

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076471.D
 Acq On : 30 Jan 2023 20:54
 Operator : JC\MD
 Sample : 01352-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:47:16 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)

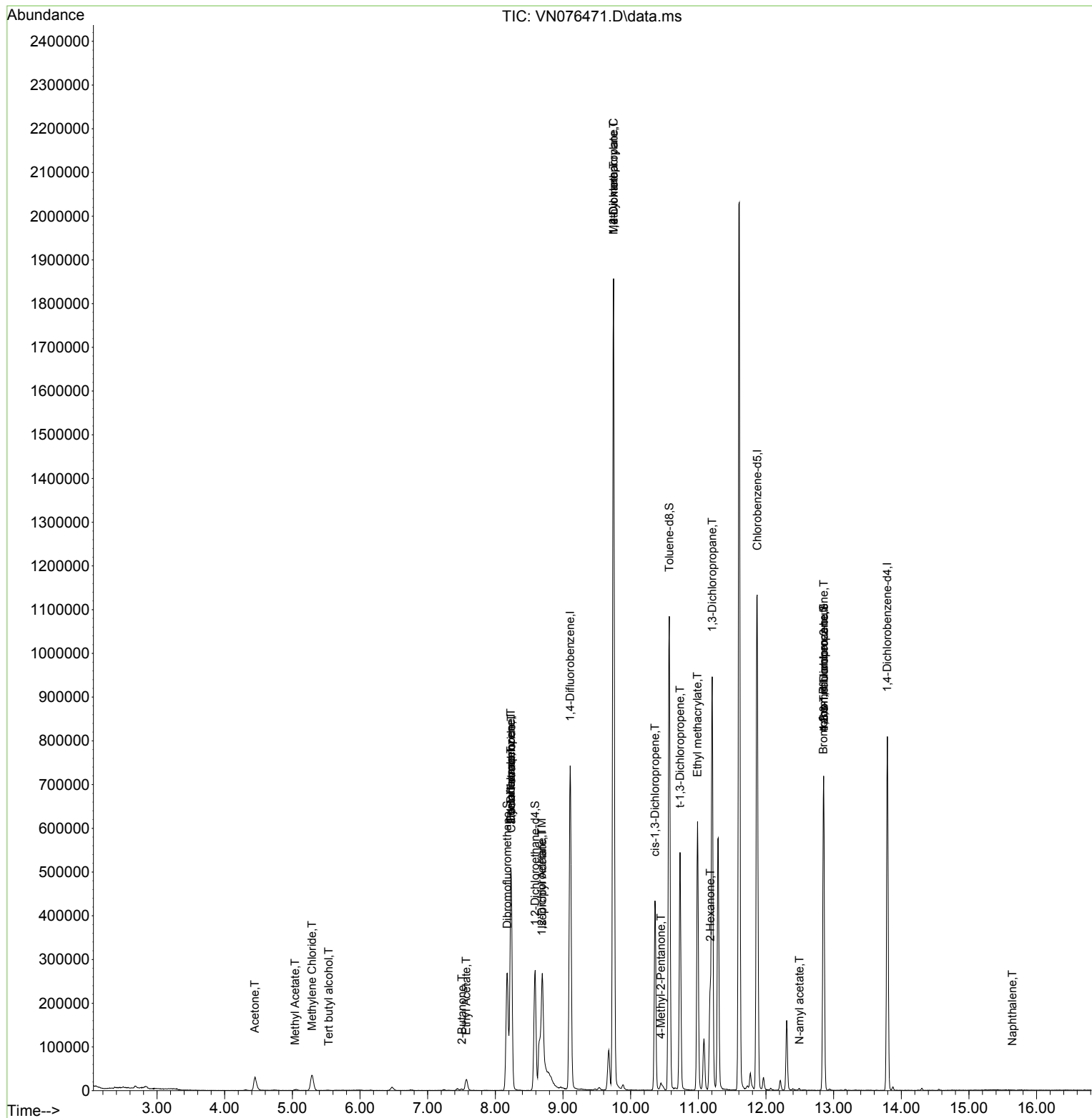
Internal Standards						
1) Pentafluorobenzene	8.230	168	376574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	676103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	697047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	233069	55.276	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.560%			
35) Dibromofluoromethane	8.177	113	190433	45.027	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.060%			
50) Toluene-d8	10.571	98	752826	48.198	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.853	95	240283	47.124	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.240%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	250	0.443	ug/l #	72
16) Acetone	4.448	43	57851	42.739	ug/l	100
18) Methyl Acetate	5.042	43	2014	0.440	ug/l #	82
20) Methylene Chloride	5.289	84	28507	6.605	ug/l	97
25) 2-Butanone	7.506	43	4044	1.959	ug/l #	81
31) Cyclohexane	8.230	56	7650	1.181	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	29140	4.849	ug/l #	49
37) Ethyl Acetate	7.571	43	39801	8.287	ug/l	99
38) Carbon Tetrachloride	8.236	117	38469	5.740	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2306	0.375	ug/l #	73
43) Isopropyl Acetate	8.694	43	483254	61.626	ug/l #	67
45) 1,2-Dichloropropane	9.747	63	2300	0.535	ug/l #	42
48) Methyl methacrylate	9.747	41	171210	46.118	ug/l #	34
49) 1,4-Dioxane	9.747	88	378	4.825	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	17383	3.776	ug/l #	68
53) t-1,3-Dichloropropene	10.730	75	1460	0.243	ug/l #	60
54) cis-1,3-Dichloropropene	10.359	75	79764	11.544	ug/l #	65
56) Ethyl methacrylate	10.988	69	2227	0.376	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10266	1.375	ug/l #	42
59) 2-Hexanone	11.177	43	168129	50.400	ug/l #	21
71) Bromoform	12.847	173	1293	0.327	ug/l #	1
74) N-amyl acetate	12.494	43	1956	0.397	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	127840	31.352	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	127840	96.101	ug/l #	11
95) Naphthalene	15.641	128	1006	1.923	ug/l #	69

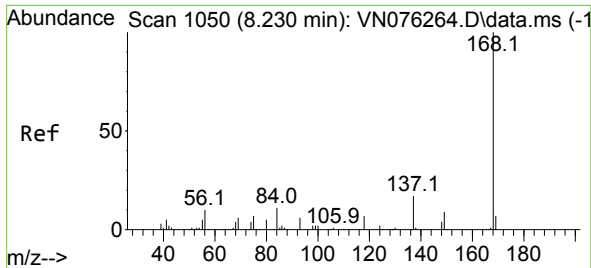
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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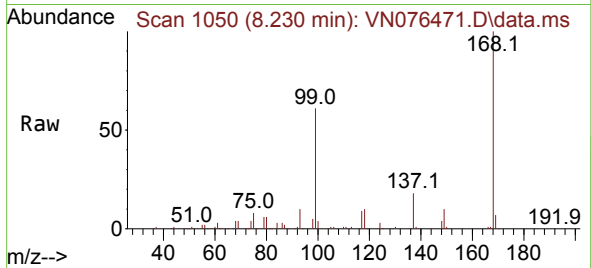
Quant Time: Jan 31 00:47:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration



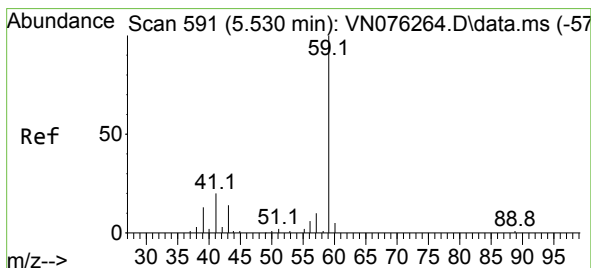
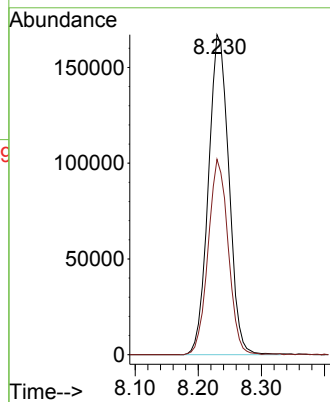
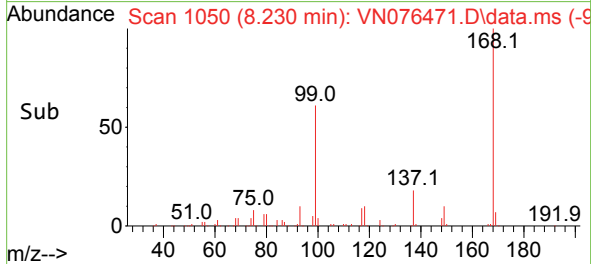


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Instrument :
MSVOA_N
ClientSampleId :

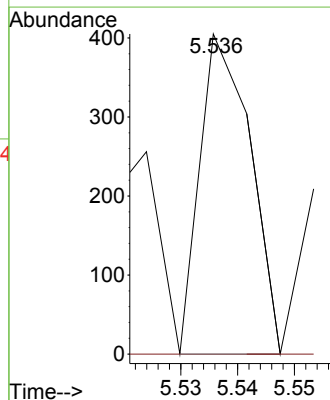
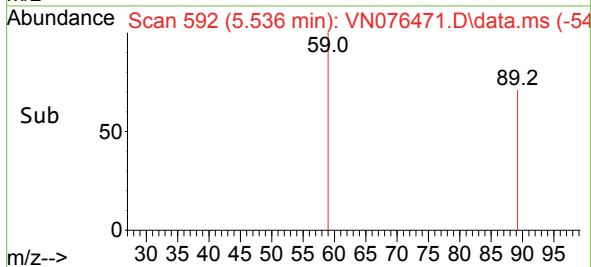
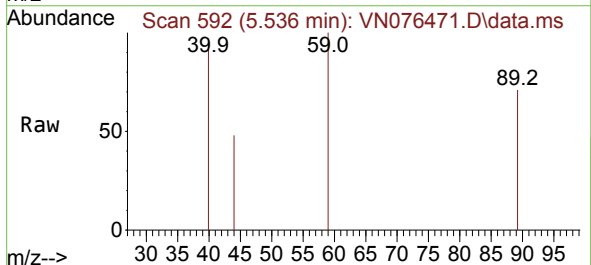


