

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070831.D
 Acq On : 28 Jan 2022 16:10
 Operator : JC/MD
 Sample : PB142316ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#08

Quant Time: Jan 28 23:17:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

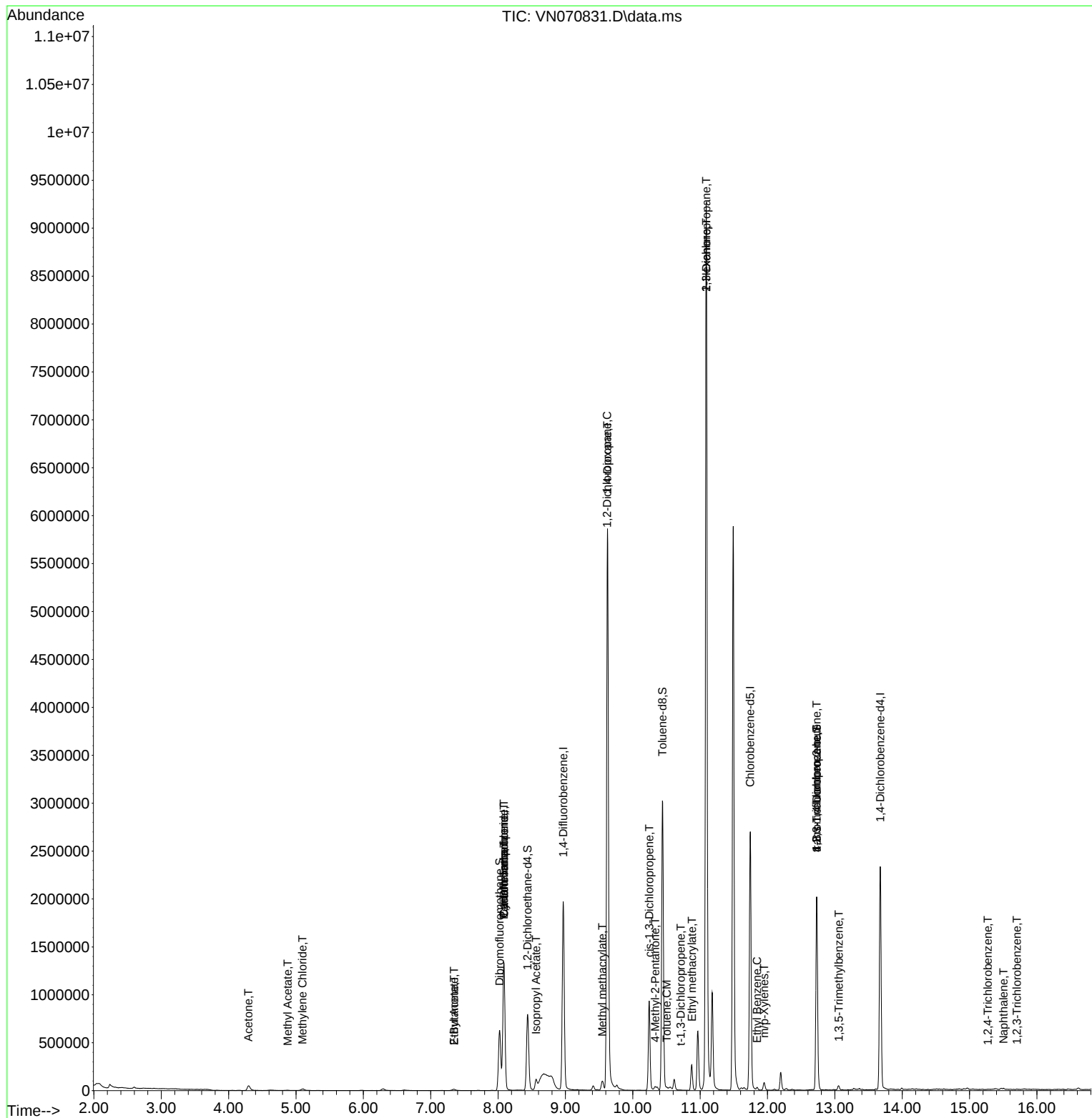
Internal Standards						
1) Pentafluorobenzene	8.088	168	1016587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1693621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1568953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	646759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	691235	47.445	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.880%		
35) Dibromofluoromethane	8.021	113	478549	45.552	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.100%		
50) Toluene-d8	10.440	98	2114778	47.784	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.560%		
62) 4-Bromofluorobenzene	12.731	95	750805	47.607	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.220%		
Target Compounds						Qvalue
16) Acetone	4.293	43	100220	9.911	ug/l	96
18) Methyl Acetate	4.875	43	5942	0.299	ug/l #	59
20) Methylene Chloride	5.095	84	11201	0.841	ug/l	87
25) 2-Butanone	7.348	43	23536	1.850	ug/l	94
30) Chloroform	8.088	83	64	Below Cal	#	18
