

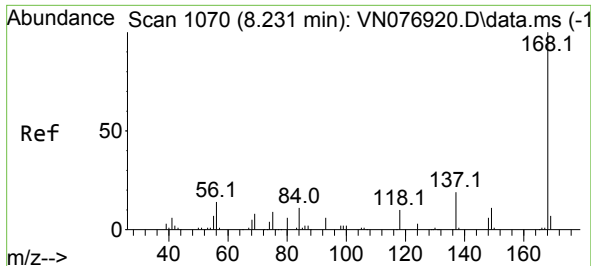
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076984.D
 Acq On : 14 Mar 2023 15:57
 Operator : JC\MD
 Sample : PB151382ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#03

Quant Time: Mar 15 04:24:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	278246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	415875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	380867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	176266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	207252	49.914	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.820%
35) Dibromofluoromethane	8.172	113	133933	48.322	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.640%
50) Toluene-d8	10.572	98	497258	48.680	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.854	95	190297	50.932	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.990	94	572	0.309	ug/l	84
11) Tert butyl alcohol	5.537	59	1028	1.780	ug/l #	72
16) Acetone	4.443	43	22982	15.973	ug/l #	82
18) Methyl Acetate	5.048	43	1956	0.369	ug/l #	47
20) Methylene Chloride	5.284	84	9957	2.691	ug/l #	71
25) 2-Butanone	7.495	43	2281	1.115	ug/l	88
31) Cyclohexane	8.236	56	6338	1.064	ug/l #	10
36) 1,1-Dichloropropene	8.231	75	23375	5.453	ug/l #	51
37) Ethyl Acetate	7.566	43	36221	10.566	ug/l	96
38) Carbon Tetrachloride	8.236	117	32410	6.460	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	1244	0.252	ug/l #	71
43) Isopropyl Acetate	8.695	43	202008	33.381	ug/l #	78
48) Methyl methacrylate	9.742	41	160156	54.014	ug/l #	30
49) 1,4-Dioxane	9.736	88	304	5.415	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	12984	3.572	ug/l #	68
53) t-1,3-Dichloropropene	10.725	75	1249	0.272	ug/l #	49
54) cis-1,3-Dichloropropene	10.360	75	69352	13.752	ug/l #	71
56) Ethyl methacrylate	10.989	69	2023	0.441	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	8447	1.583	ug/l #	42
59) 2-Hexanone	11.201	43	108873	41.075	ug/l #	43
71) Bromoform	12.854	173	1037	0.430	ug/l #	1
74) N-amyl acetate	12.307	43	39041	7.507	ug/l #	42
76) 1,2,3-Trichloropropane	12.854	75	117268	27.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	117268	89.636	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.401	180	852	0.238	ug/l #	41
95) Naphthalene	15.642	128	2187	0.206	ug/l #	92

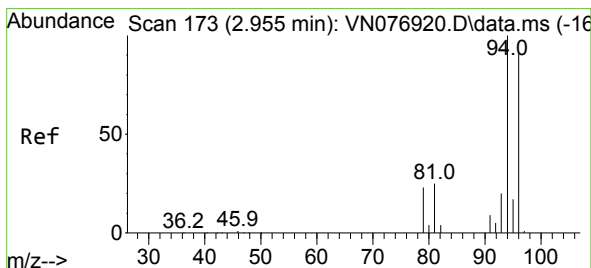
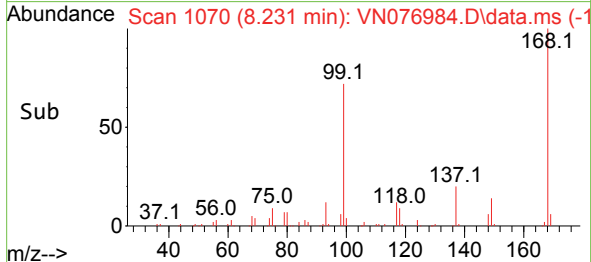
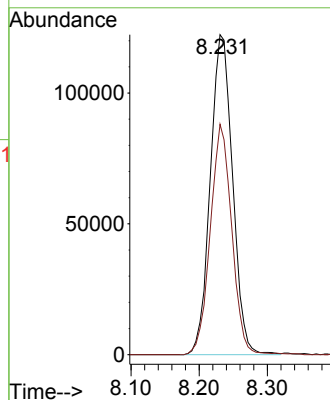
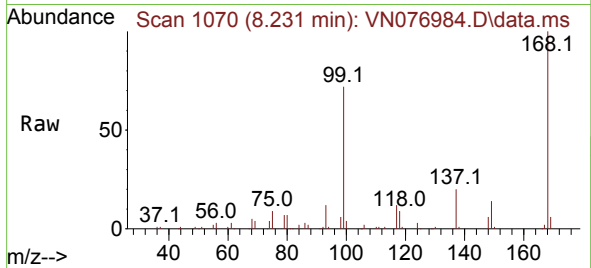
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

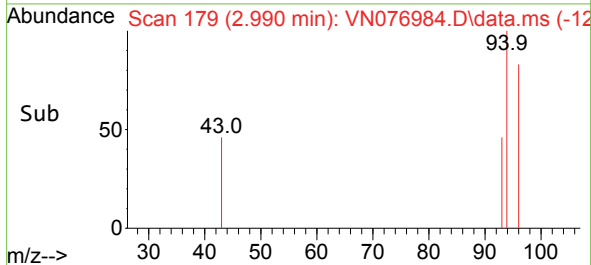
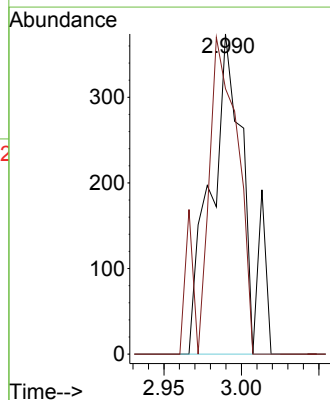
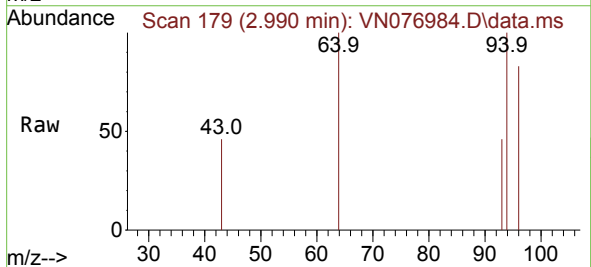
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

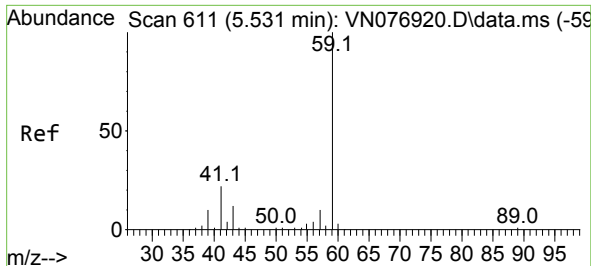
Tgt Ion:168 Resp: 278246
Ion Ratio Lower Upper
168 100
99 72.0 48.6 73.0



#5
Bromomethane
Concen: 0.309 ug/l
RT: 2.990 min Scan# 179
Delta R.T. 0.035 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 94 Resp: 572
Ion Ratio Lower Upper
94 100
96 82.9 79.0 118.6

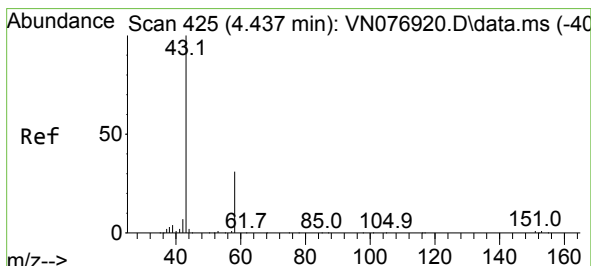
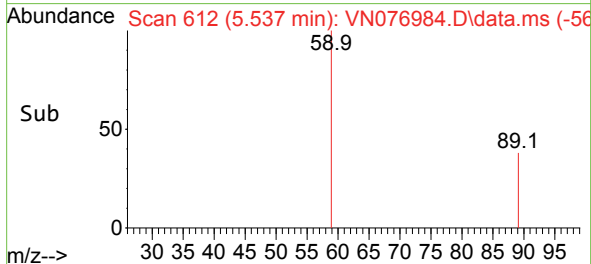
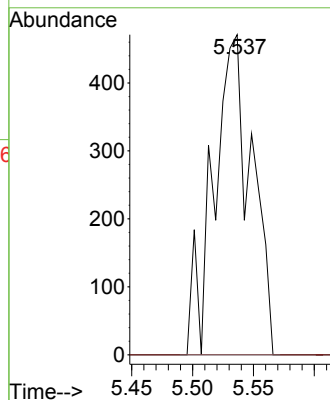
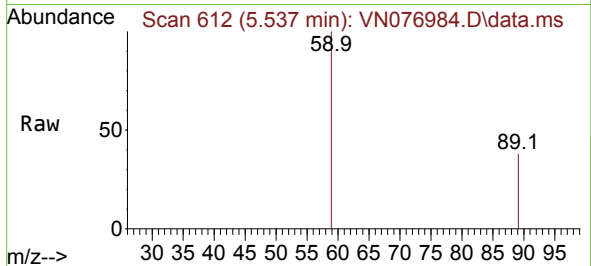




#11
Tert butyl alcohol
Concen: 1.780 ug/l
RT: 5.537 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