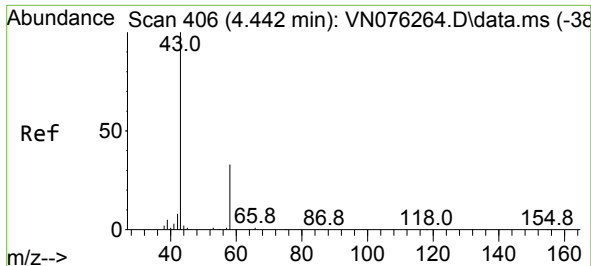
Tgt Ion:168 Resp: 376574
Ion Ratio Lower Upper
168 100
99 61.1 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.006 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

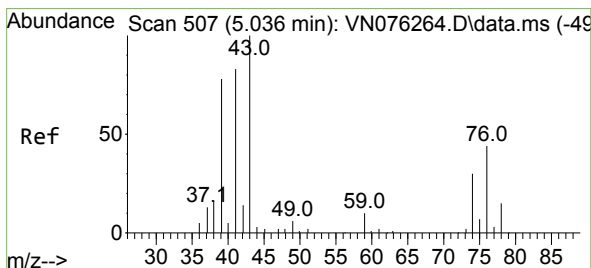
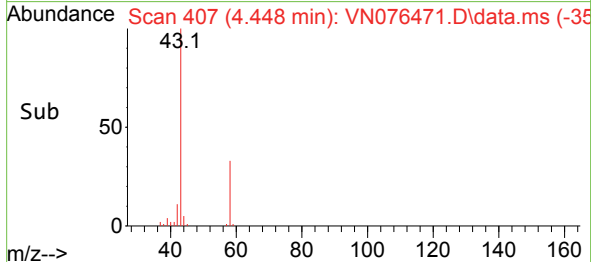
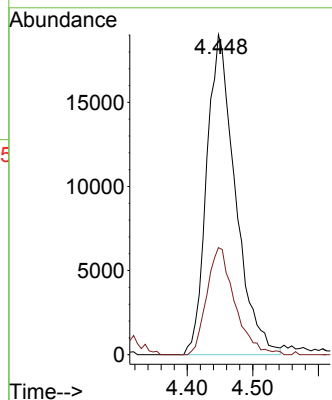
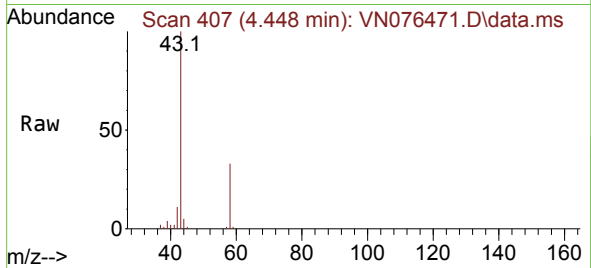




#16
Acetone
Concen: 42.739 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

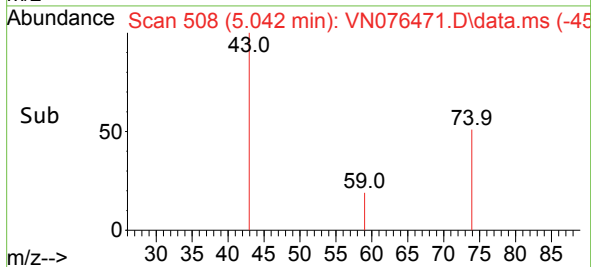
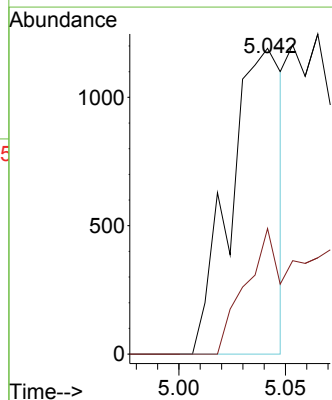
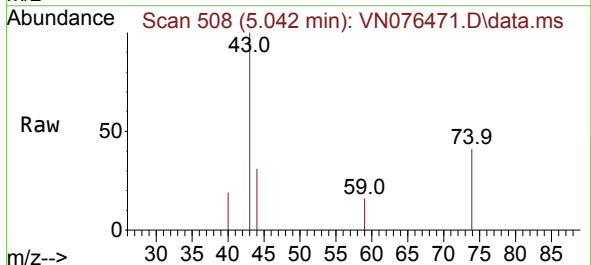
Instrument :
MSVOA_N
ClientSampleId :

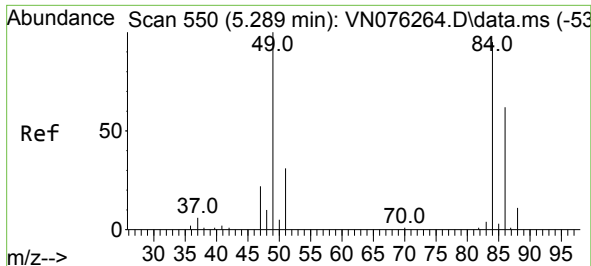
Tgt Ion: 43 Resp: 57851
Ion Ratio Lower Upper
43 100
58 33.4 26.7 40.1



#18
Methyl Acetate
Concen: 0.440 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

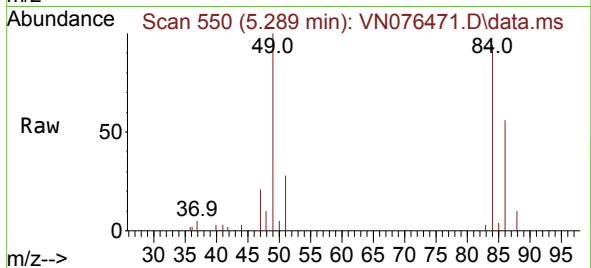
Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
74 38.9 23.3 34.9#



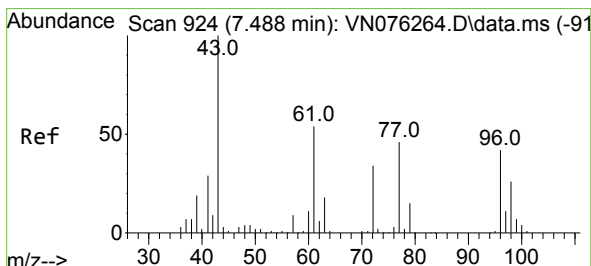
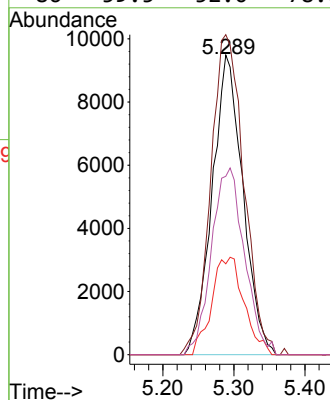
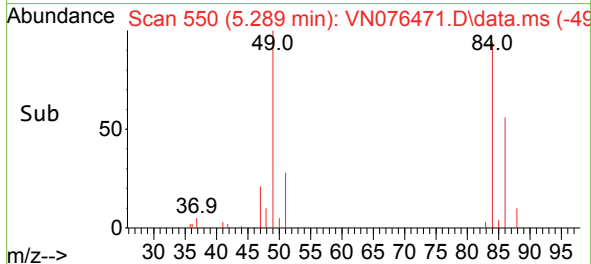


#20
Methylene Chloride
Concen: 6.605 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Instrument :
MSVOA_N
ClientSampleId :

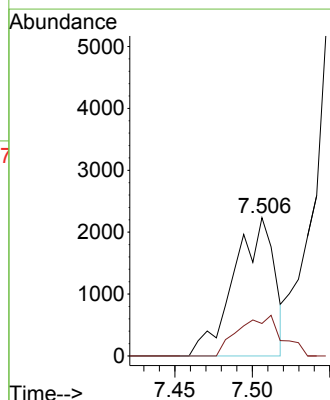
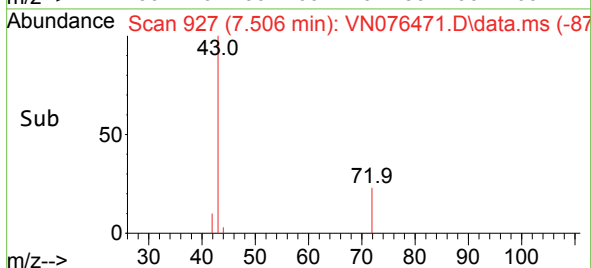
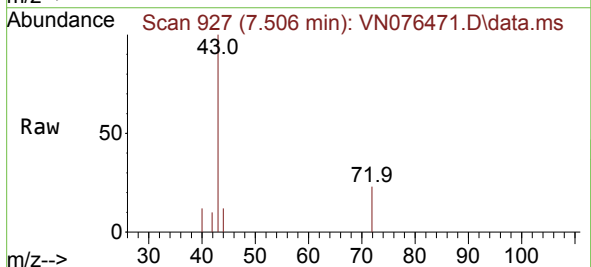


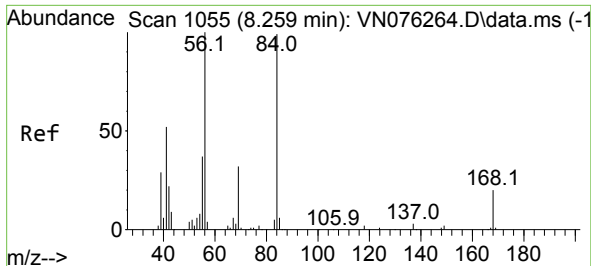
Tgt Ion: 84	Resp: 28507
Ion Ratio	Lower Upper
84 100	
49 106.8	84.5 126.7
51 30.3	26.0 39.0
86 59.5	52.0 78.0



#25
2-Butanone
Concen: 1.959 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

