

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076519.D
 Acq On : 02 Feb 2023 18:52
 Operator : JC\MD
 Sample : PB150614ZHE#5
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#5

Quant Time: Feb 03 01:04:58 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

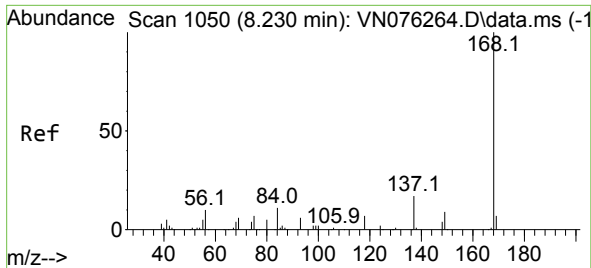
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	553744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	940702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	843675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	323369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	327101	52.757	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.520%			
35) Dibromofluoromethane	8.171	113	278751	47.371	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.740%			
50) Toluene-d8	10.571	98	1106758	50.927	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%			
62) 4-Bromofluorobenzene	12.853	95	361890	51.010	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.020%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	922	1.112	ug/l #	72
16) Acetone	4.453	43	42550	21.341	ug/l	94
18) Methyl Acetate	5.053	43	6039	0.897	ug/l	94
20) Methylene Chloride	5.295	84	28506	4.296	ug/l	91
25) 2-Butanone	7.500	43	5177	1.705	ug/l #	79
31) Cyclohexane	8.230	56	11061	1.161	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	43503	5.203	ug/l #	49
37) Ethyl Acetate	7.571	43	57524	8.607	ug/l	97
38) Carbon Tetrachloride	8.230	117	58702	6.295	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	2584	0.302	ug/l #	73
43) Isopropyl Acetate	8.694	43	438947	40.231	ug/l #	77
45) 1,2-Dichloropropane	9.753	63	3777	0.631	ug/l #	42
48) Methyl methacrylate	9.671	41	7219	1.398	ug/l #	33
49) 1,4-Dioxane	9.741	88	484	4.441	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12804	1.999	ug/l	92
53) t-1,3-Dichloropropene	10.729	75	2158	0.258	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	123543	12.851	ug/l #	60
56) Ethyl methacrylate	10.988	69	3104	0.376	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	15467	1.489	ug/l #	42
59) 2-Hexanone	11.171	43	250969	54.071	ug/l #	21
71) Bromoform	12.847	173	1710	0.357	ug/l #	1
74) N-amyl acetate	12.488	43	3211	0.446	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	188598	31.667	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	188598	97.039	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	143	1.330	ug/l #	52
95) Naphthalene	15.647	128	1062	1.900	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.847	180	57	1.164	ug/l #	21

(#) = 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
Response via : Initial Calibration

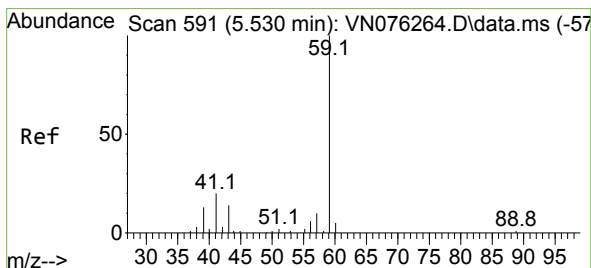
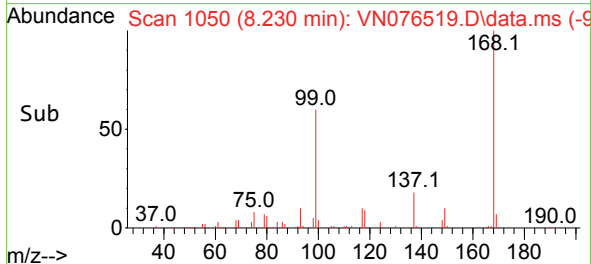
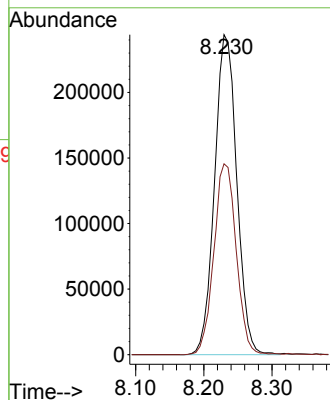
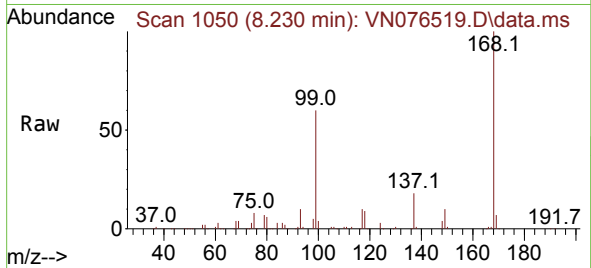




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

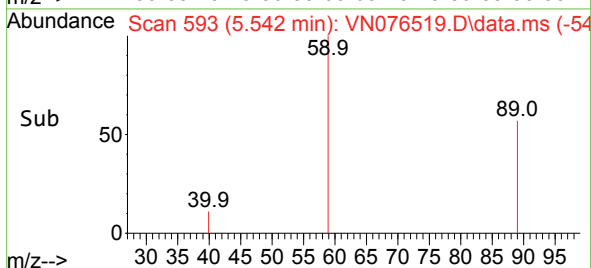
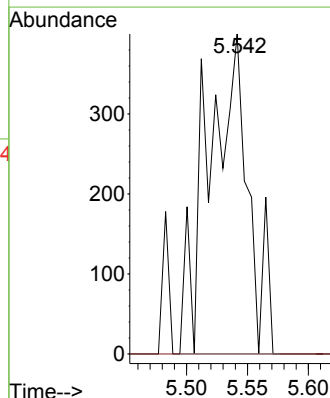
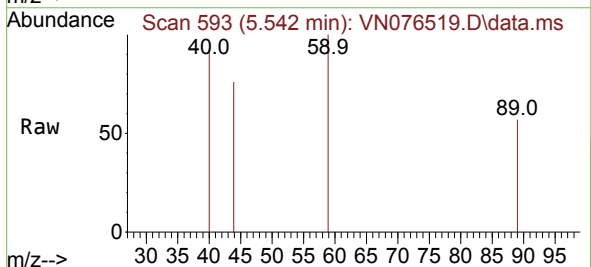
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

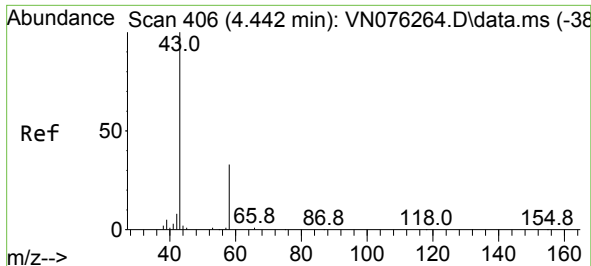
Tgt Ion:168 Resp: 553744
Ion Ratio Lower Upper
168 100
99 59.6 41.6 62.4



#11
Tert butyl alcohol
Concen: 1.112 ug/l
RT: 5.542 min Scan# 593
Delta R.T. 0.012 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 59 Resp: 922
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

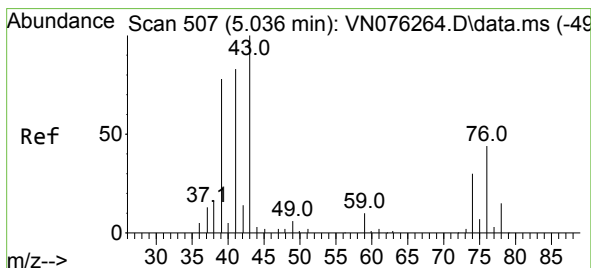
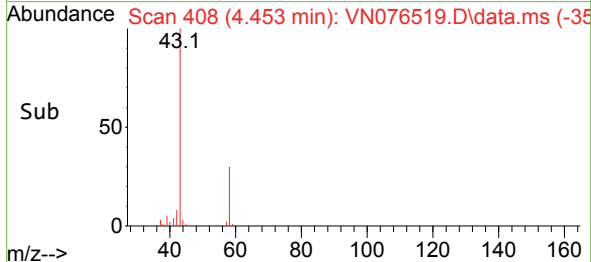
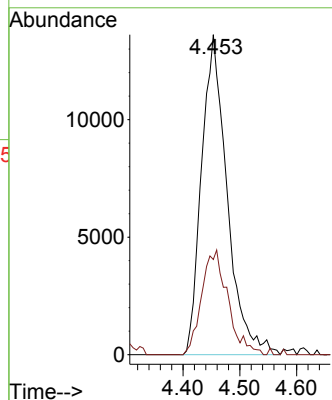
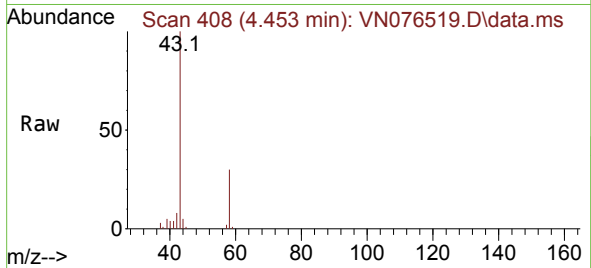




