

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076243.D
 Acq On : 13 Jan 2023 13:02
 Operator : JC\MD
 Sample : 01124-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-4

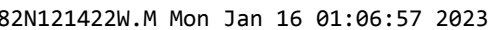
Quant Time: Jan 16 01:06:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

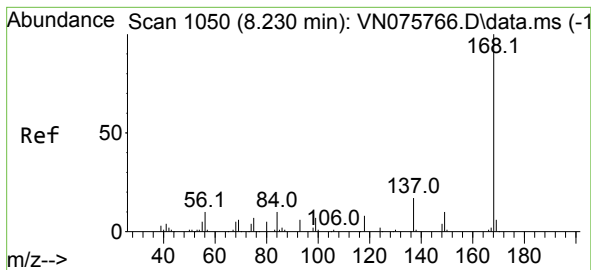
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	396833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	642932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	557766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	218969	50.720	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.440%	
35) Dibromofluoromethane	8.177	113	194350	48.812	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.620%	
50) Toluene-d8	10.571	98	753322	50.604	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	12.853	95	228441	46.331	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	233	0.381	ug/l #	72
16) Acetone	4.448	43	58197	39.105	ug/l	93
18) Methyl Acetate	5.036	43	987	0.224	ug/l #	45
20) Methylene Chloride	5.300	84	8347	1.475	ug/l #	88
25) 2-Butanone	7.506	43	8158	3.915	ug/l #	81
31) Cyclohexane	8.230	56	7794	1.261	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	28511	5.390	ug/l #	49
37) Ethyl Acetate	7.571	43	33475	7.879	ug/l	99
38) Carbon Tetrachloride	8.230	117	40022	6.761	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1404	0.259	ug/l #	72
43) Isopropyl Acetate	8.694	43	280181	39.979	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	2280	0.574	ug/l #	43
48) Methyl methacrylate	9.665	41	4584	1.452	ug/l #	36
49) 1,4-Dioxane	9.741	88	73	0.941	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	16401	3.870	ug/l #	73
53) t-1,3-Dichloropropene	10.735	75	1195	0.211	ug/l #	45
54) cis-1,3-Dichloropropene	10.365	75	75289	12.128	ug/l #	65
56) Ethyl methacrylate	10.988	69	2046	0.369	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9030	1.320	ug/l #	42
59) 2-Hexanone	11.177	43	163099	52.769	ug/l #	20
71) Bromoform	12.853	173	1819	0.590	ug/l #	1
74) N-amyl acetate	12.488	43	1547	0.321	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	121236	26.428	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	121236	95.126	ug/l #	12
95) Naphthalene	15.641	128	2638	2.381	ug/l #	83

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

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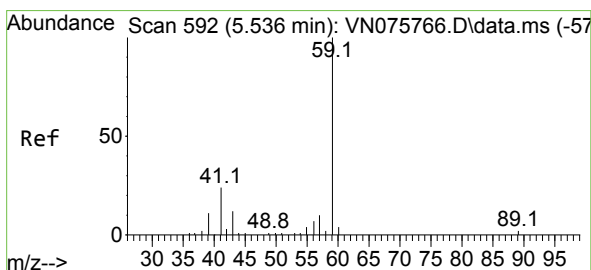
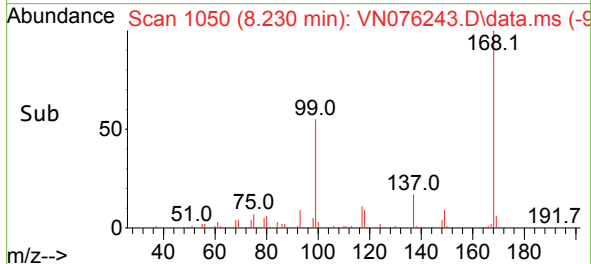
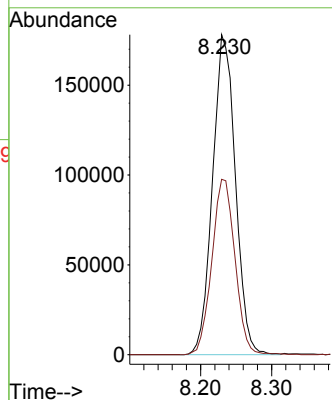
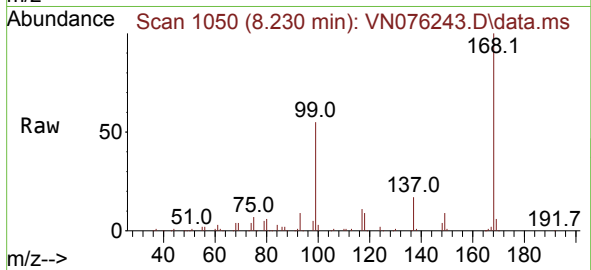
MH-4

Tgt Ion:168 Resp: 396833

Ion Ratio Lower Upper

168 100

99 54.8 44.2 66.4



#11

Tert butyl alcohol

Concen: 0.381 ug/l

RT: 5.547 min Scan# 594

Delta R.T. 0.012 min

Lab File: VN076243.D

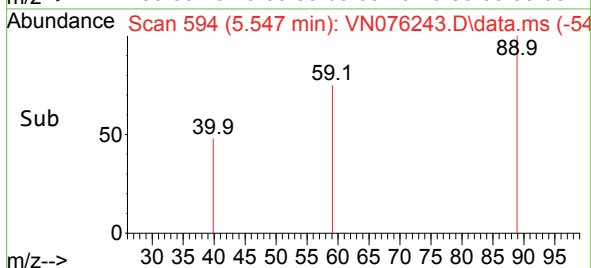
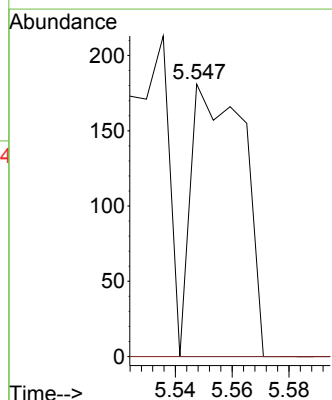
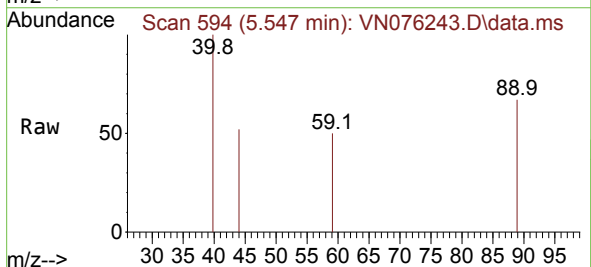
Acq: 13 Jan 2023 13:02

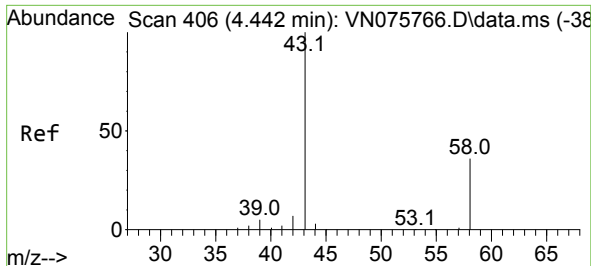
Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 39.105 ug/l

RT: 4.448 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076243.D

Acq: 13 Jan 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

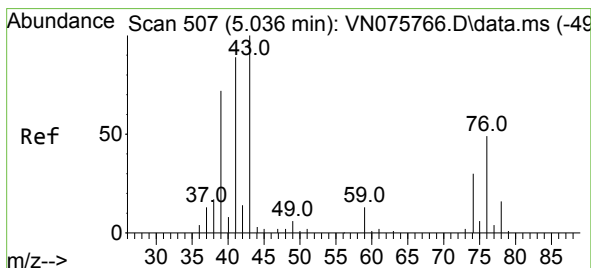
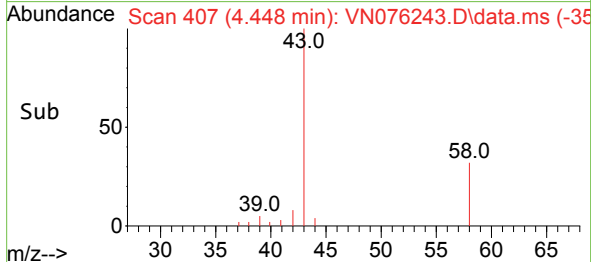
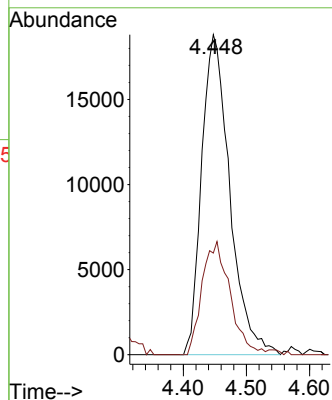
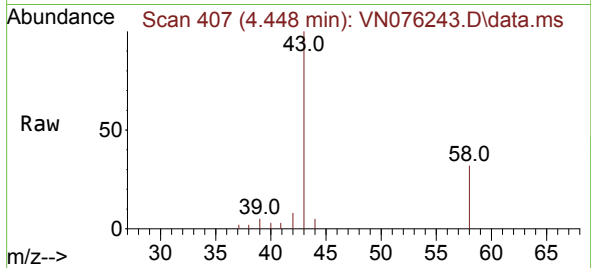
MH-4