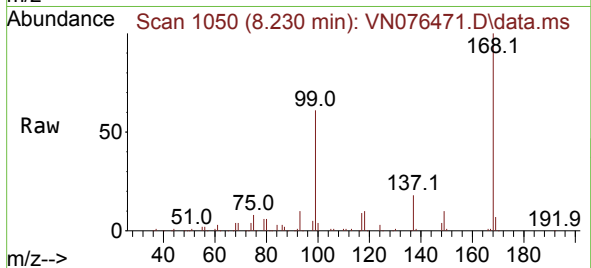
Tgt Ion: 43	Resp: 4044
Ion Ratio	Lower Upper
43 100	
72 23.5	27.4 41.2#



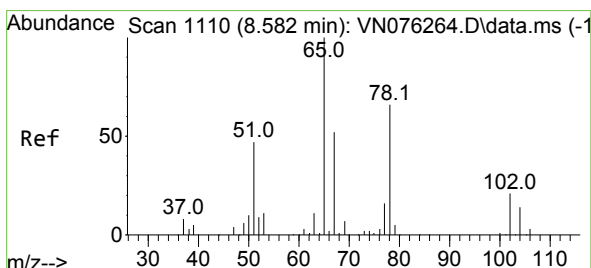
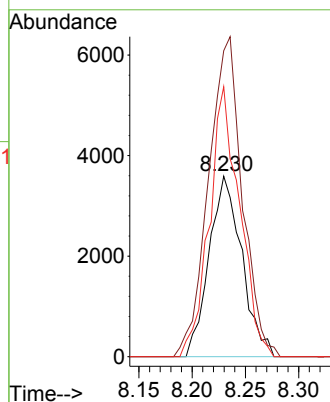
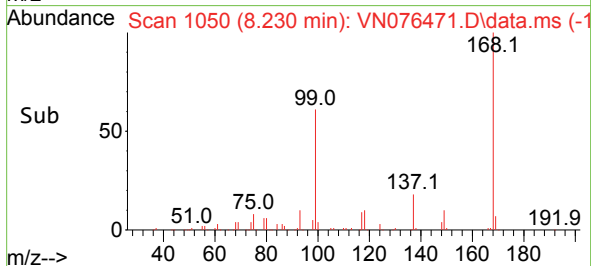


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Instrument :
MSVOA_N
ClientSampleId :

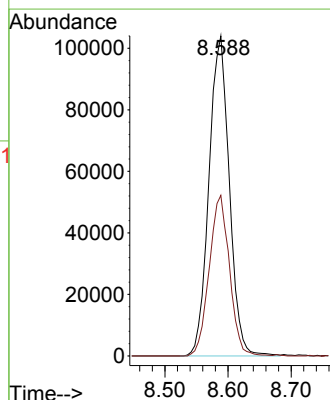
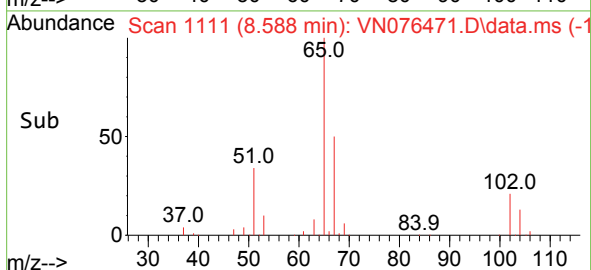
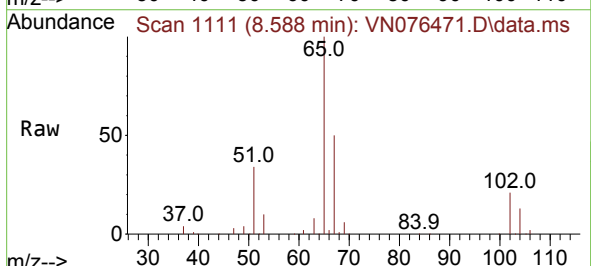


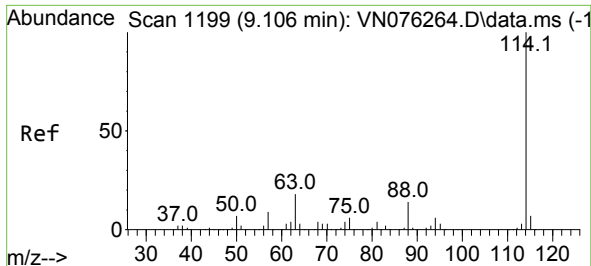
Tgt Ion: 56 Resp: 7650
Ion Ratio Lower Upper
56 100
69 169.5 25.8 38.8#
84 149.5 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 55.276 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 65 Resp: 233069
Ion Ratio Lower Upper
65 100
67 50.0 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: VN076471.D

Acq: 30 Jan 2023 20:54

Instrument :

MSVOA_N

ClientSampleId :

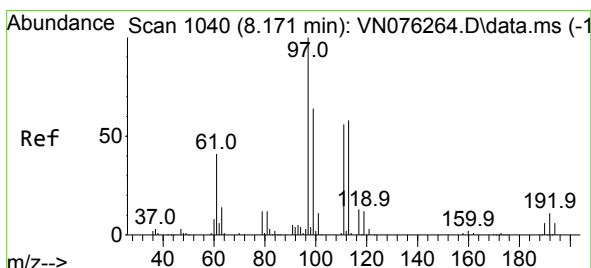
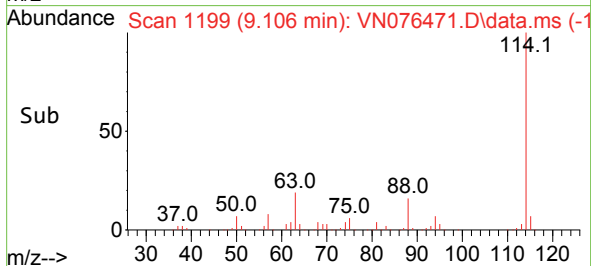
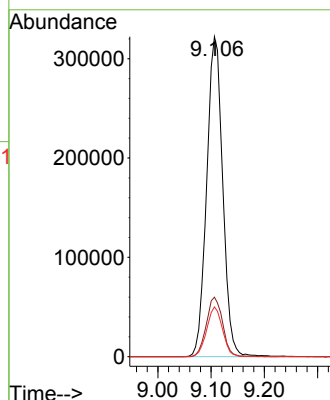
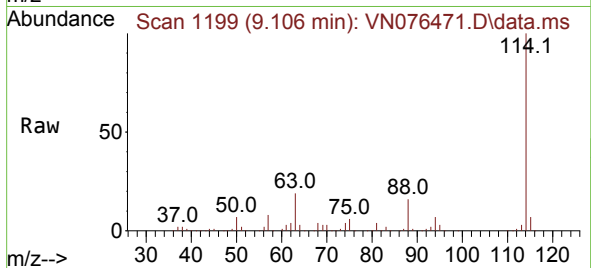
Tgt Ion:114 Resp: 676103

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.8

88 15.6 0.0 28.0



#35

Dibromofluoromethane

Concen: 45.027 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076471.D

Acq: 30 Jan 2023 20:54

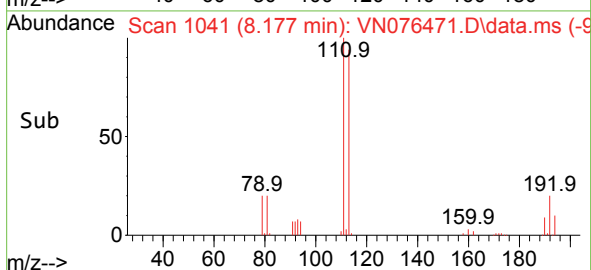
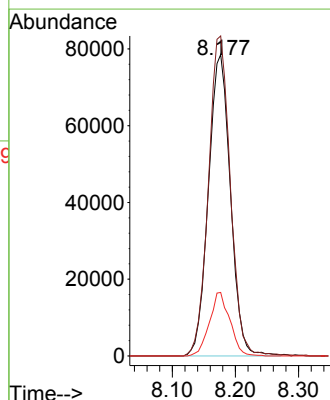
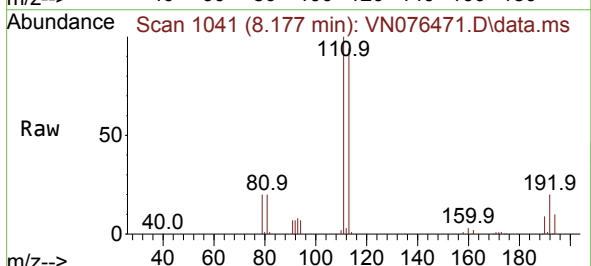
Tgt Ion:113 Resp: 190433

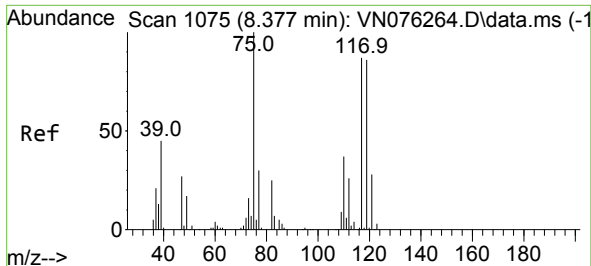
Ion Ratio Lower Upper

113 100

111 105.8 82.7 124.1

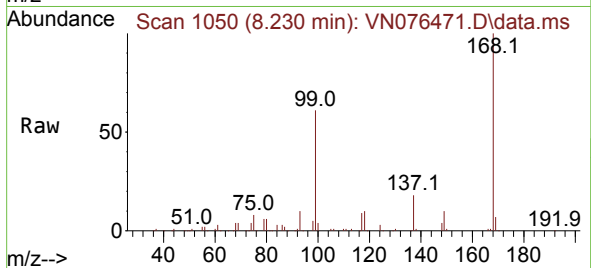
192 19.6 15.6 23.4



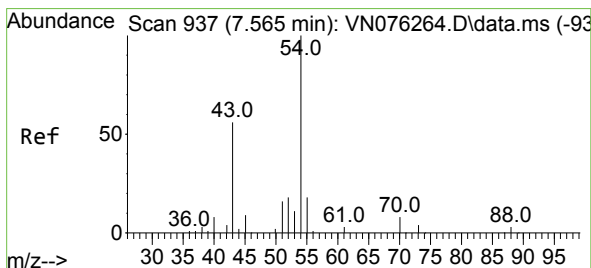
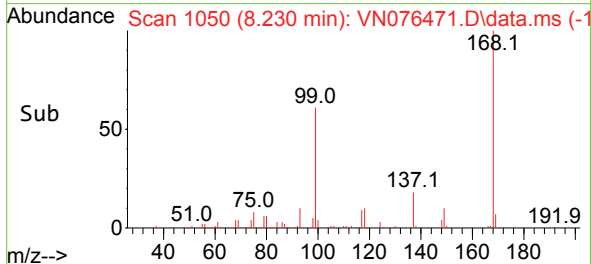
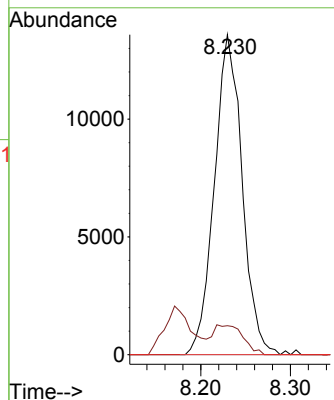


