

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076658.D
 Acq On : 14 Feb 2023 13:41
 Operator : JC\MD
 Sample : PB150840TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150840TB

Quant Time: Feb 14 15:23:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

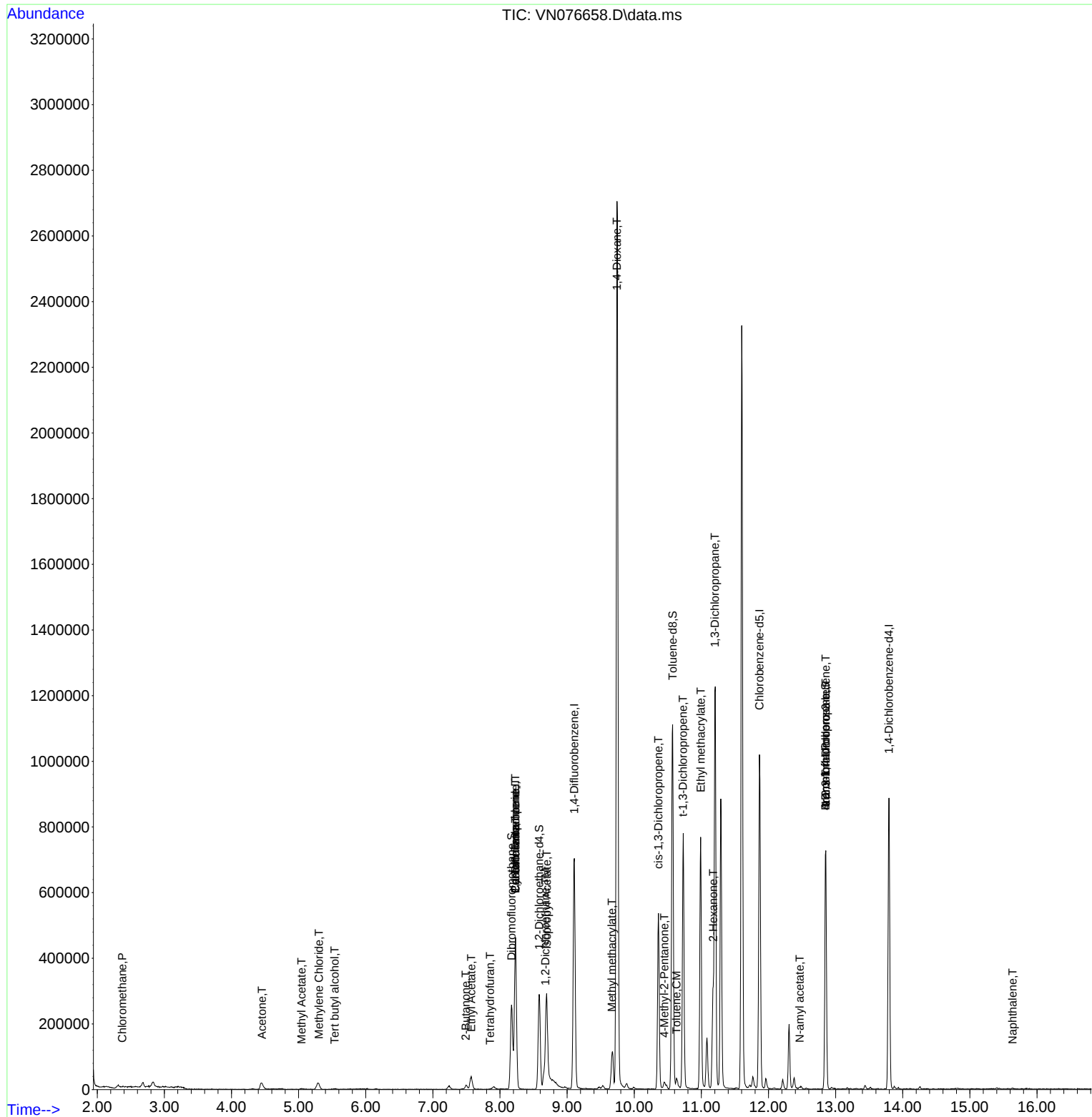
Internal Standards						
1) Pentafluorobenzene	8.231	168	321086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	609183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	578129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	231496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	225542	50.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.740%			
35) Dibromofluoromethane	8.172	113	184611	46.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.560%			
50) Toluene-d8	10.572	98	763466	51.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.848	95	239490	48.534	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.060%			
Target Compounds						Qvalue
3) Chloromethane	2.372	50	1130	0.254	ug/l #	44
11) Tert butyl alcohol	5.537	59	2503	4.277	ug/l	100
16) Acetone	4.454	43	40194	20.295	ug/l #	83
18) Methyl Acetate	5.043	43	4971	0.769	ug/l #	80
20) Methylene Chloride	5.301	84	13843	3.335	ug/l #	86
25) 2-Butanone	7.489	43	18390	6.295	ug/l	93
29) Tetrahydrofuran	7.854	42	1253	0.656	ug/l #	63
31) Cyclohexane	8.231	56	8397	1.207	ug/l #	9
36) 1,1-Dichloropropene	8.231	75	27480	4.767	ug/l #	50
37) Ethyl Acetate	7.572	43	60966	10.053	ug/l	97
38) Carbon Tetrachloride	8.231	117	35623	6.126	ug/l #	19
42) 1,2-Dichloroethane	8.678	62	1754	0.284	ug/l #	74
43) Isopropyl Acetate	8.695	43	388287	39.346	ug/l #	81
48) Methyl methacrylate	9.666	41	9322	1.991	ug/l #	14
49) 1,4-Dioxane	9.742	88	421	5.197	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	25203	4.014	ug/l #	76
52) Toluene	10.630	92	12025	1.125	ug/l	94
53) t-1,3-Dichloropropene	10.725	75	2201	0.380	ug/l #	80
54) cis-1,3-Dichloropropene	10.360	75	93019	13.911	ug/l #	66
56) Ethyl methacrylate	10.989	69	2864	0.468	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	11699	1.567	ug/l #	42
59) 2-Hexanone	11.177	43	246418	54.430	ug/l #	27
71) Bromoform	12.848	173	2221	0.680	ug/l #	1
74) N-amyl acetate	12.466	43	2867	0.375	ug/l #	54
76) 1,2,3-Trichloropropane	12.854	75	129306	27.628	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	129306	80.469	ug/l #	4
95) Naphthalene	15.636	128	3388	0.273	ug/l #	85

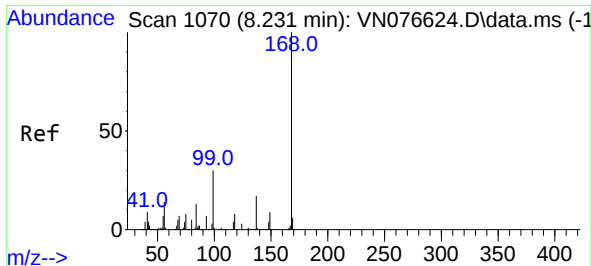
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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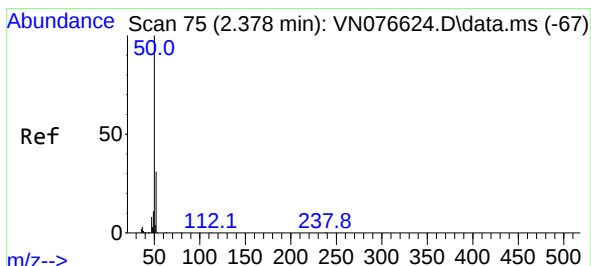
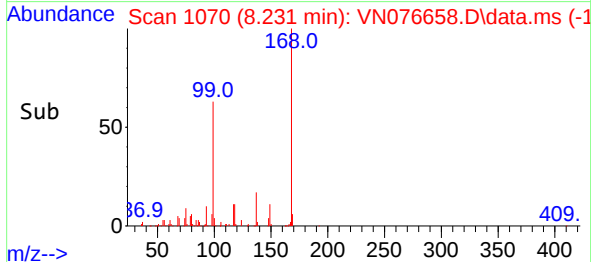
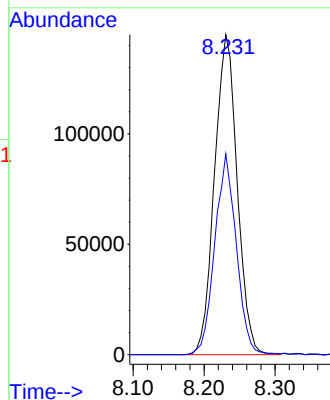
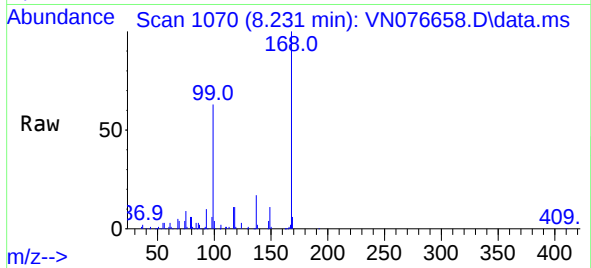




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

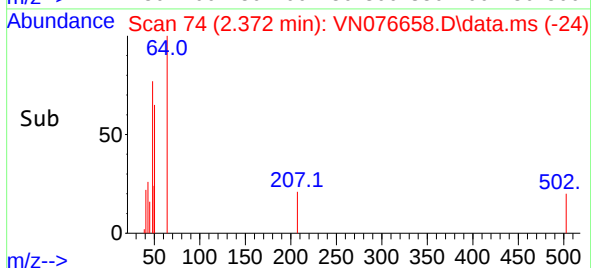
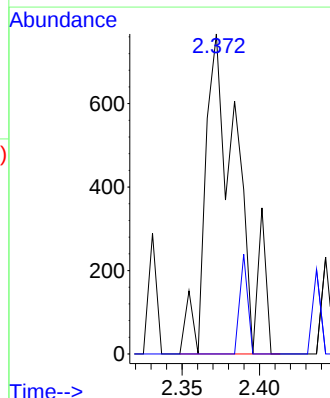
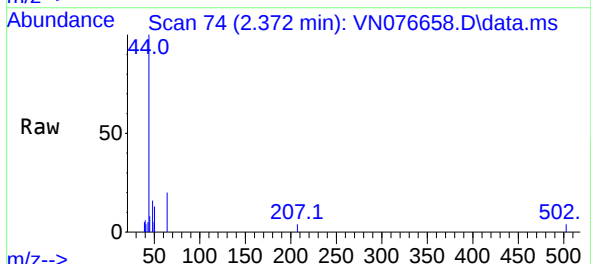
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