#16
Acetone
Concen: 21.341 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

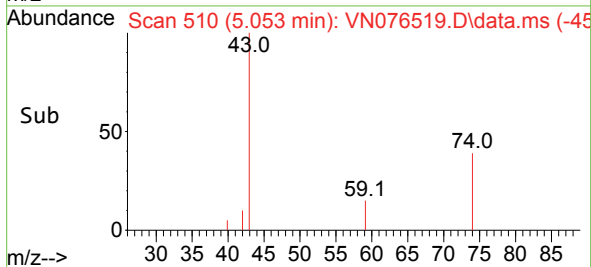
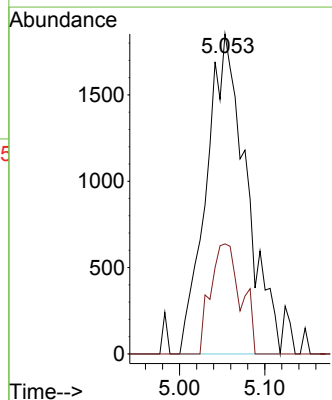
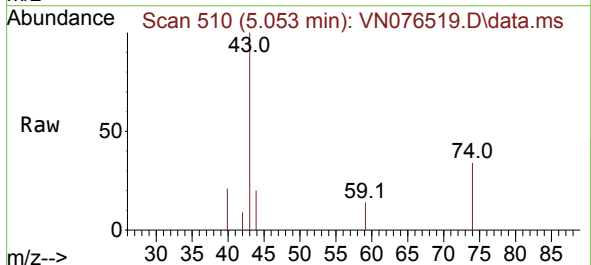
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

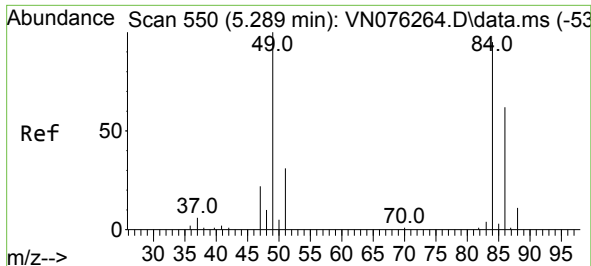
Tgt Ion: 43 Resp: 42550
Ion Ratio Lower Upper
43 100
58 29.8 26.7 40.1



#18
Methyl Acetate
Concen: 0.897 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

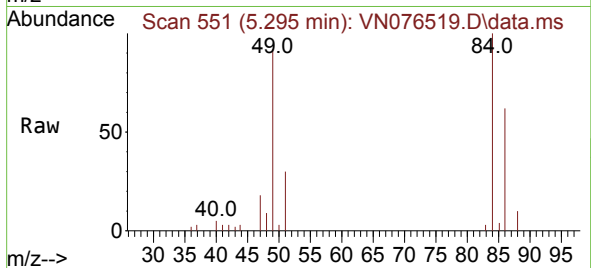
Tgt Ion: 43 Resp: 6039
Ion Ratio Lower Upper
43 100
74 26.0 23.3 34.9



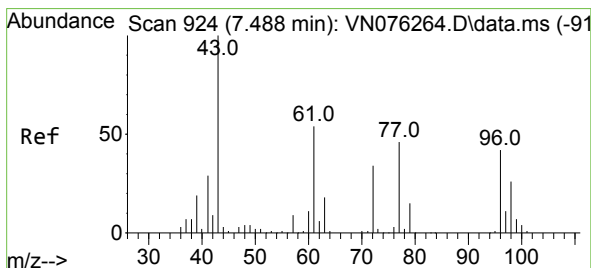
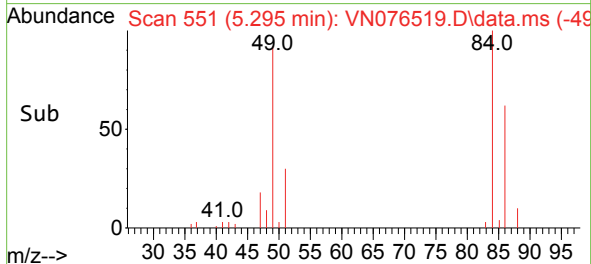
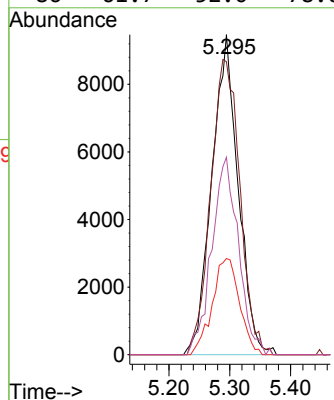


#20
Methylene Chloride
Concen: 4.296 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

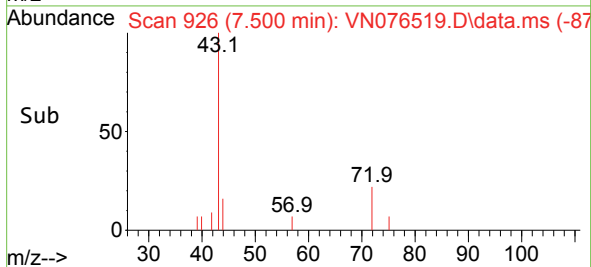
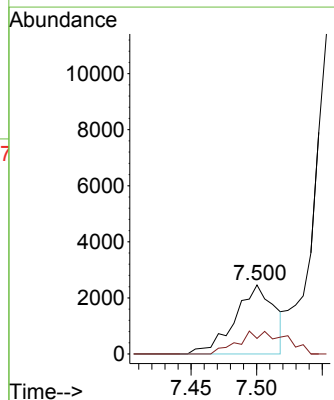
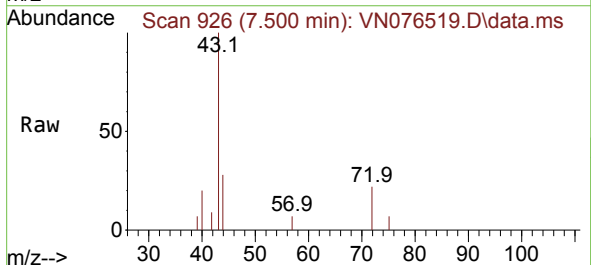


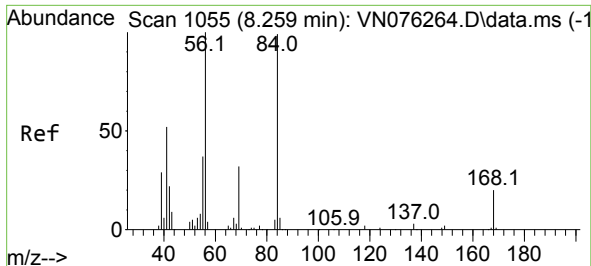
Tgt Ion:	84	Resp:	28506
Ion	Ratio	Lower	Upper
84	100		
49	91.6	84.5	126.7
51	30.1	26.0	39.0
86	61.7	52.0	78.0



#25
2-Butanone
Concen: 1.705 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

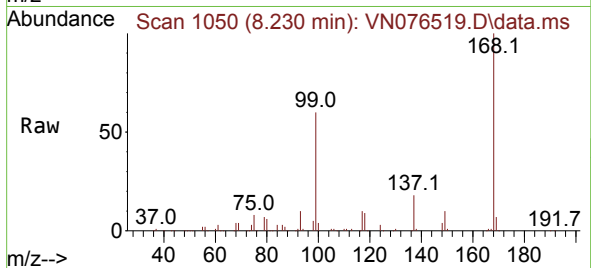
Tgt Ion:	43	Resp:	5177
Ion	Ratio	Lower	Upper
43	100		
72	22.5	27.4	41.2#



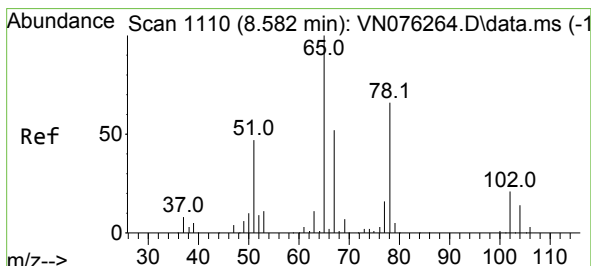
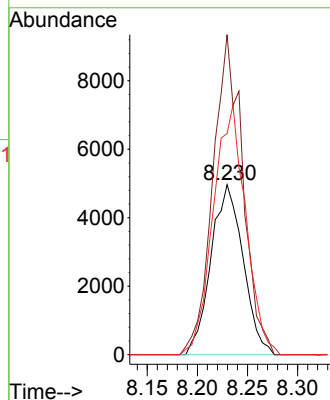
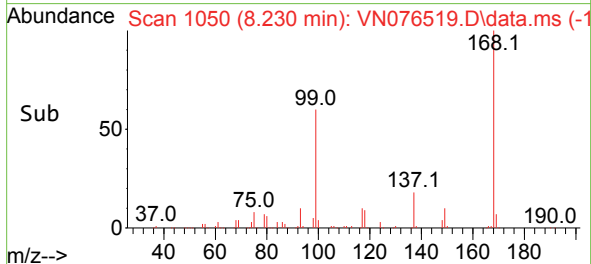


#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.230 min Scan# 11061
Delta R.T. -0.029 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Instrument :
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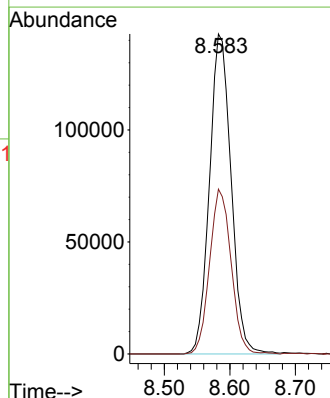
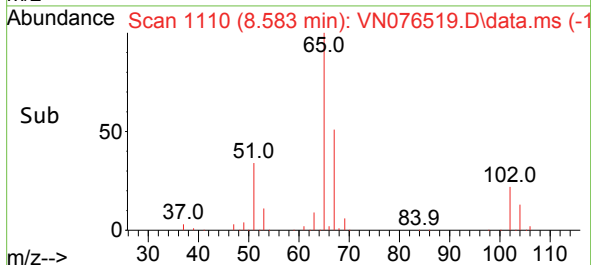
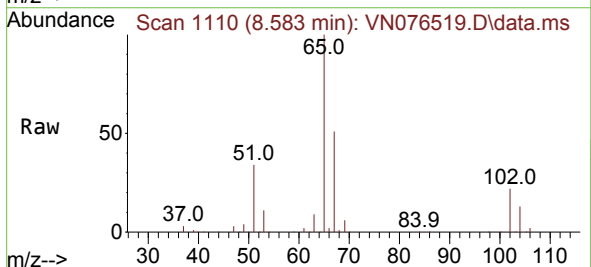


