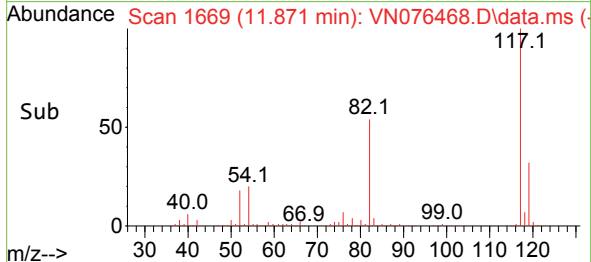
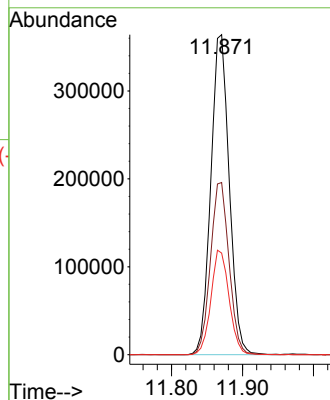
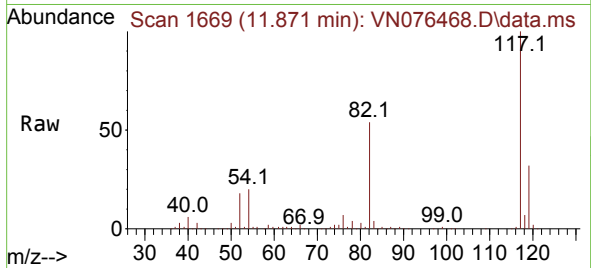




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

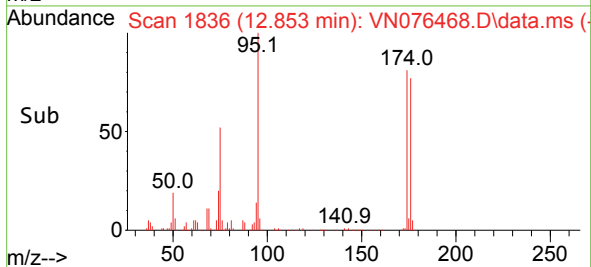
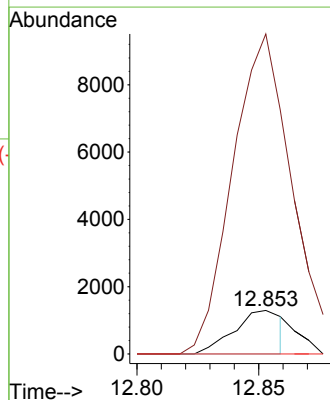
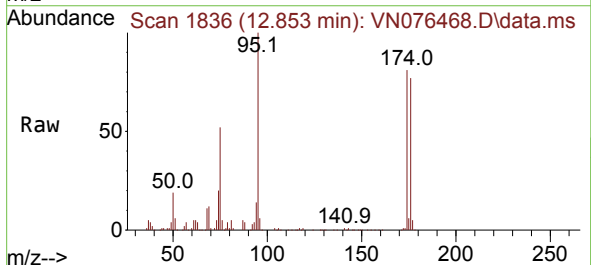
Instrument :
MSVOA_N
ClientSampleId :

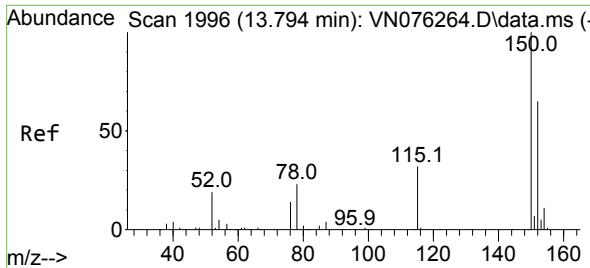
Tgt Ion:117 Resp: 655468
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.2
119 31.8 26.9 40.3



#71
Bromoform
Concen: 0.476 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Tgt Ion:173 Resp: 1771
Ion Ratio Lower Upper
173 100
175 735.6 24.1 72.4#
254 0.0 0.0 0.0