31) Cyclohexane	8.086	56	23424	0.913	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	83088	4.698	ug/l #	48
37) Ethyl Acetate	7.348	43	23536	1.002	ug/l #	68
38) Carbon Tetrachloride	8.086	117	102138	6.492	ug/l #	16
43) Isopropyl Acetate	8.566	43	139369	3.886	ug/l #	83
45) 1,2-Dichloropropane	9.620	63	7446	0.499	ug/l #	44
48) Methyl methacrylate	9.547	41	28665	1.678	ug/l #	8
49) 1,4-Dioxane	9.622	88	722	2.813	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	26435	1.155	ug/l	100
52) Toluene	10.502	92	6587	0.201	ug/l	94
53) t-1,3-Dichloropropene	10.711	75	185	2.412	ug/l #	70
54) cis-1,3-Dichloropropene	10.245	75	166669	7.842	ug/l #	58
56) Ethyl methacrylate	10.877	69	1596	2.364	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	96514	4.234	ug/l #	43
59) 2-Hexanone	11.089	43	1615325	97.166	ug/l #	49
67) Ethyl Benzene	11.843	91	14819	0.235	ug/l	95
68) m/p-Xylenes	11.950	106	23658	1.032	ug/l	88
76) 1,2,3-Trichloropropane	12.731	75	394066	22.973	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.061	105	17122	0.346	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.731	75	394066	68.439	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	755	3.484	ug/l	82
95) Naphthalene	15.504	128	11027	5.245	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.702	180	774	3.279	ug/l	75