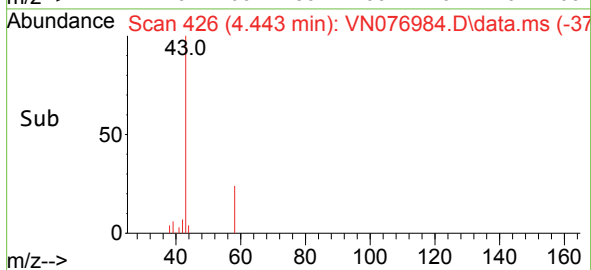
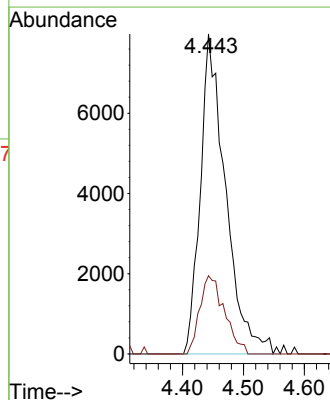
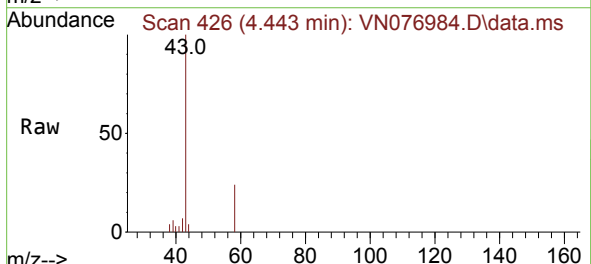
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MSVOA_N
ClientSampleId :
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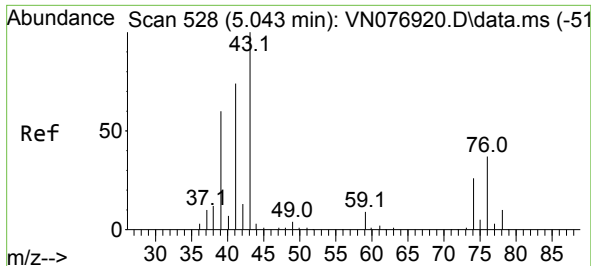
Tgt Ion: 59 Resp: 1028
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 15.973 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 43 Resp: 22982
Ion Ratio Lower Upper
43 100
58 24.4 28.2 42.2#

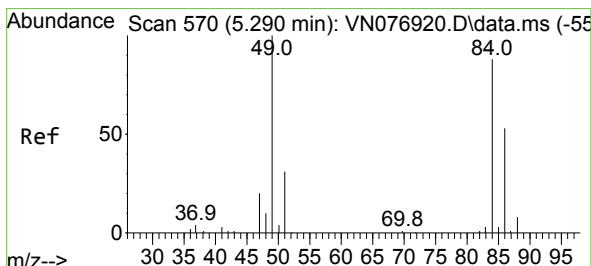
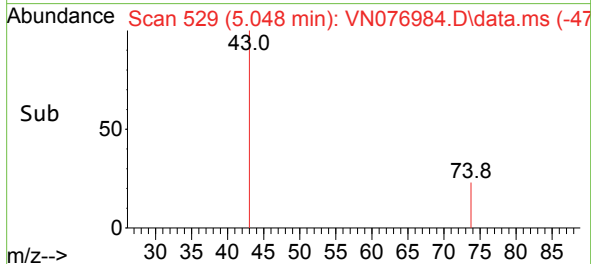
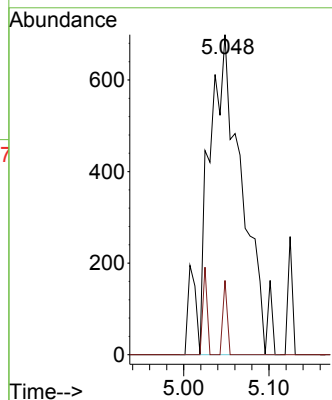
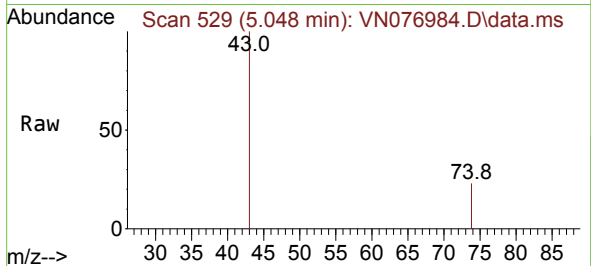




#18
Methyl Acetate
Concen: 0.369 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

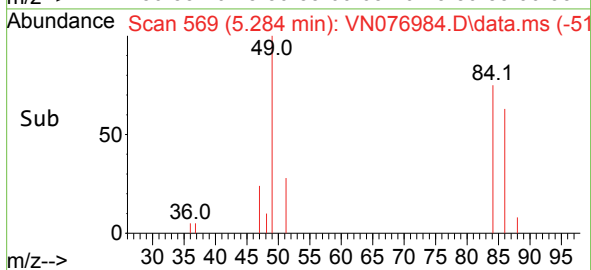
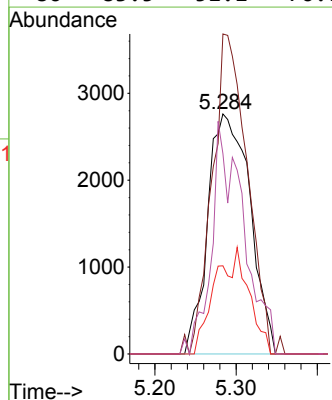
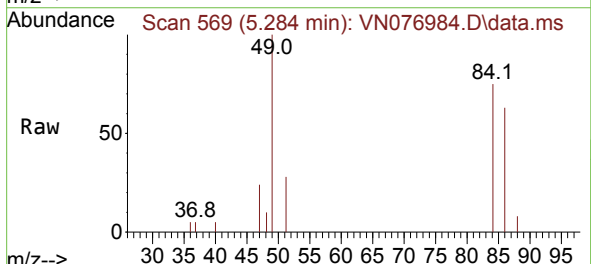
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ClientSampleId :
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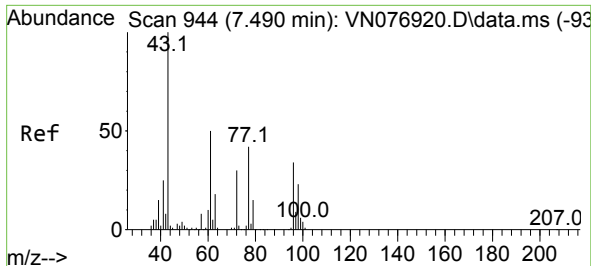
Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
74 2.9 25.9 38.9#



#20
Methylene Chloride
Concen: 2.691 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 84 Resp: 9957
Ion Ratio Lower Upper
84 100
49 133.3 76.6 114.8#
51 36.7 25.4 38.2
86 83.5 51.1 76.7#

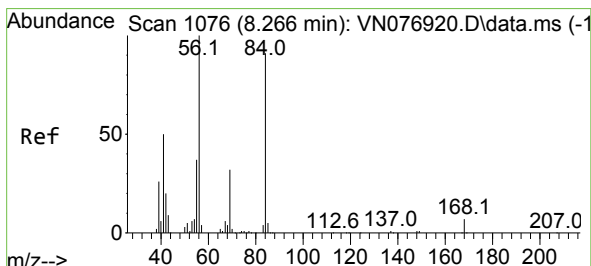
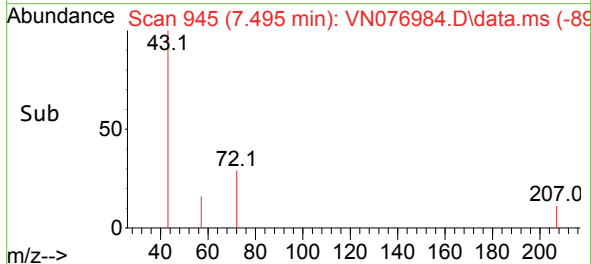
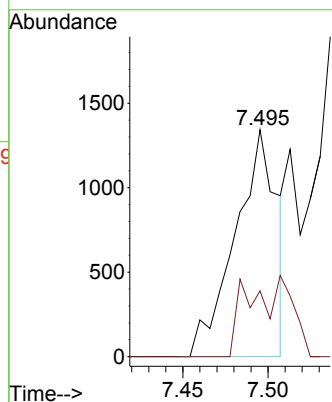
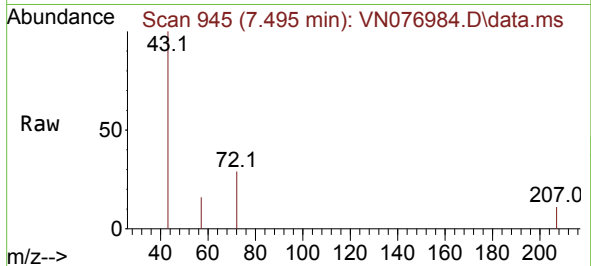




#25
2-Butanone
Concen: 1.115 ug/l
RT: 7.495 min Scan# 94
Delta R.T. 0.005 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

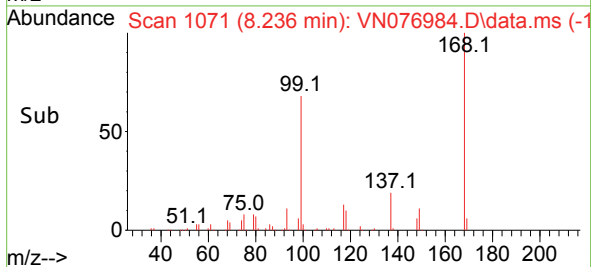
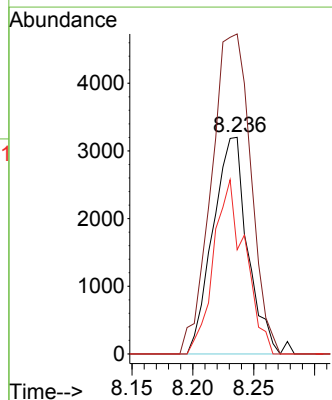
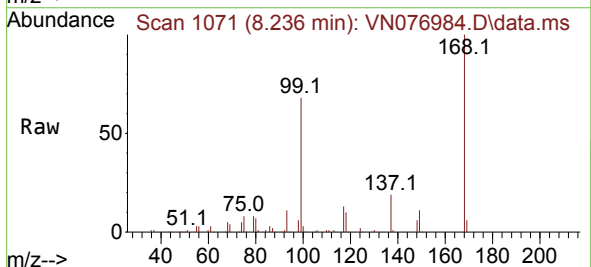
Instrument :
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ClientSampleId :
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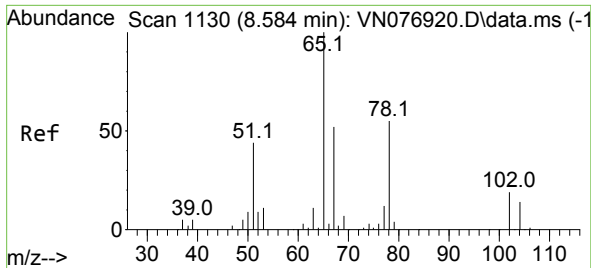
Tgt Ion: 43 Resp: 2281
Ion Ratio Lower Upper
43 100
72 29.0 28.8 43.2