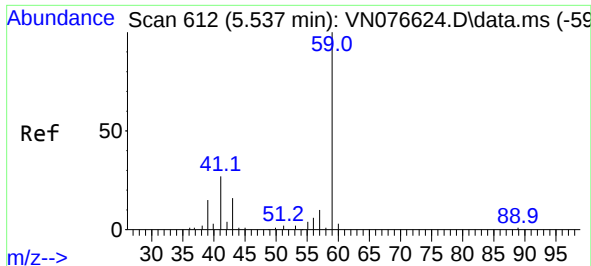
Tgt Ion:168 Resp: 321086
Ion Ratio Lower Upper
168 100
99 62.8 44.8 67.2



#3
Chloromethane
Concen: 0.254 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 50 Resp: 1130
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 4.277 ug/l

RT: 5.537 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN076658.D

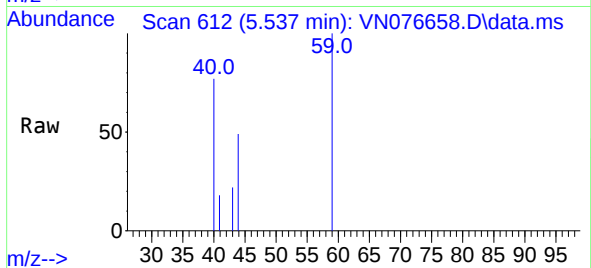
Acq: 14 Feb 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

PB150840TB

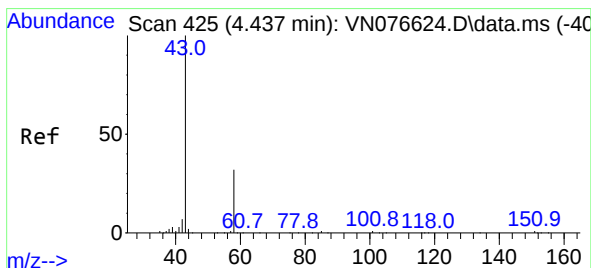
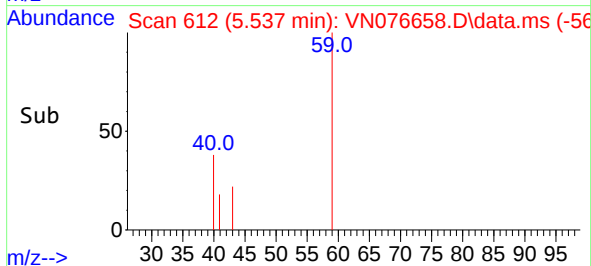
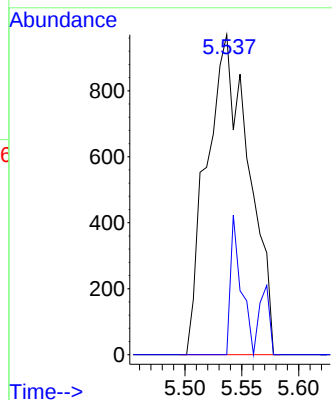


Tgt Ion: 59 Resp: 2503

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#16

Acetone

Concen: 20.295 ug/l

RT: 4.454 min Scan# 428

Delta R.T. 0.017 min

Lab File: VN076658.D

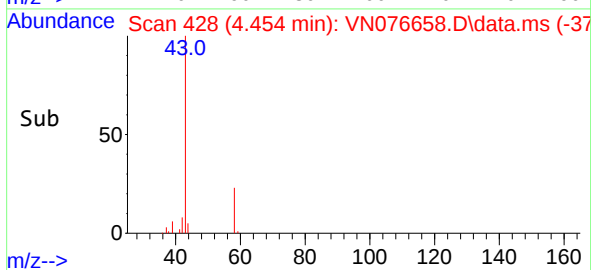
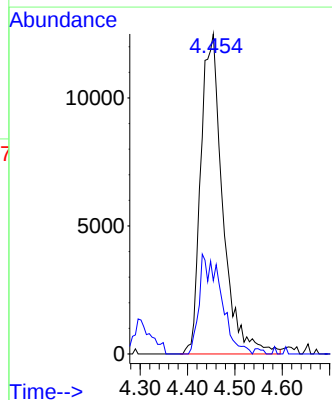
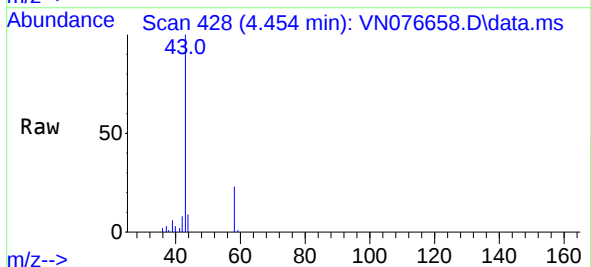
Acq: 14 Feb 2023 13:41

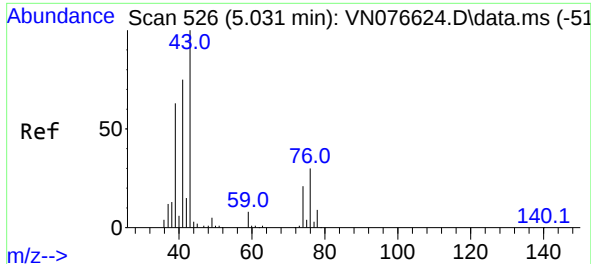
Tgt Ion: 43 Resp: 40194

Ion Ratio Lower Upper

43 100

58 22.9 25.9 38.9#





#18

Methyl Acetate

Concen: 0.769 ug/l

RT: 5.043 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN076658.D

Acq: 14 Feb 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

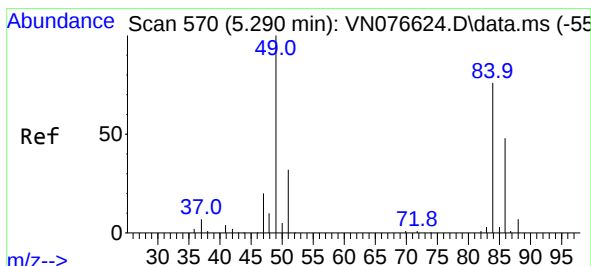
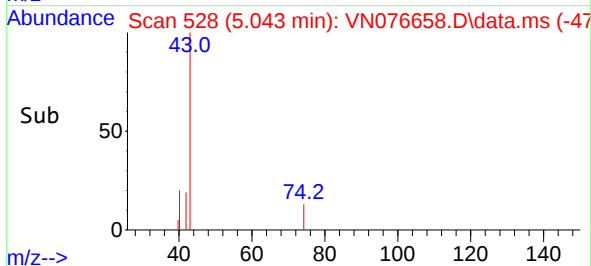
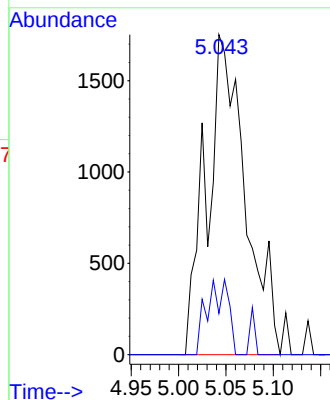
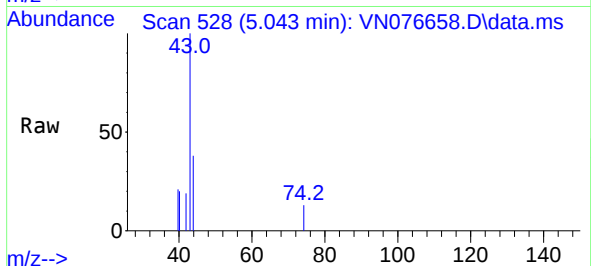
PB150840TB

Tgt Ion: 43 Resp: 4971

Ion Ratio Lower Upper

43 100

74 12.8 17.7 26.5#



#20

Methylene Chloride

Concen: 3.335 ug/l

RT: 5.301 min Scan# 572

Delta R.T. 0.012 min

Lab File: VN076658.D

Acq: 14 Feb 2023 13:41

Tgt Ion: 84 Resp: 13843

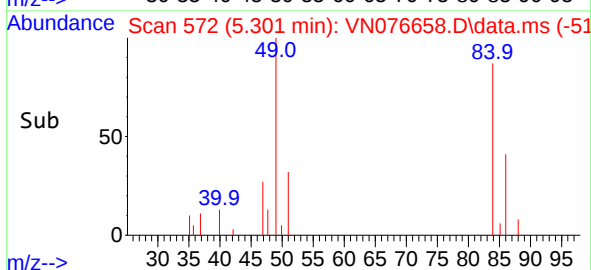
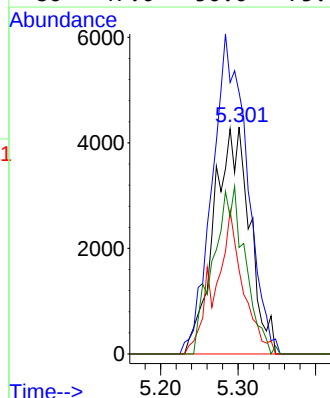
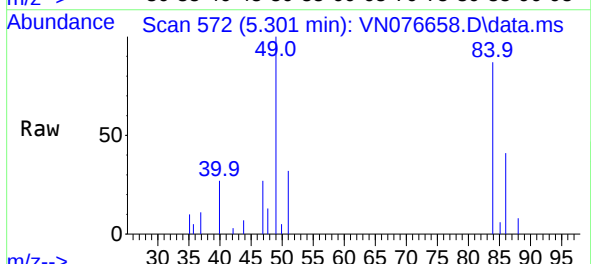
Ion Ratio Lower Upper