Tgt Ion: 43 Resp: 58197

Ion Ratio Lower Upper

43 100

58 31.8 28.6 43.0



#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 5.036 min Scan# 507

Delta R.T. 0.000 min

Lab File: VN076243.D

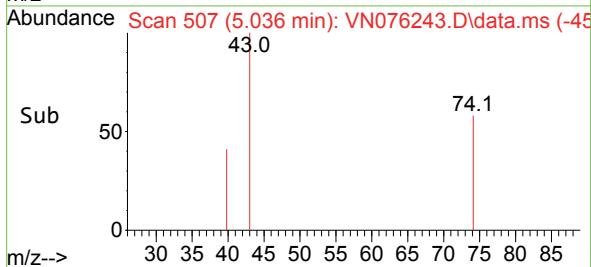
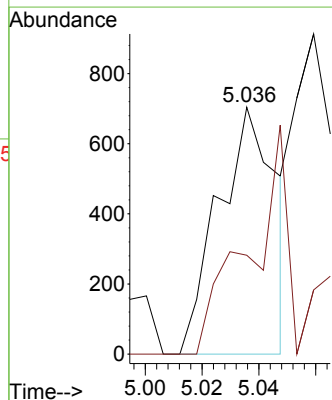
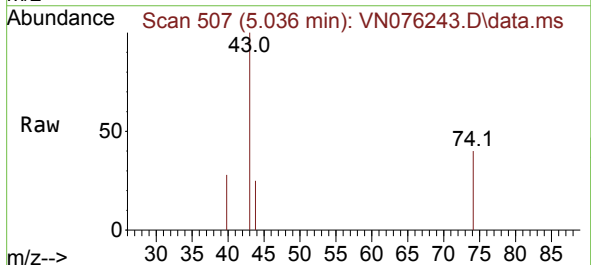
Acq: 13 Jan 2023 13:02

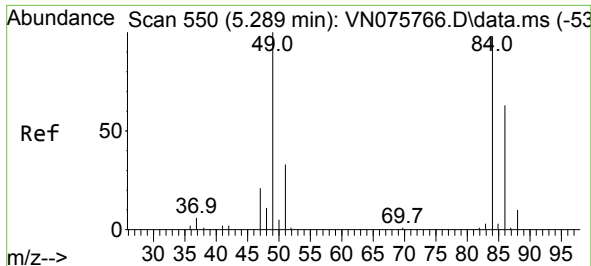
Tgt Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

74 0.0 23.6 35.4#

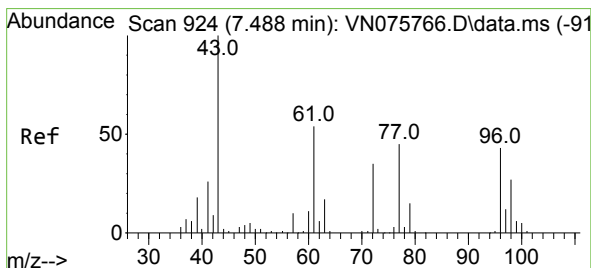
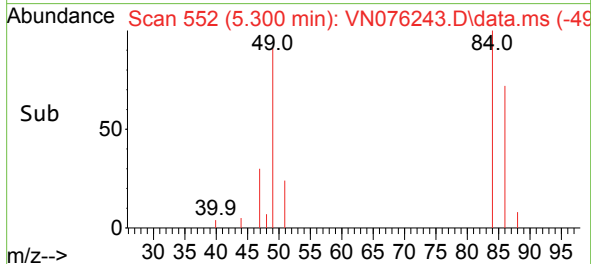
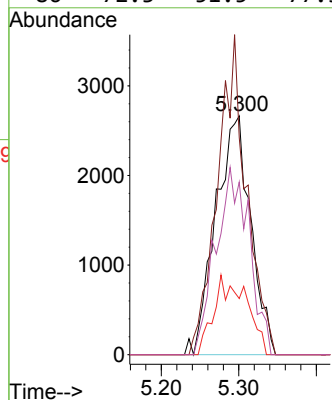
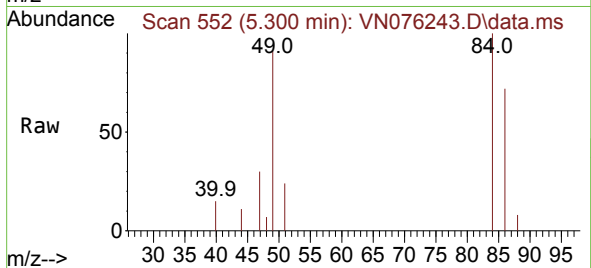




#20
Methylene Chloride
Concen: 1.475 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

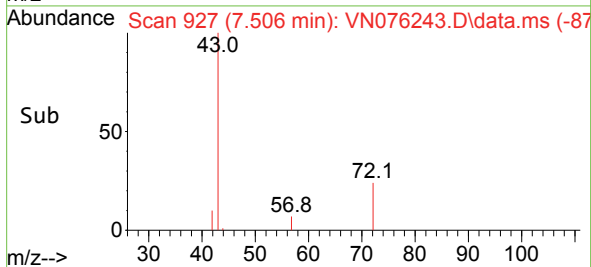
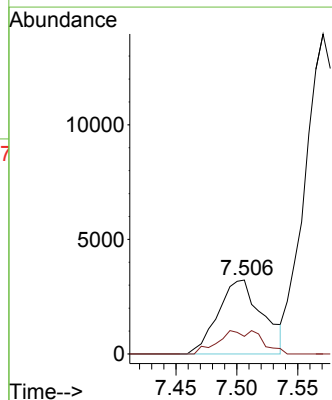
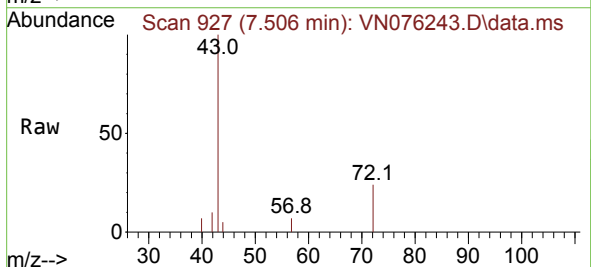
Instrument :
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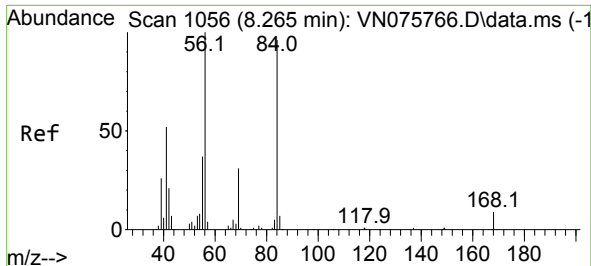
Tgt Ion: 84	Resp: 8347
Ion Ratio	Lower Upper
84 100	
49 91.0	81.8 122.6
51 23.5	26.7 40.1#
86 72.3	51.5 77.3



#25
2-Butanone
Concen: 3.915 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 43	Resp:	8158	
Ion	Ratio	Lower	Upper
43	100		
72	23.7	28.0	42.0#

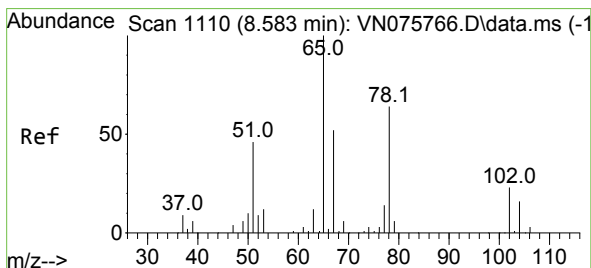
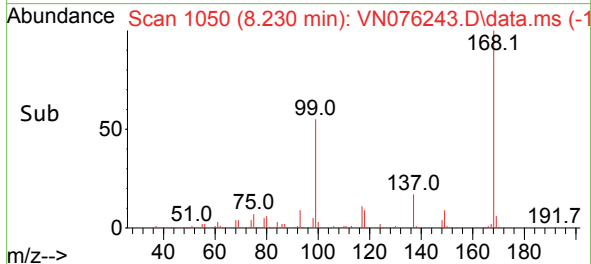
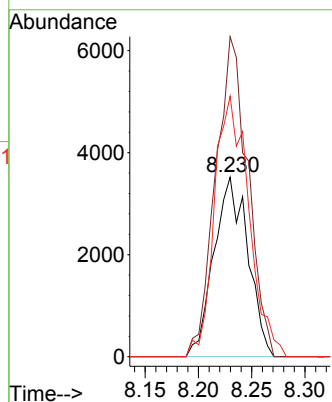
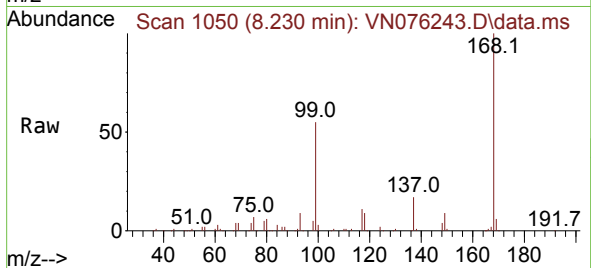