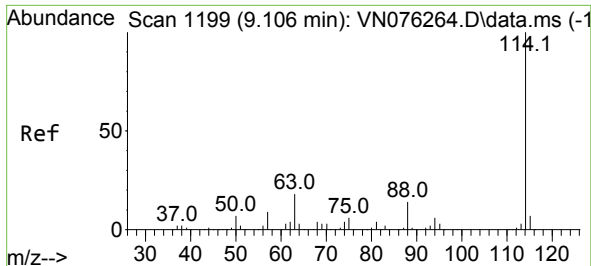
Tgt Ion: 56 Resp: 11061
Ion Ratio Lower Upper
56 100
69 188.4 25.8 38.8#
84 130.2 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 52.757 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 65 Resp: 327101
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.6

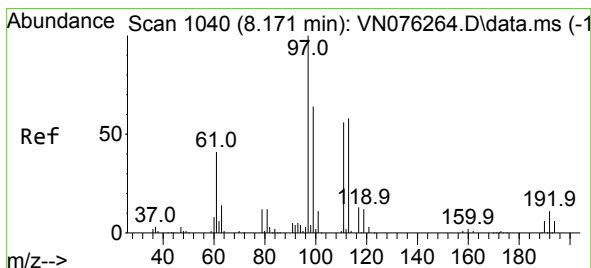
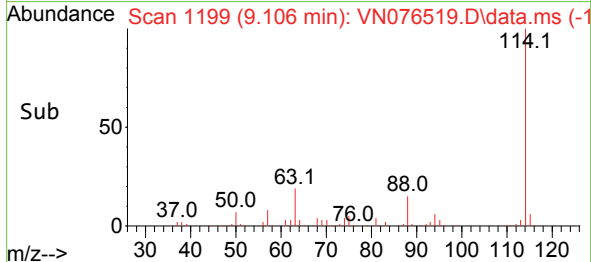
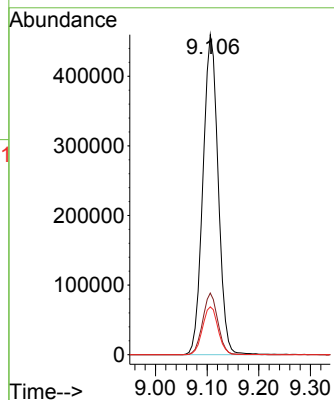
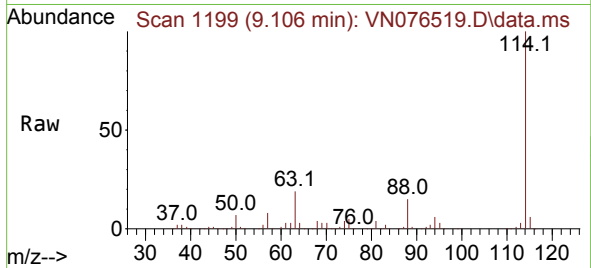




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

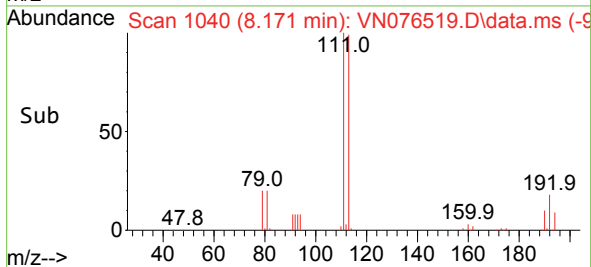
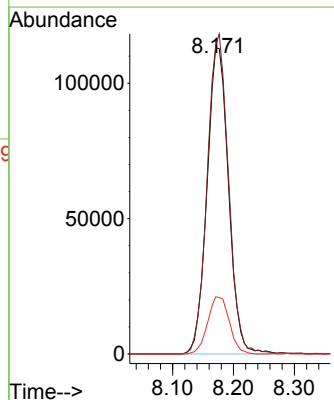
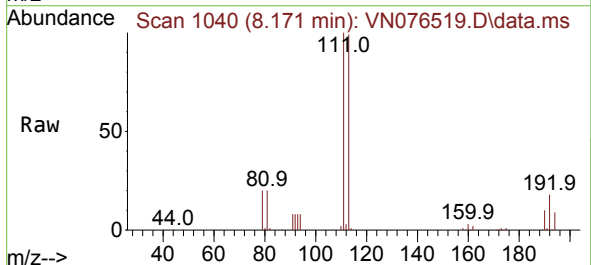
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ClientSampleId :
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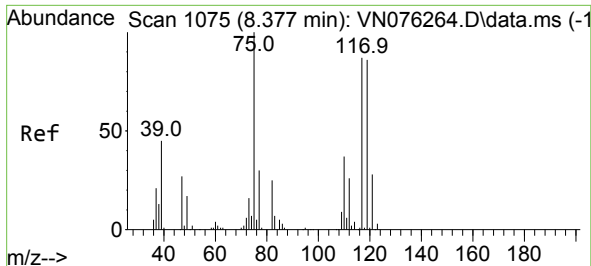
Tgt Ion:114 Resp: 940702
Ion Ratio Lower Upper
114 100
63 19.2 0.0 35.8
88 14.9 0.0 28.0



#35
Dibromofluoromethane
Concen: 47.371 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion:113 Resp: 278751
Ion Ratio Lower Upper
113 100
111 103.1 82.7 124.1
192 18.7 15.6 23.4

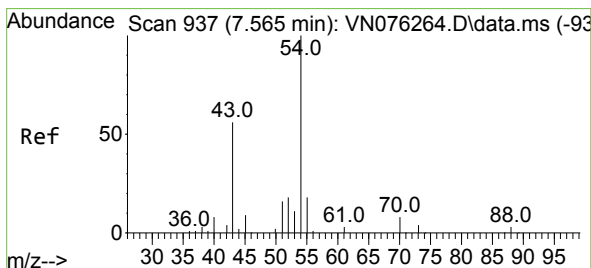
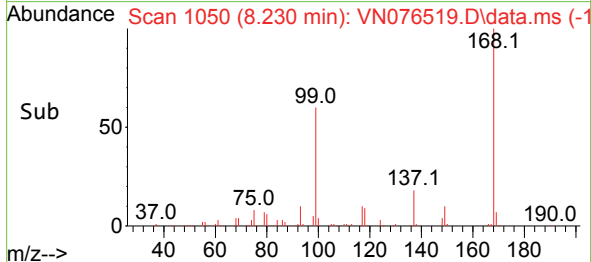
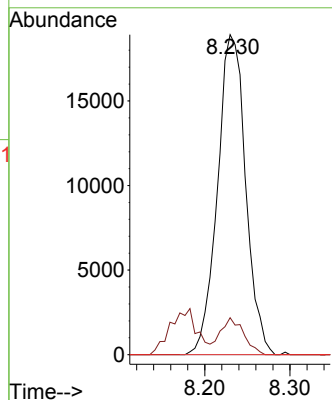
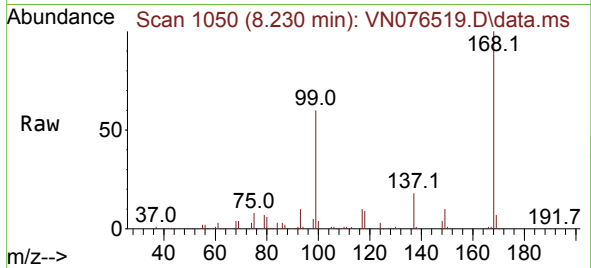




#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

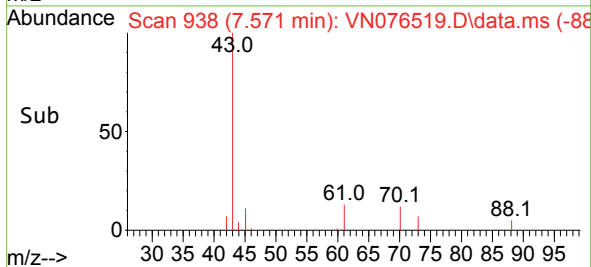
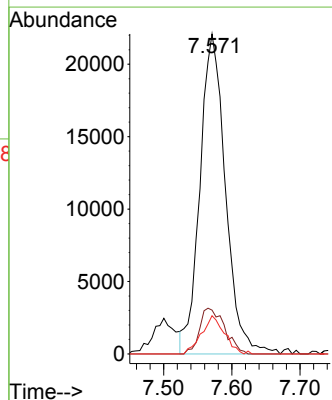
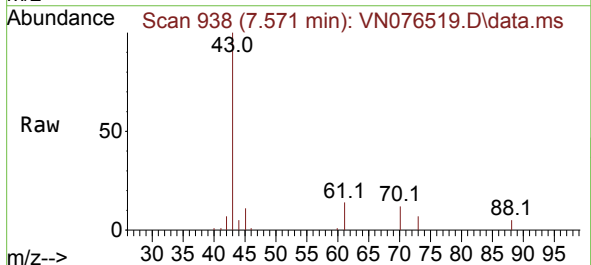
Instrument :
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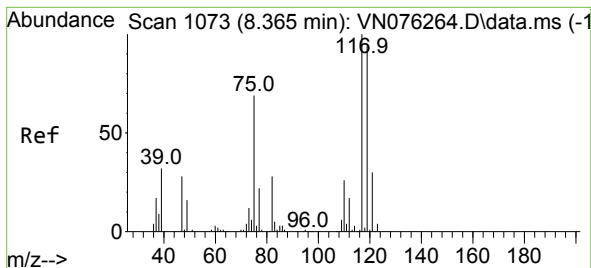
Tgt Ion: 75 Resp: 43503
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.607 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 43 Resp: 57524
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 10.6 10.0 15.0