#31
Cyclohexane
Concen: 1.064 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.030 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 56 Resp: 6338
Ion Ratio Lower Upper
56 100
69 147.7 27.0 40.6#
84 48.1 82.9 124.3#

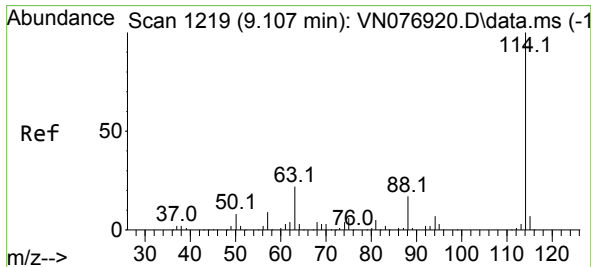
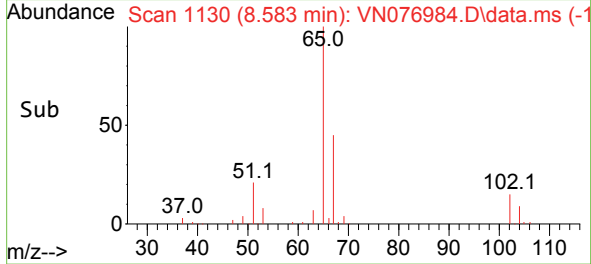
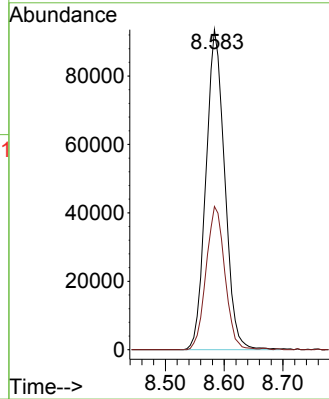
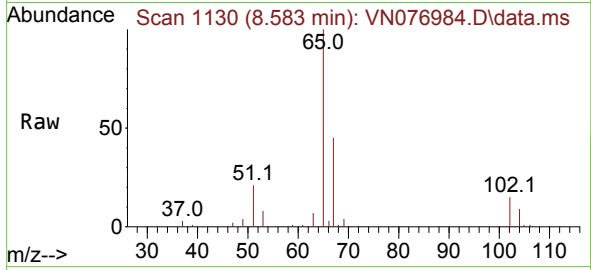




#33
 1,2-Dichloroethane-d4
 Concen: 49.914 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.001 min
 Lab File: VN076984.D
 Acq: 14 Mar 2023 15:57

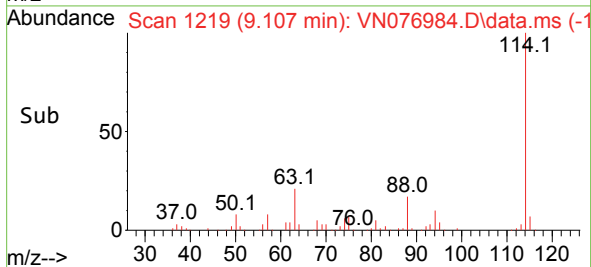
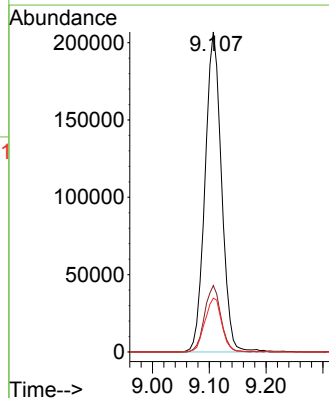
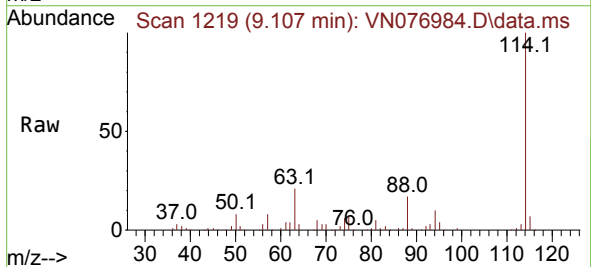
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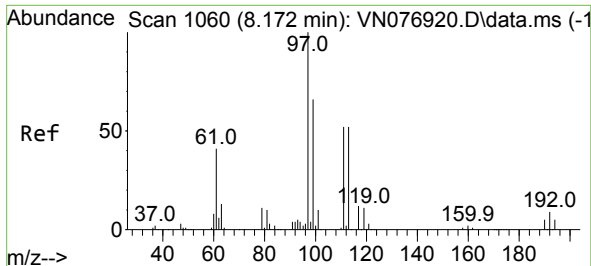
Tgt Ion: 65 Resp: 207252
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN076984.D
 Acq: 14 Mar 2023 15:57

Tgt Ion: 114 Resp: 415875
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 36.6
 88 16.8 0.0 28.6

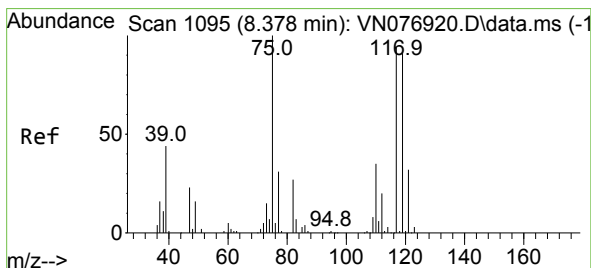
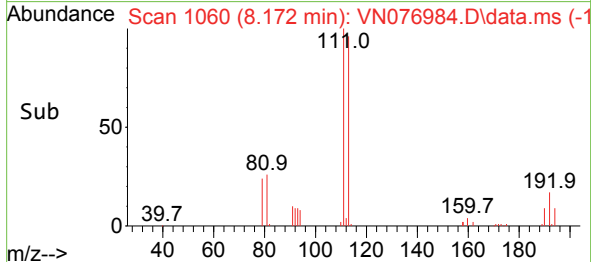
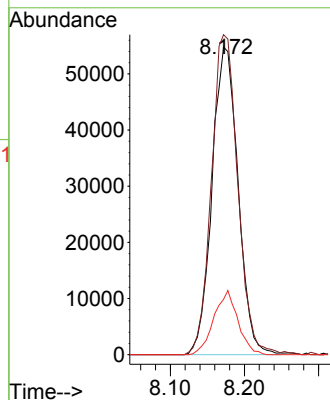
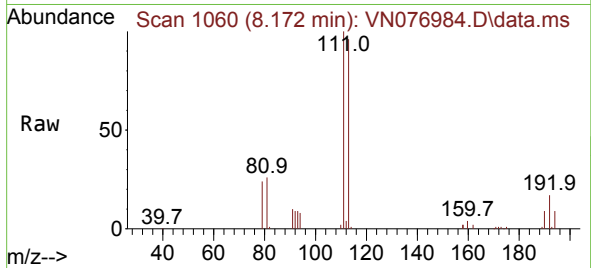




#35
 Dibromofluoromethane
 Concen: 48.322 ug/l
 RT: 8.172 min Scan# 1060
 Delta R.T. -0.000 min
 Lab File: VN076984.D
 Acq: 14 Mar 2023 15:57

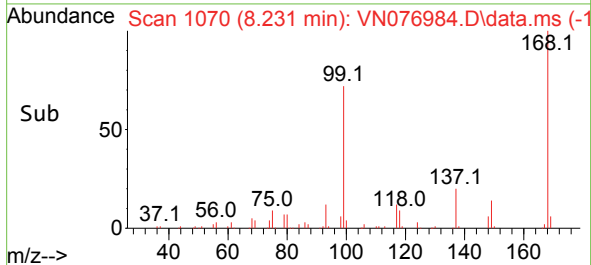
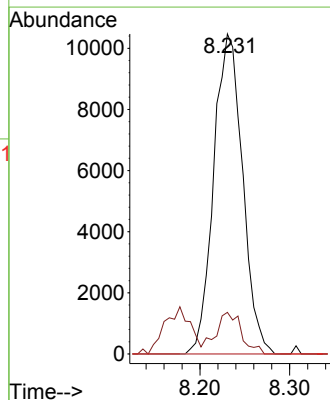
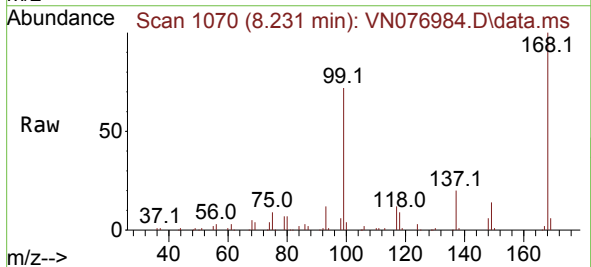
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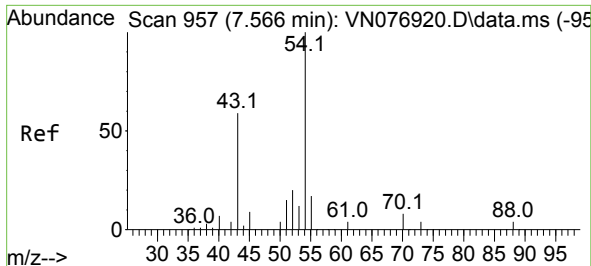
Tgt Ion:113 Resp: 133933
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.8 122.8
 192 19.2 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 5.453 ug/l
 RT: 8.231 min Scan# 1070
 Delta R.T. -0.147 min
 Lab File: VN076984.D
 Acq: 14 Mar 2023 15:57