#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Instrument :
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ClientSampleId :

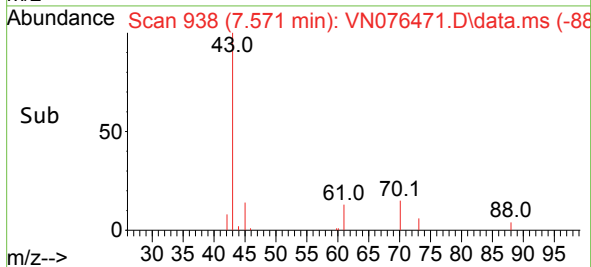
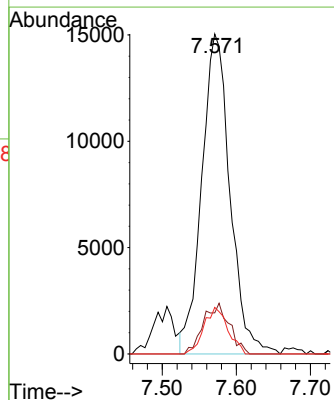
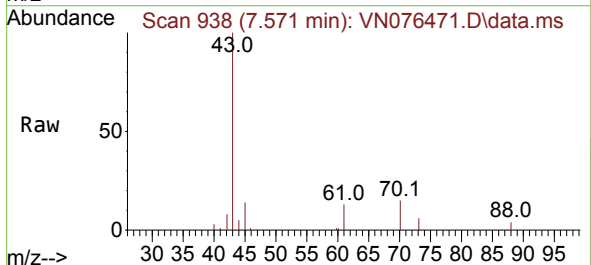


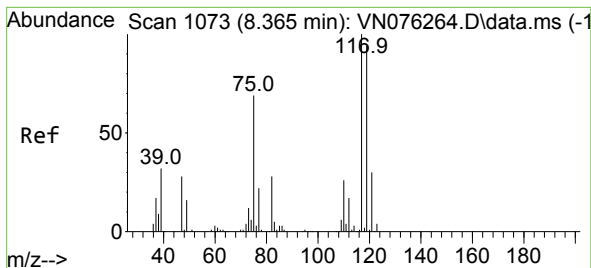
Tgt Ion: 75 Resp: 29140
Ion Ratio Lower Upper
75 100
110 10.1 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.287 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 43 Resp: 39801
Ion Ratio Lower Upper
43 100
61 14.6 11.1 16.7
70 12.4 10.0 15.0





#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.129 min

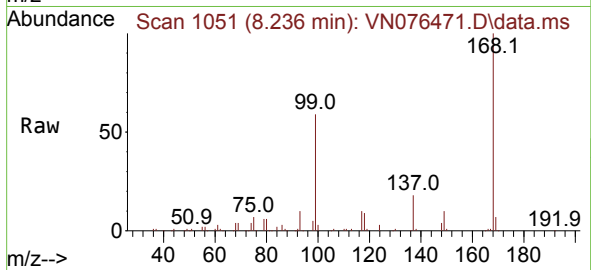
Lab File: VN076471.D

Acq: 30 Jan 2023 20:54

Instrument :

MSVOA_N

ClientSampleId :



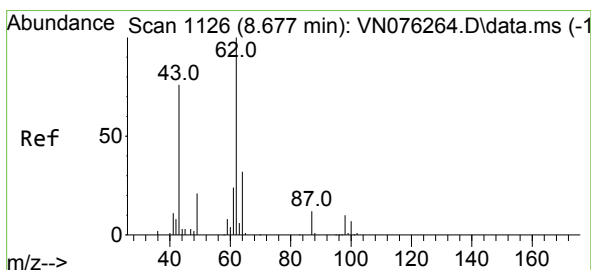
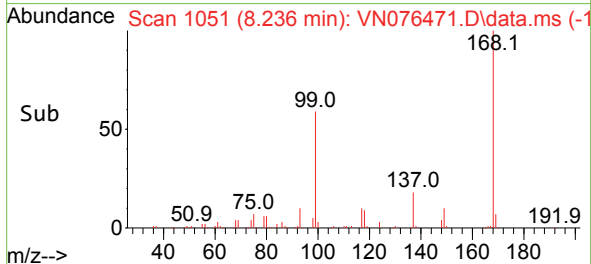
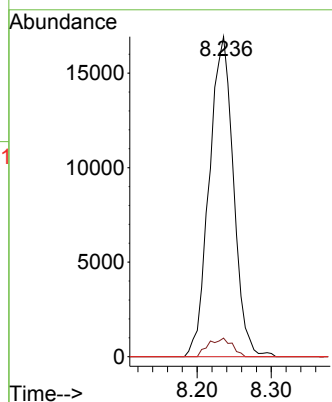
Tgt Ion:117 Resp: 38469

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: 0.375 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VN076471.D

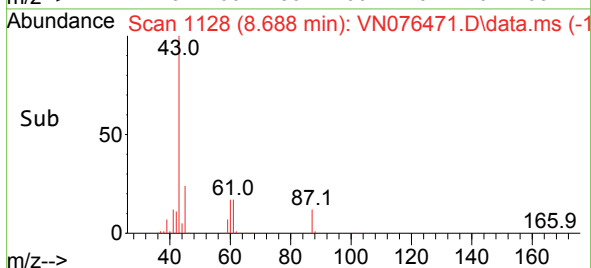
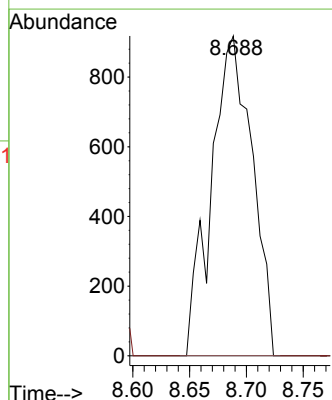
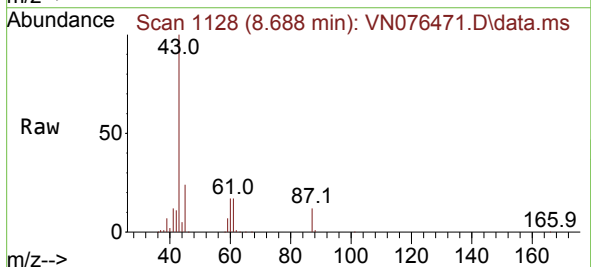
Acq: 30 Jan 2023 20:54

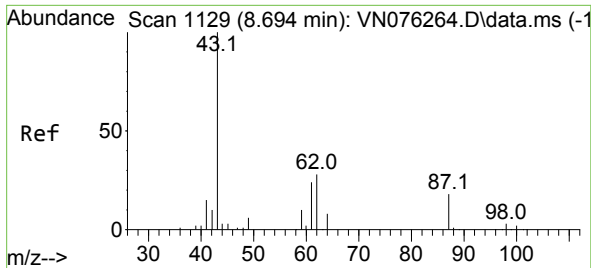
Tgt Ion: 62 Resp: 2306

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

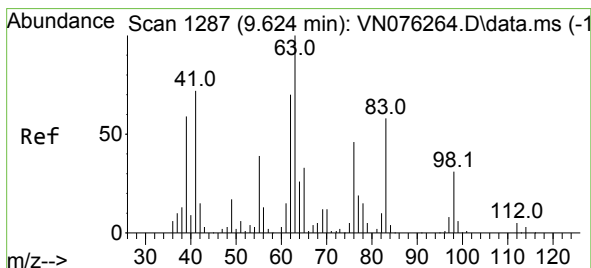
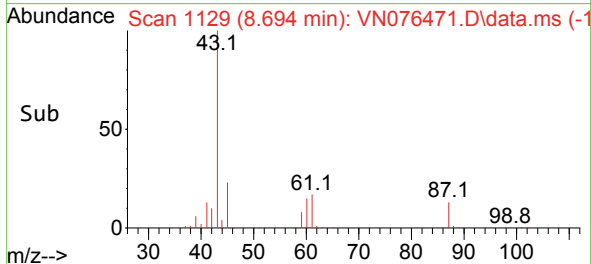
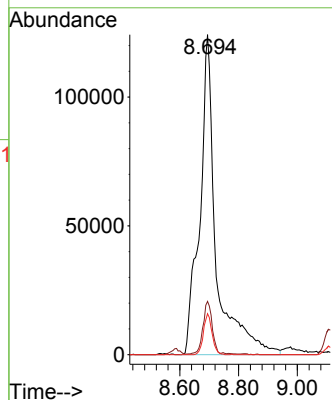
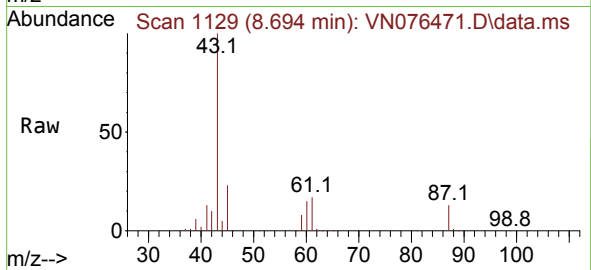