#38

Carbon Tetrachloride

Concen: 6.295 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN076519.D

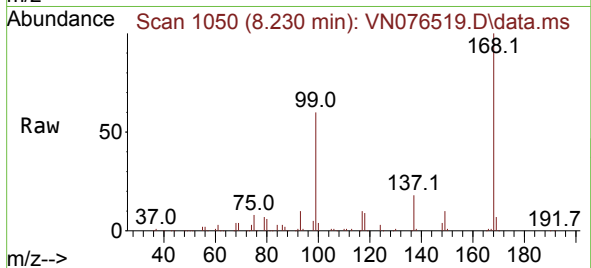
Acq: 02 Feb 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#5



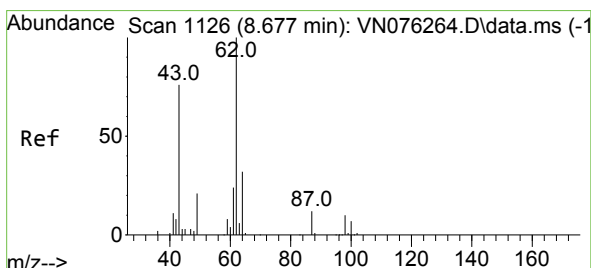
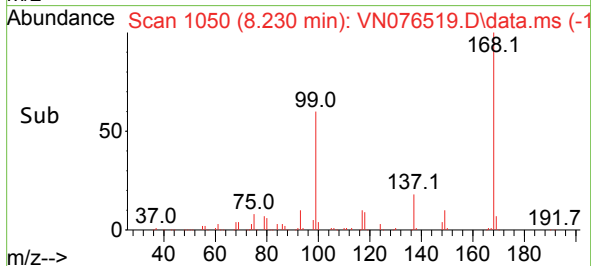
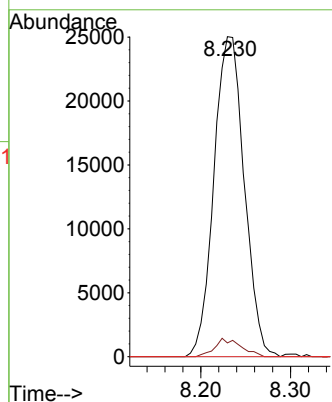
Tgt Ion:117 Resp: 58702

Ion Ratio Lower Upper

117 100

119 4.3 75.4 113.0#

121 0.0 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 0.302 ug/l

RT: 8.677 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN076519.D

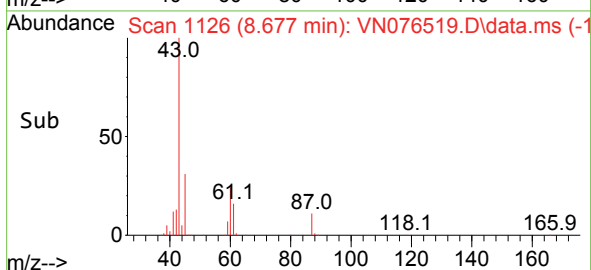
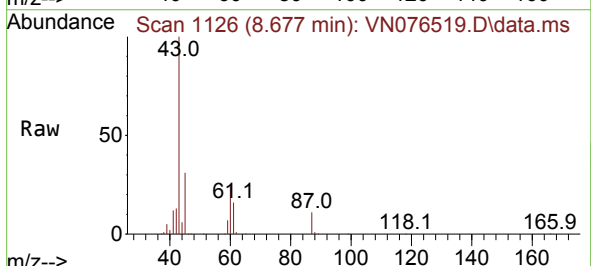
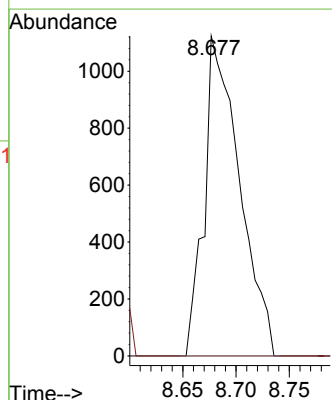
Acq: 02 Feb 2023 18:52

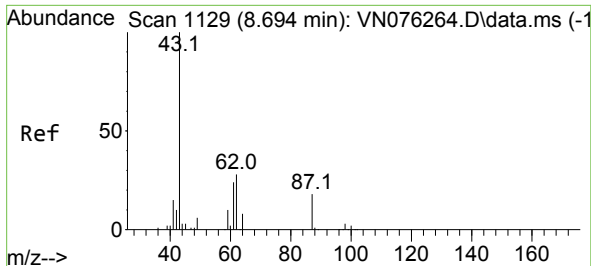
Tgt Ion: 62 Resp: 2584

Ion Ratio Lower Upper

62 100

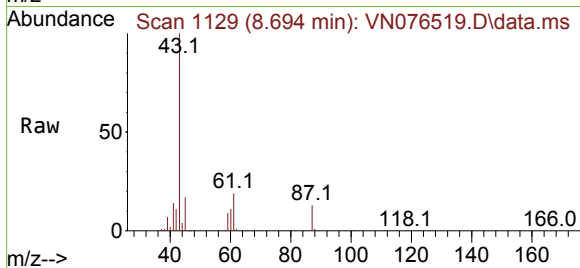
98 0.0 0.0 20.4



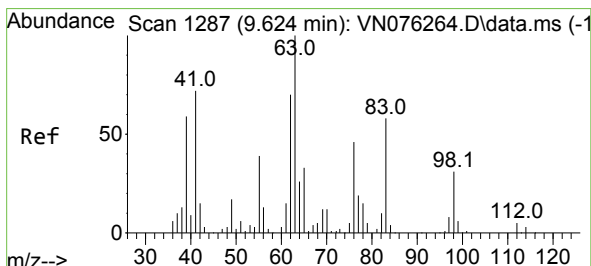
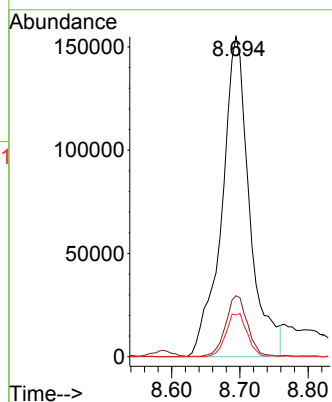
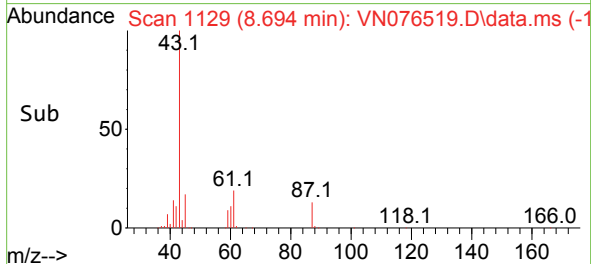


#43
Isopropyl Acetate
Concen: 40.231 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

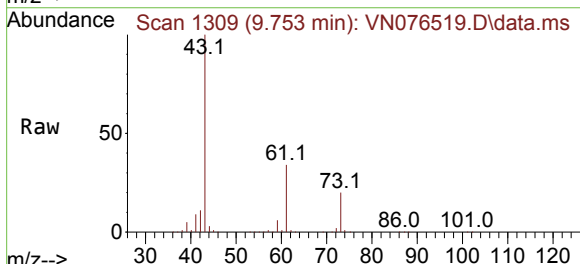
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5



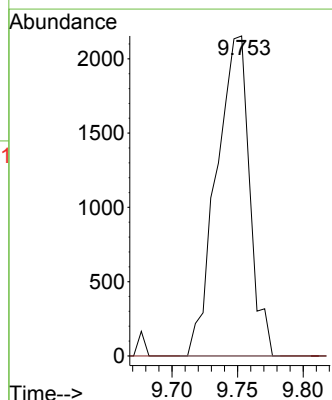
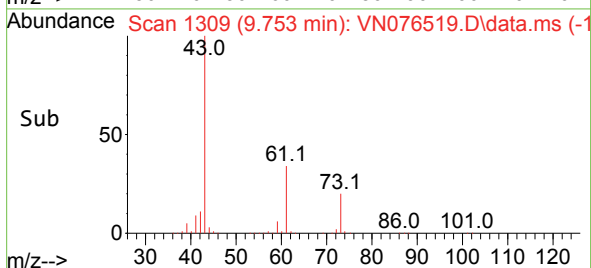
Tgt Ion: 43 Resp: 438947
Ion Ratio Lower Upper
43 100
61 15.1 23.5 35.3#
87 10.3 13.8 20.6#

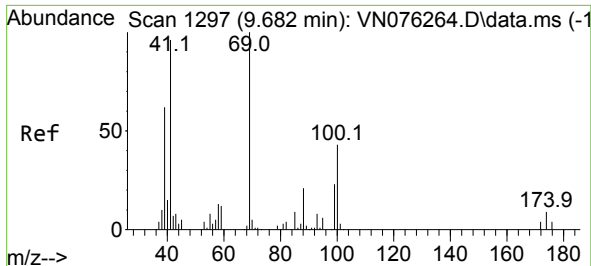


#45
1,2-Dichloropropane
Concen: 0.631 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.129 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52



Tgt Ion: 63 Resp: 3777
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

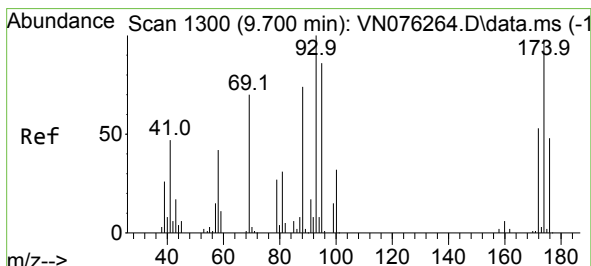
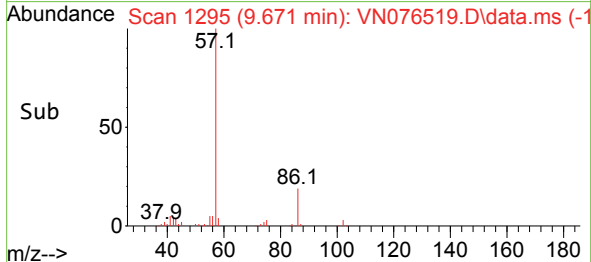
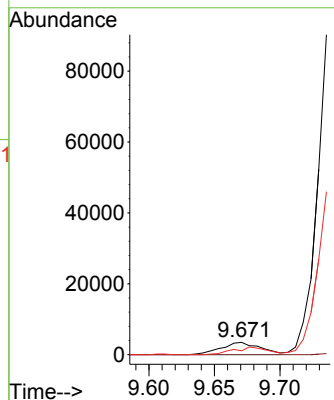
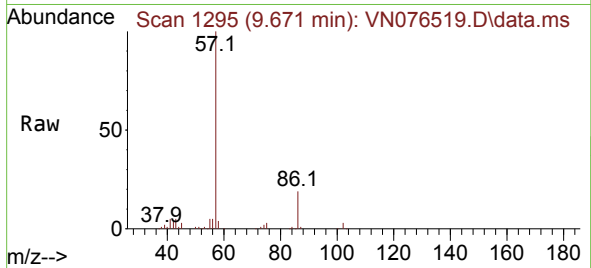