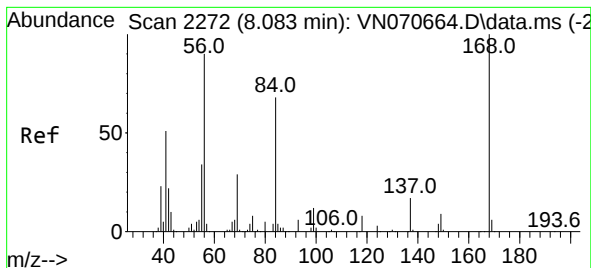
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN070831.D

Acq: 28 Jan 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

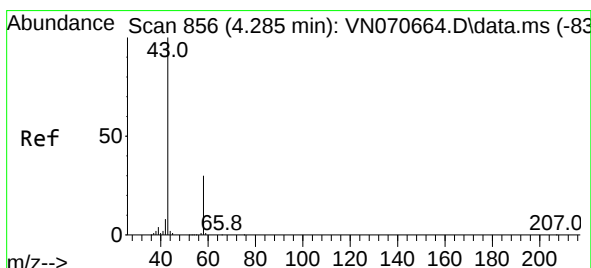
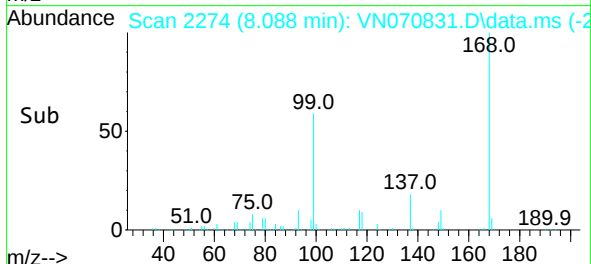
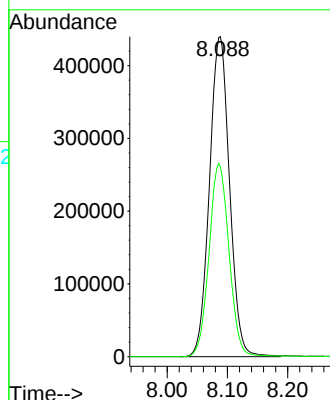
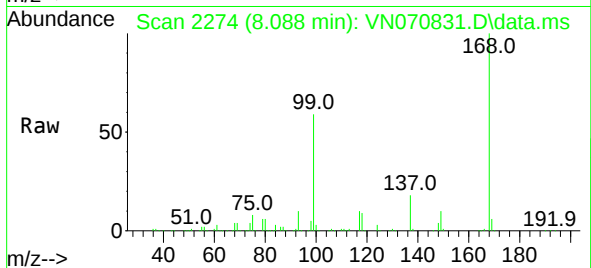
PB142316ZHE#08

Tgt Ion:168 Resp: 1016587

Ion Ratio Lower Upper

168 100

99 59.4 41.3 61.9



#16

Acetone

Concen: 9.911 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN070831.D

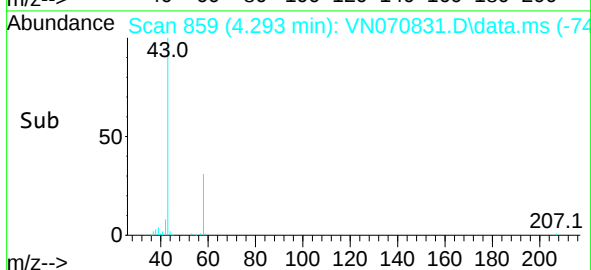
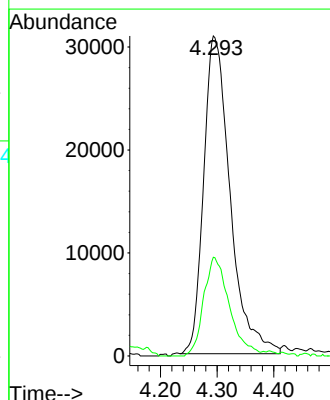
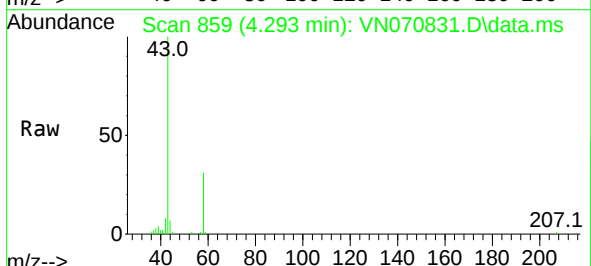
Acq: 28 Jan 2022 16:10