#43
Isopropyl Acetate
Concen: 61.626 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

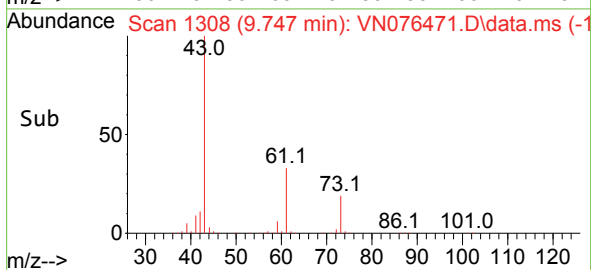
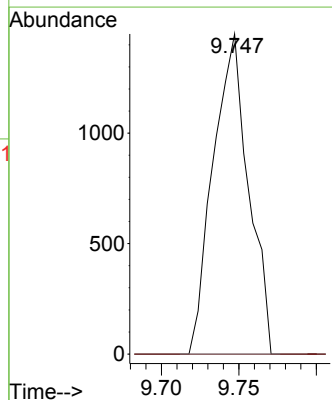
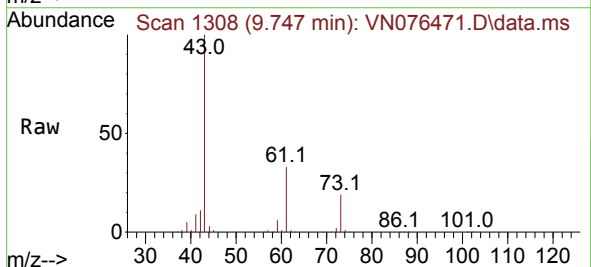
Instrument :
MSVOA_N
ClientSampleId :

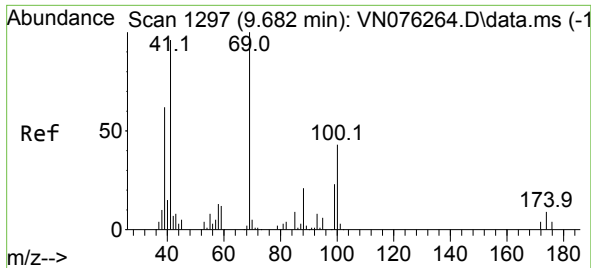
Tgt Ion: 43 Resp: 483254
Ion Ratio Lower Upper
43 100
61 9.1 23.5 35.3#
87 6.7 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.535 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 63 Resp: 2300
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

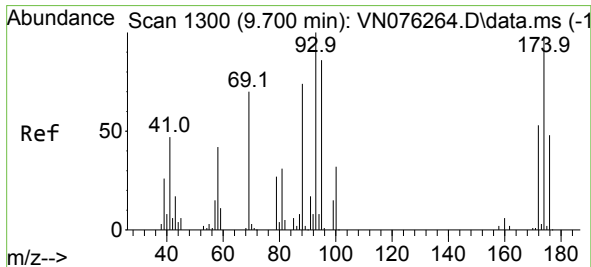
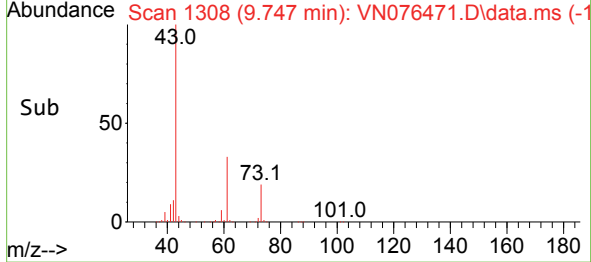
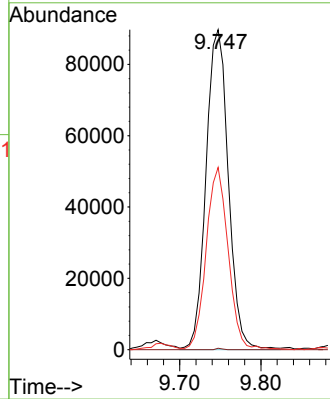
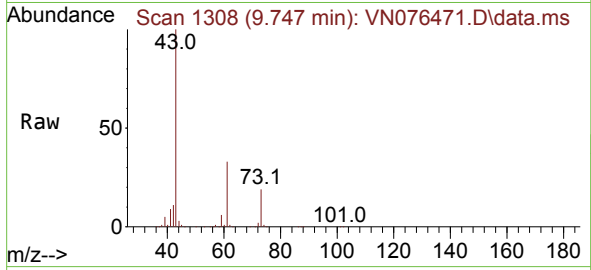




#48
Methyl methacrylate
Concen: 46.118 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

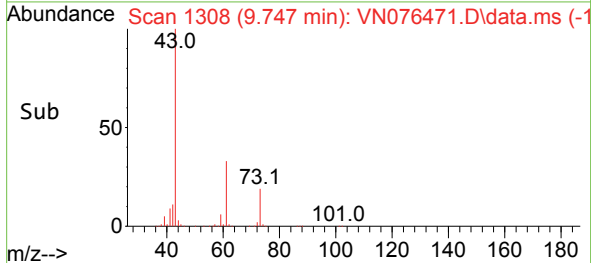
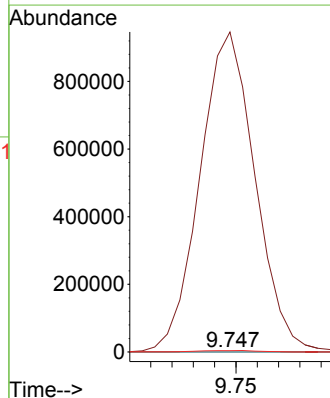
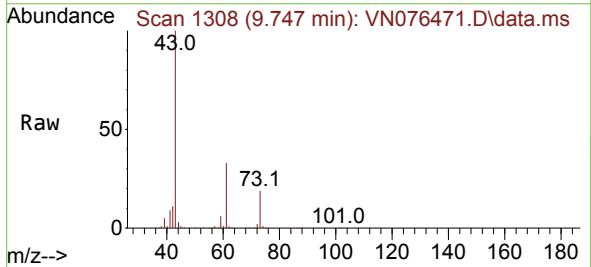
Instrument :
MSVOA_N
ClientSampleId :

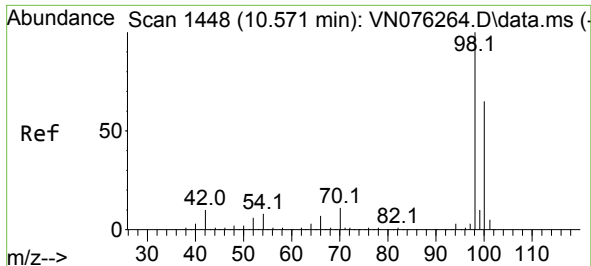
Tgt Ion: 41 Resp: 171210
Ion Ratio Lower Upper
41 100
69 0.1 80.8 121.2#
39 56.3 54.4 81.6



#49
1,4-Dioxane
Concen: 4.825 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 88 Resp: 378
Ion Ratio Lower Upper
88 100
43 452035.2 18.1 27.1#
58 2196.3 46.5 69.7#

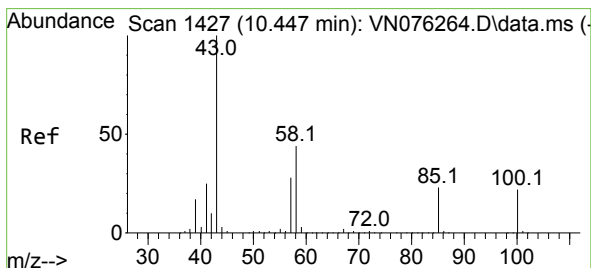
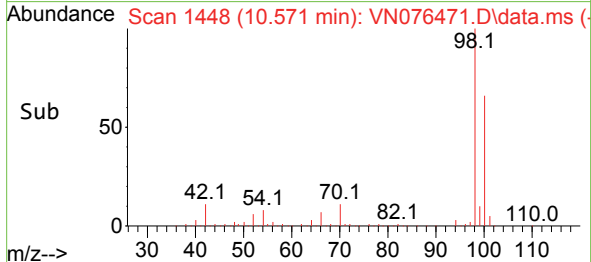
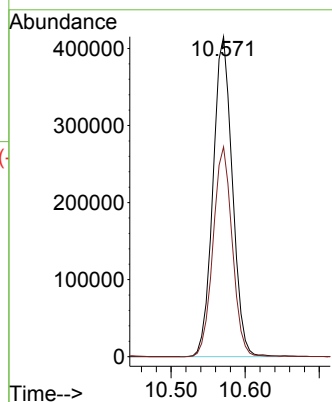
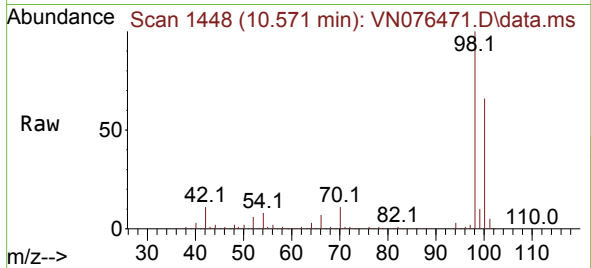




#50
Toluene-d8
Concen: 48.198 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