#48
Methyl methacrylate
Concen: 1.398 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

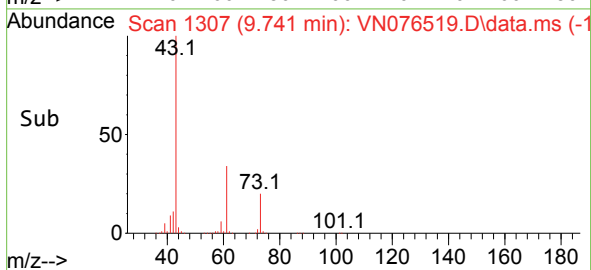
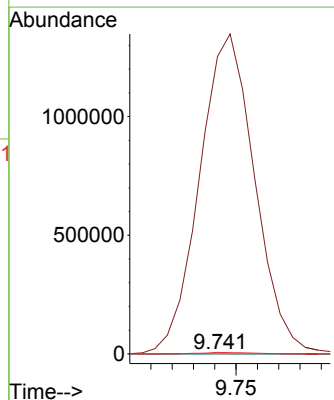
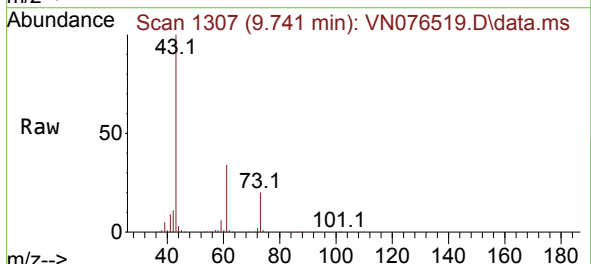
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

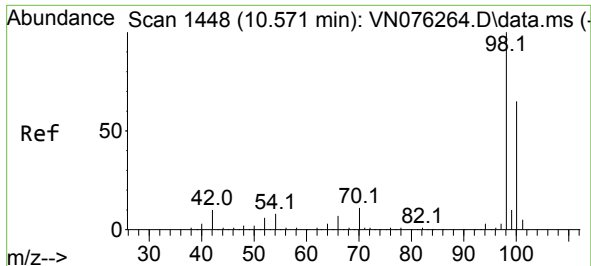
Tgt Ion: 41 Resp: 7219
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 53.4 54.4 81.6#



#49
1,4-Dioxane
Concen: 4.441 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 88 Resp: 484
Ion Ratio Lower Upper
88 100
43 504735.3 18.1 27.1#
58 2361.2 46.5 69.7#

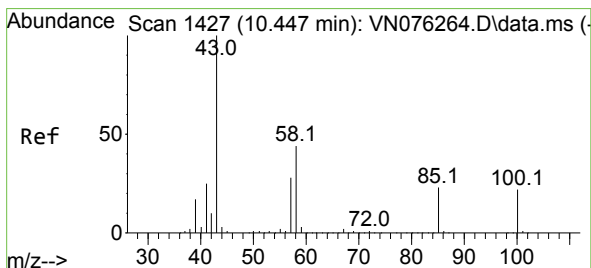
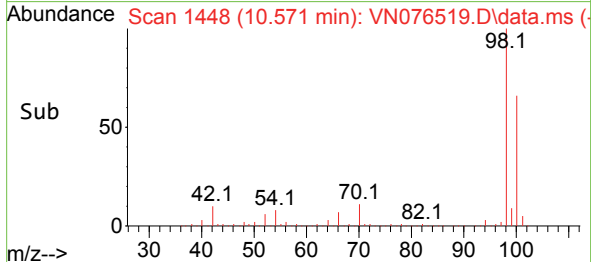
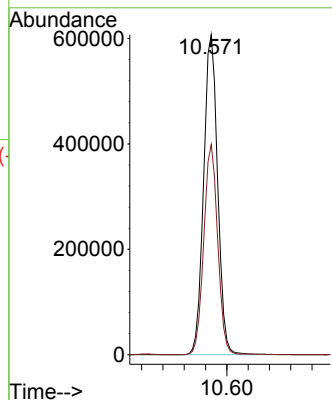
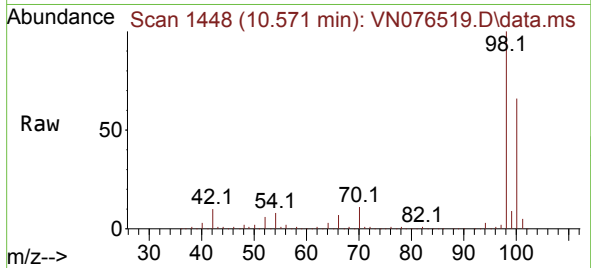




#50
Toluene-d8
Concen: 50.927 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

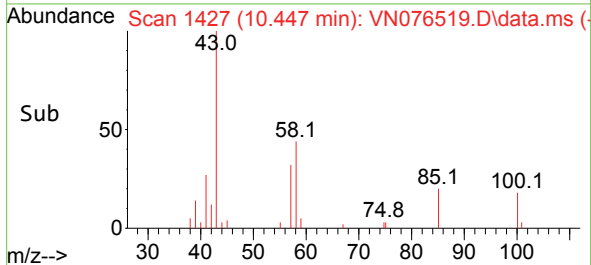
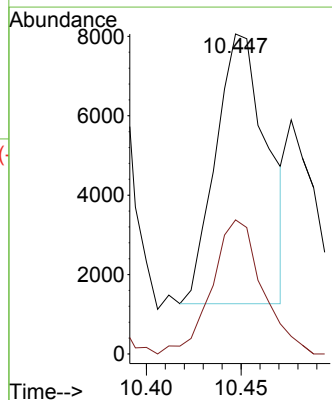
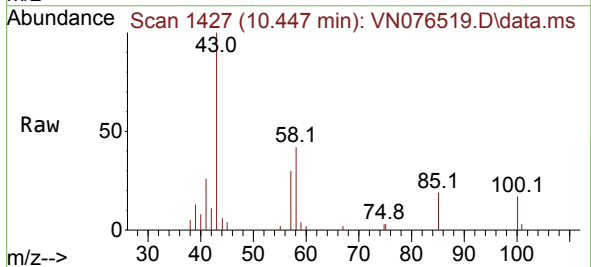
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

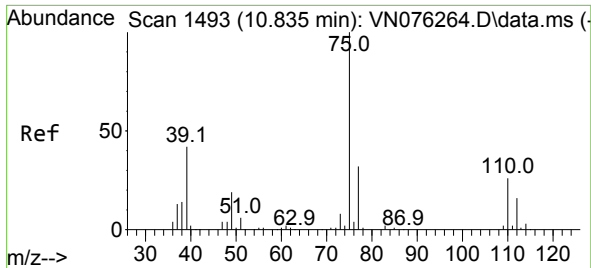
Tgt Ion: 98 Resp: 1106758
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.999 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 43 Resp: 12804
Ion Ratio Lower Upper
43 100
58 48.9 35.1 52.7

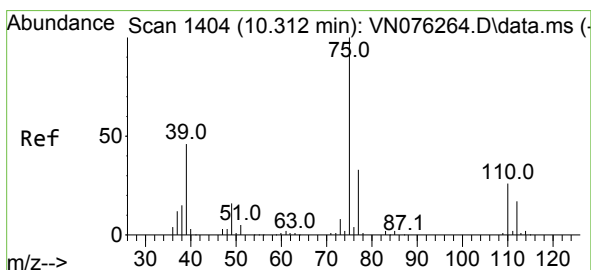
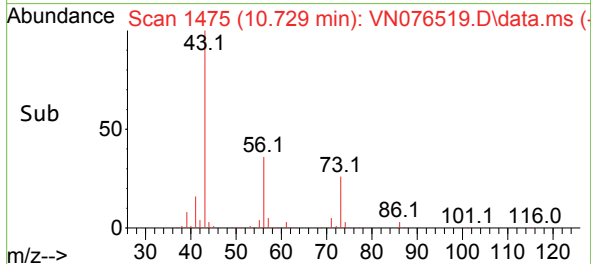
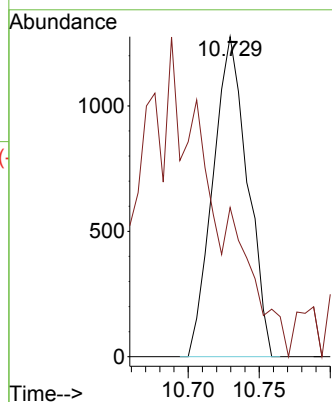
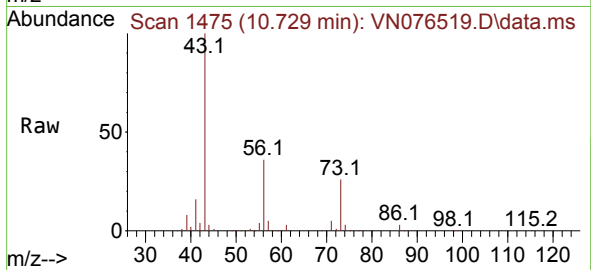