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

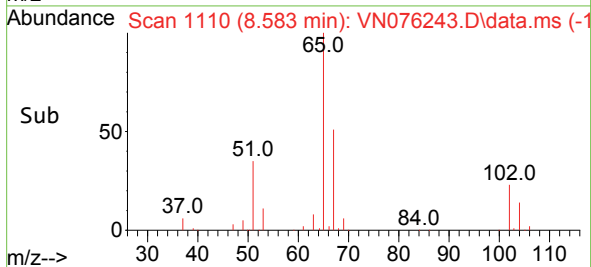
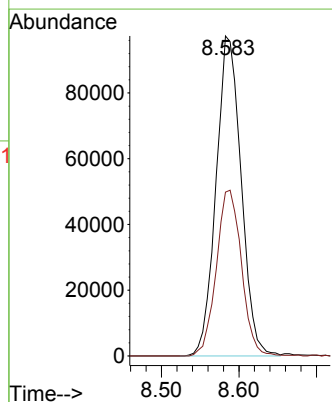
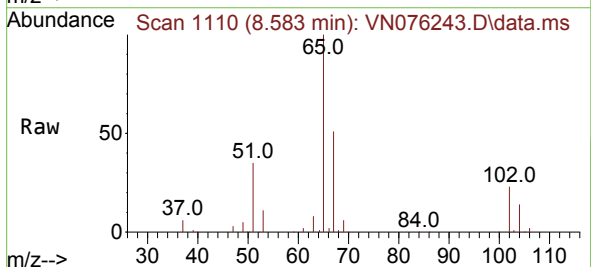
Instrument :
MSVOA_N
ClientSampleId :
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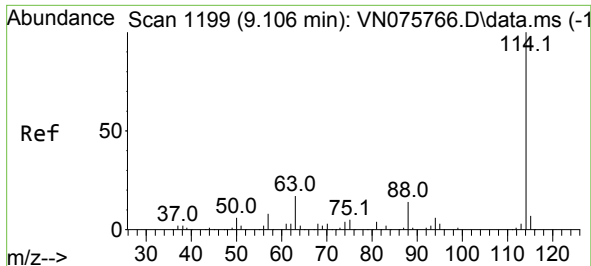
Tgt Ion: 56 Resp: 7794
Ion Ratio Lower Upper
56 100
69 178.2 24.7 37.1#
84 145.1 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 50.720 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 65 Resp: 218969
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

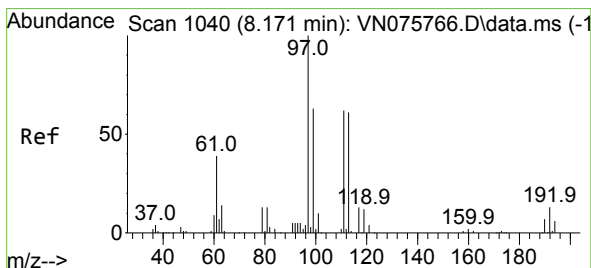
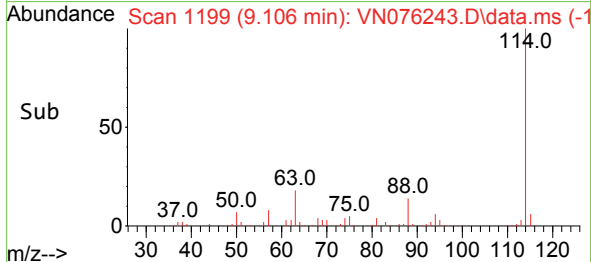
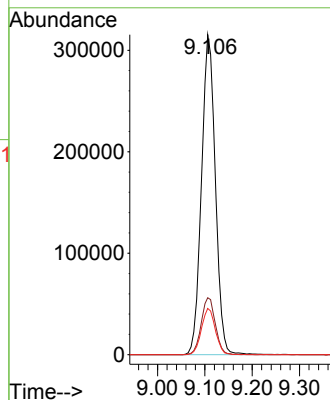
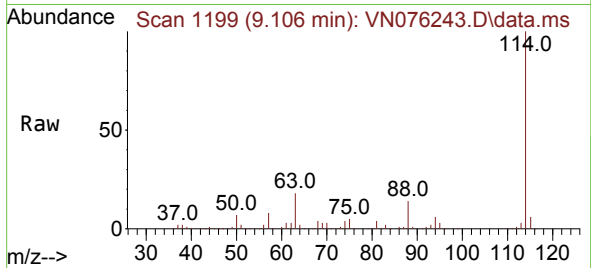




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

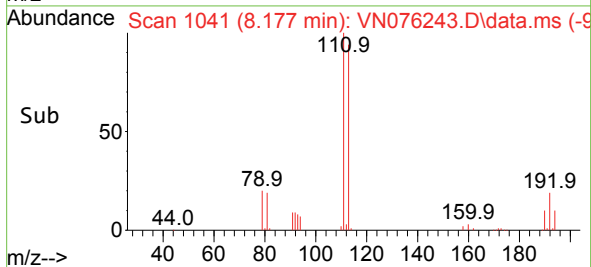
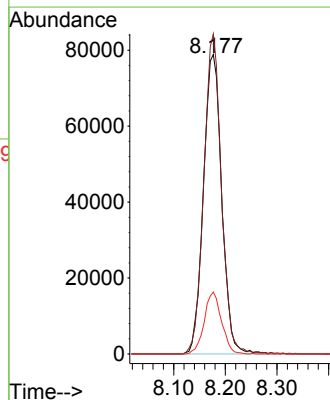
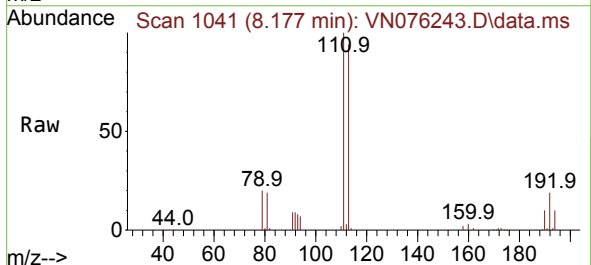
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ClientSampleId :
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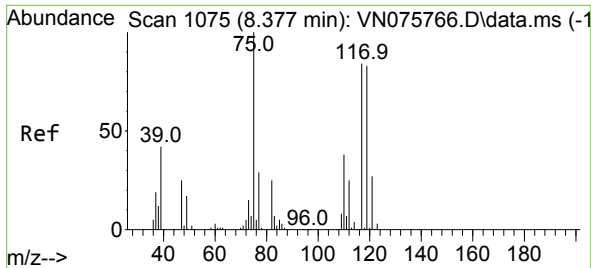
Tgt Ion:114 Resp: 642932
Ion Ratio Lower Upper
114 100
63 17.8 0.0 34.4
88 14.5 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.812 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion:113 Resp: 194350
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.2
192 19.5 16.1 24.1

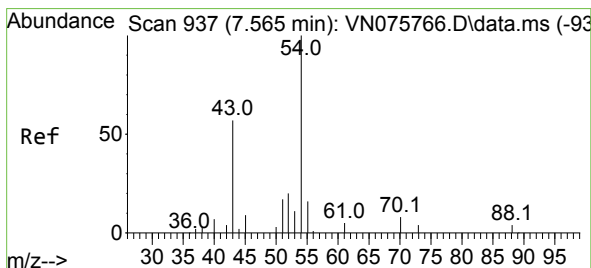
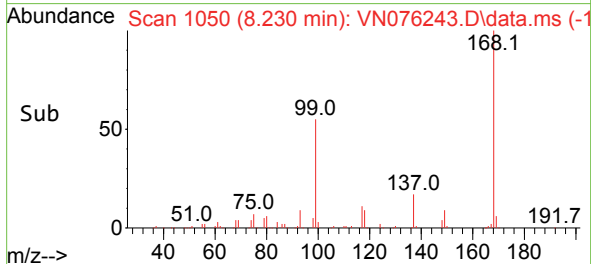
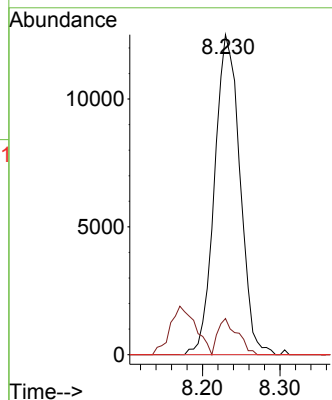
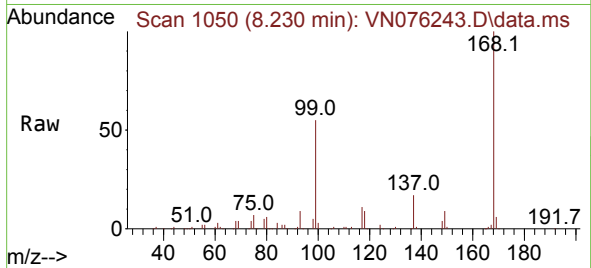




#36
1,1-Dichloropropene
Concen: 5.390 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