Tgt Ion: 75 Resp: 23375
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.9 56.9#
 77 0.0 24.9 37.3#

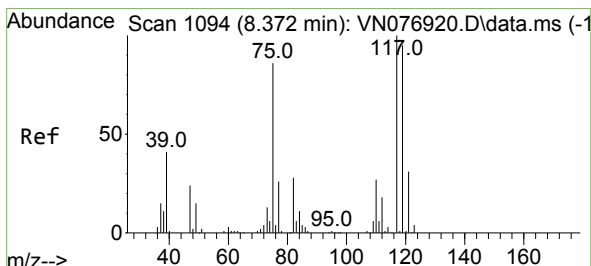
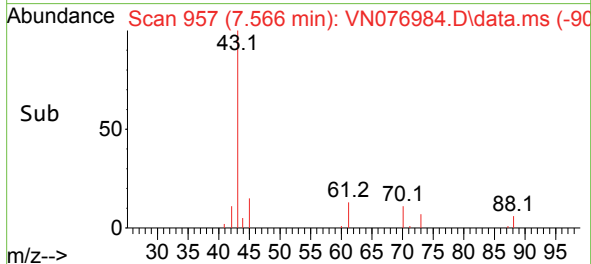
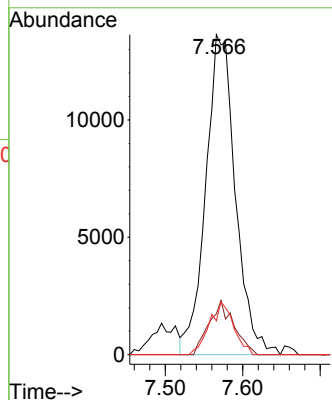
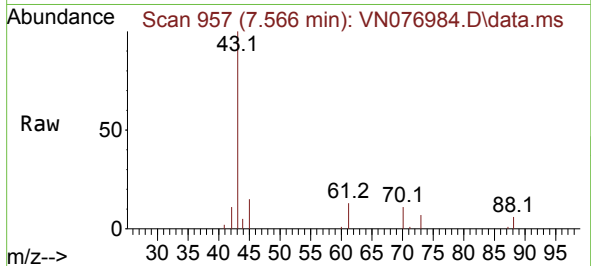




#37
Ethyl Acetate
Concen: 10.566 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

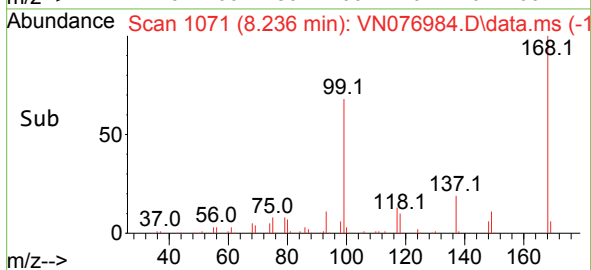
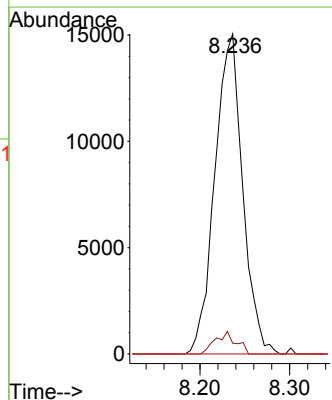
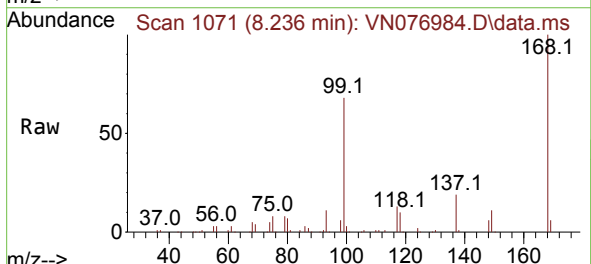
Instrument :
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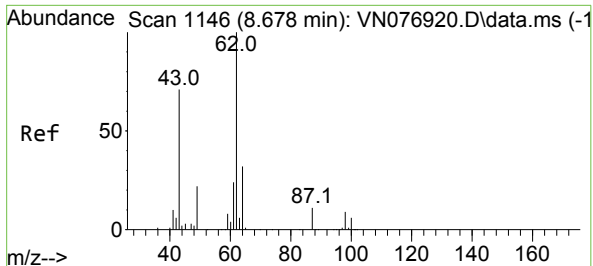
Tgt Ion:	43	Resp:	36221
Ion	Ratio	Lower	Upper
43	100		
61	14.2	13.5	20.3
70	13.4	11.0	16.6



#38
Carbon Tetrachloride
Concen: 6.460 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.136 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion:	117	Resp:	32410
Ion	Ratio	Lower	Upper
117	100		
119	3.4	76.9	115.3#
121	0.0	23.2	34.8#





#42

1,2-Dichloroethane

Concen: 0.252 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.011 min

Lab File: VN076984.D

Acq: 14 Mar 2023 15:57

Instrument :

MSVOA_N

ClientSampleId :

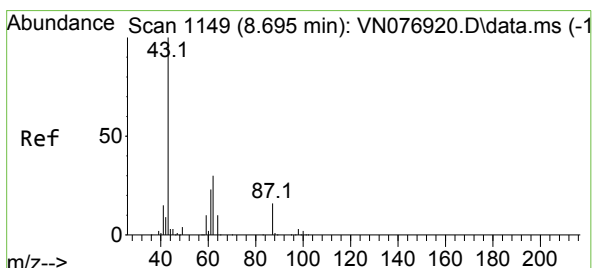
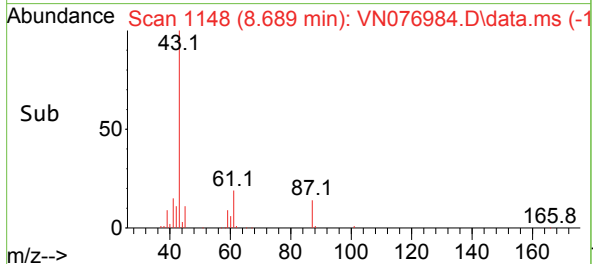
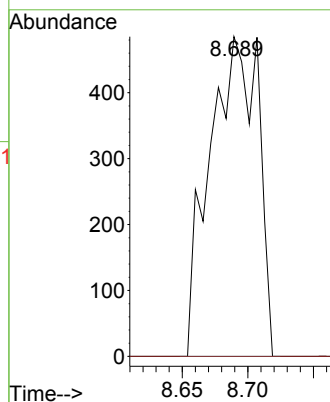
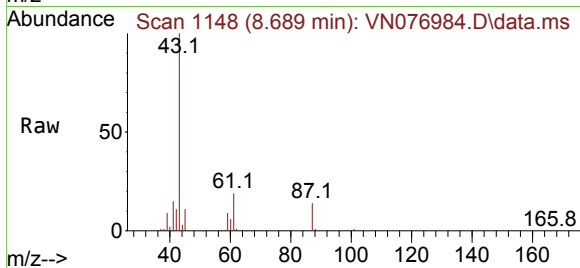
PB151382ZHE#03

Tgt Ion: 62 Resp: 1244

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8



#43

Isopropyl Acetate

Concen: 33.381 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076984.D

Acq: 14 Mar 2023 15:57

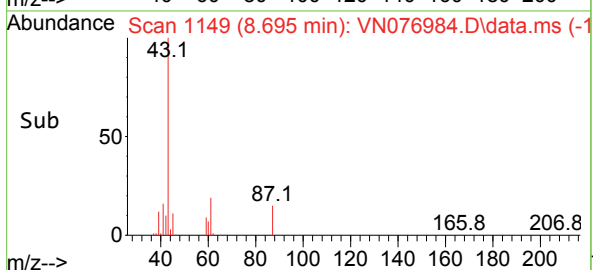
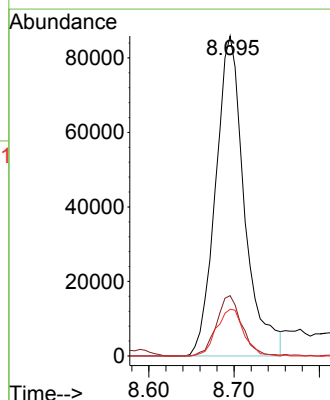
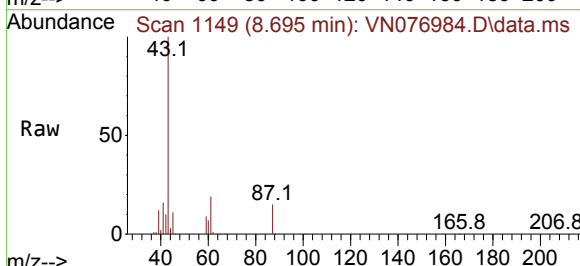
Tgt Ion: 43 Resp: 202008