#53
 t-1,3-Dichloropropene
 Concen: 0.258 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076519.D
 Acq: 02 Feb 2023 18:52

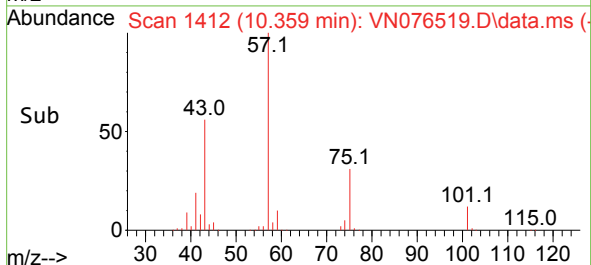
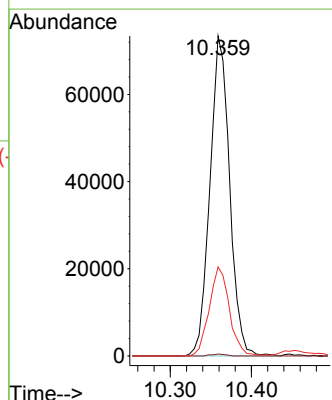
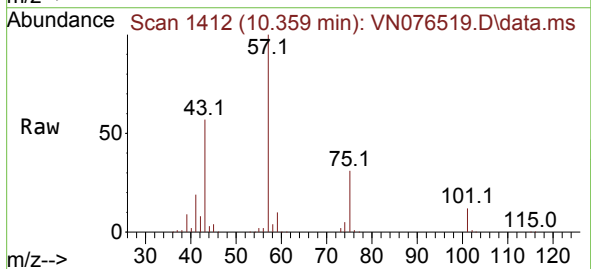
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#5

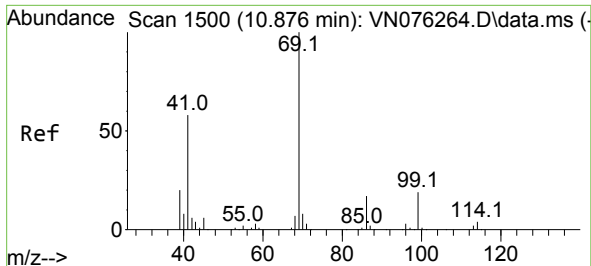
Tgt Ion: 75 Resp: 2158
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 12.851 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076519.D
 Acq: 02 Feb 2023 18:52

Tgt Ion: 75 Resp: 123543
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.5 39.7#
 39 27.8 37.1 55.7#

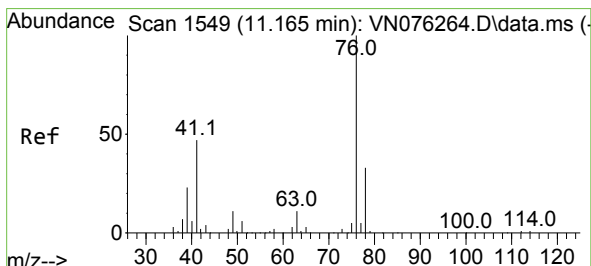
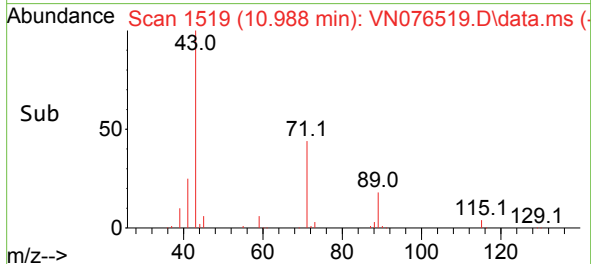
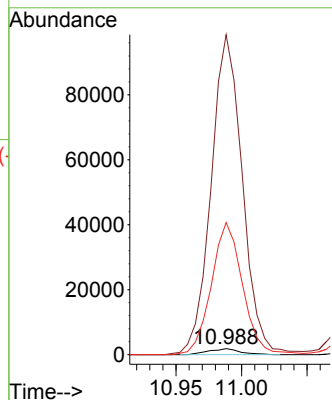
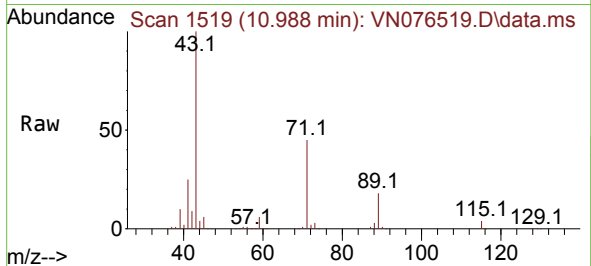




#56
Ethyl methacrylate
Concen: 0.376 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

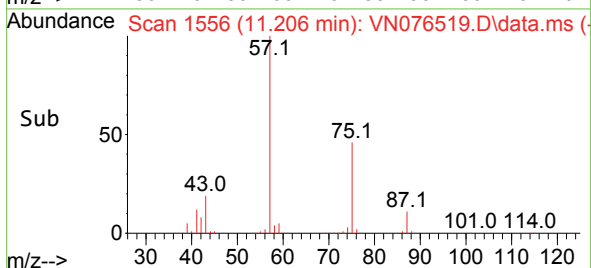
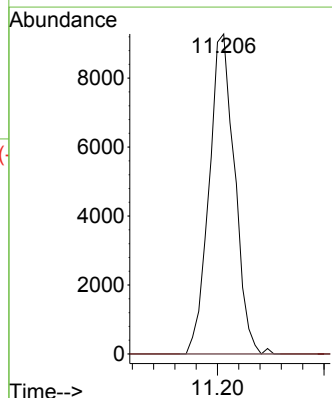
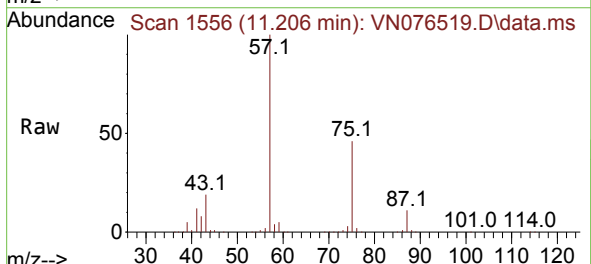
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

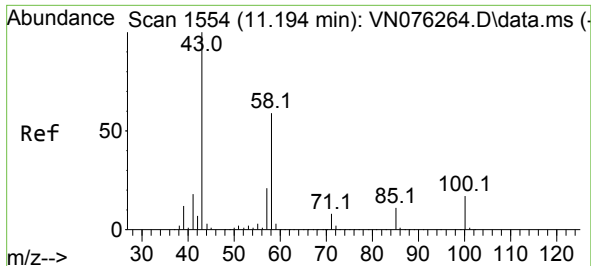
Tgt Ion: 69 Resp: 3104
Ion Ratio Lower Upper
69 100
41 5283.6 45.3 67.9#
39 2172.0 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.489 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 76 Resp: 15467
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

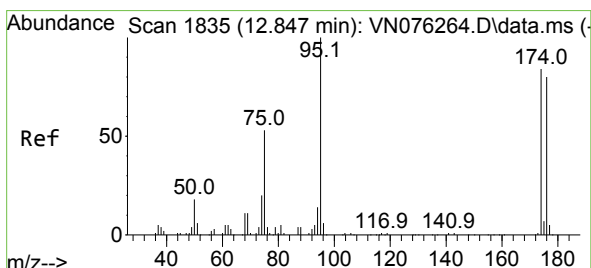
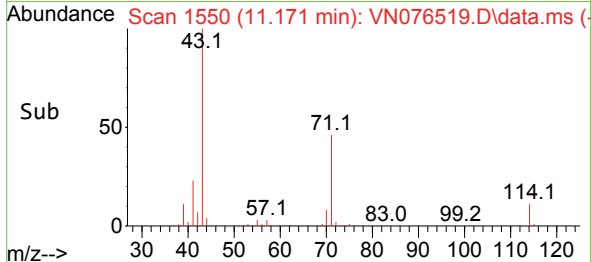
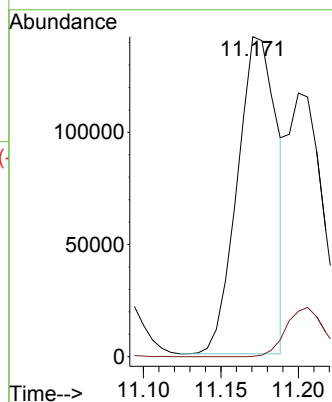
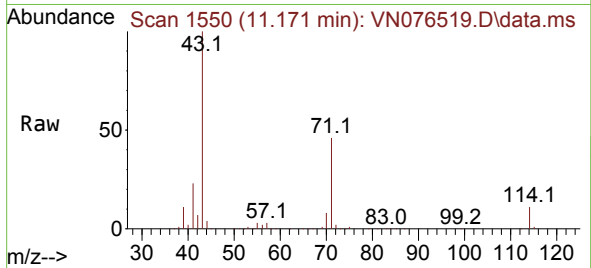




#59
2-Hexanone
Concen: 54.071 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

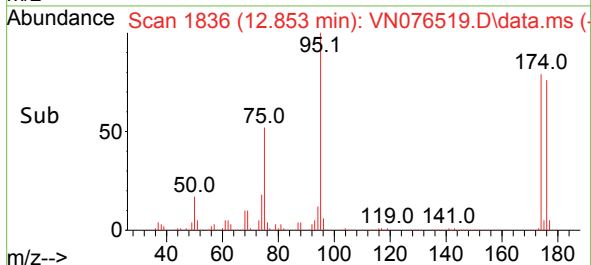
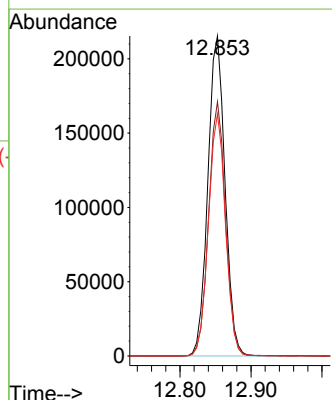
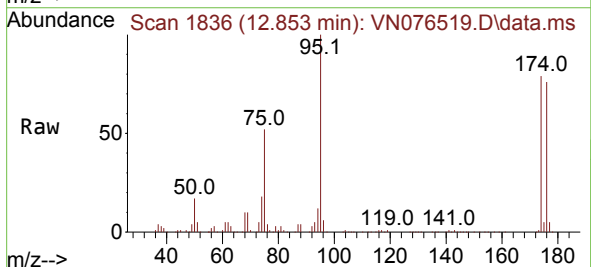
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