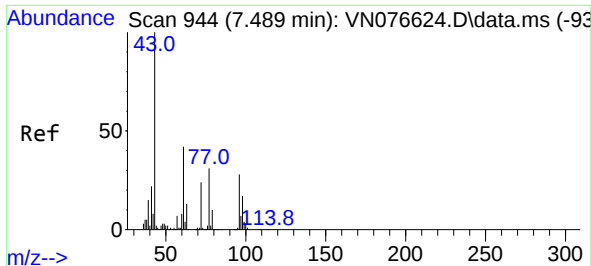
84 100

49 115.3 104.9 157.3

51 37.0 33.8 50.8

86 47.0 50.0 75.0#

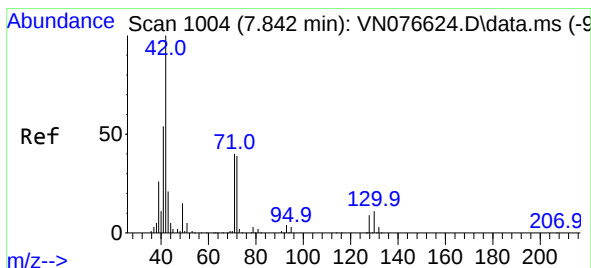
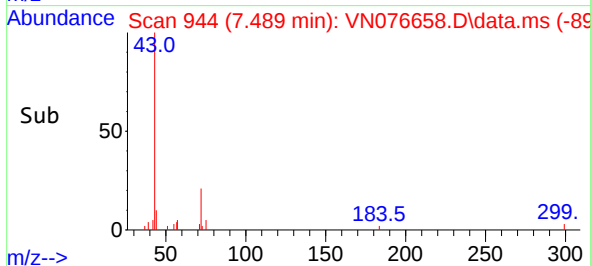
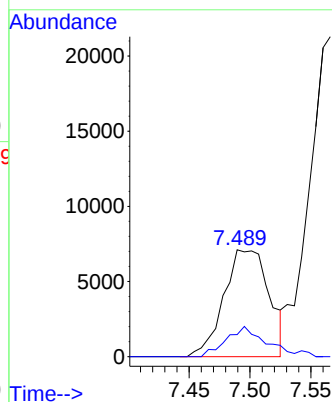
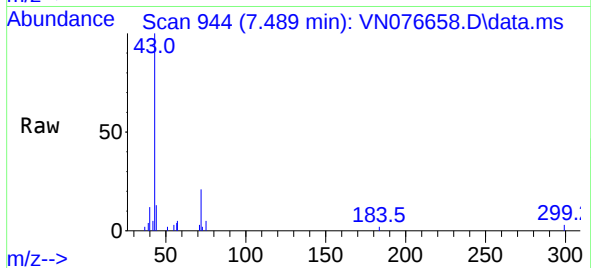




#25
2-Butanone
Concen: 6.295 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

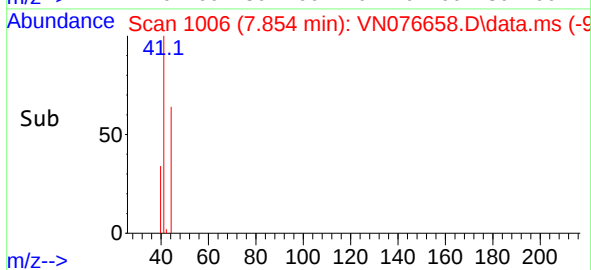
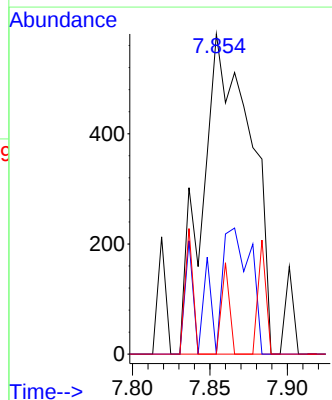
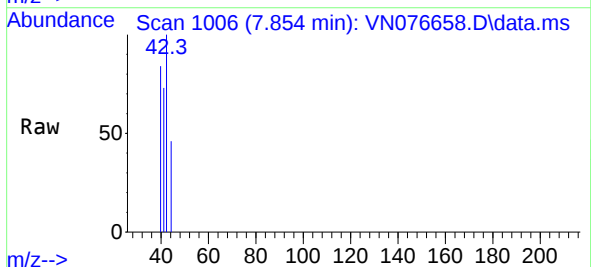
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

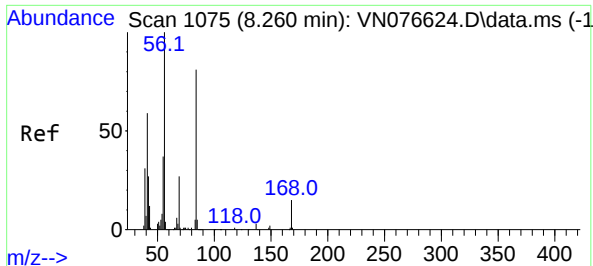
Tgt Ion: 43 Resp: 18390
Ion Ratio Lower Upper
43 100
72 20.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.656 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

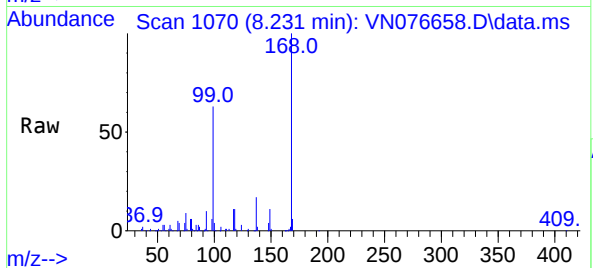
Tgt Ion: 42 Resp: 1253
Ion Ratio Lower Upper
42 100
72 27.4 31.5 47.3#
71 4.7 29.8 44.8#



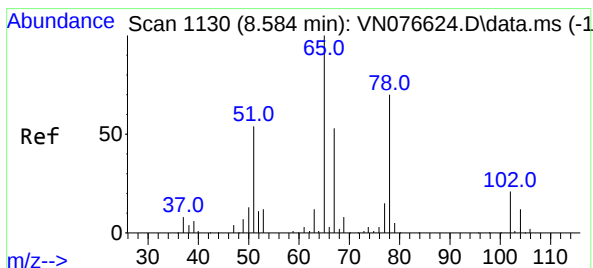
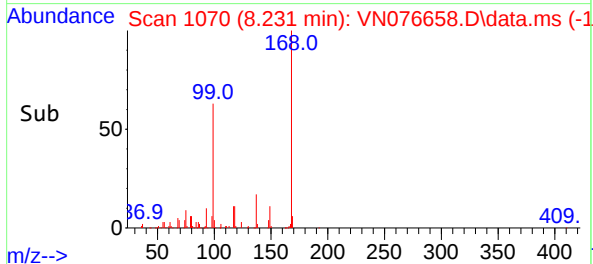
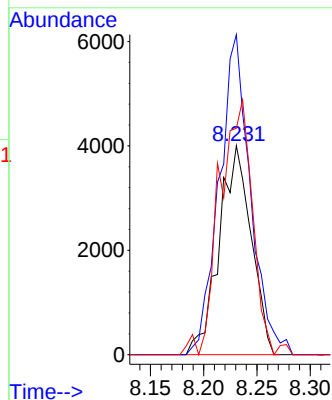


#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Instrument :
MSVOA_N
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PB150840TB

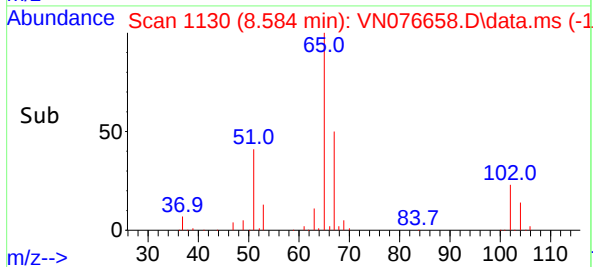
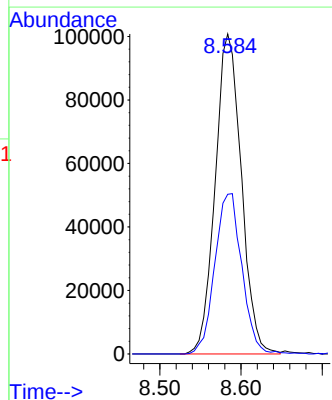
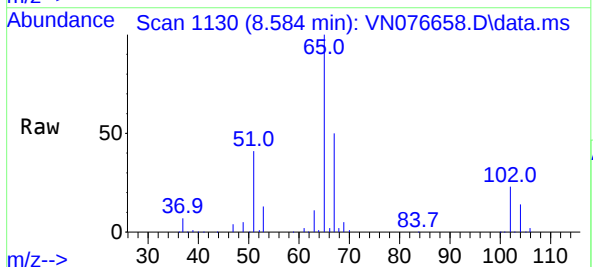


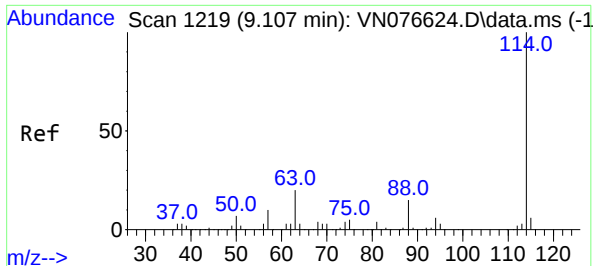
Tgt Ion: 56 Resp: 8397
Ion Ratio Lower Upper
56 100
69 153.1 21.6 32.4#
84 117.0 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 50.870 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 65 Resp: 225542
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076658.D

Acq: 14 Feb 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

PB150840TB

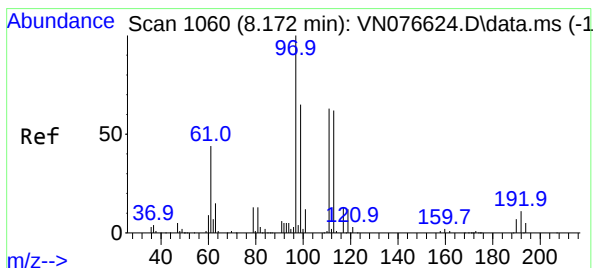
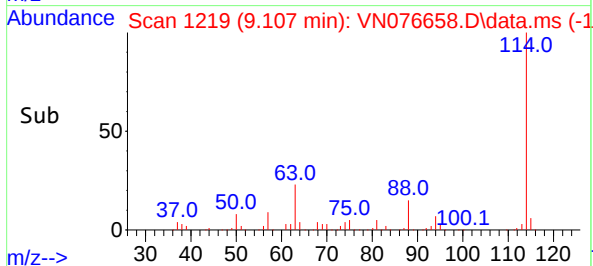
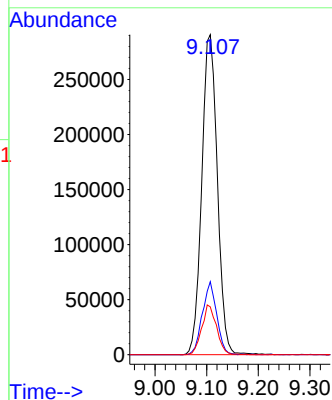
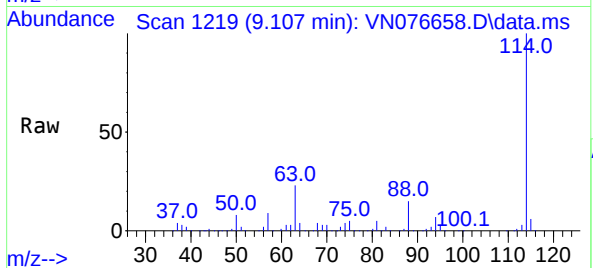
Tgt Ion:114 Resp: 609183

Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.0

88 15.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 46.275 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076658.D