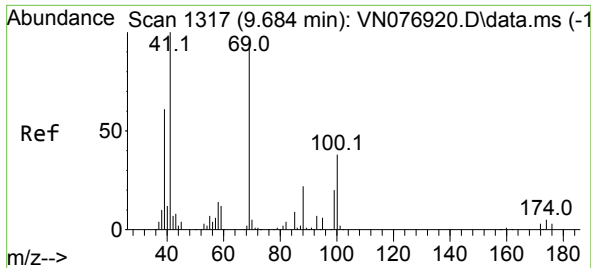
Ion Ratio Lower Upper

43 100

61 16.6 26.2 39.2#

87 13.8 14.8 22.2#

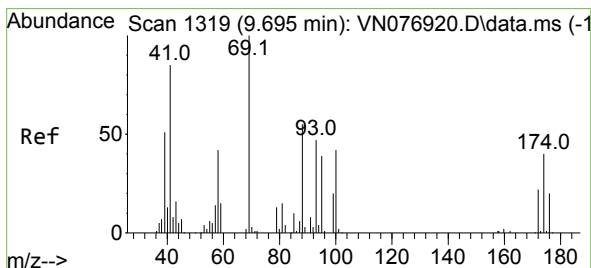
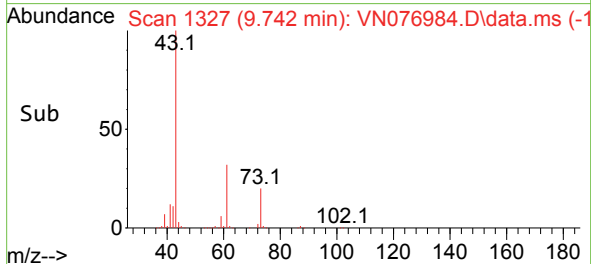
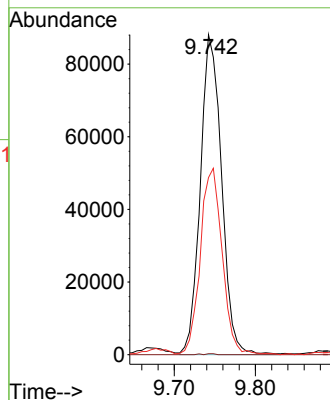
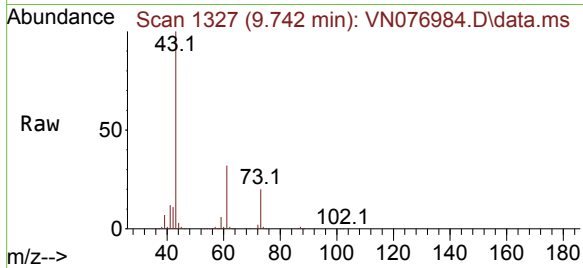




#48
Methyl methacrylate
Concen: 54.014 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.058 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

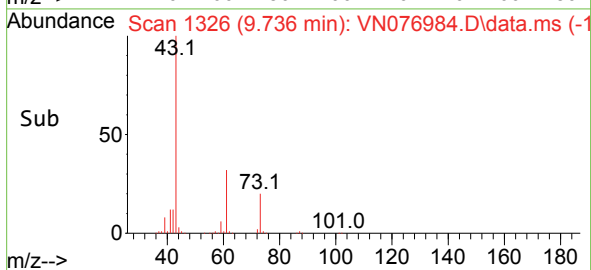
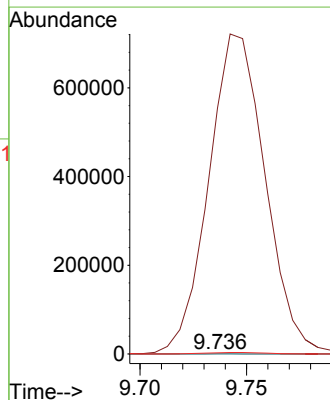
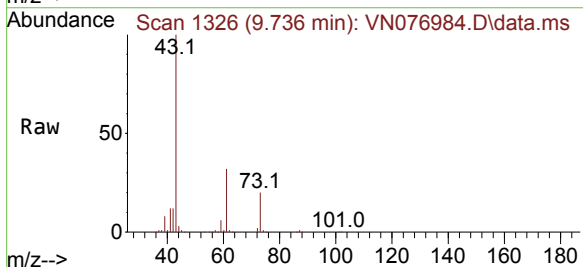
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

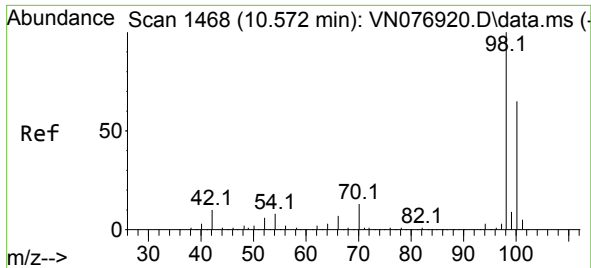
Tgt Ion: 41 Resp: 160156
Ion Ratio Lower Upper
41 100
69 0.2 92.6 139.0#
39 60.2 51.4 77.0



#49
1,4-Dioxane
Concen: 5.415 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.041 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 88 Resp: 304
Ion Ratio Lower Upper
88 100
43 439923.4 15.3 22.9#
58 2053.0 47.6 71.4#

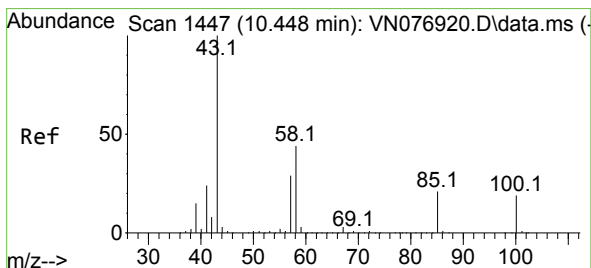
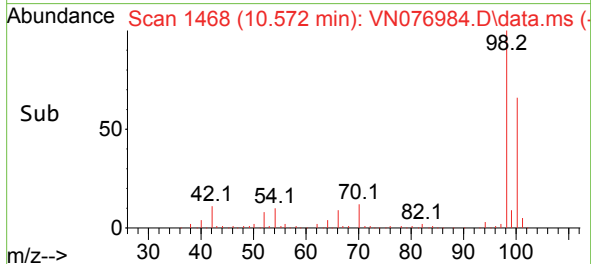
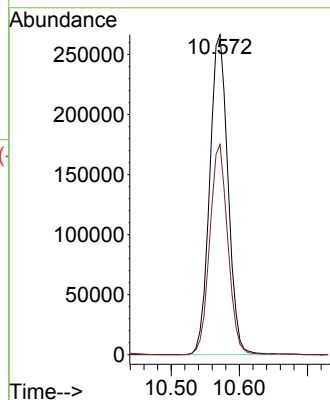
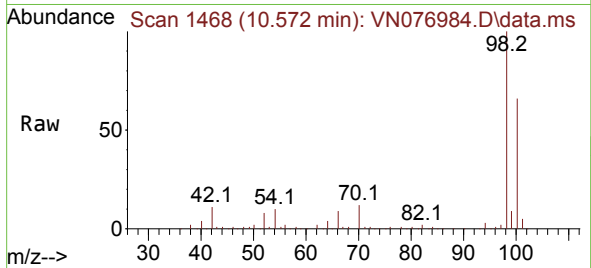




#50
Toluene-d8
Concen: 48.680 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

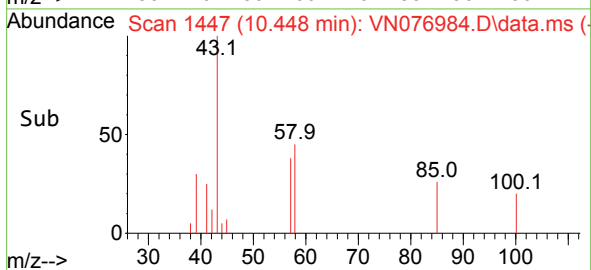
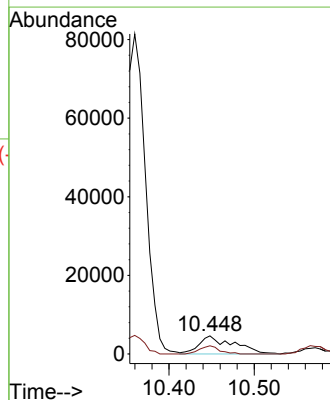
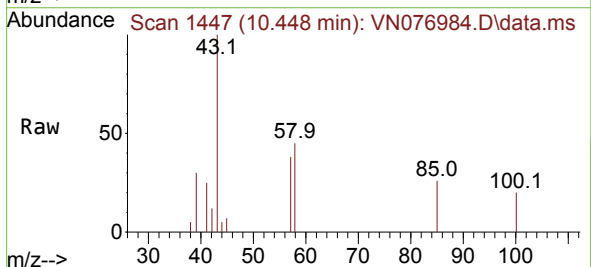
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

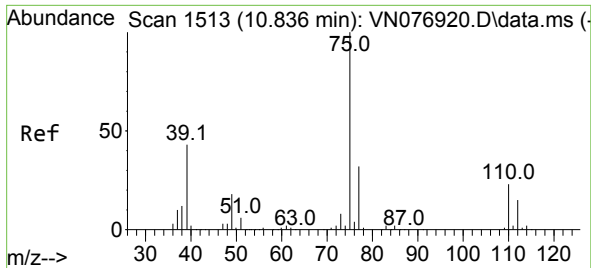
Tgt Ion: 98 Resp: 497258
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.572 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 43 Resp: 12984
Ion Ratio Lower Upper
43 100
58 25.6 37.4 56.0#