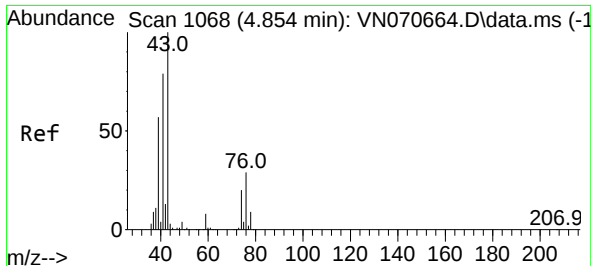
Tgt Ion: 43 Resp: 100220

Ion Ratio Lower Upper

43 100

58 31.1 23.1 34.7

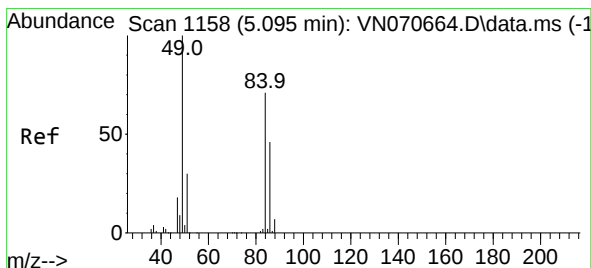
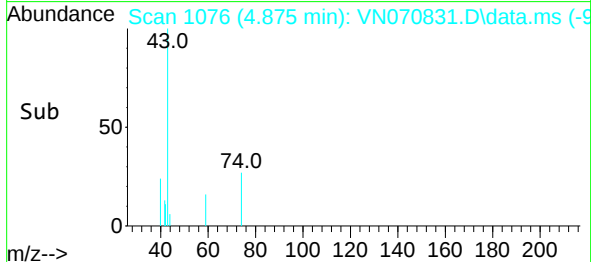
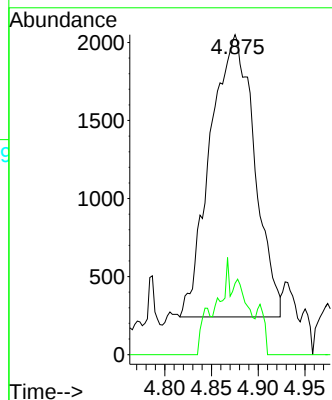
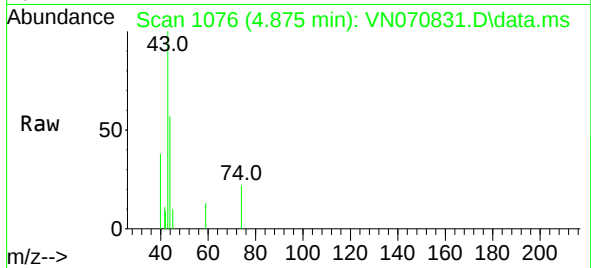




#18
Methyl Acetate
Concen: 0.299 ug/l
RT: 4.875 min Scan# 1068
Delta R.T. 0.021 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

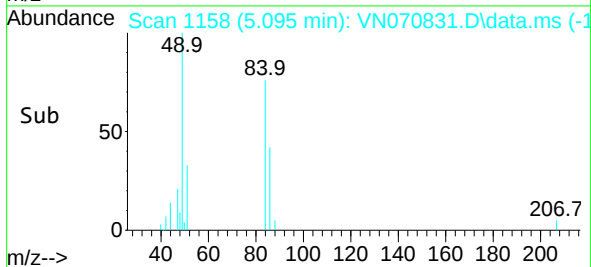
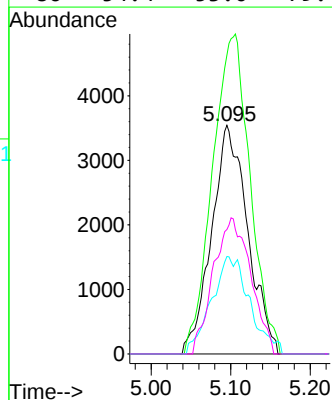
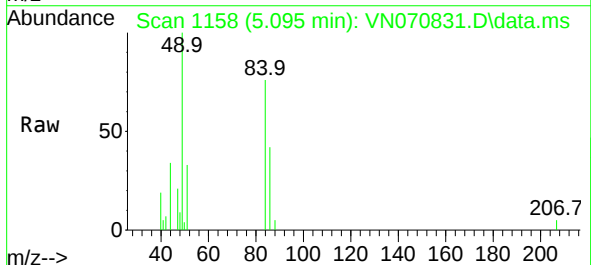
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

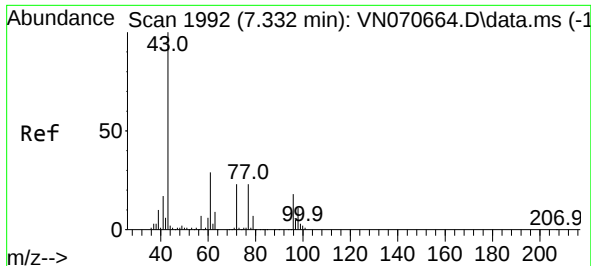
Tgt Ion: 43 Resp: 5942
Ion Ratio Lower Upper
43 100
74 3.8 19.4 29.2#