Acq: 14 Feb 2023 13:41

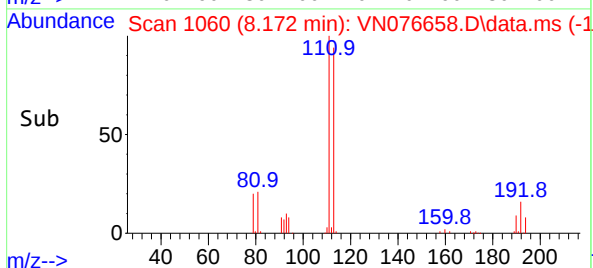
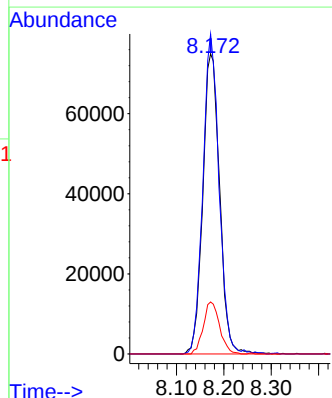
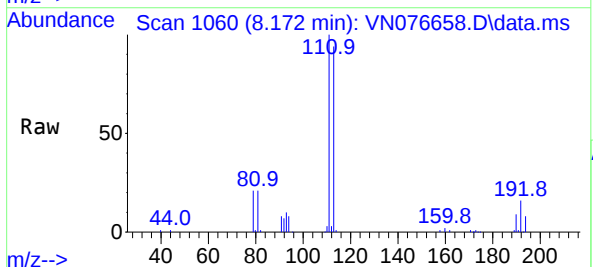
Tgt Ion:113 Resp: 184611

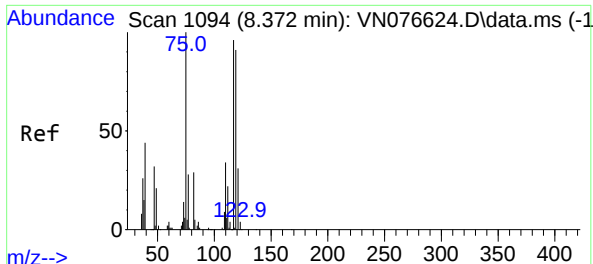
Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

192 16.8 15.6 23.4

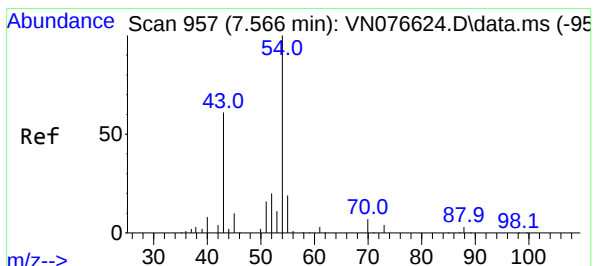
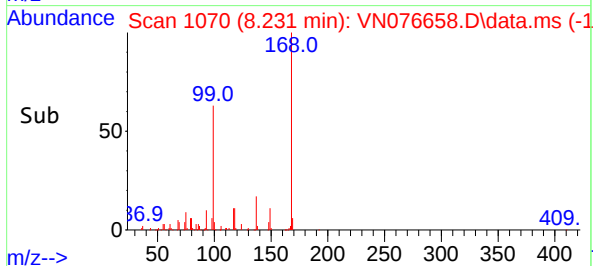
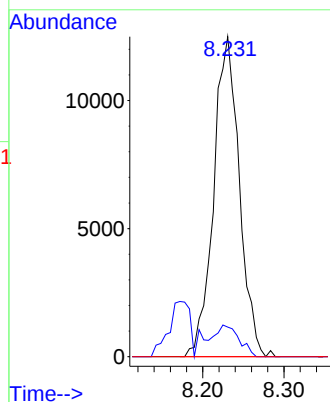
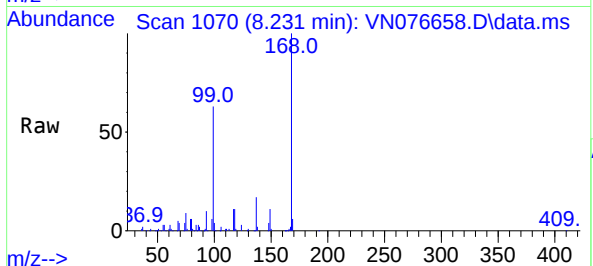




#36
1,1-Dichloropropene
Concen: 4.767 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

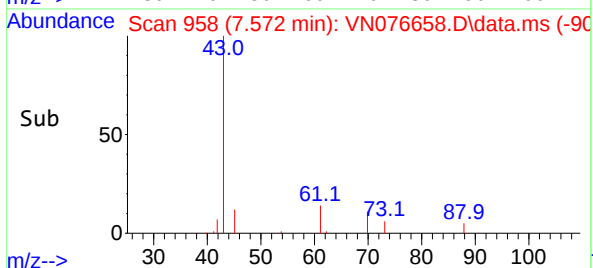
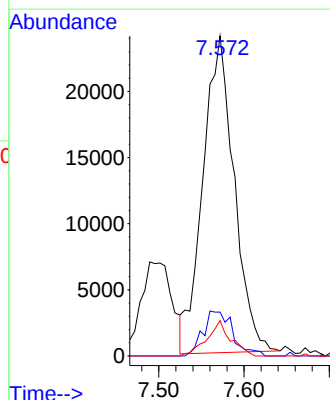
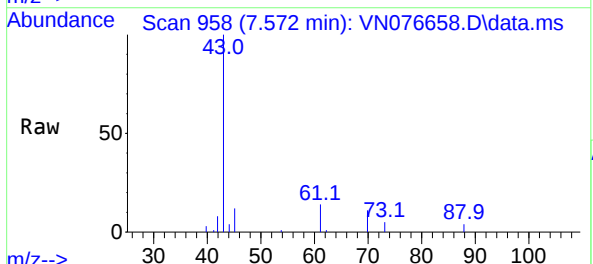
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

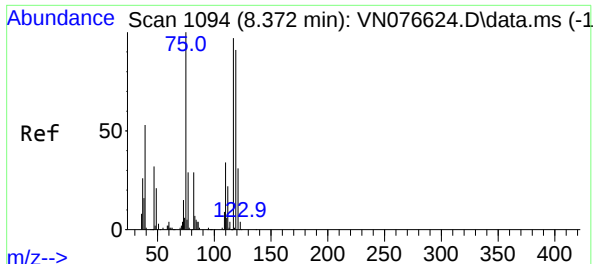
Tgt Ion: 75 Resp: 27480
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 10.053 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 43 Resp: 60966
Ion Ratio Lower Upper
43 100
61 13.5 9.9 14.9
70 8.5 7.8 11.6

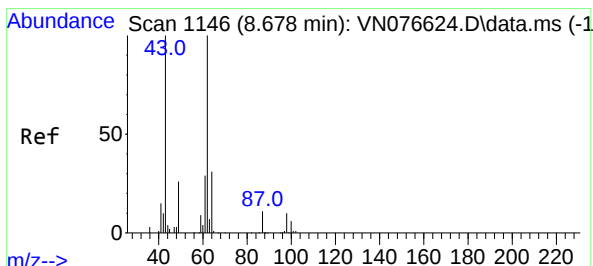
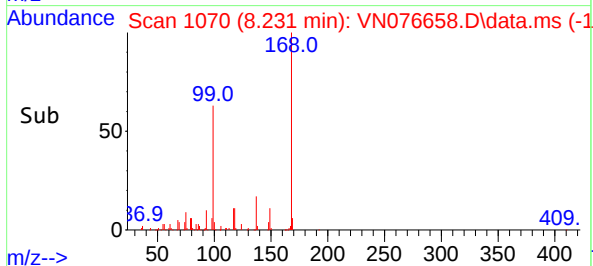
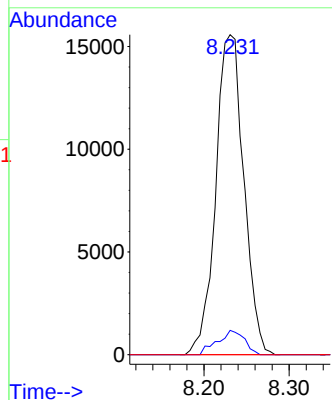
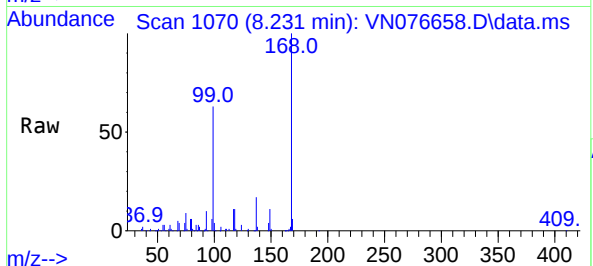




#38
Carbon Tetrachloride
Concen: 6.126 ug/l
RT: 8.231 min Scan# 1094
Delta R.T. -0.141 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

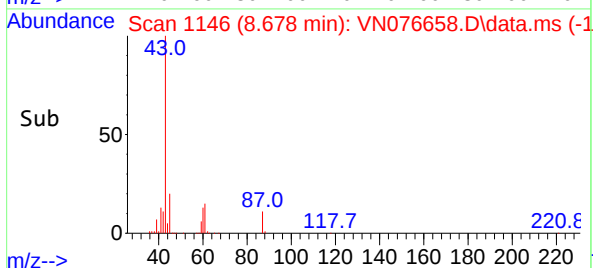
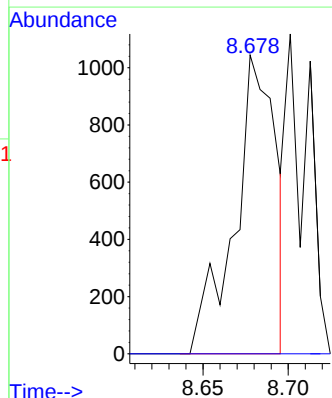
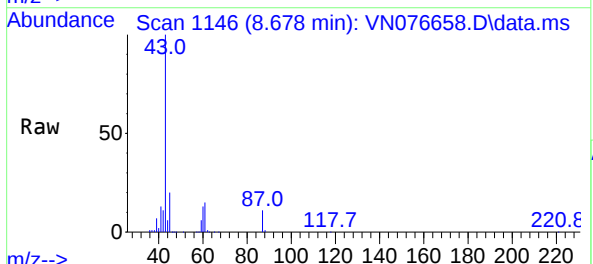
Instrument :
MSVOA_N
ClientSampleId :
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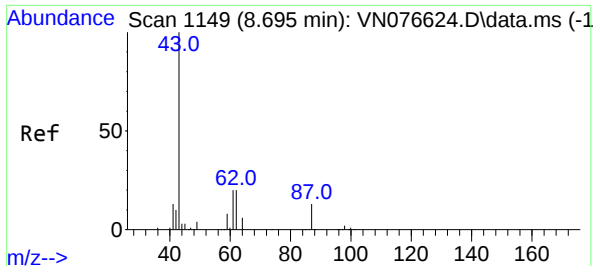
Tgt Ion:117 Resp: 35623
Ion Ratio Lower Upper
117 100
119 7.6 75.4 113.0#
121 0.0 26.0 39.0#