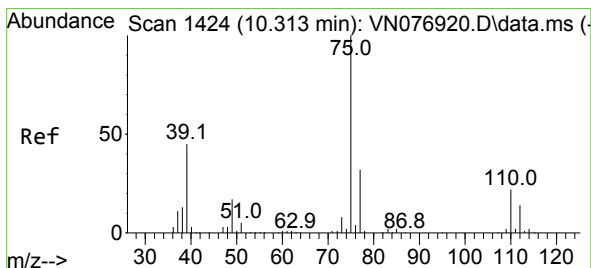
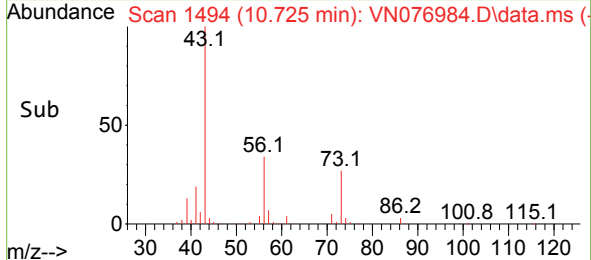
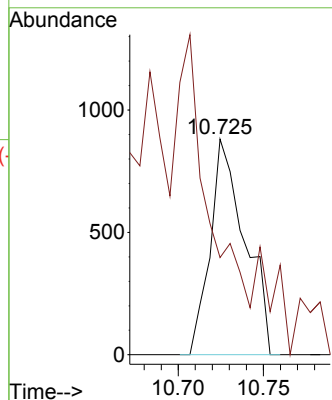
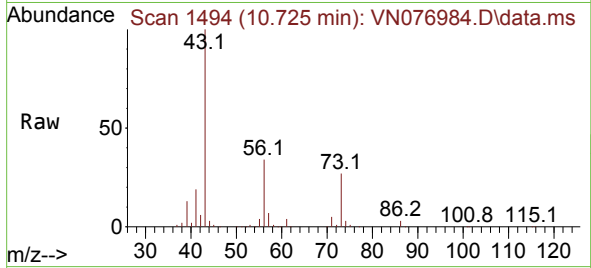




#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 10.725 min Scan# 1494
 Delta R.T. -0.111 min
 Lab File: VN076984.D
 Acq: 14 Mar 2023 15:57

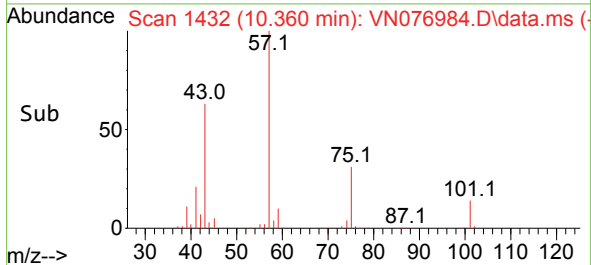
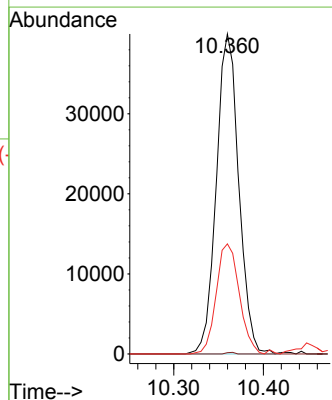
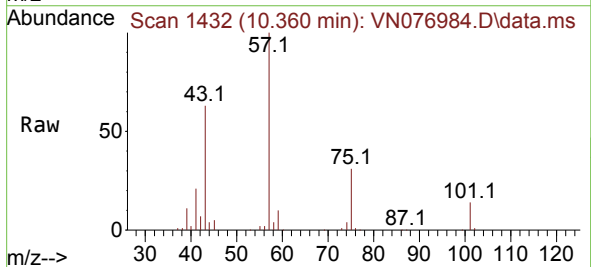
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#03

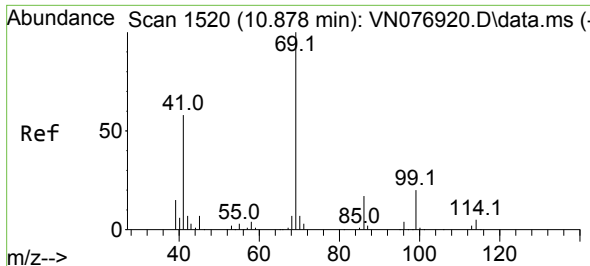
Tgt Ion: 75 Resp: 1249
 Ion Ratio Lower Upper
 75 100
 77 3.4 25.0 37.6#



#54
 cis-1,3-Dichloropropene
 Concen: 13.752 ug/l
 RT: 10.360 min Scan# 1432
 Delta R.T. 0.047 min
 Lab File: VN076984.D
 Acq: 14 Mar 2023 15:57

Tgt Ion: 75 Resp: 69352
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 34.4 29.7 44.5

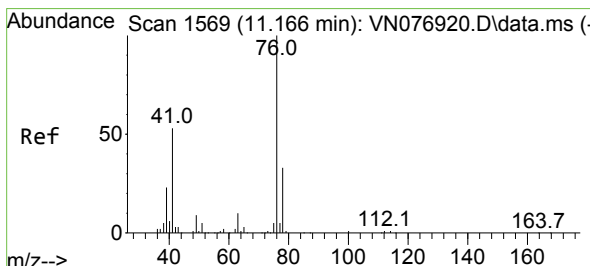
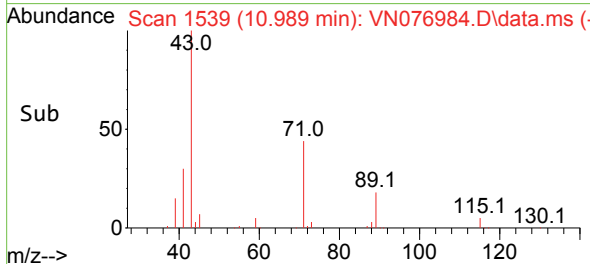
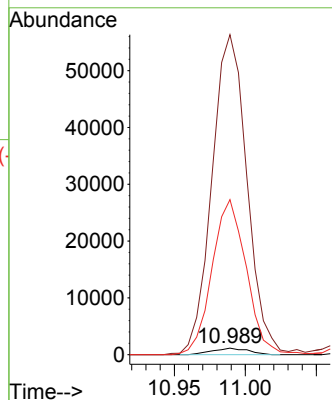
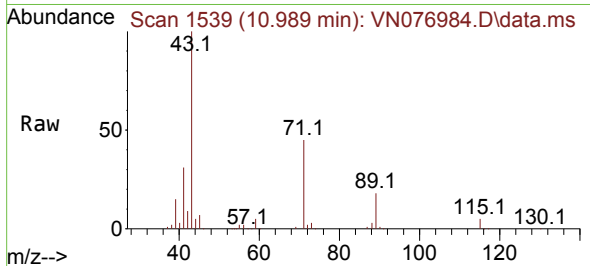




#56
Ethyl methacrylate
Concen: 0.441 ug/l
RT: 10.989 min Scan# 1539
Delta R.T. 0.111 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

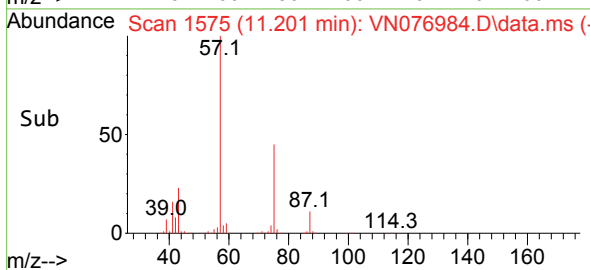
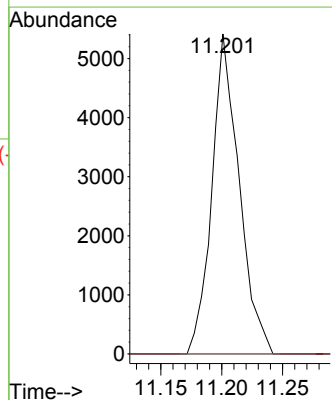
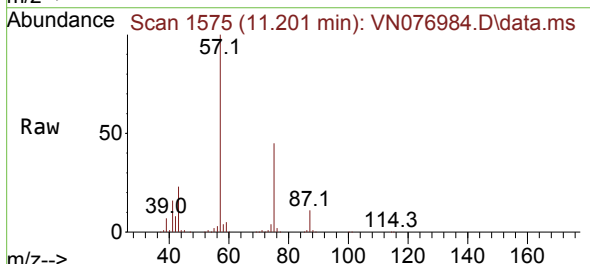
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

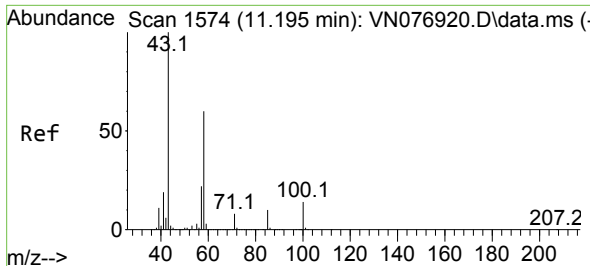
Tgt Ion: 69 Resp: 2023
Ion Ratio Lower Upper
69 100
41 4803.1 38.0 57.0#
39 2267.3 22.4 33.6#



#57
1,3-Dichloropropane
Concen: 1.583 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 76 Resp: 8447
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