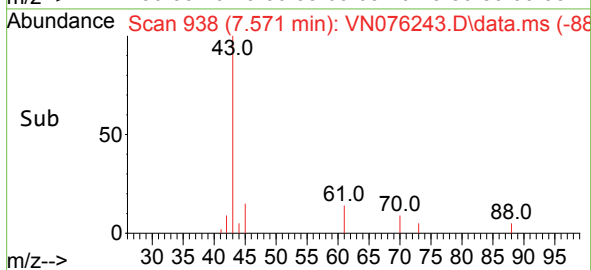
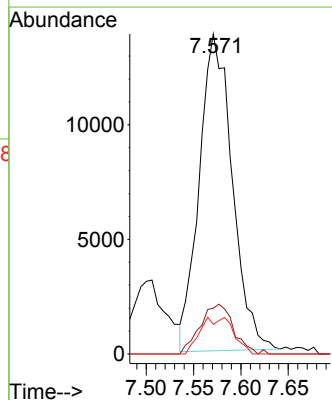
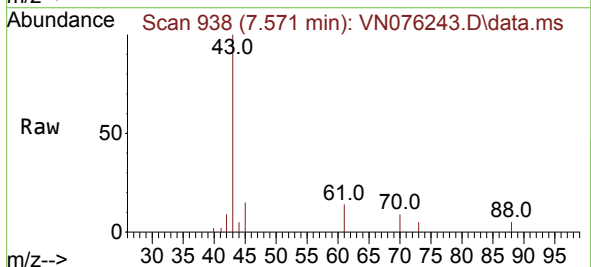
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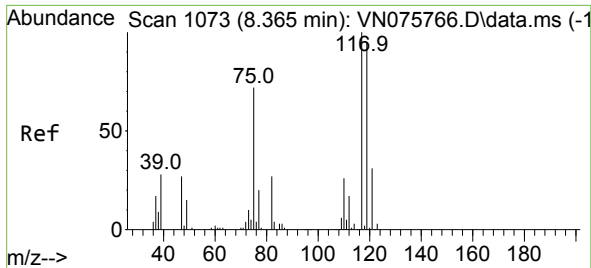
Tgt Ion: 75 Resp: 28511
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 7.879 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 43 Resp: 33475
Ion Ratio Lower Upper
43 100
61 15.9 13.0 19.4
70 11.6 9.4 14.0

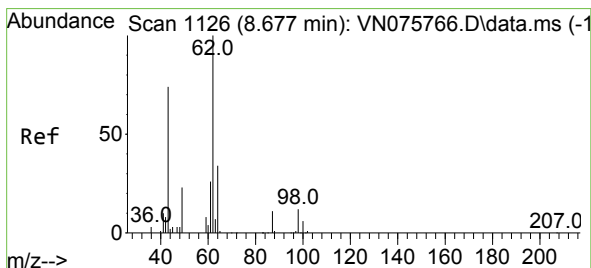
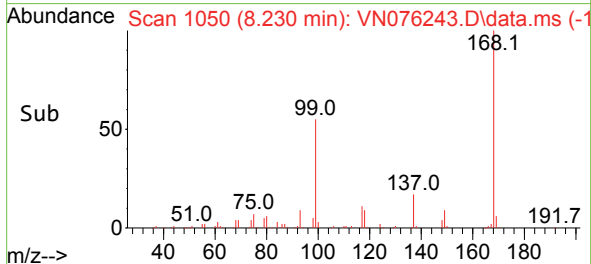
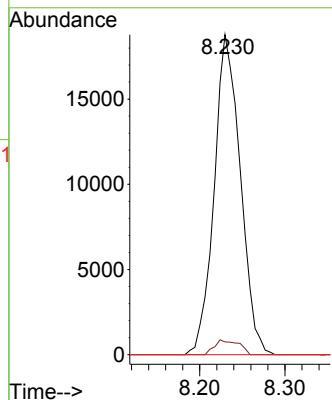
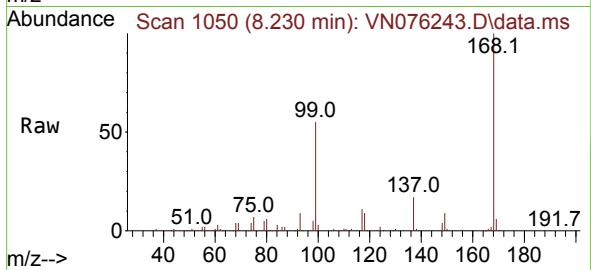




#38
Carbon Tetrachloride
Concen: 6.761 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

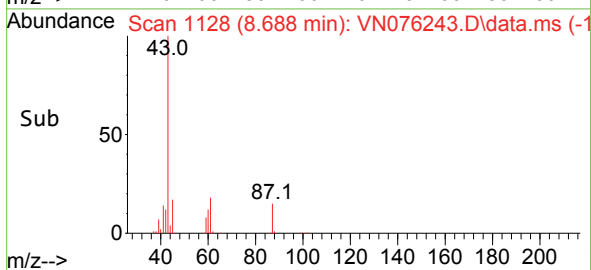
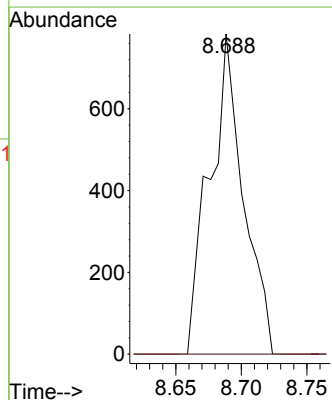
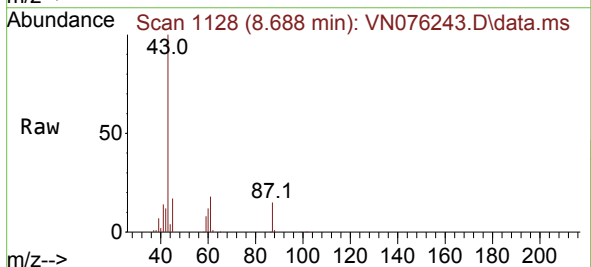
Instrument :
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MH-4

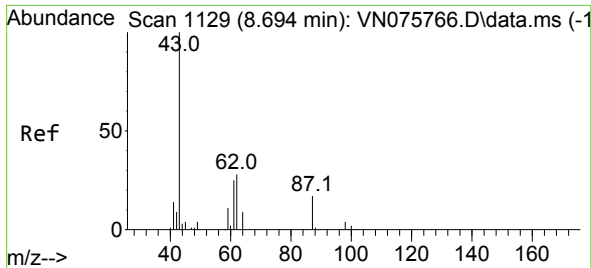
Tgt Ion:117 Resp: 40022
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.259 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 62 Resp: 1404
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

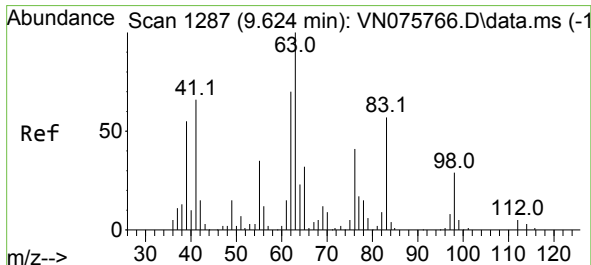
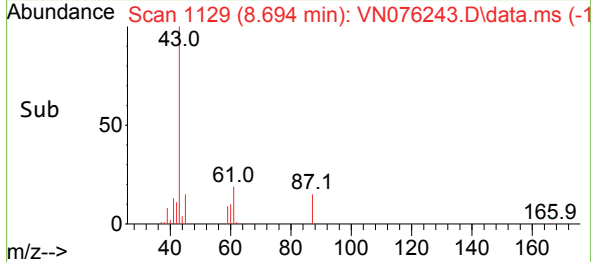
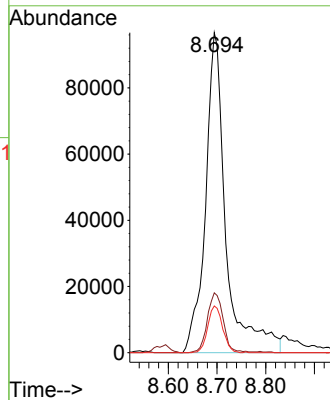
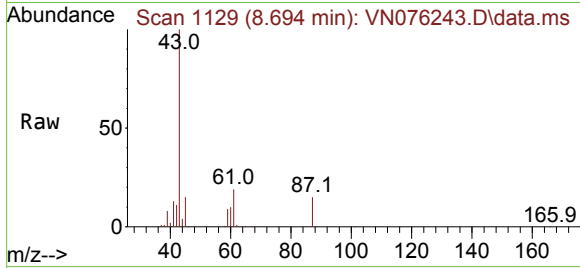




#43
Isopropyl Acetate
Concen: 39.979 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

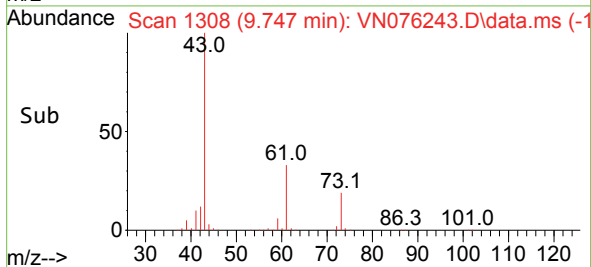
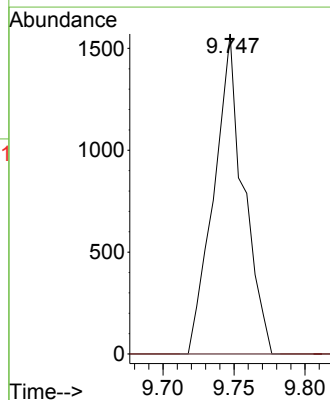
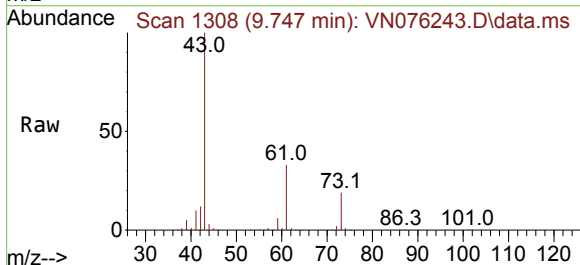
Instrument :
MSVOA_N
ClientSampleId :
MH-4