#42
1,2-Dichloroethane
Concen: 0.284 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 62 Resp: 1754
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2

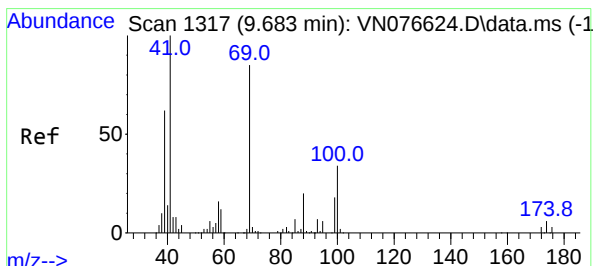
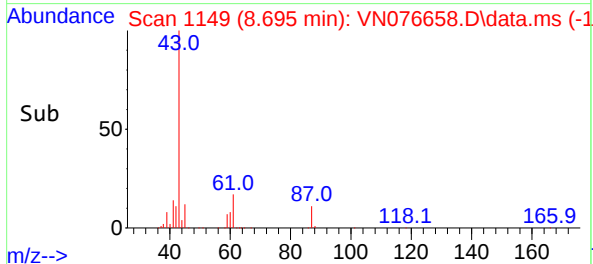
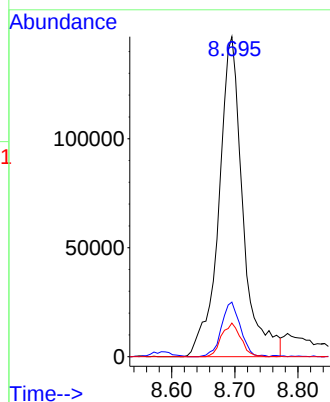
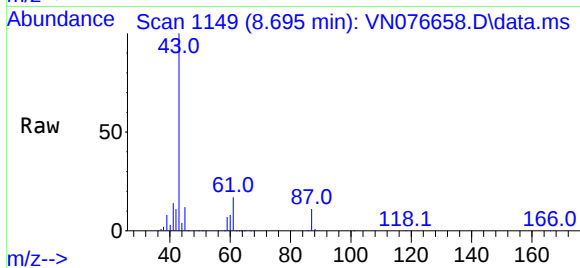




#43
Isopropyl Acetate
Concen: 39.346 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

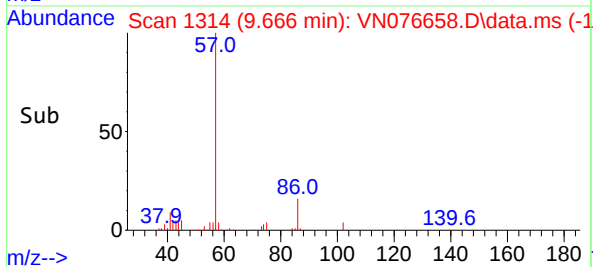
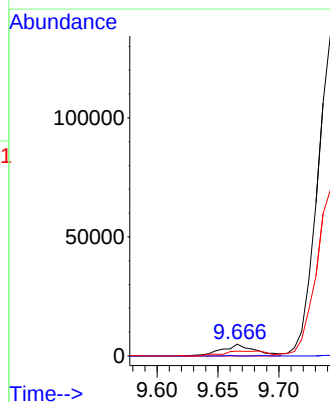
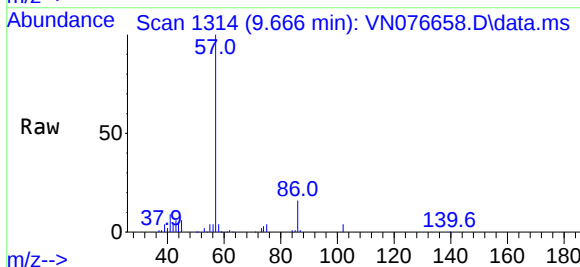
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

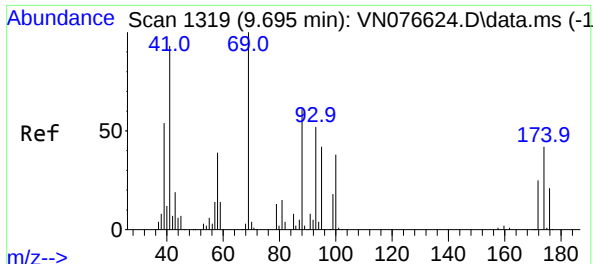
Tgt Ion: 43 Resp: 388287
Ion Ratio Lower Upper
43 100
61 13.5 20.0 30.0#
87 8.4 9.9 14.9#



#48
Methyl methacrylate
Concen: 1.991 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 41 Resp: 9322
Ion Ratio Lower Upper
41 100
69 0.7 65.4 98.0#
39 0.0 49.3 73.9#

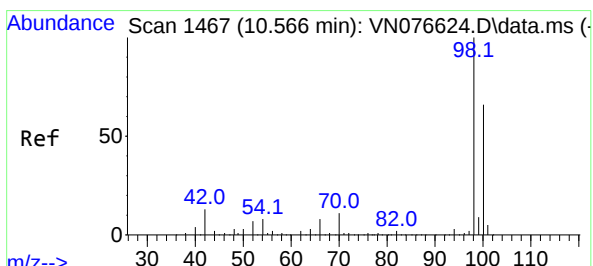
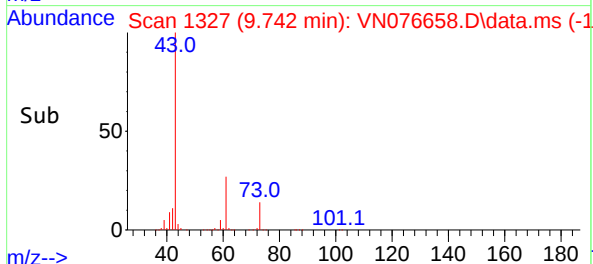
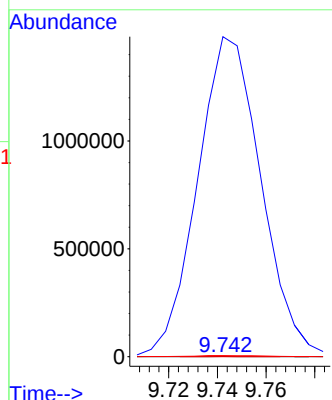
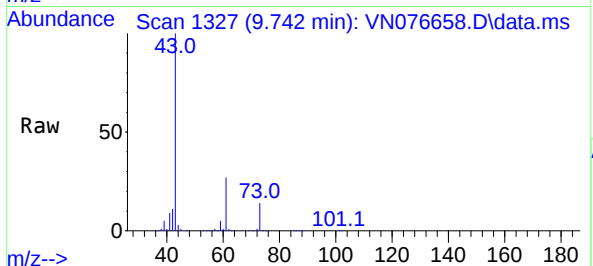




#49
1,4-Dioxane
Concen: 5.197 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

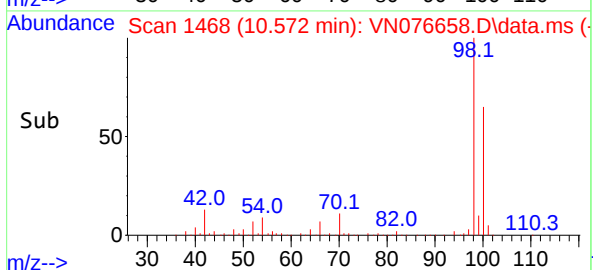
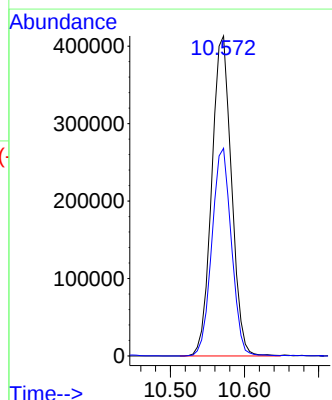
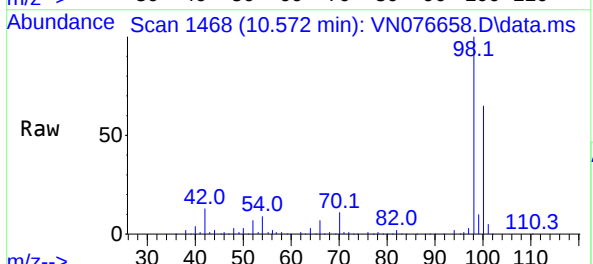
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

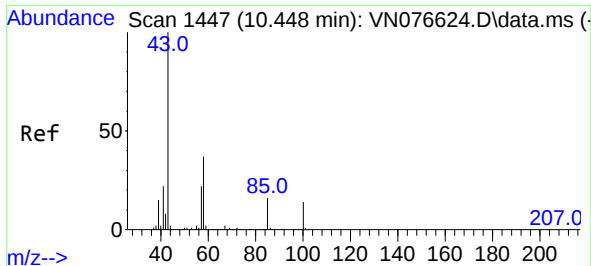
Tgt Ion: 88 Resp: 421
Ion Ratio Lower Upper
88 100
43 643617.6 22.6 33.8#
58 2746.1 57.6 86.4#



#50
Toluene-d8
Concen: 51.244 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 98 Resp: 763466
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3