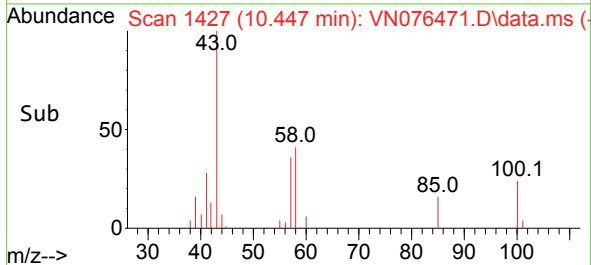
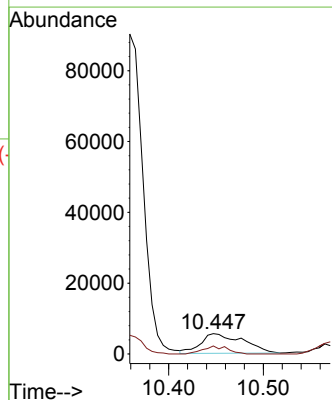
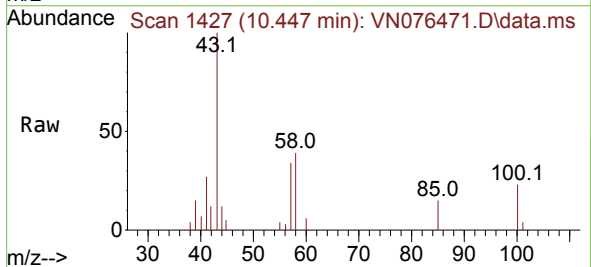
Instrument :
MSVOA_N
ClientSampleId :

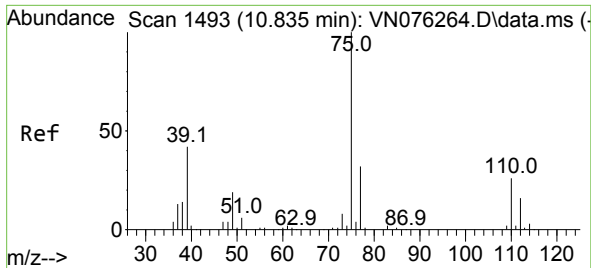
Tgt Ion: 98 Resp: 752826
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.776 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 43 Resp: 17383
Ion Ratio Lower Upper
43 100
58 23.0 35.1 52.7#

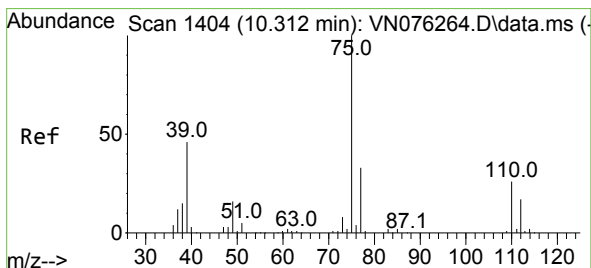
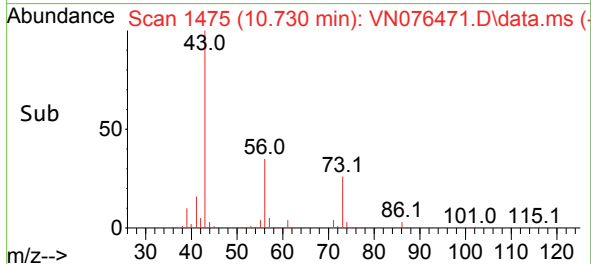
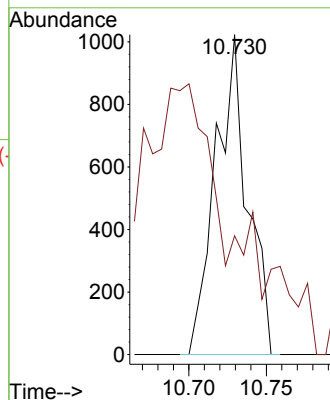
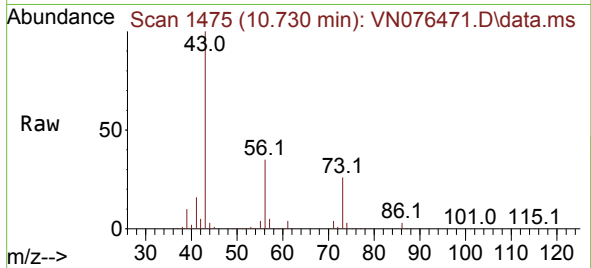




#53
 t-1,3-Dichloropropene
 Concen: 0.243 ug/l
 RT: 10.730 min Scan# 1411
 Delta R.T. -0.106 min
 Lab File: VN076471.D
 Acq: 30 Jan 2023 20:54

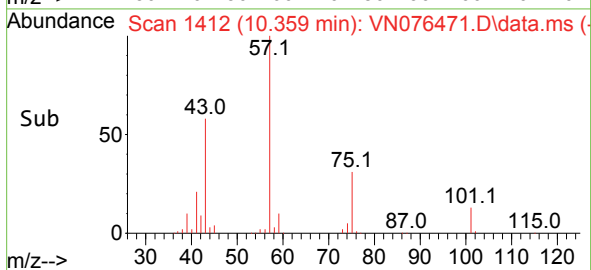
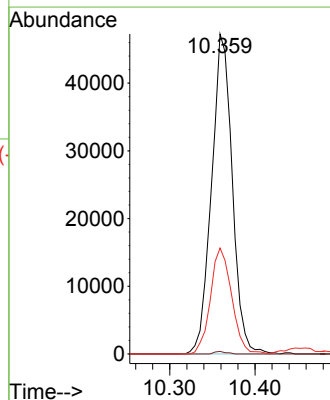
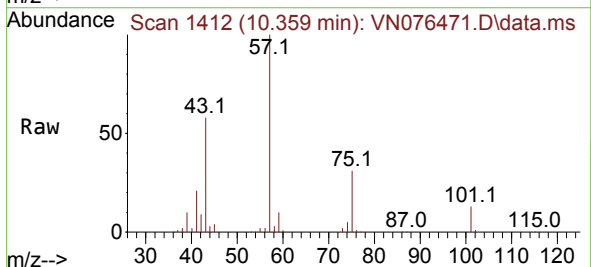
Instrument :
 MSVOA_N
 ClientSampleId :

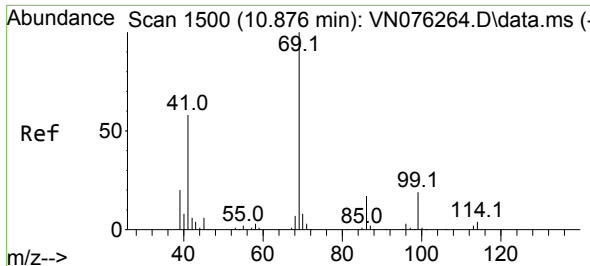
Tgt Ion: 75 Resp: 1460
 Ion Ratio Lower Upper
 75 100
 77 9.6 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 11.544 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076471.D
 Acq: 30 Jan 2023 20:54

Tgt Ion: 75 Resp: 79764
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.5 39.7#
 39 33.1 37.1 55.7#

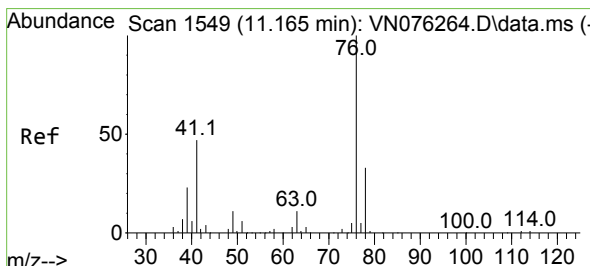
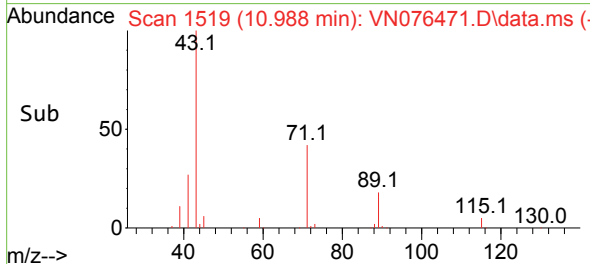
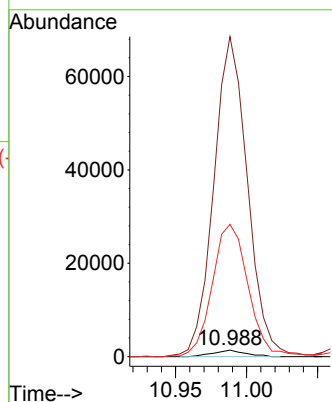
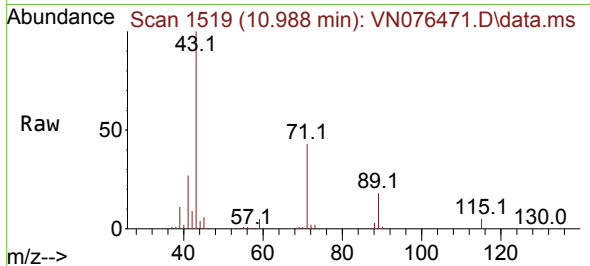




#56
Ethyl methacrylate
Concen: 0.376 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

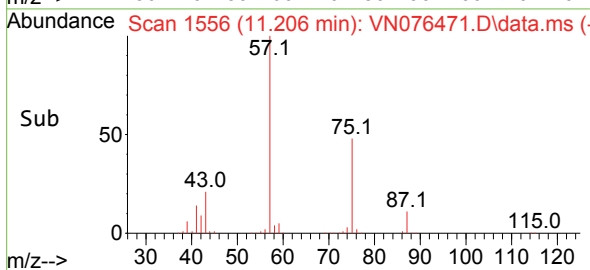
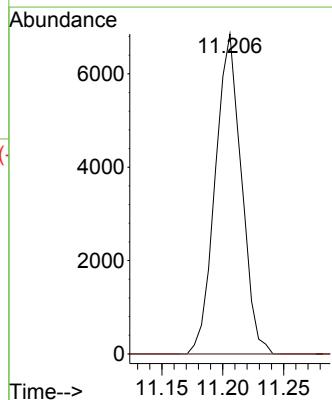
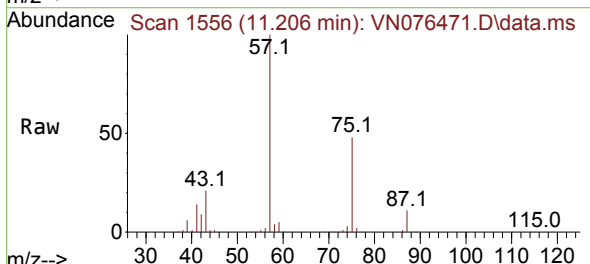
Instrument :
MSVOA_N
ClientSampleId :