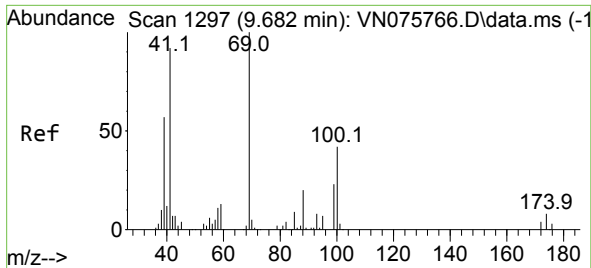
Tgt Ion: 43 Resp: 280181
Ion Ratio Lower Upper
43 100
61 14.6 24.2 36.4#
87 10.6 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.574 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 63 Resp: 2280
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

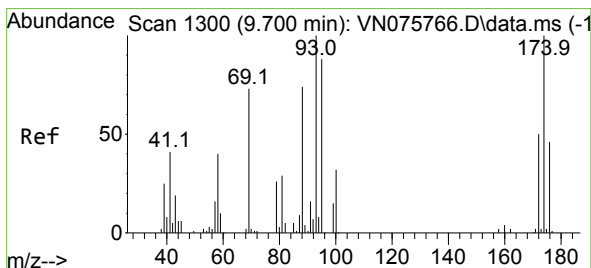
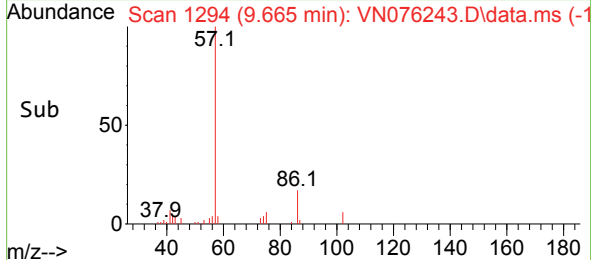
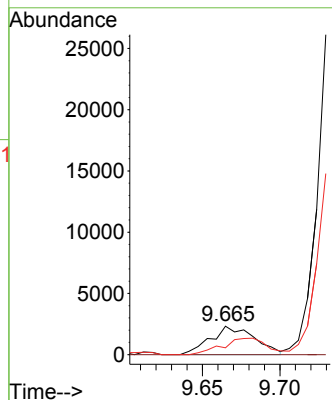
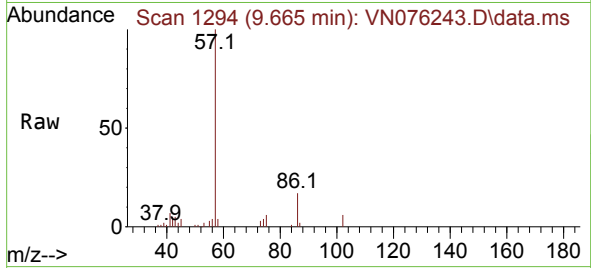




#48
Methyl methacrylate
Concen: 1.452 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

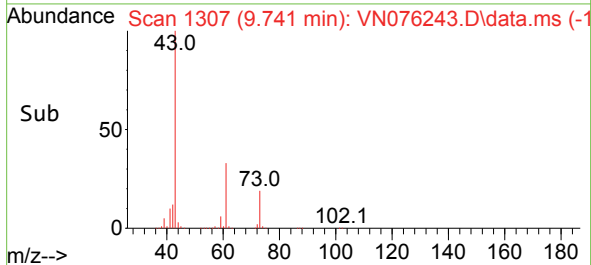
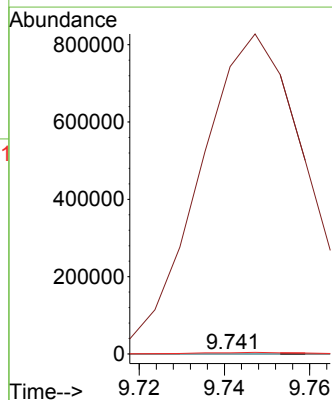
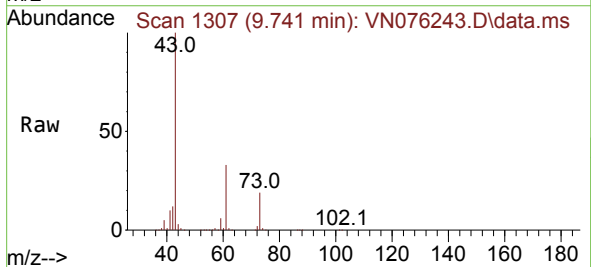
Instrument :
MSVOA_N
ClientSampleId :
MH-4

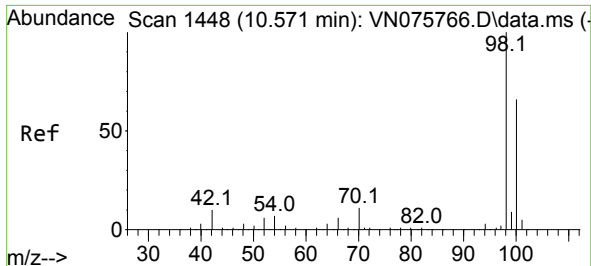
Tgt Ion: 41 Resp: 4584
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 59.7 51.6 77.4



#49
1,4-Dioxane
Concen: 0.941 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 2052516.4 17.1 25.7#
58 9654.8 47.8 71.8#

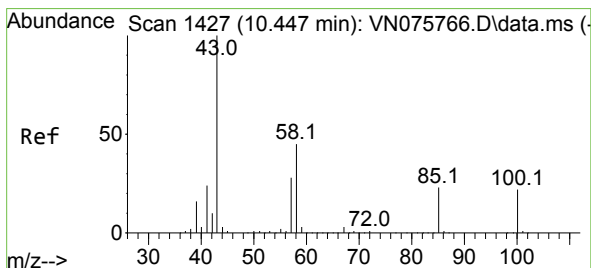
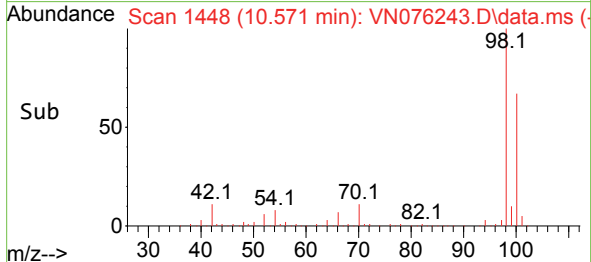
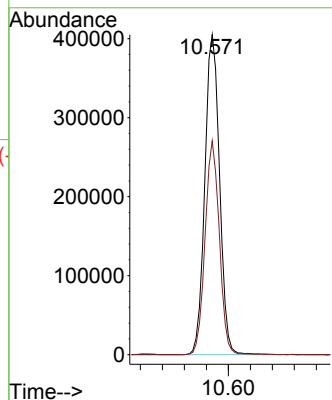
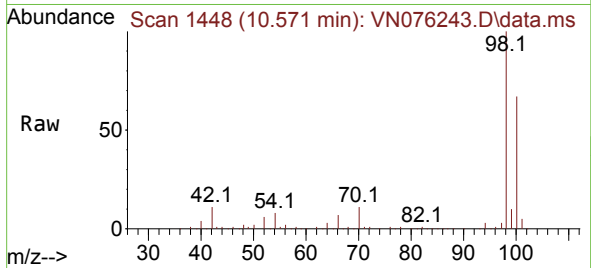




#50
Toluene-d8
Concen: 50.604 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

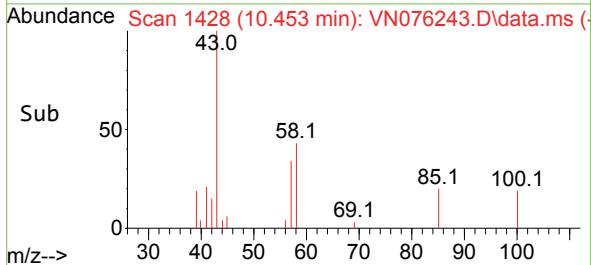
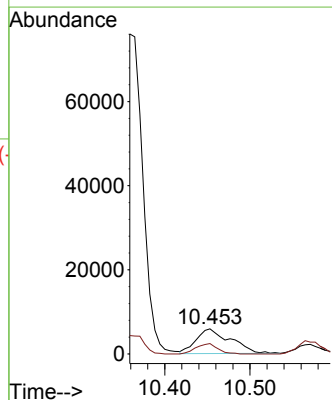
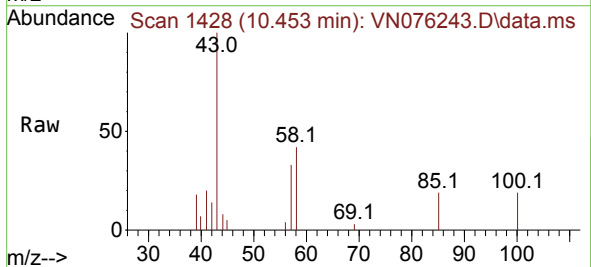
Instrument :
MSVOA_N
ClientSampleId :
MH-4