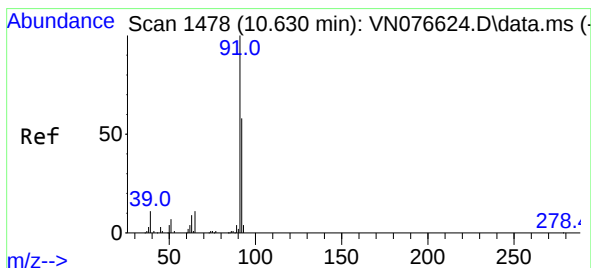
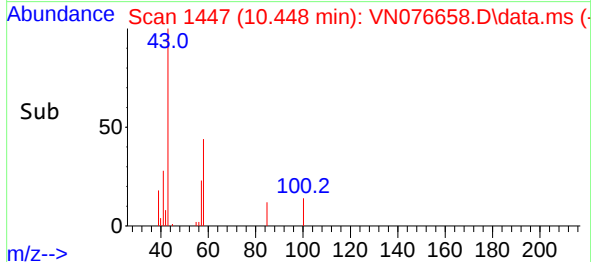
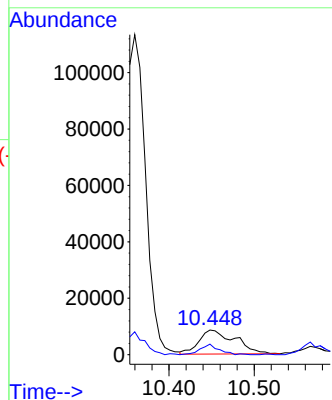
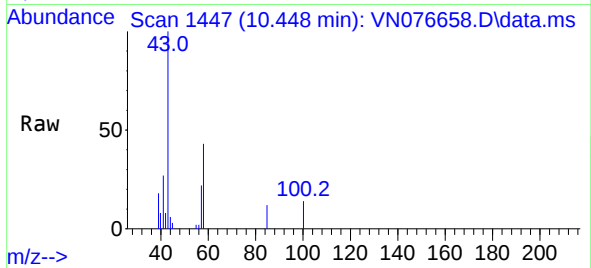




#51
4-Methyl-2-Pentanone
Concen: 4.014 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

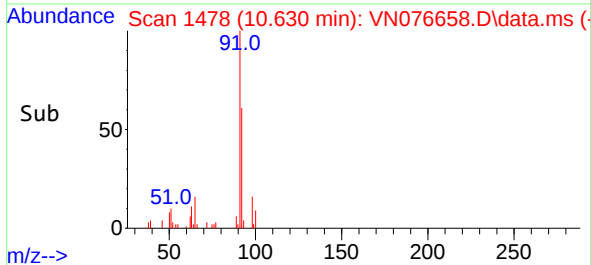
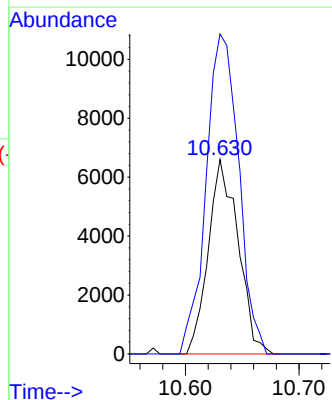
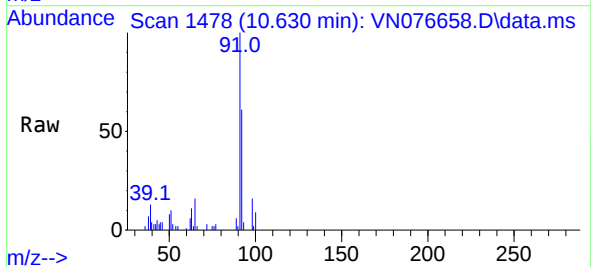
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

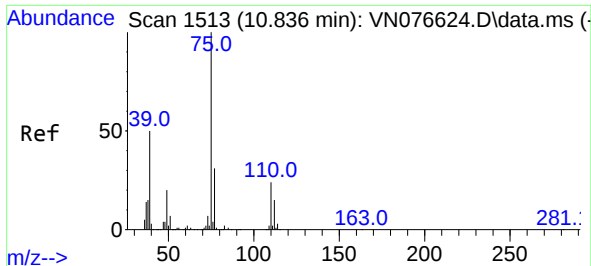
Tgt Ion: 43 Resp: 25203
Ion Ratio Lower Upper
43 100
58 22.6 29.5 44.3#



#52
Toluene
Concen: 1.125 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 92 Resp: 12025
Ion Ratio Lower Upper
92 100
91 180.2 138.0 207.0

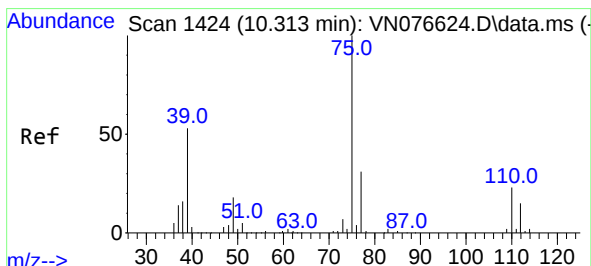
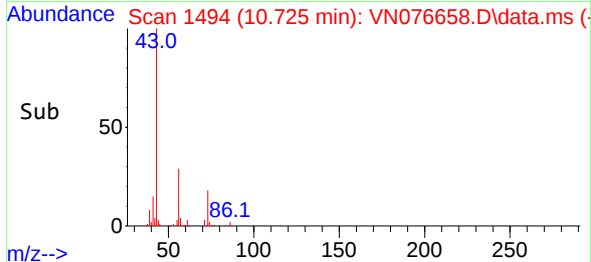
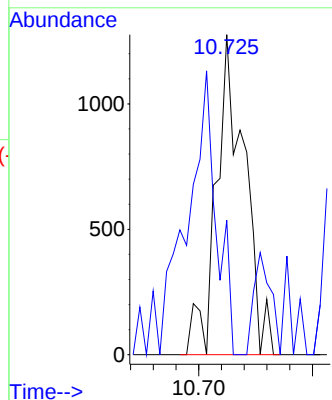
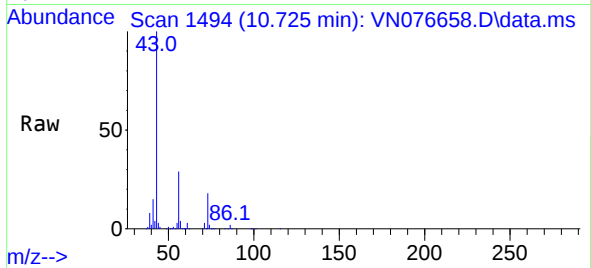




#53
t-1,3-Dichloropropene
Concen: 0.380 ug/l
RT: 10.725 min Scan# 1431
Delta R.T. -0.112 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

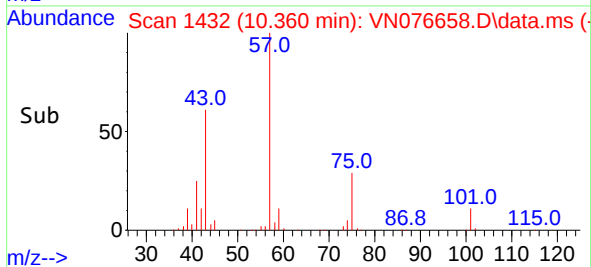
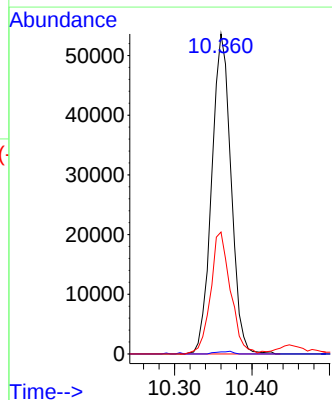
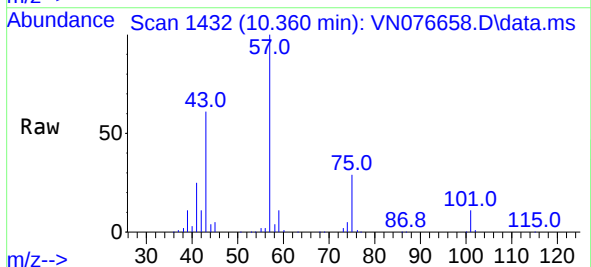
Instrument :
MSVOA_N
ClientSampleId :
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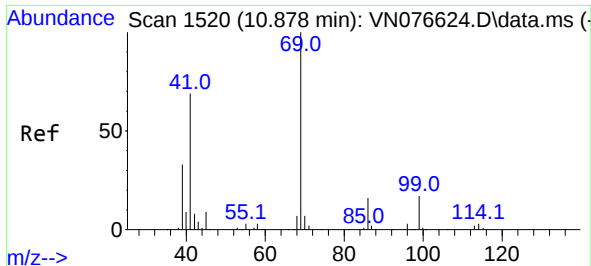
Tgt Ion: 75 Resp: 2201
Ion Ratio Lower Upper
75 100
77 42.0 24.6 37.0#



#54
cis-1,3-Dichloropropene
Concen: 13.911 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 75 Resp: 93019
Ion Ratio Lower Upper
75 100
77 0.7 25.1 37.7#
39 38.1 42.3 63.5#

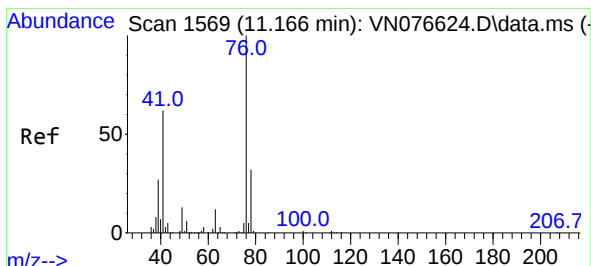
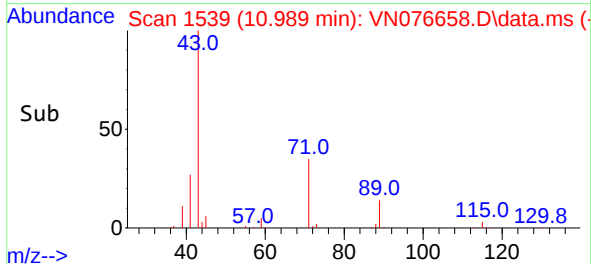
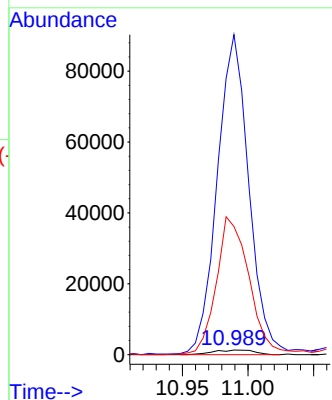
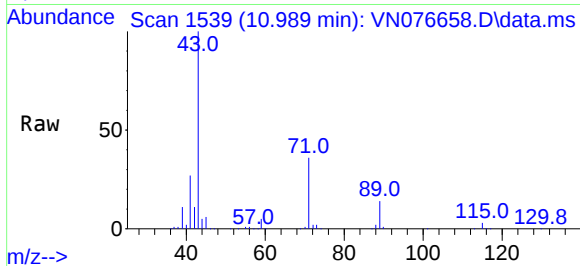




#56
Ethyl methacrylate
Concen: 0.468 ug/l
RT: 10.989 min Scan# 1539
Delta R.T. 0.112 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