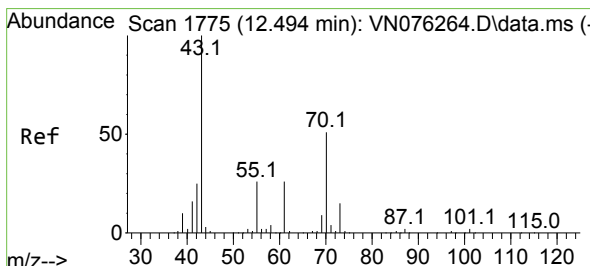
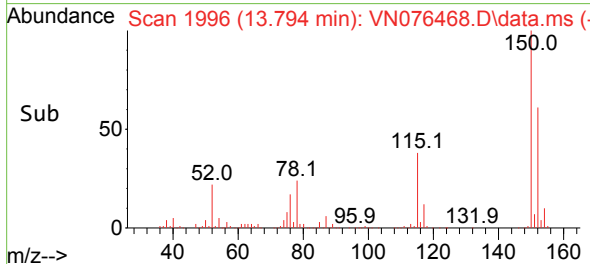
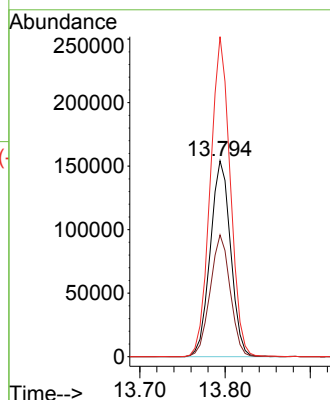
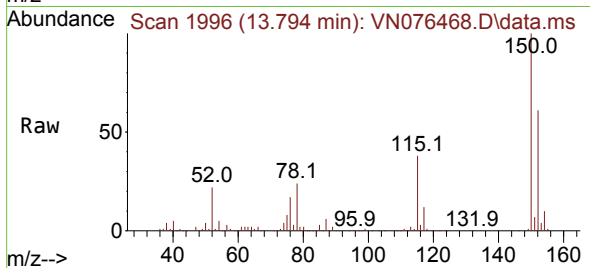




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

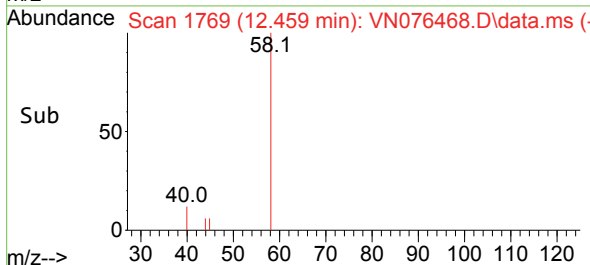
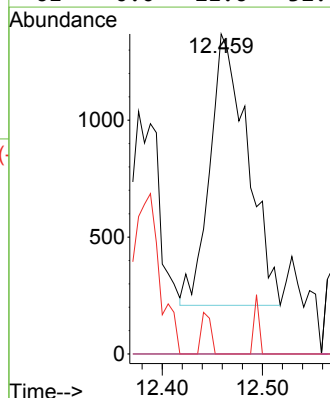
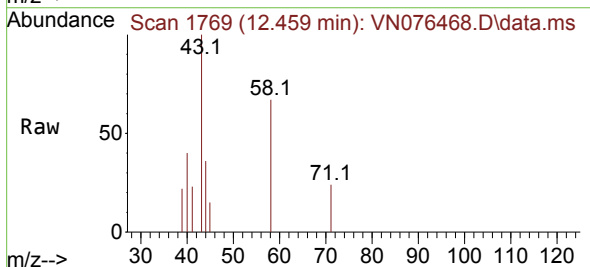
Instrument :
MSVOA_N
ClientSampleId :

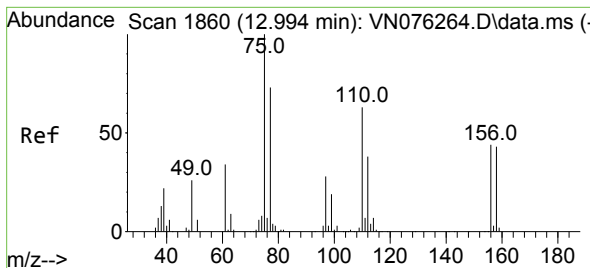
Tgt Ion:152 Resp: 255806
Ion Ratio Lower Upper
152 100
115 61.2 29.6 88.9
150 160.2 0.0 351.4



#74
N-ethyl acetate
Concen: 0.535 ug/l
RT: 12.459 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Tgt Ion: 43 Resp: 3046
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 3.8 21.0 31.6#
61 0.0 21.6 32.4#





#76

1,2,3-Trichloropropane

Concen: 31.226 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

Instrument :