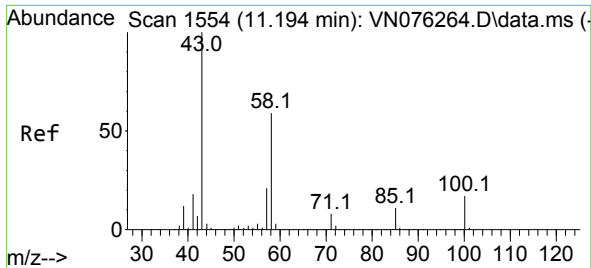
Tgt Ion: 69 Resp: 2227
Ion Ratio Lower Upper
69 100
41 5092.9 45.3 67.9#
39 2245.4 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.375 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 76 Resp: 10266
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

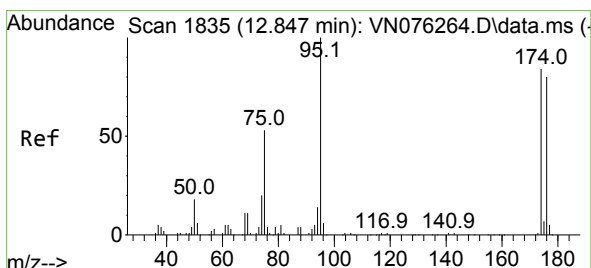
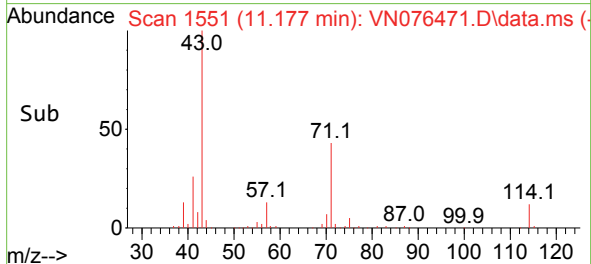
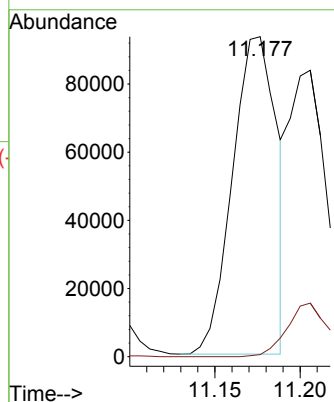
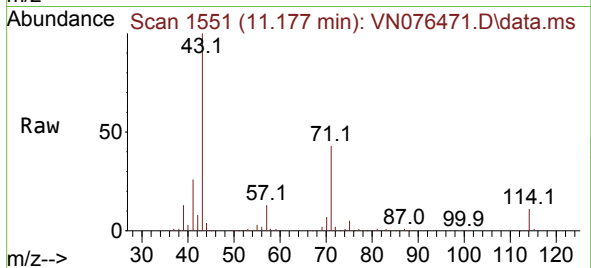




#59
2-Hexanone
Concen: 50.400 ug/l
RT: 11.177 min Scan# 11551
Delta R.T. -0.017 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

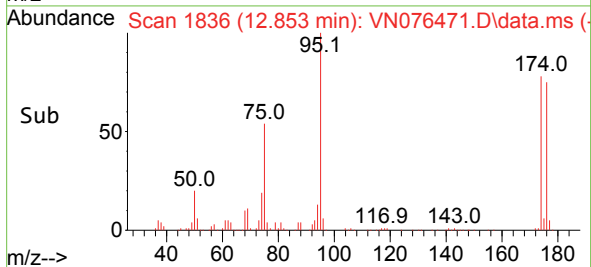
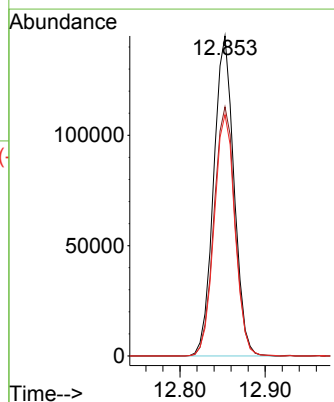
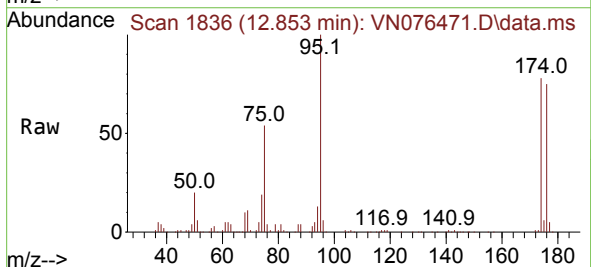
Instrument :
MSVOA_N
ClientSampleId :

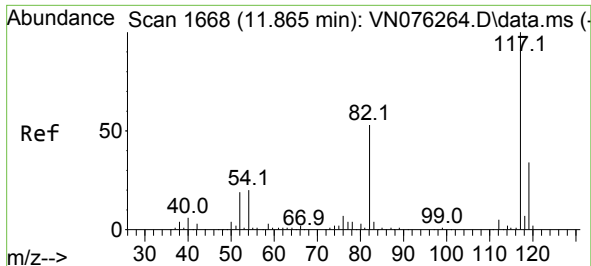
Tgt Ion: 43 Resp: 168129
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 47.124 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion: 95 Resp: 240283
Ion Ratio Lower Upper
95 100
174 80.6 0.0 174.6
176 77.1 0.0 167.8

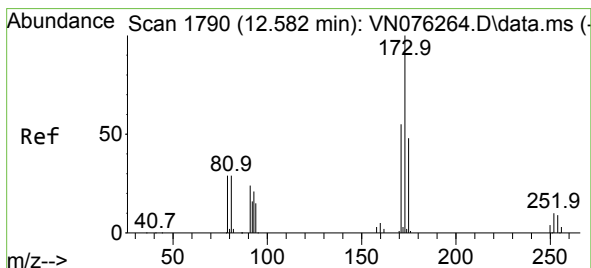
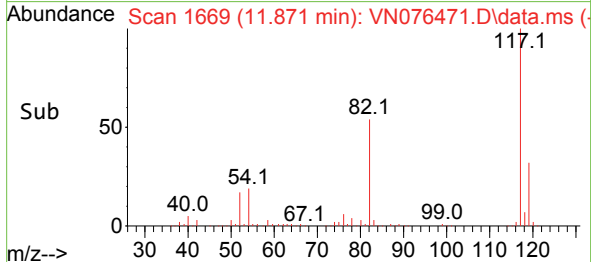
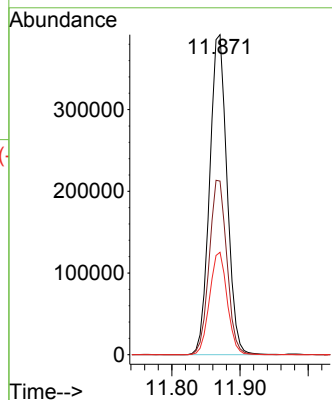
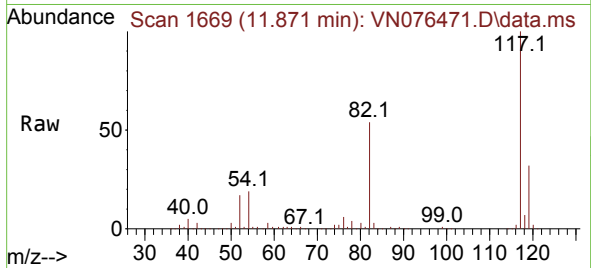




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

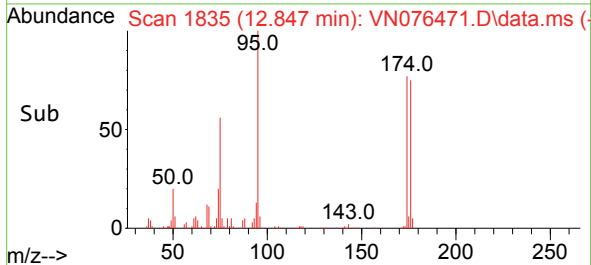
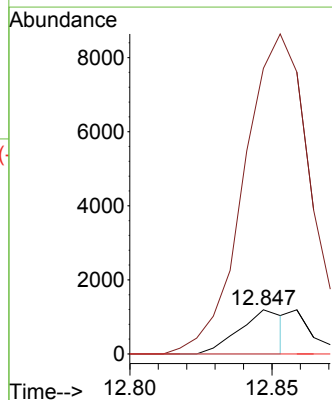
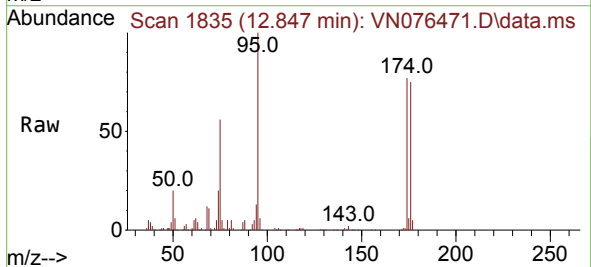
Instrument :
MSVOA_N
ClientSampleId :

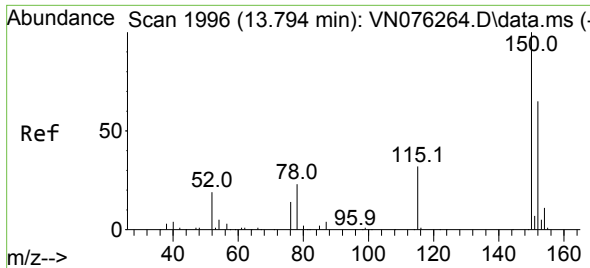
Tgt Ion:117 Resp: 697047
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.2
119 32.0 26.9 40.3



#71
Bromoform
Concen: 0.327 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076471.D
Acq: 30 Jan 2023 20:54

Tgt Ion:173 Resp: 1293
Ion Ratio Lower Upper
173 100
175 908.7 24.1 72.4#
254 0.0 0.0 0.0