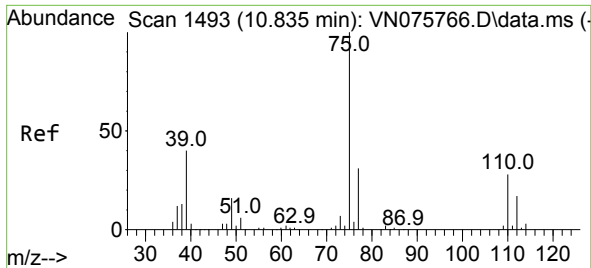
Tgt Ion: 98 Resp: 753322
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.870 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 43 Resp: 16401
Ion Ratio Lower Upper
43 100
58 26.7 35.5 53.3#

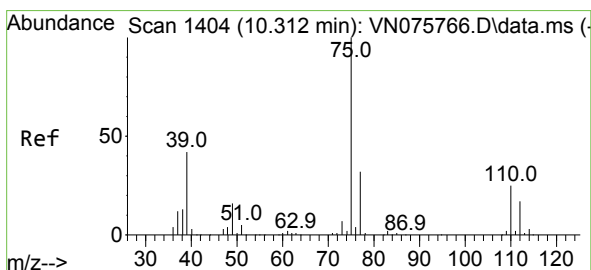
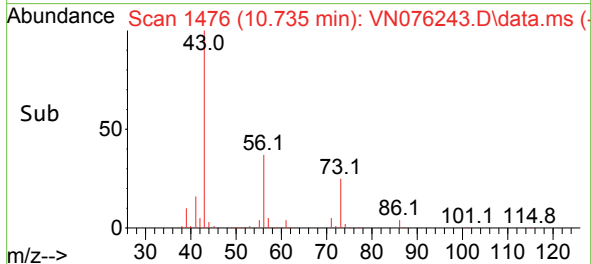
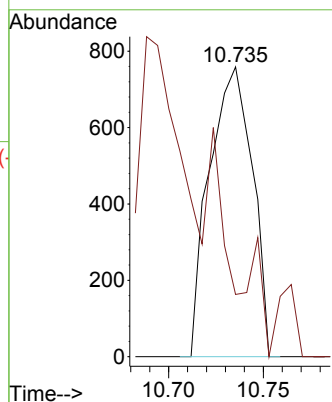
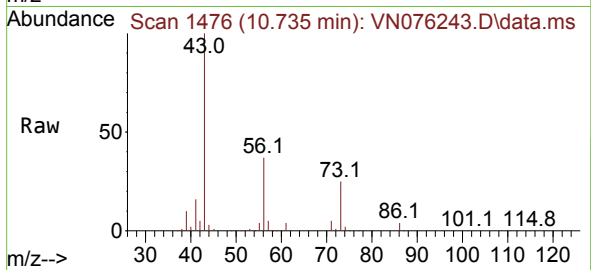




#53
 t-1,3-Dichloropropene
 Concen: 0.211 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.100 min
 Lab File: VN076243.D
 Acq: 13 Jan 2023 13:02

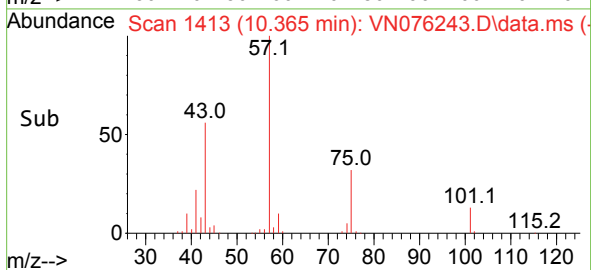
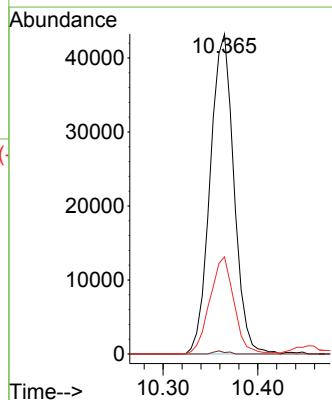
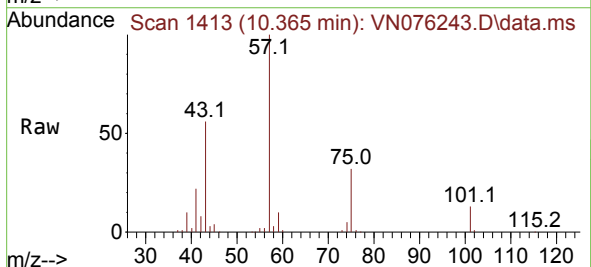
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-4

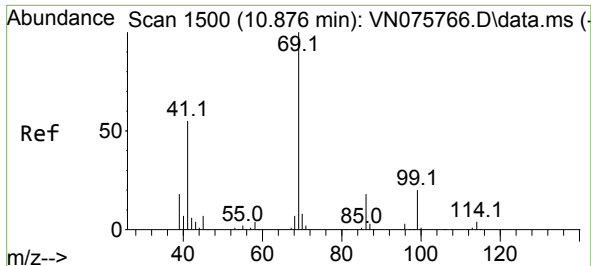
Tgt Ion: 75 Resp: 1195
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.128 ug/l
 RT: 10.365 min Scan# 1413
 Delta R.T. 0.053 min
 Lab File: VN076243.D
 Acq: 13 Jan 2023 13:02

Tgt Ion: 75 Resp: 75289
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.8#
 39 30.3 33.4 50.2#

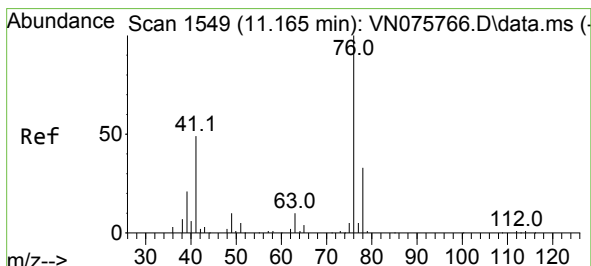
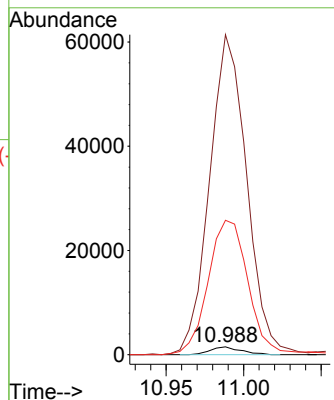
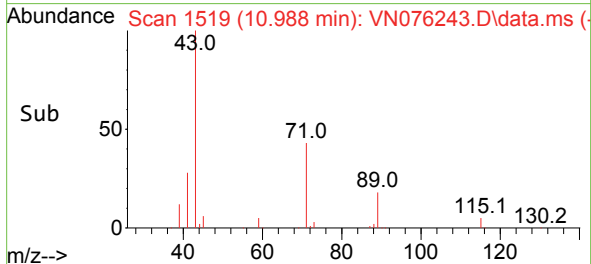
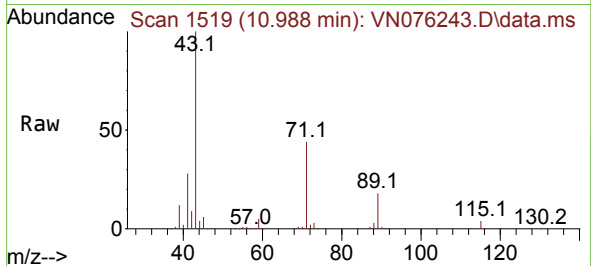




#56
Ethyl methacrylate
Concen: 0.369 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

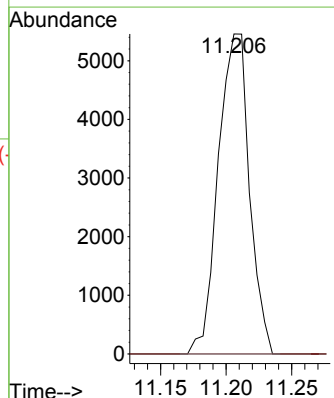
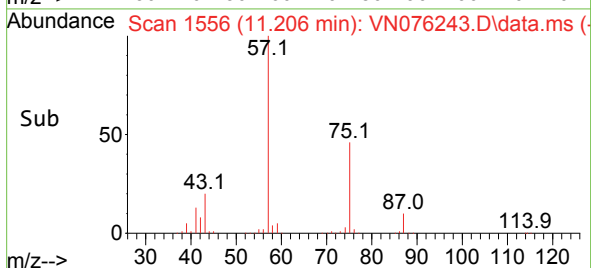
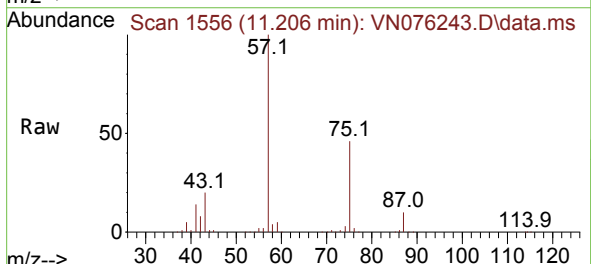
Instrument :
MSVOA_N
ClientSampleId :
MH-4