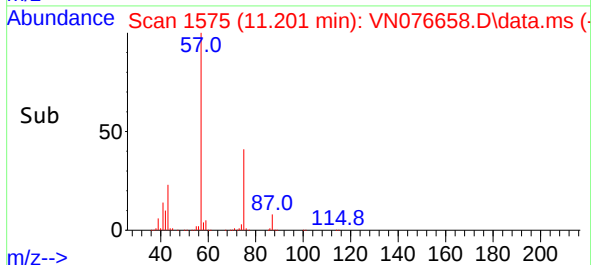
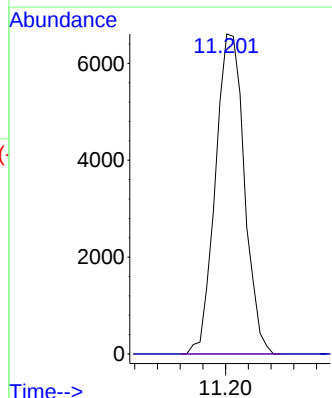
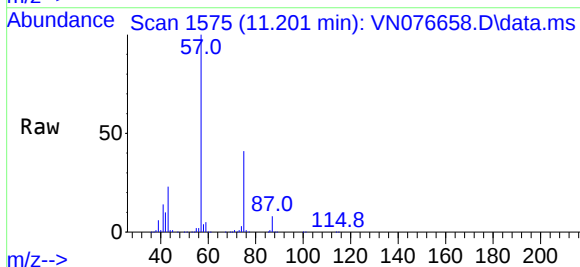
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

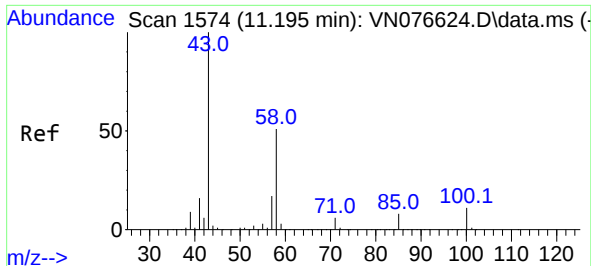
Tgt Ion: 69 Resp: 2864
Ion Ratio Lower Upper
69 100
41 5284.0 55.1 82.7#
39 2386.4 30.7 46.1#



#57
1,3-Dichloropropane
Concen: 1.567 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 76 Resp: 11699
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

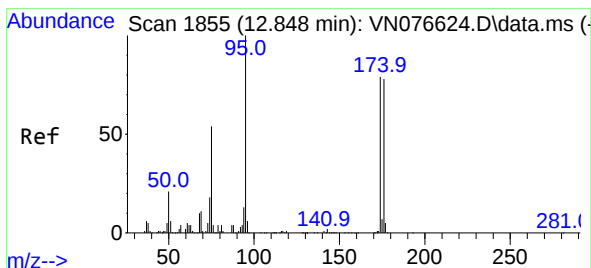
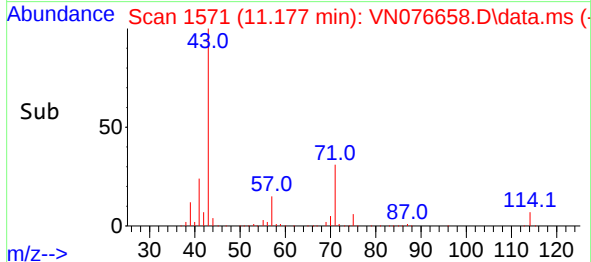
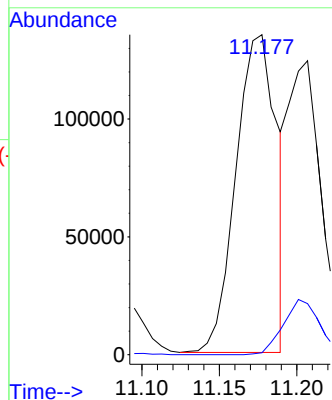
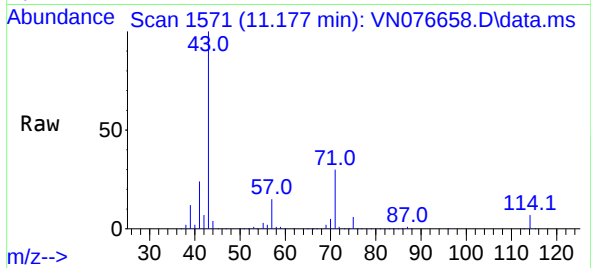




#59
2-Hexanone
Concen: 54.430 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

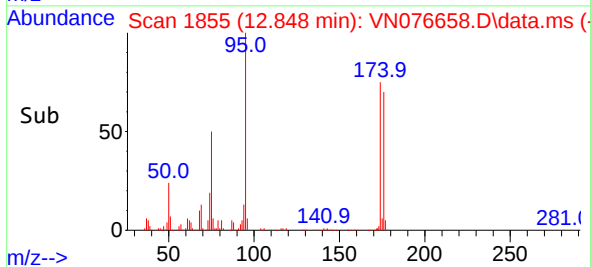
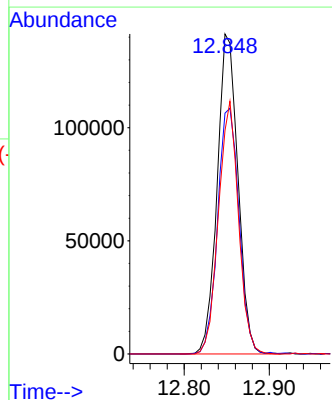
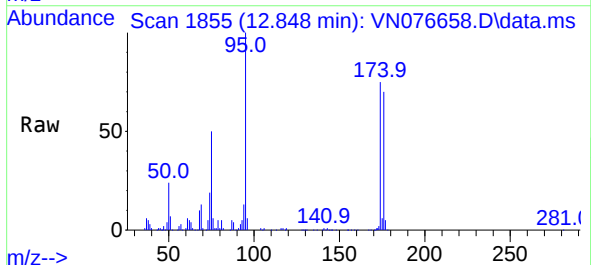
Instrument :
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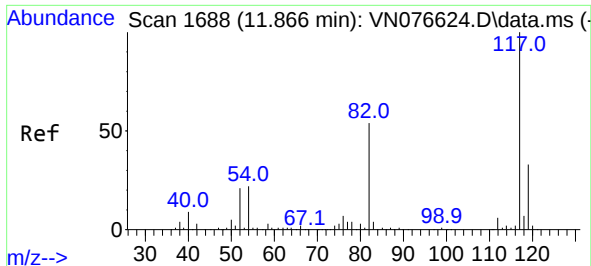
Tgt Ion: 43 Resp: 246418
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#



#62
4-Bromofluorobenzene
Concen: 48.534 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Tgt Ion: 95 Resp: 239490
Ion Ratio Lower Upper
95 100
174 79.3 0.0 169.2
176 75.9 0.0 163.4

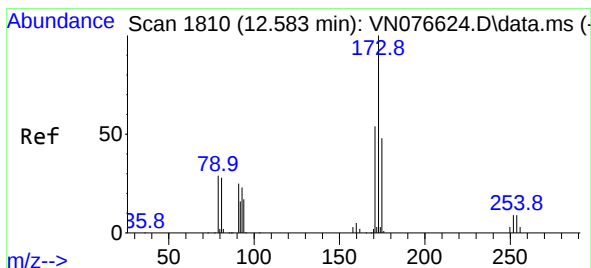
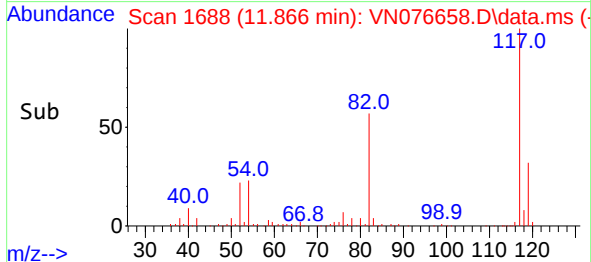
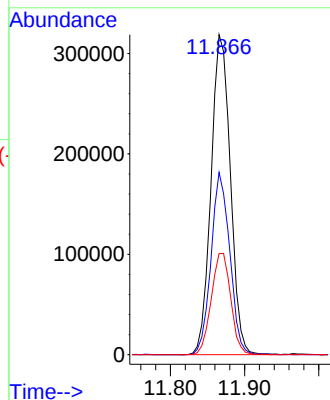
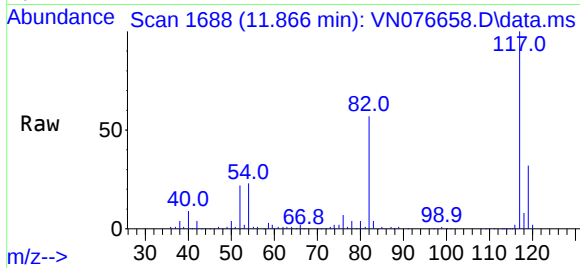




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

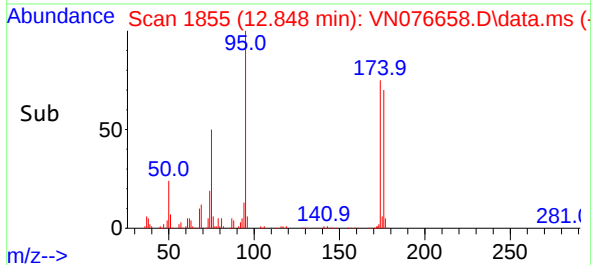
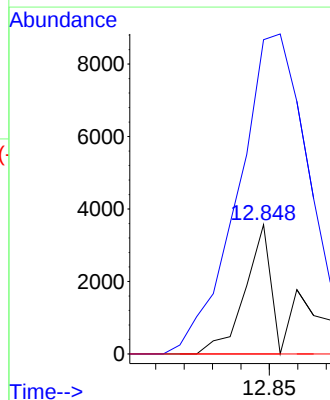
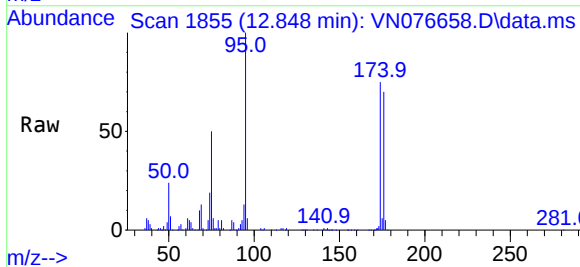
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

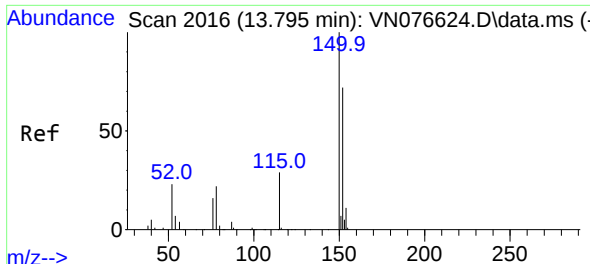
Tgt Ion:117 Resp: 578129
Ion Ratio Lower Upper
117 100
82 57.0 43.4 65.2
119 31.6 26.1 39.1