#20
Methylene Chloride
Concen: 0.841 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 84 Resp: 11201
Ion Ratio Lower Upper
84 100
49 130.8 93.5 140.3
51 42.6 29.4 44.2
86 54.4 53.0 79.4

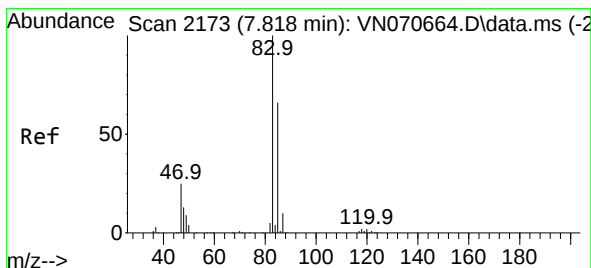
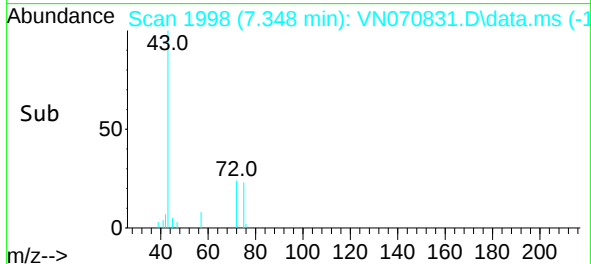
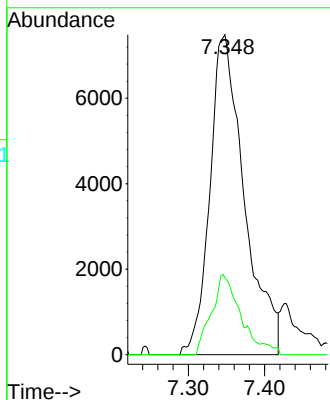
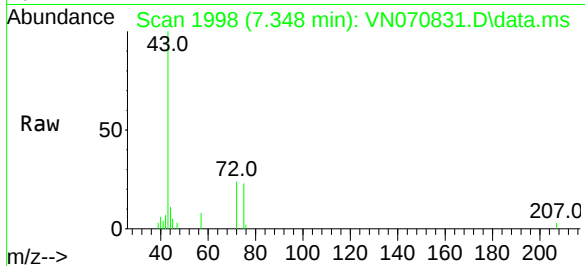




#25
2-Butanone
Concen: 1.850 ug/l
RT: 7.348 min Scan# 1992
Delta R.T. 0.016 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

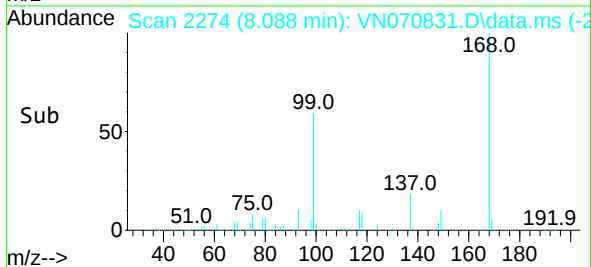
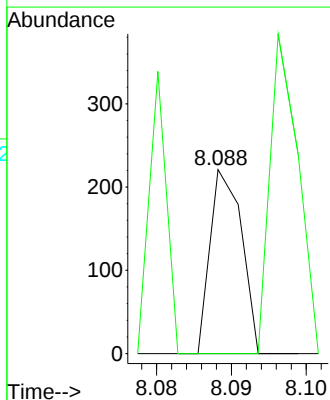
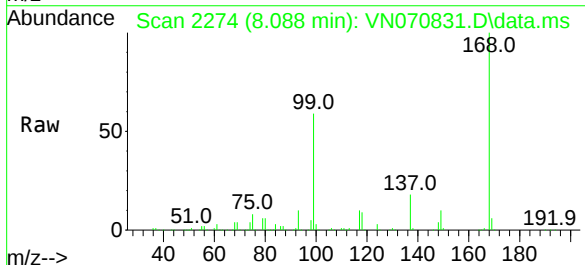
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MSVOA_N
ClientSampleId :
PB142316ZHE#08