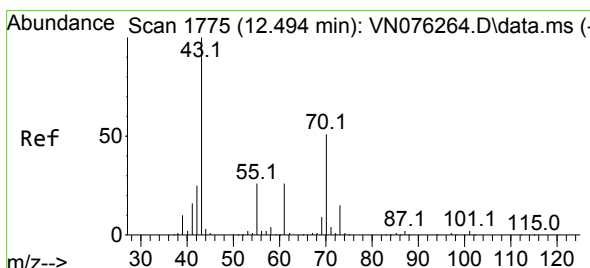
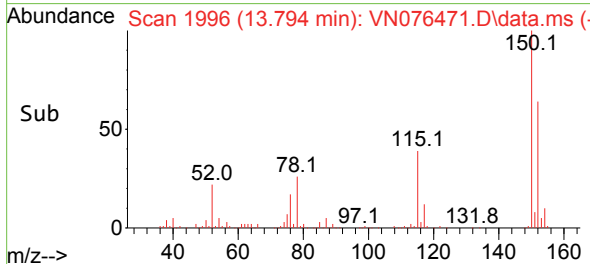
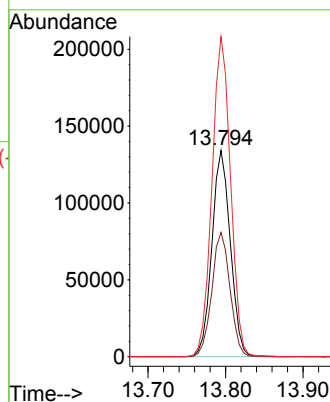
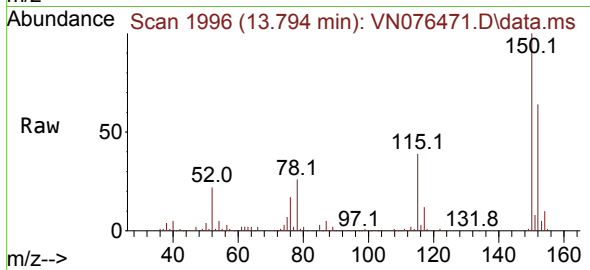




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN076471.D
 Acq: 30 Jan 2023 20:54

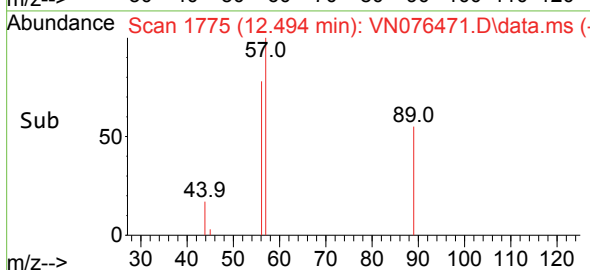
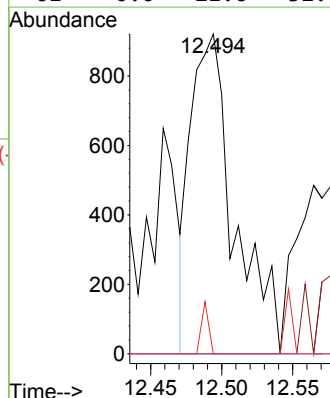
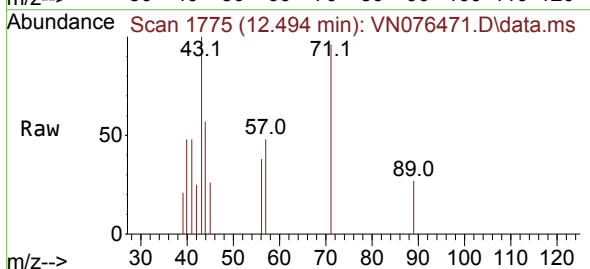
Instrument :
 MSVOA_N
 ClientSampleId :

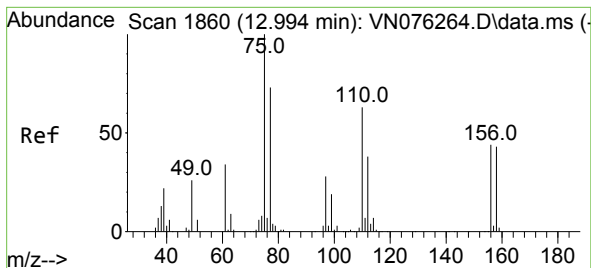
Tgt Ion:152 Resp: 221333
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.6 88.9
 150 156.4 0.0 351.4



#74
 N-ethyl acetate
 Concen: 0.397 ug/l
 RT: 12.494 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: VN076471.D
 Acq: 30 Jan 2023 20:54

Tgt Ion: 43 Resp: 1956
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.2 61.8#
 55 0.0 21.0 31.6#
 61 0.0 21.6 32.4#





#76

1,2,3-Trichloropropane

Concen: 31.352 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076471.D

Acq: 30 Jan 2023 20:54

Instrument :

MSVOA_N

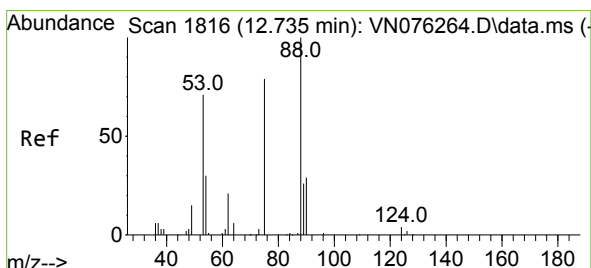
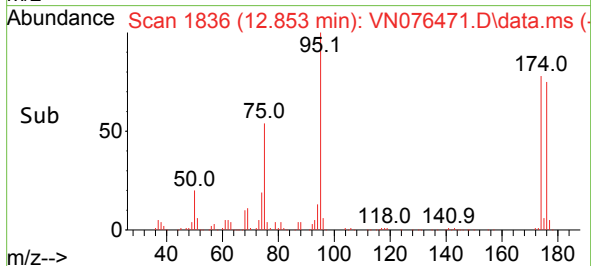
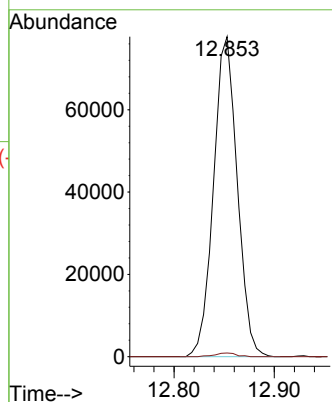
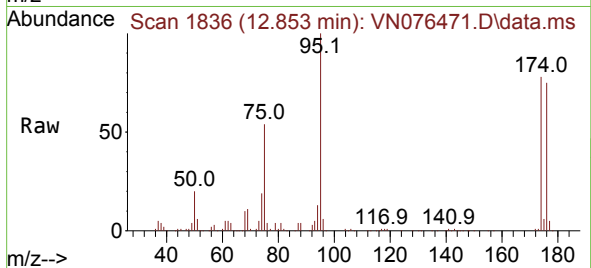
ClientSampleId :

Tgt Ion: 75 Resp: 127840

Ion Ratio Lower Upper

75 100

77 1.1 75.2 225.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.101 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN076471.D

Acq: 30 Jan 2023 20:54

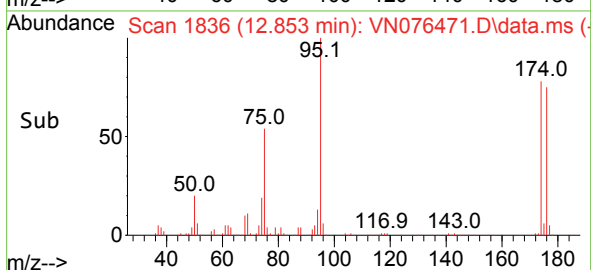
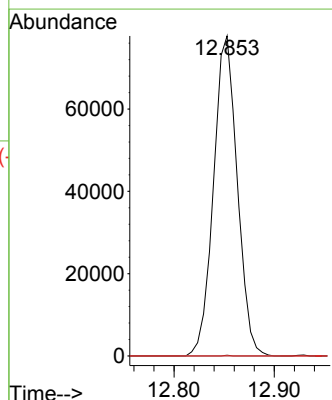
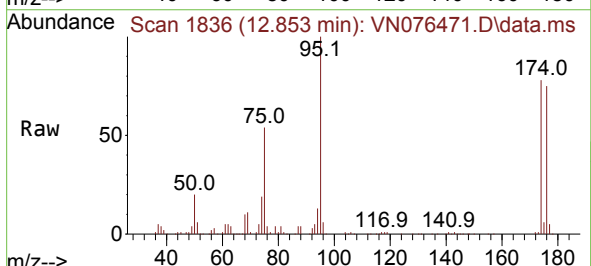
Tgt Ion: 75 Resp: 127840

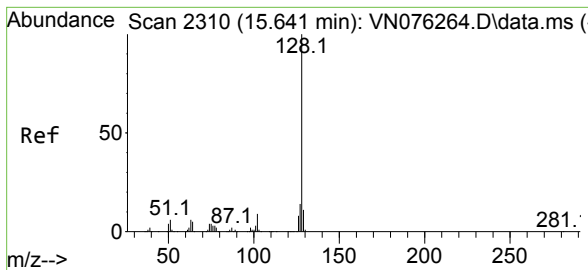
Ion Ratio Lower Upper

75 100

53 0.1 75.8 113.8#

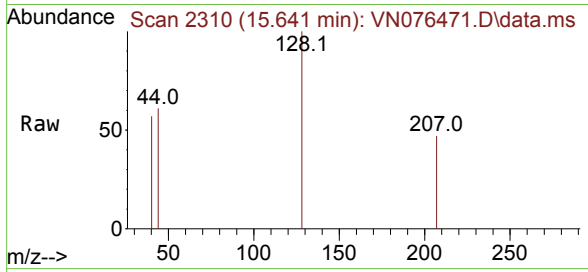
89 0.0 37.0 55.6#





#95
 Naphthalene
 Concen: 1.923 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076471.D
 Acq: 30 Jan 2023 20:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	1006
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