#71
Bromoform
Concen: 0.680 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

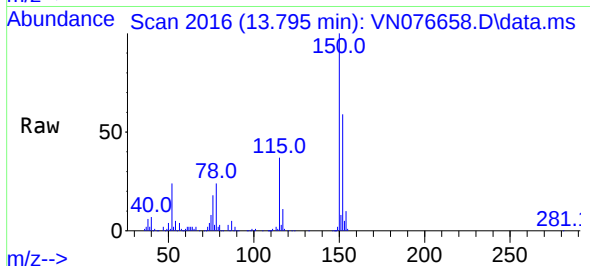
Tgt Ion:173 Resp: 2221
Ion Ratio Lower Upper
173 100
175 580.3 24.9 74.7#
254 0.0 0.1 0.1#



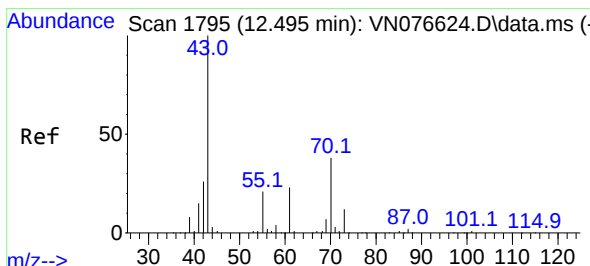
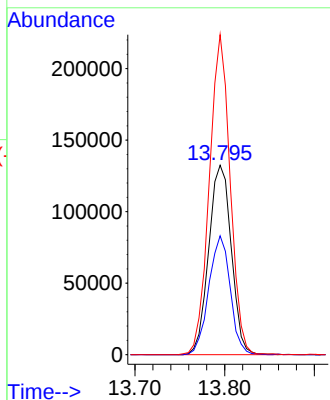
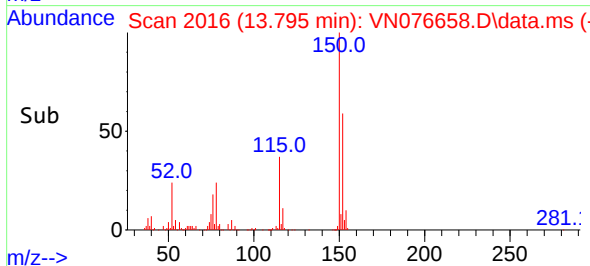


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

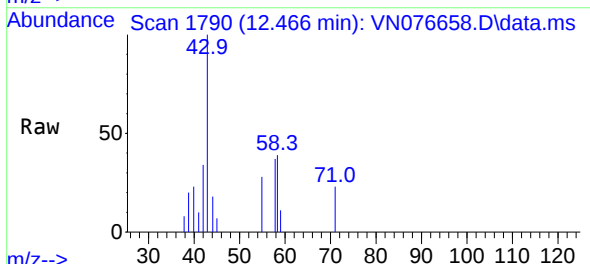
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB



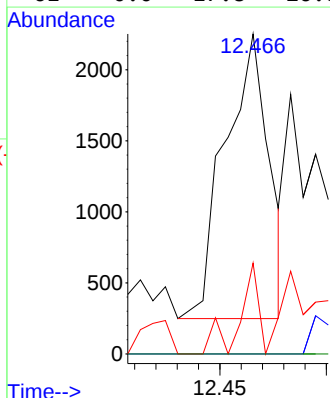
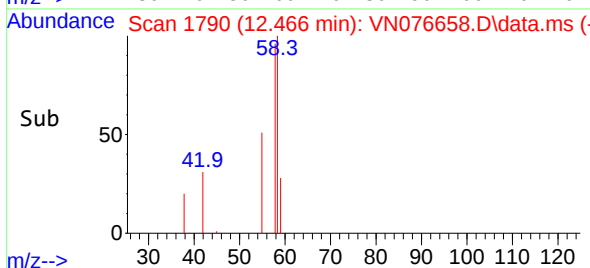
Tgt Ion:152 Resp: 231496
Ion Ratio Lower Upper
152 100
115 59.5 29.3 87.9
150 155.8 0.0 349.8

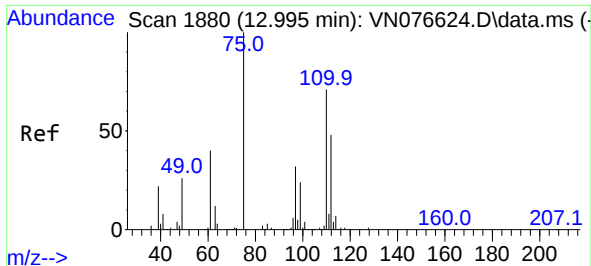


#74
N-ethyl acetate
Concen: 0.375 ug/l
RT: 12.466 min Scan# 1790
Delta R.T. -0.029 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41



Tgt Ion: 43 Resp: 2867
Ion Ratio Lower Upper
43 100
70 0.0 30.5 45.7#
55 13.7 17.8 26.8#
61 0.0 17.8 26.8#

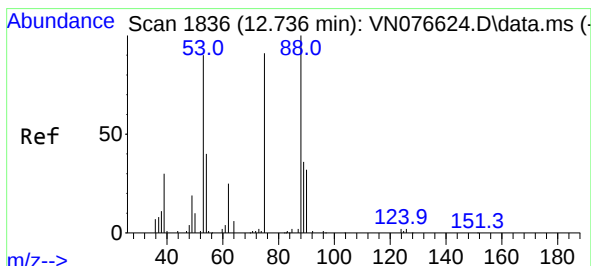
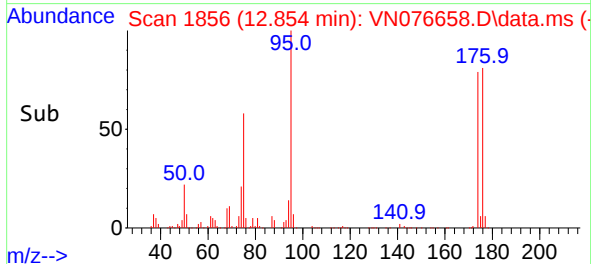
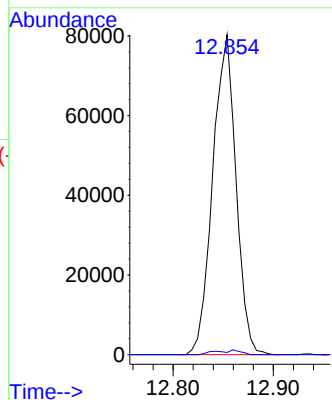
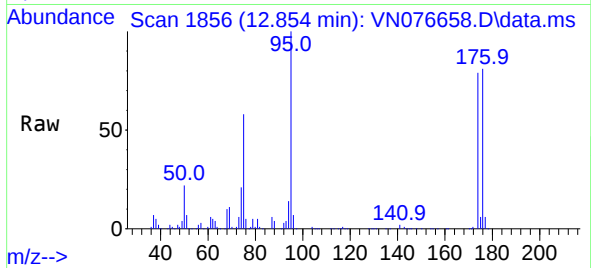




#76
1,2,3-Trichloropropane
Concen: 27.628 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

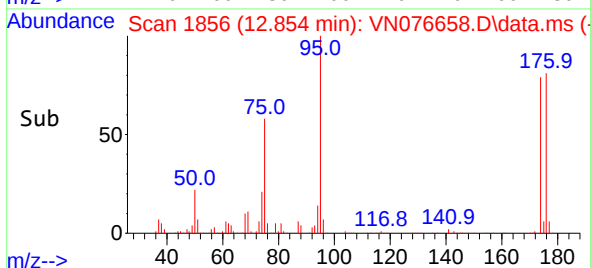
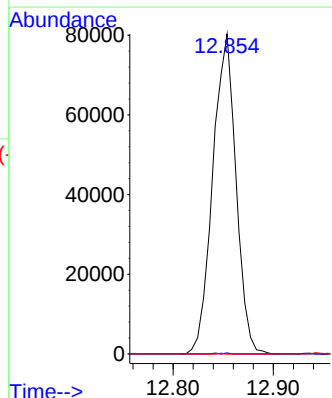
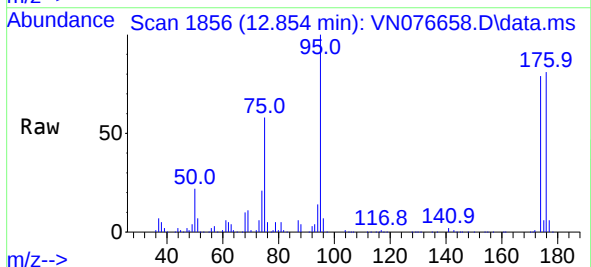
Instrument :
MSVOA_N
ClientSampleId :
PB150840TB

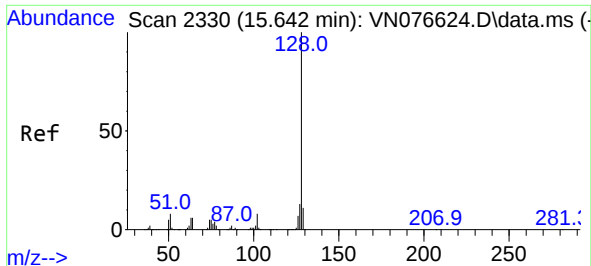
Tgt Ion: 75 Resp: 129306
Ion Ratio Lower Upper
75 100
77 0.7 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.469 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

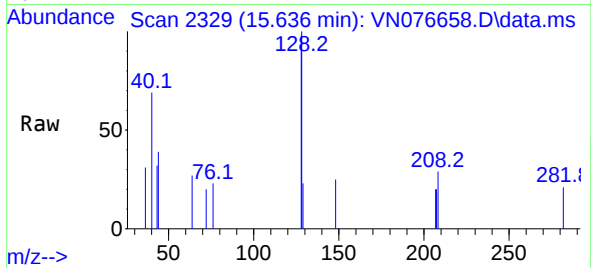
Tgt Ion: 75 Resp: 129306
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.1 37.5 56.3#





#95
Naphthalene
Concen: 0.273 ug/l
RT: 15.636 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076658.D
Acq: 14 Feb 2023 13:41

Instrument :
MSVOA_N
ClientSampleId :
PB150840TB



Tgt Ion:128 Resp: 3388
Ion Ratio Lower Upper
128 100
127 7.3 10.6 16.0#
129 4.8 8.6 13.0#