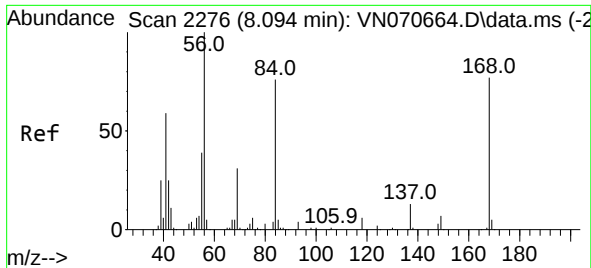
Tgt Ion: 43 Resp: 23536
Ion Ratio Lower Upper
43 100
72 24.0 21.7 32.5



#30
Chloroform
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. 0.270 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#

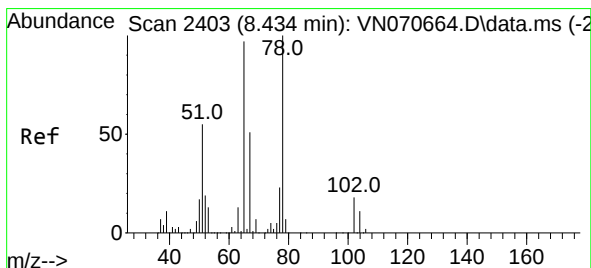
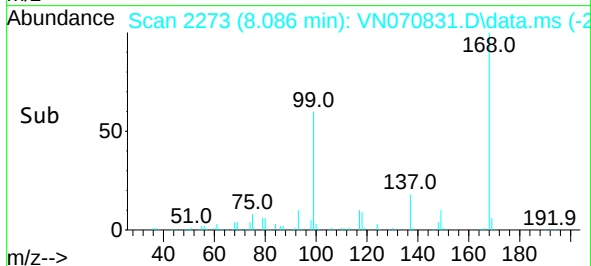
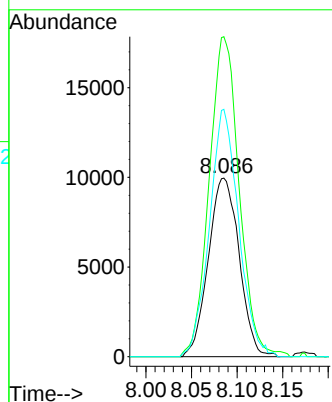
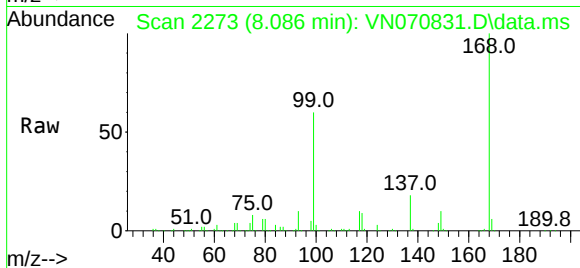




#31
Cyclohexane
Concen: 0.913 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