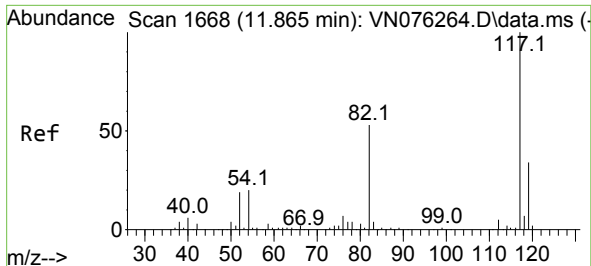
Tgt Ion: 43 Resp: 250969
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 51.010 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

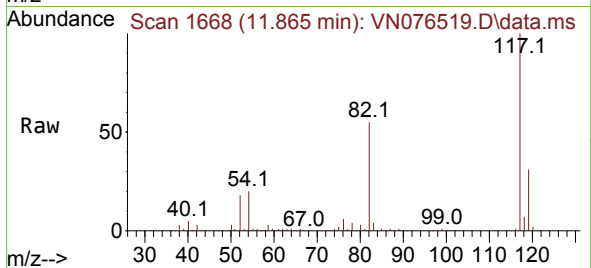
Tgt Ion: 95 Resp: 361890
Ion Ratio Lower Upper
95 100
174 78.4 0.0 174.6
176 75.0 0.0 167.8



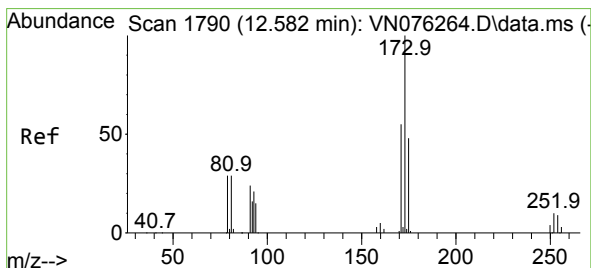
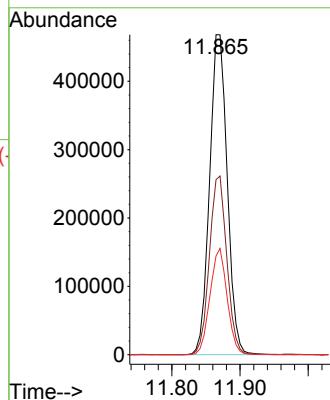
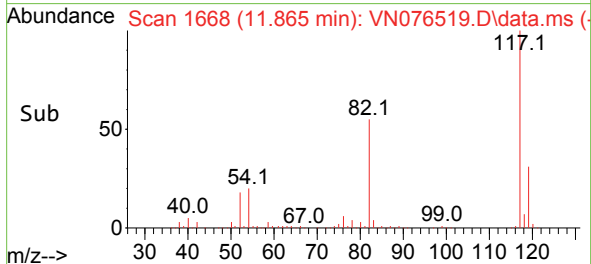


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

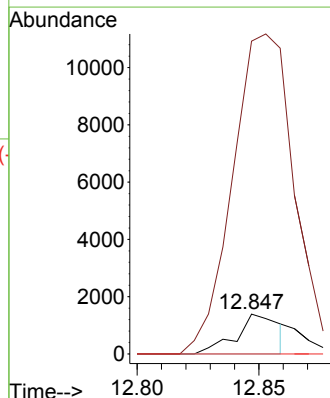
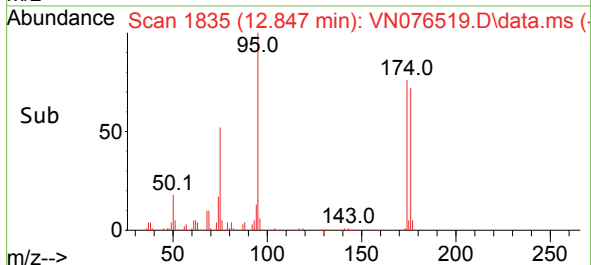
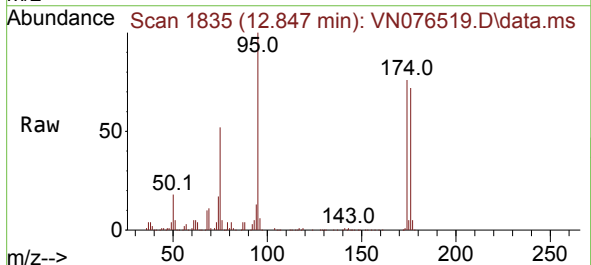


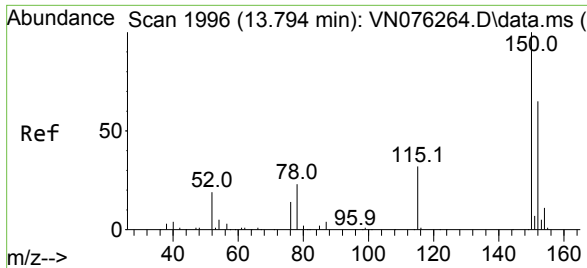
Tgt Ion:117 Resp: 843675
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.2
119 30.9 26.9 40.3



#71
Bromoform
Concen: 0.357 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion:173 Resp: 1710
Ion Ratio Lower Upper
173 100
175 944.4 24.1 72.4#
254 0.0 0.0 0.0

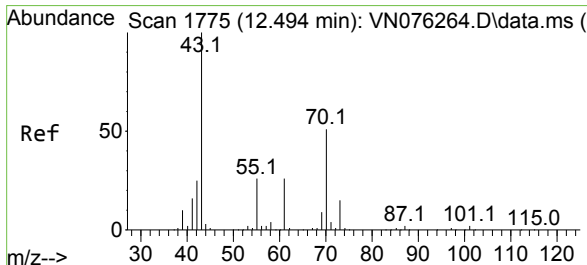
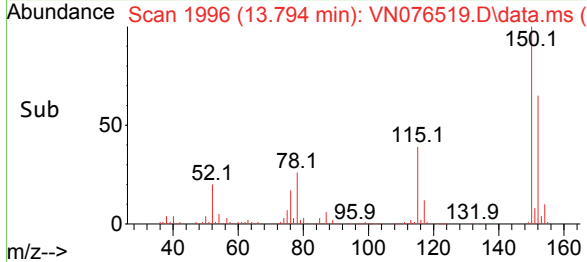
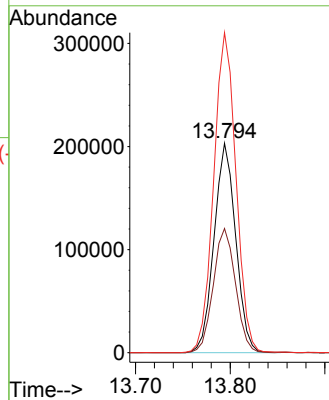
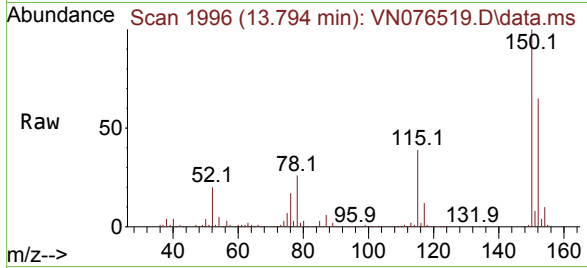




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

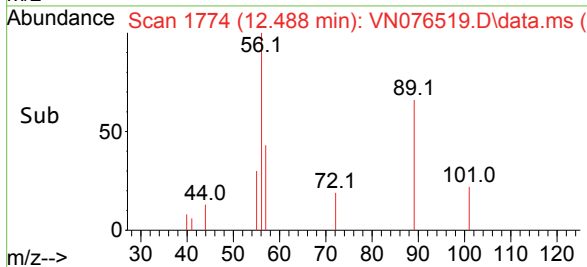
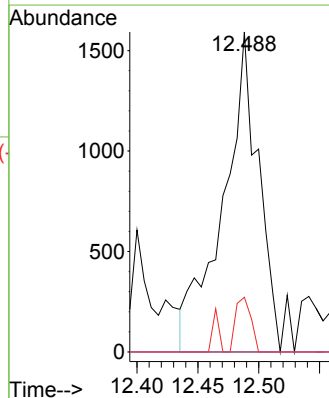
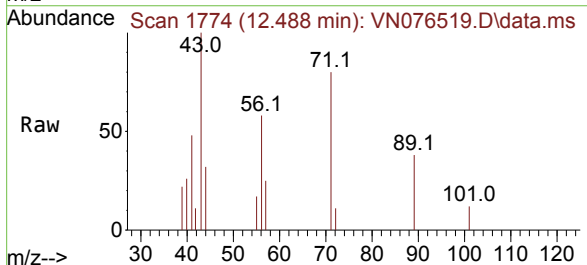
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

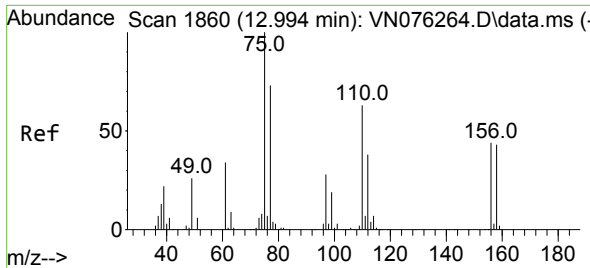
Tgt Ion:152 Resp: 323369
Ion Ratio Lower Upper
152 100
115 60.7 29.6 88.9
150 157.0 0.0 351.4