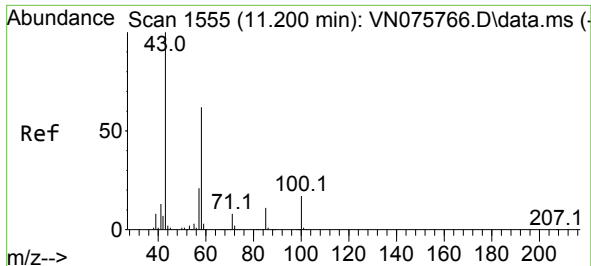
Tgt Ion: 69 Resp: 2046
Ion Ratio Lower Upper
69 100
41 5014.6 44.2 66.4#
39 2269.6 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.320 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 76 Resp: 9030
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

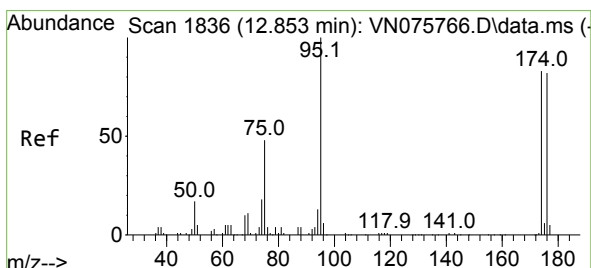
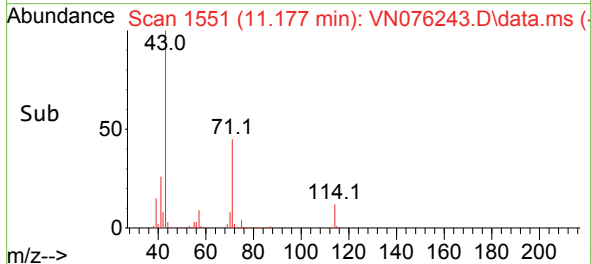
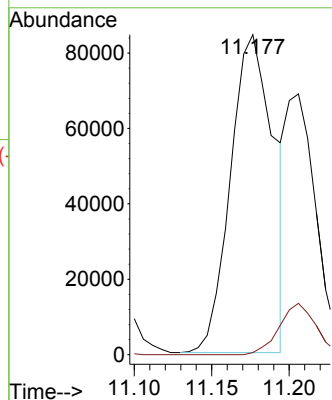
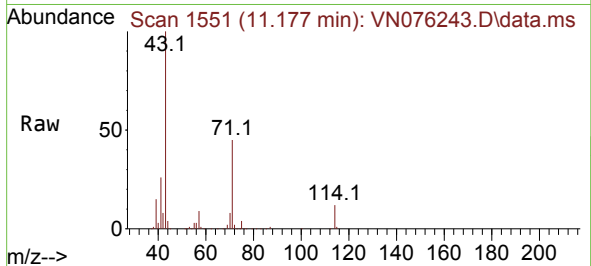




#59
2-Hexanone
Concen: 52.769 ug/l
RT: 11.177 min Scan# 1151
Delta R.T. -0.023 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

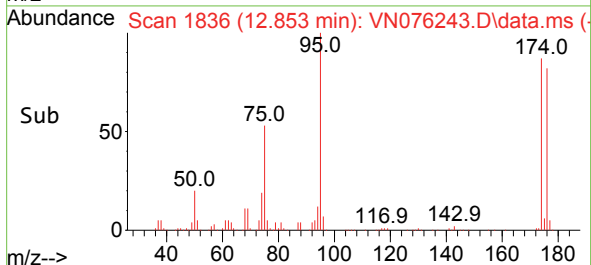
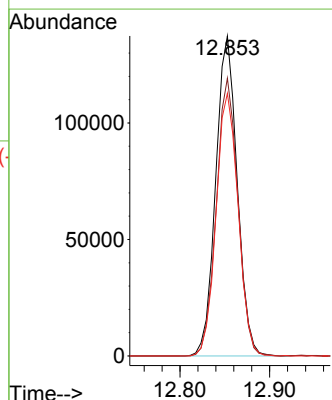
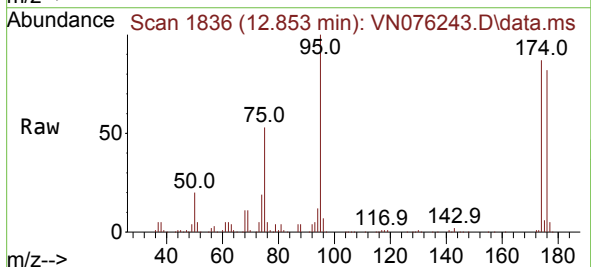
Instrument :
MSVOA_N
ClientSampleId :
MH-4

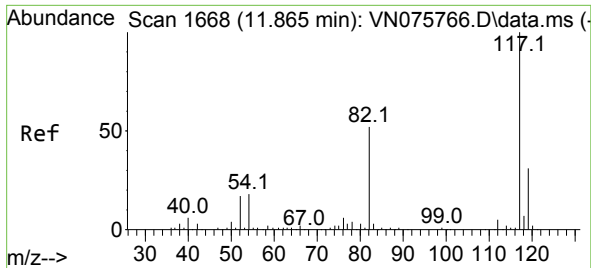
Tgt Ion: 43 Resp: 163099
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 46.331 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 95 Resp: 228441
Ion Ratio Lower Upper
95 100
174 87.1 0.0 171.6
176 83.9 0.0 169.2

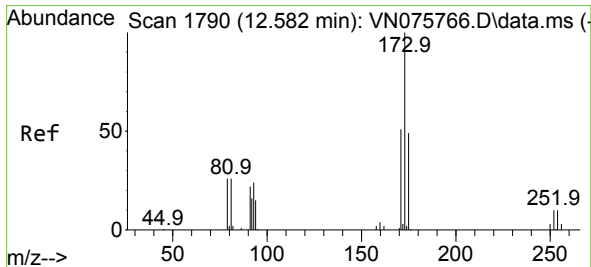
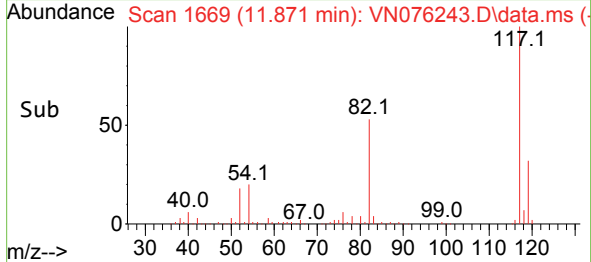
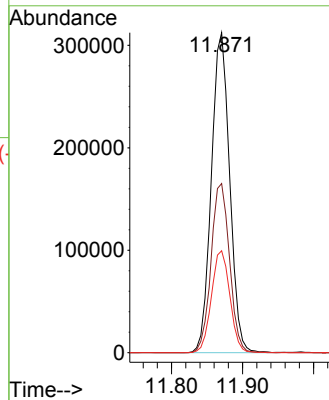
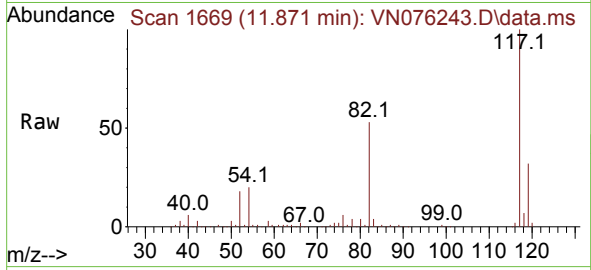




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

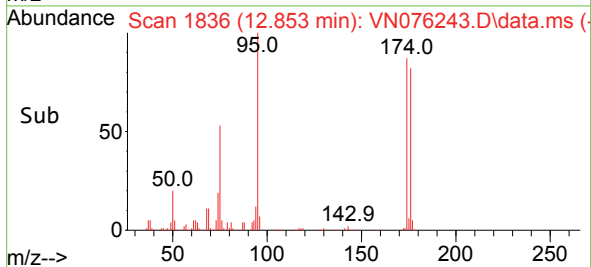
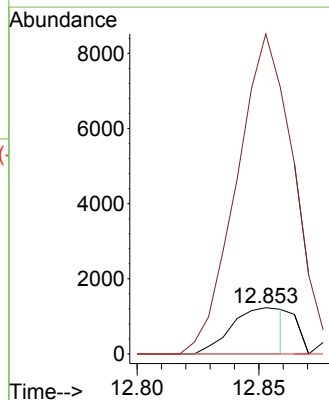
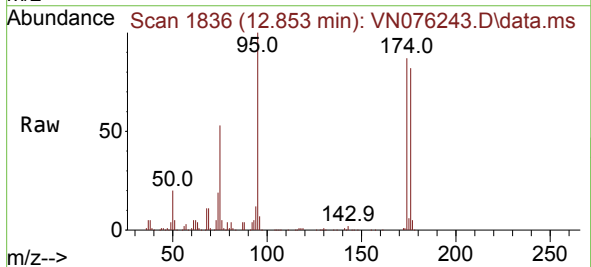
Instrument :
MSVOA_N
ClientSampleId :
MH-4

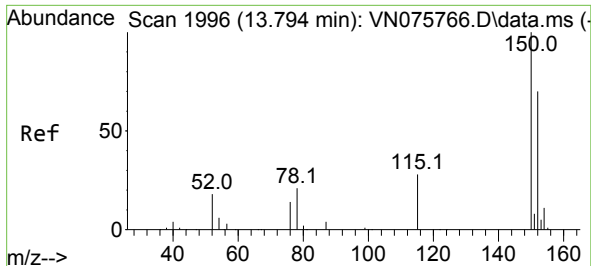
Tgt Ion:117 Resp: 557766
Ion Ratio Lower Upper
117 100
82 52.8 41.3 61.9
119 31.9 24.6 37.0