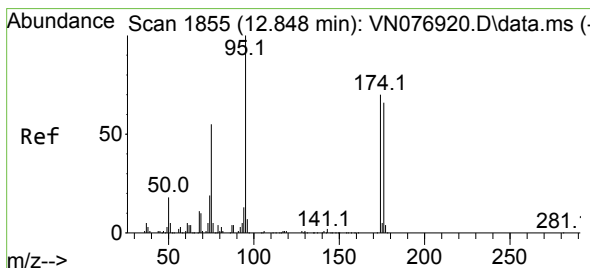
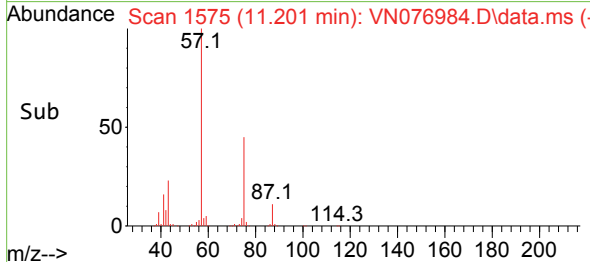
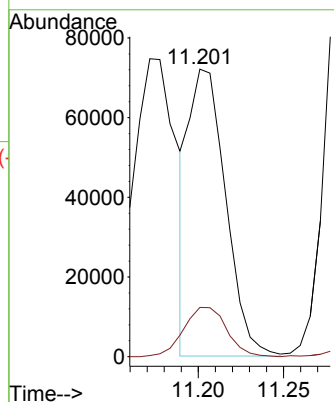
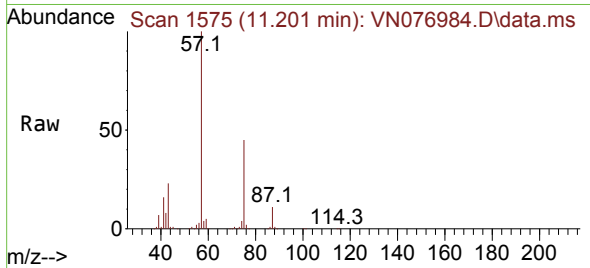




#59
2-Hexanone
Concen: 41.075 ug/l
RT: 11.201 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

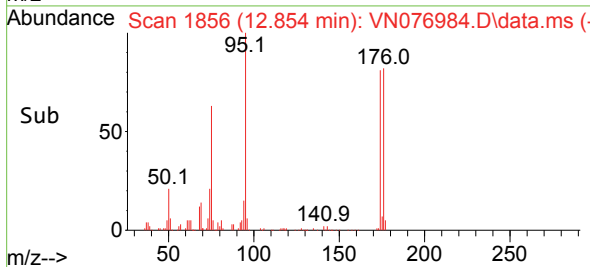
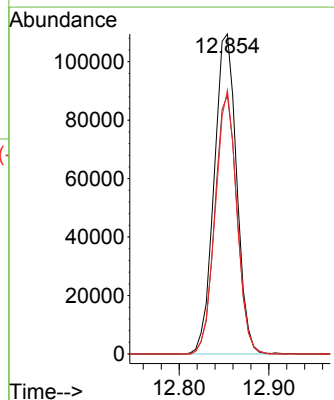
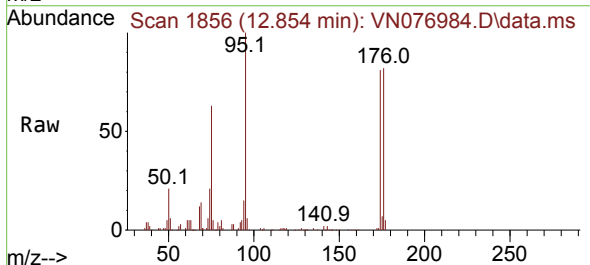
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

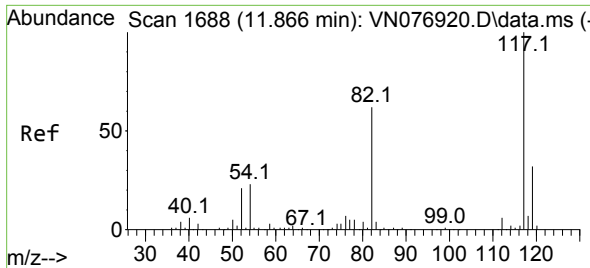
Tgt Ion: 43 Resp: 108873
Ion Ratio Lower Upper
43 100
58 20.1 32.6 98.0#



#62
4-Bromofluorobenzene
Concen: 50.932 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 95 Resp: 190297
Ion Ratio Lower Upper
95 100
174 79.2 0.0 162.4
176 78.6 0.0 157.4

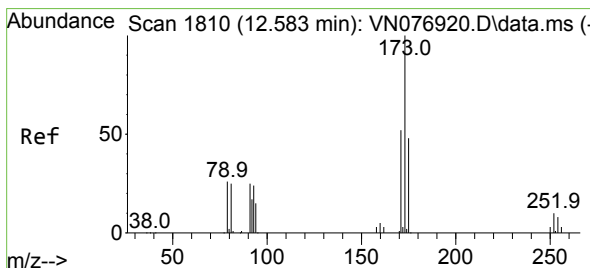
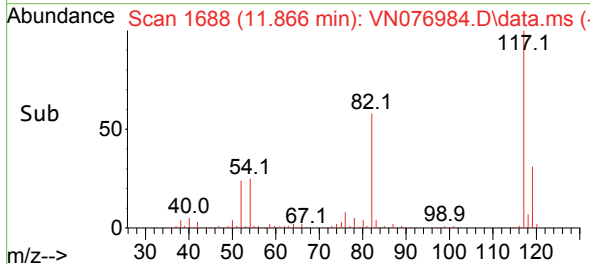
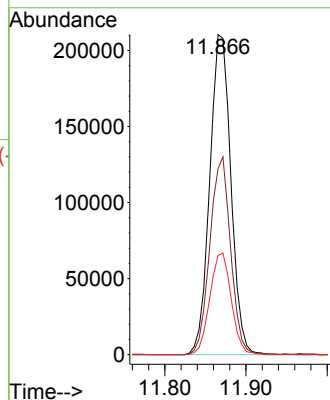
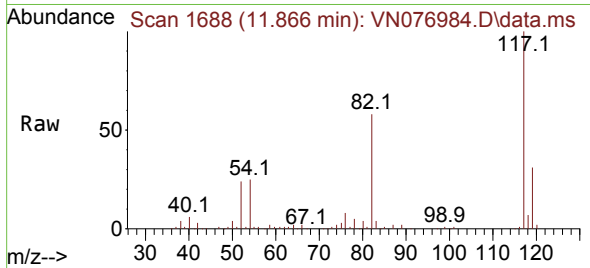




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

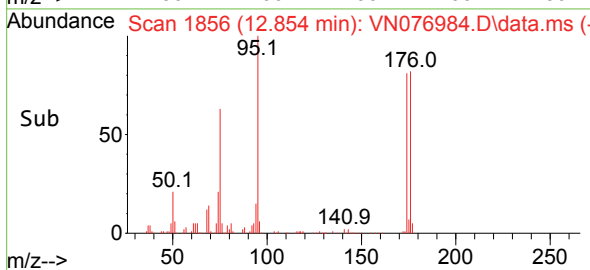
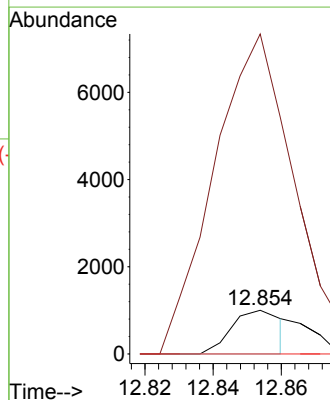
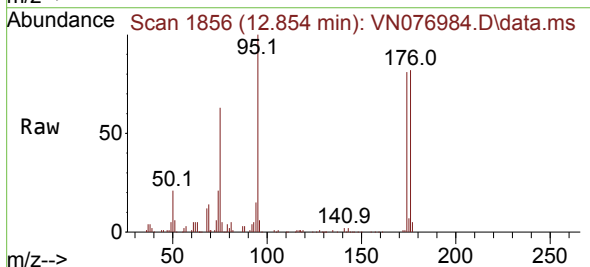
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

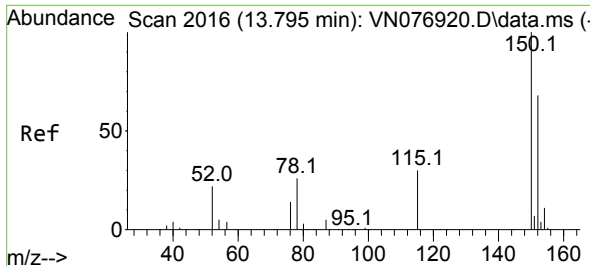
Tgt Ion:117 Resp: 380867
Ion Ratio Lower Upper
117 100
82 58.2 43.5 65.3
119 31.1 25.5 38.3



#71
Bromoform
Concen: 0.430 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion:173 Resp: 1037
Ion Ratio Lower Upper
173 100
175 958.1 24.9 74.6#
254 0.0 0.0 0.0

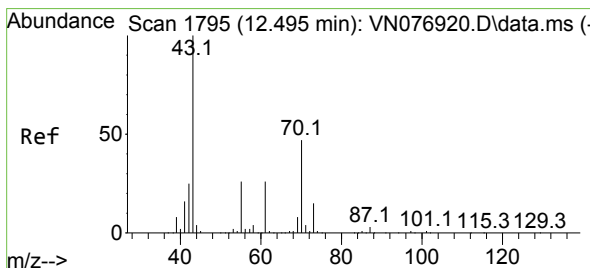
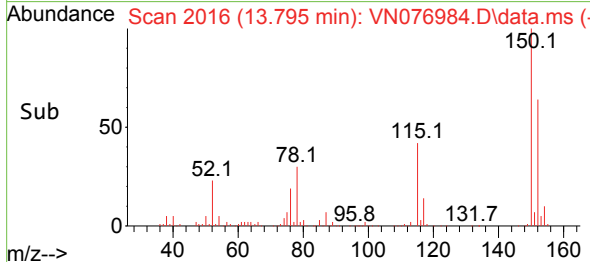
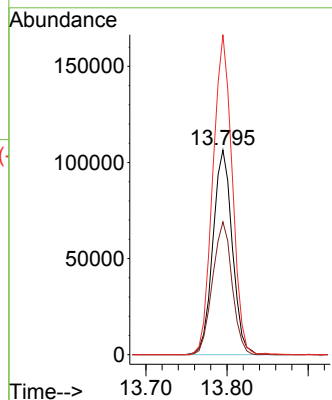
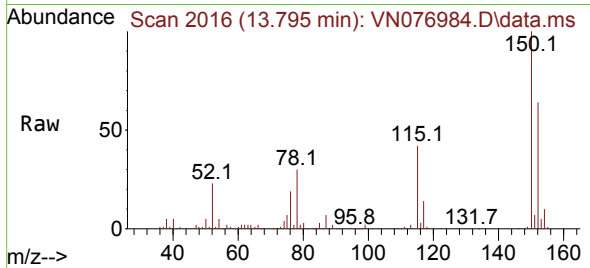