#74
N-ethyl acetate
Concen: 0.446 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 7.4 21.0 31.6#
61 0.0 21.6 32.4#

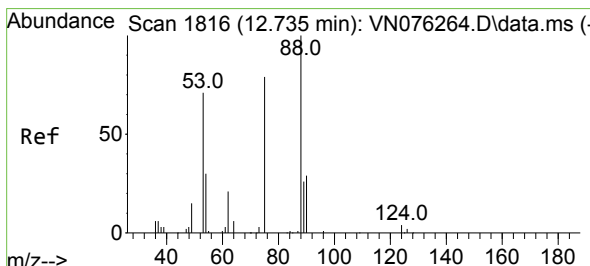
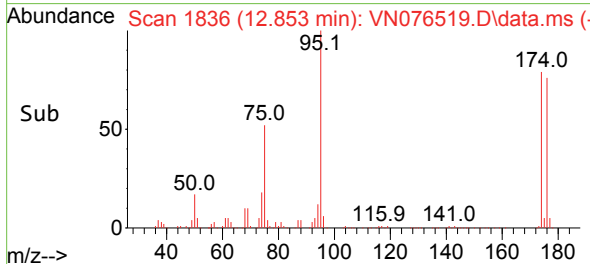
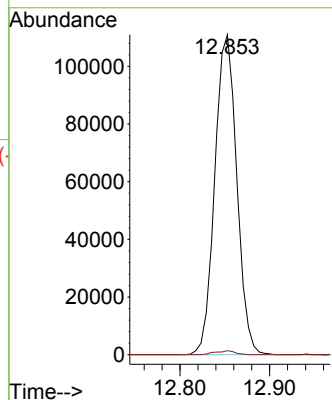
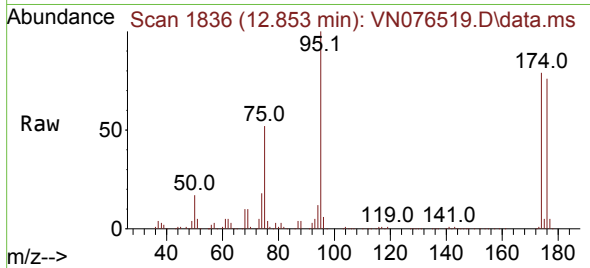




#76
1,2,3-Trichloropropane
Concen: 31.667 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

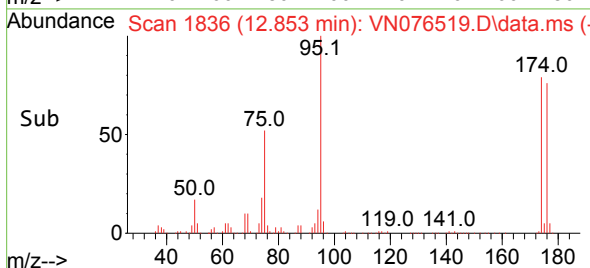
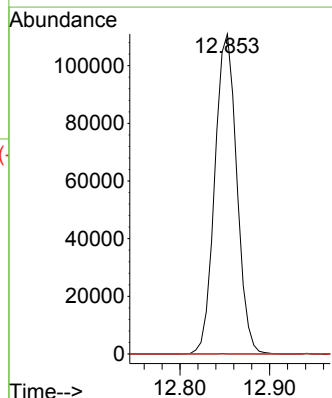
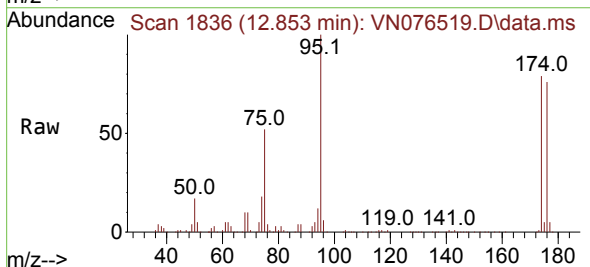
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#5

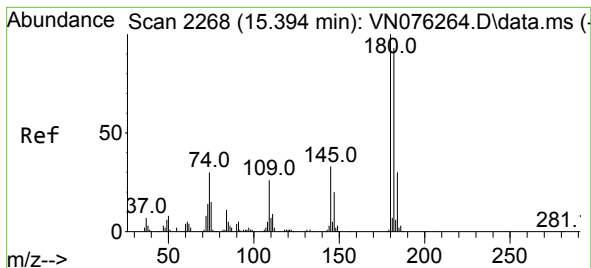
Tgt Ion: 75 Resp: 188598
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.039 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076519.D
Acq: 02 Feb 2023 18:52

Tgt Ion: 75 Resp: 188598
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: 1.330 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076519.D

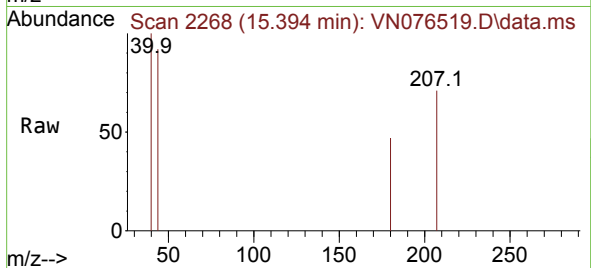
Acq: 02 Feb 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#5



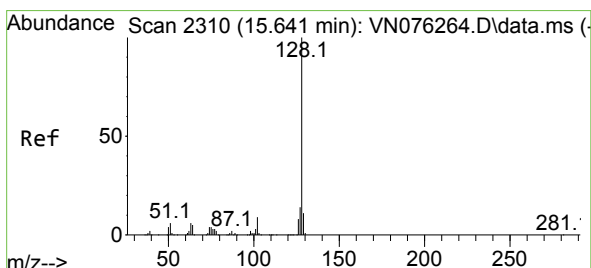
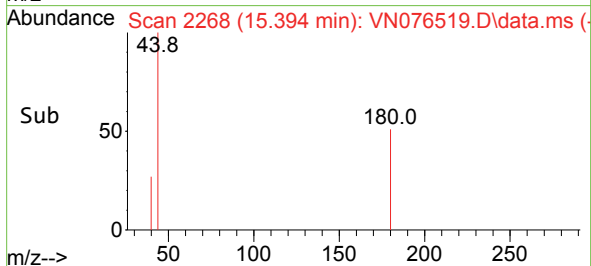
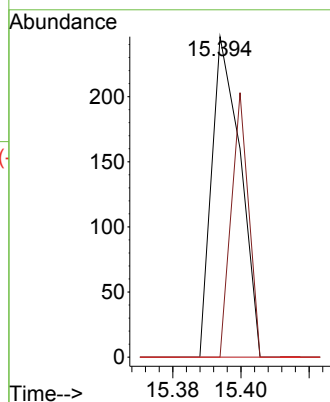
Tgt Ion:180 Resp: 143

Ion Ratio Lower Upper

180 100

182 50.3 47.0 141.2

145 0.0 15.2 45.5#



#95

Naphthalene

Concen: 1.900 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076519.D

Acq: 02 Feb 2023 18:52

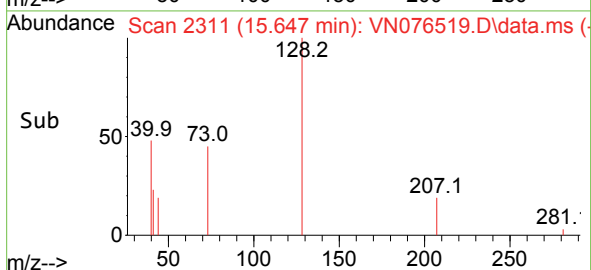
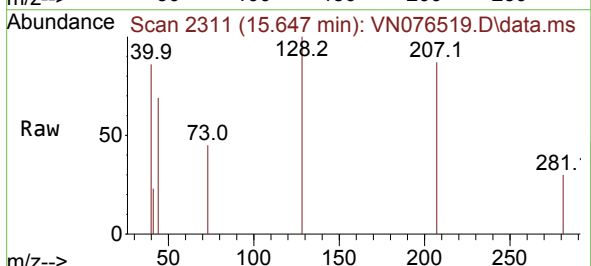
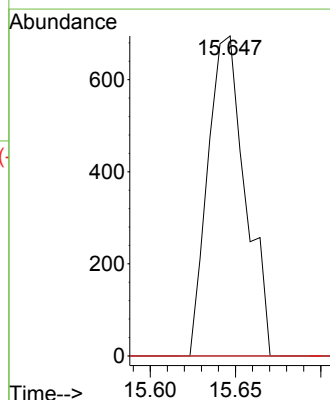
Tgt Ion:128 Resp: 1062

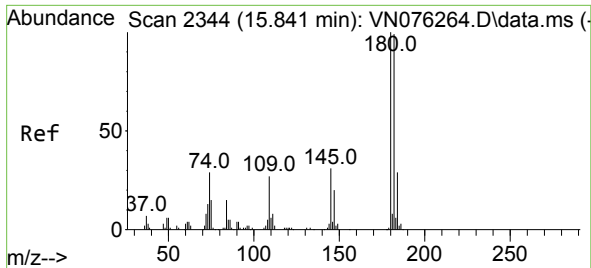
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

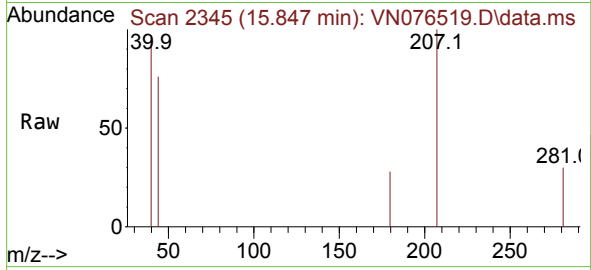
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.164 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076519.D
 Acq: 02 Feb 2023 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#5



Tgt Ion:	180	Resp:	57
Ion	Ratio	Lower	Upper
180	100		
182	178.9	47.5	142.5#
145	0.0	15.9	47.6#