#71
Bromoform
Concen: 0.590 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion:173 Resp: 1819
Ion Ratio Lower Upper
173 100
175 608.8 24.3 72.8#
254 0.0 0.0 0.0

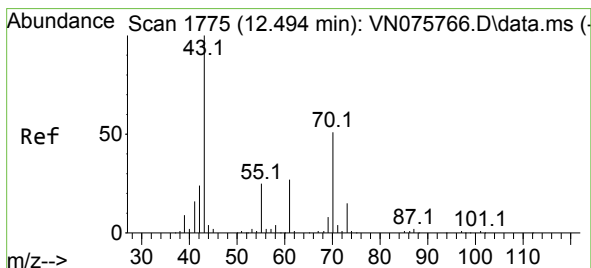
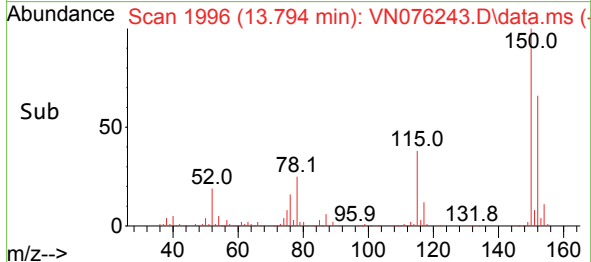
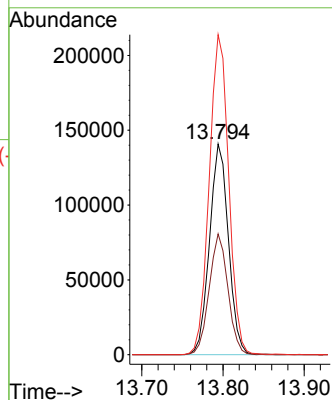
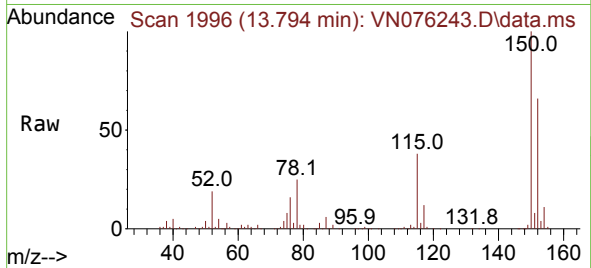




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

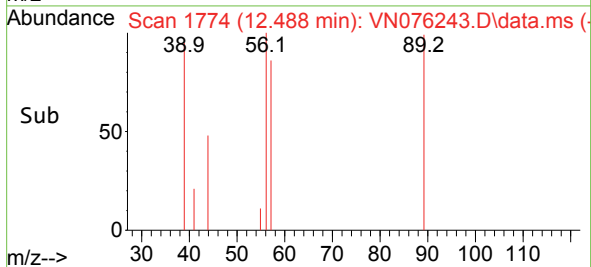
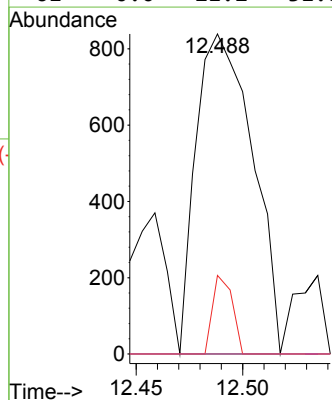
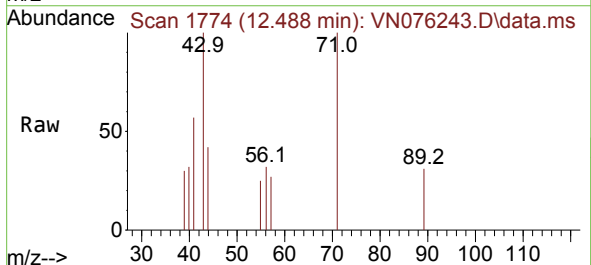
Instrument :
MSVOA_N
ClientSampleId :
MH-4

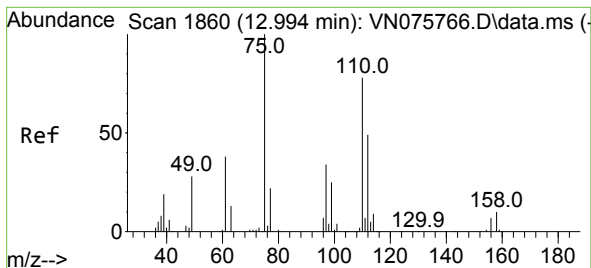
Tgt Ion:152 Resp: 227581
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.4
150 156.6 0.0 347.0



#74
N-ethyl acetate
Concen: 0.321 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 8.5 21.3 31.9#
61 0.0 21.2 31.8#





#76

1,2,3-Trichloropropane

Concen: 26.428 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076243.D

Acq: 13 Jan 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

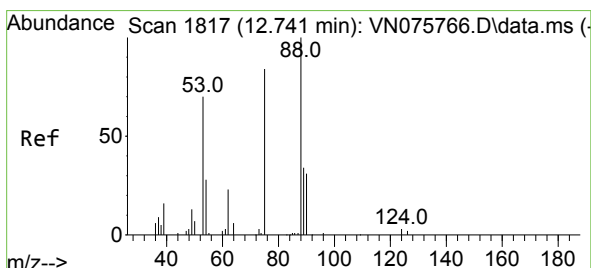
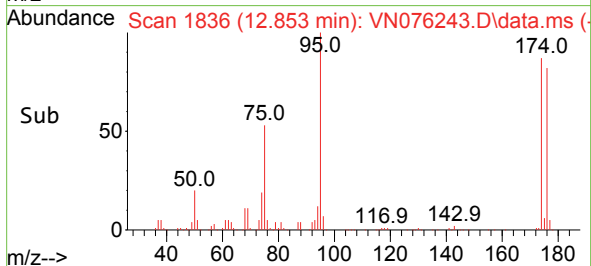
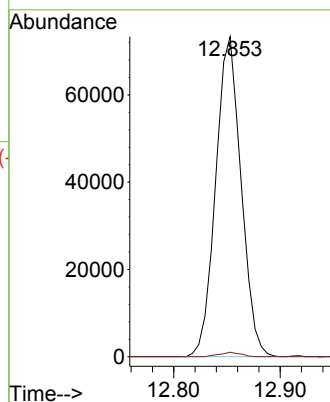
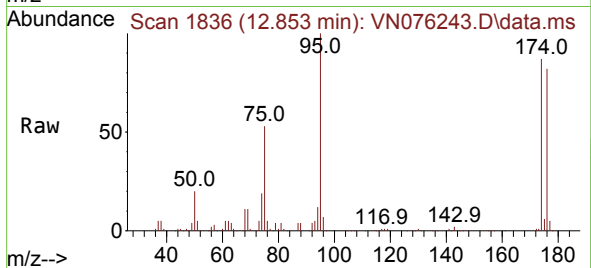
MH-4

Tgt Ion: 75 Resp: 121236

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.126 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076243.D

Acq: 13 Jan 2023 13:02

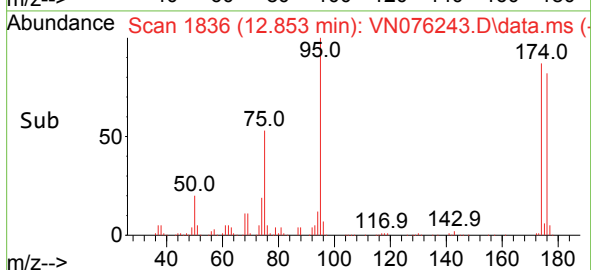
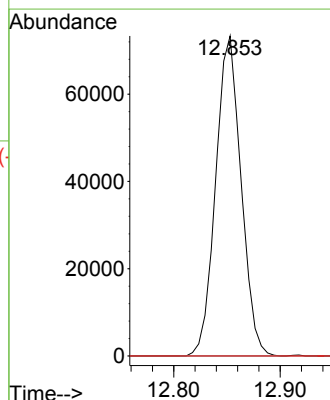
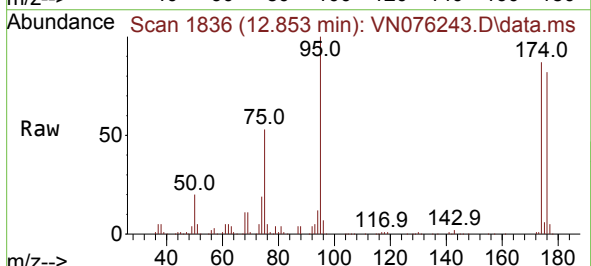
Tgt Ion: 75 Resp: 121236

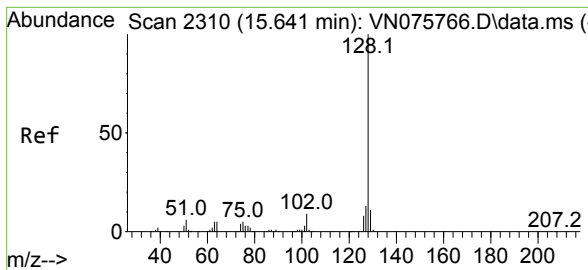
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.381 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076243.D
Acq: 13 Jan 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
MH-4

Tgt Ion:	128	Resp:	2638
Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.4	15.6#
129	2.4	8.7	13.1#