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

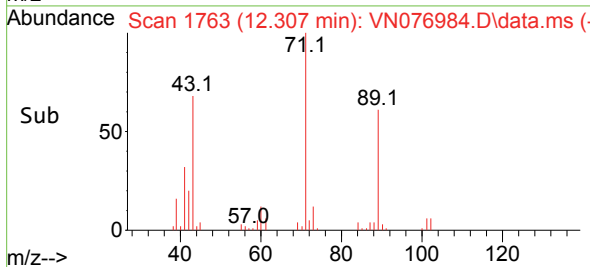
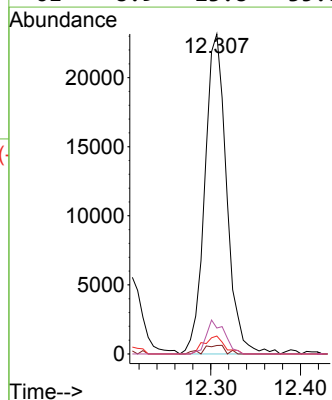
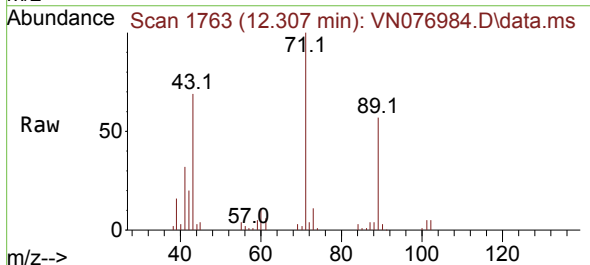
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MSVOA_N
ClientSampleId :
PB151382ZHE#03

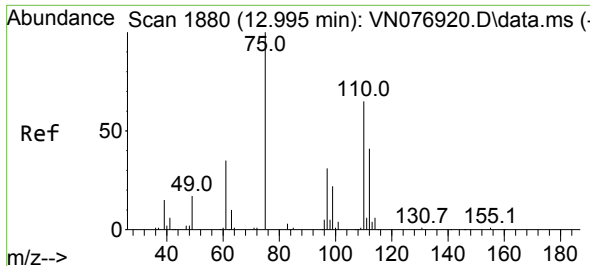
Tgt Ion:152 Resp: 176266
Ion Ratio Lower Upper
152 100
115 65.5 30.3 90.9
150 155.9 0.0 353.6



#74
N-ethyl acetate
Concen: 7.507 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 43 Resp: 39041
Ion Ratio Lower Upper
43 100
70 2.7 46.8 70.2#
55 5.3 23.4 35.2#
61 8.9 23.8 35.8#

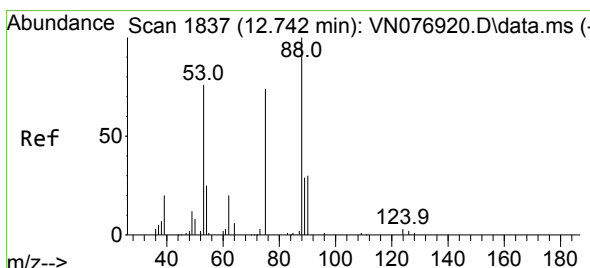
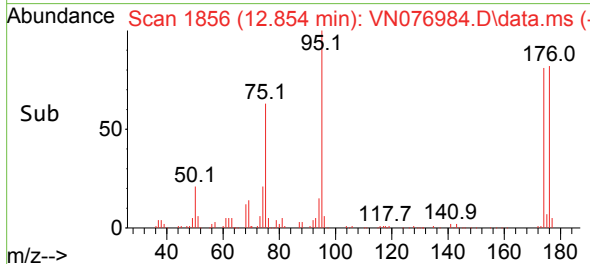
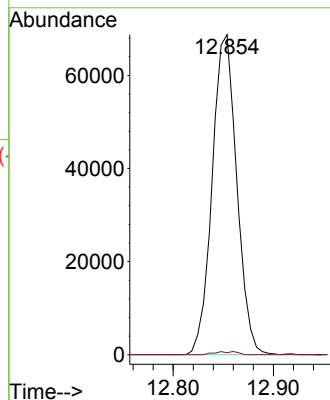
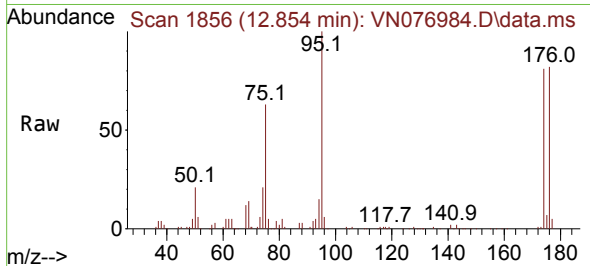




#76
1,2,3-Trichloropropane
Concen: 27.441 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

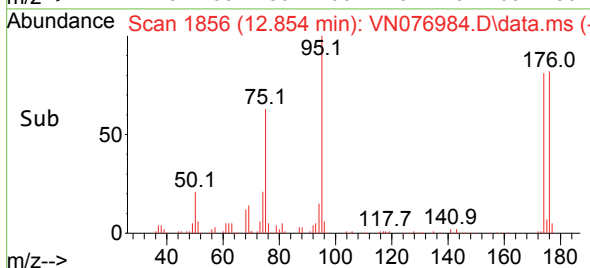
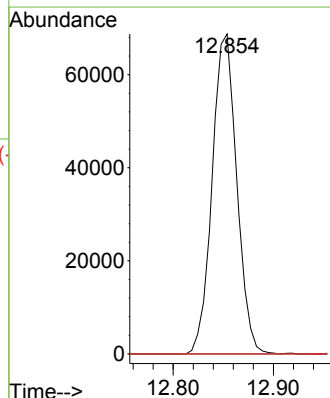
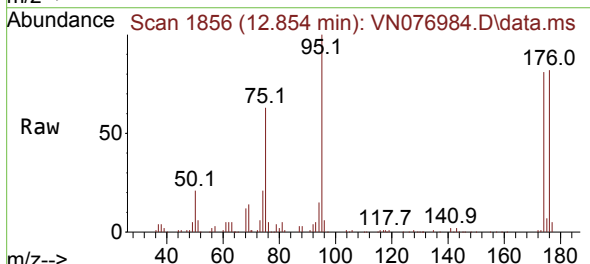
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

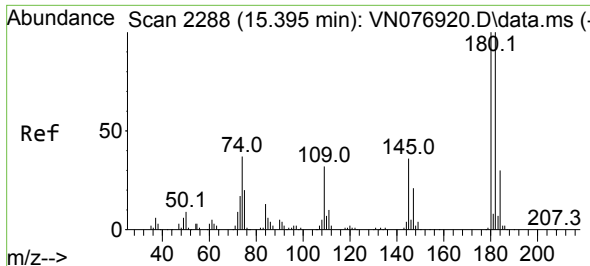
Tgt Ion: 75 Resp: 117268
Ion Ratio Lower Upper
75 100
77 0.9 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.636 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion: 75 Resp: 117268
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.0 39.5 59.3#

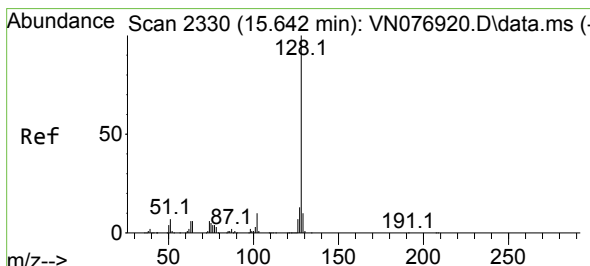
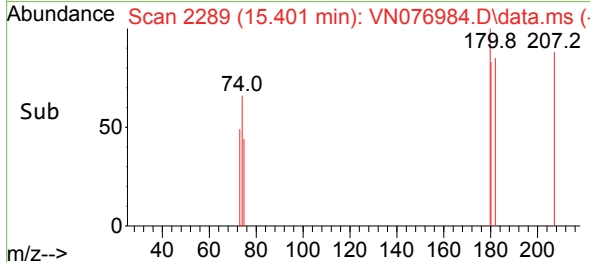
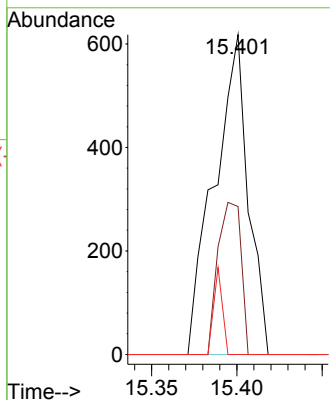
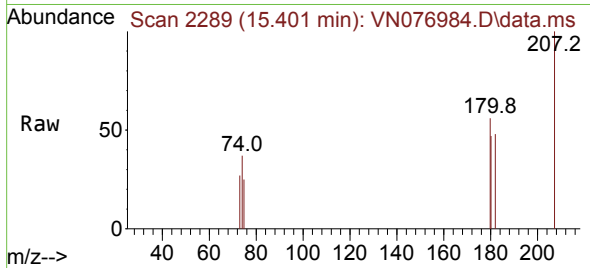




#93
1,2,4-Trichlorobenzene
Concen: 0.238 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#03

Tgt Ion:180 Resp: 852
Ion Ratio Lower Upper
180 100
182 32.6 47.4 142.2#
145 6.9 15.8 47.3#



#95
Naphthalene
Concen: 0.206 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076984.D
Acq: 14 Mar 2023 15:57

Tgt Ion:128 Resp: 2187
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 5.7 8.9 13.3#