MSVOA_N

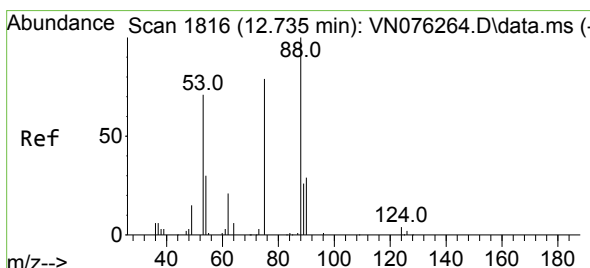
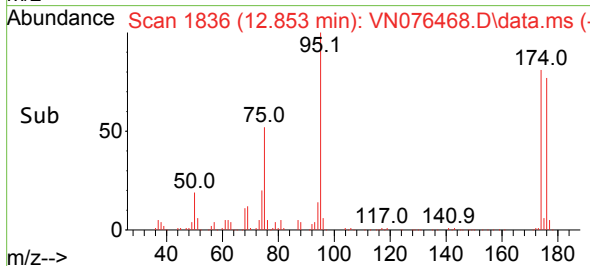
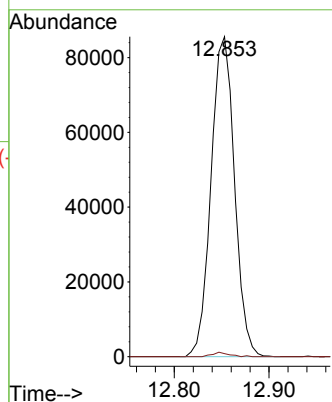
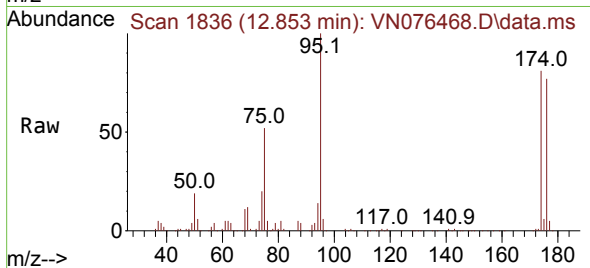
ClientSampleId :

Tgt Ion: 75 Resp: 147178

Ion Ratio Lower Upper

75 100

77 1.0 75.2 225.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.728 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN076468.D

Acq: 30 Jan 2023 19:42

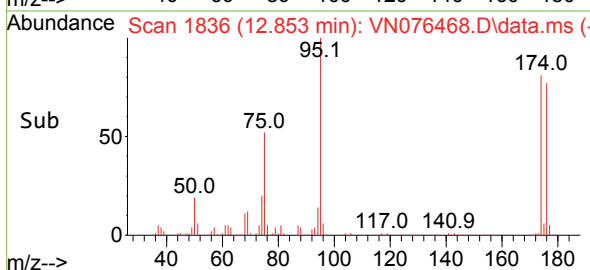
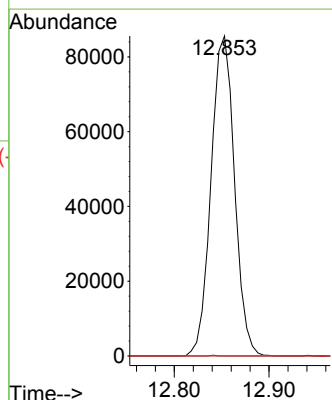
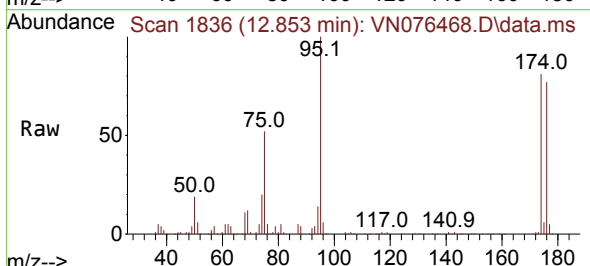
Tgt Ion: 75 Resp: 147178

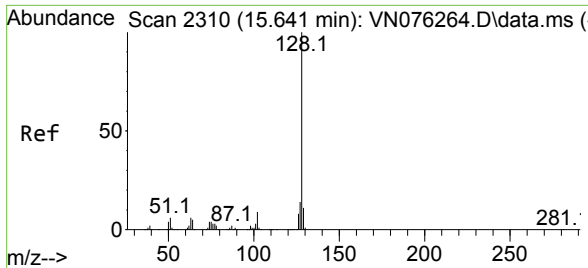
Ion Ratio Lower Upper

75 100

53 0.1 75.8 113.8#

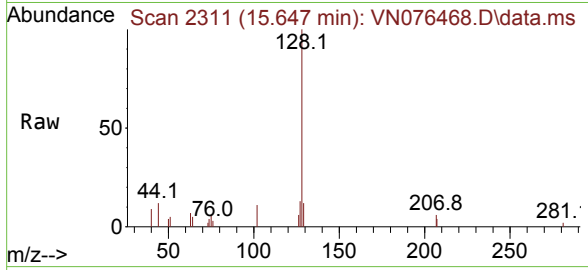
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 2.731 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076468.D
Acq: 30 Jan 2023 19:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	12306
Ion Ratio	Lower	Upper	
128	100		
127	15.9	10.3	15.5#
129	10.2	8.6	13.0