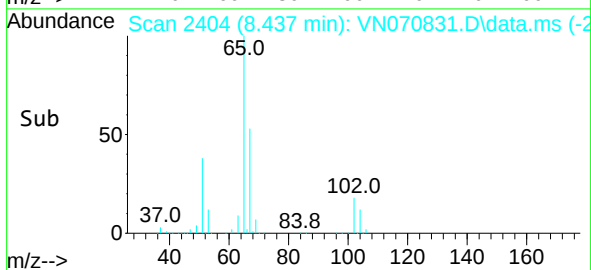
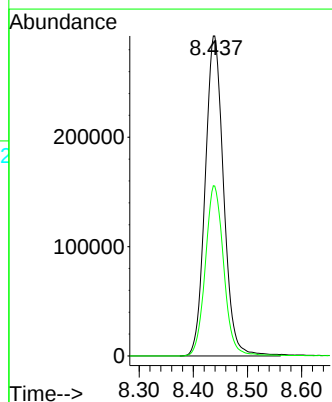
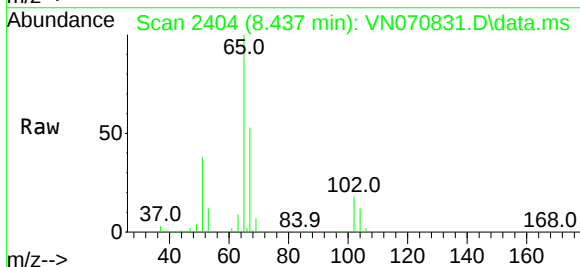
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

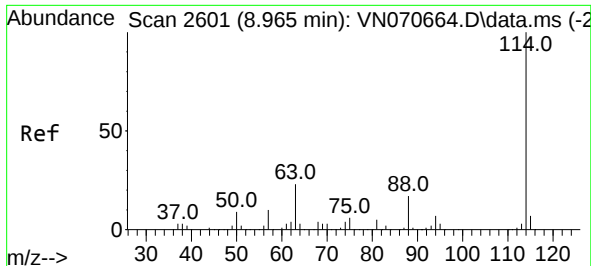
Tgt Ion: 56 Resp: 23424
Ion Ratio Lower Upper
56 100
69 179.3 27.1 40.7#
84 138.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.445 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 65 Resp: 691235
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070831.D

Acq: 28 Jan 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#08

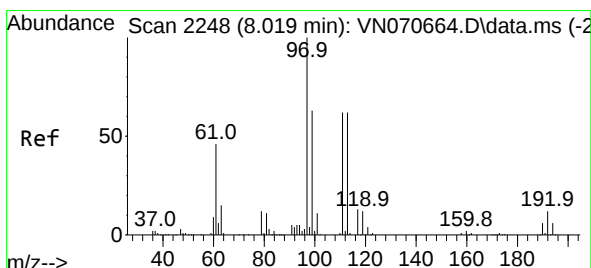
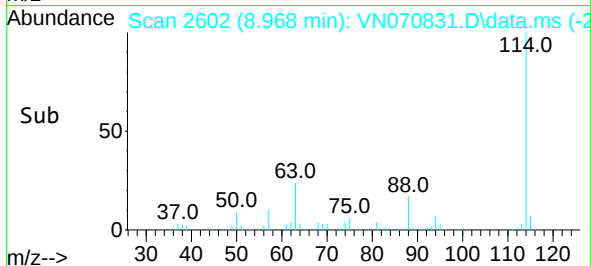
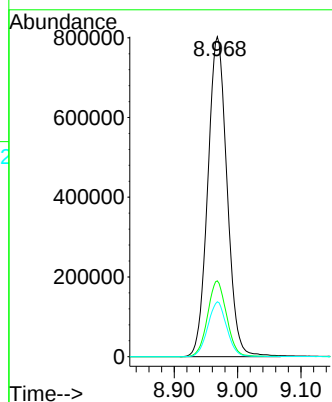
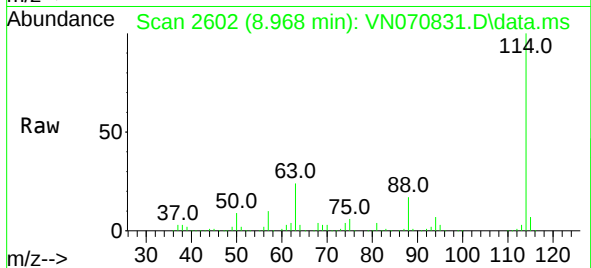
Tgt Ion:114 Resp: 1693621

Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 17.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.552 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.002 min

Lab File: VN070831.D

Acq: 28 Jan 2022 16:10

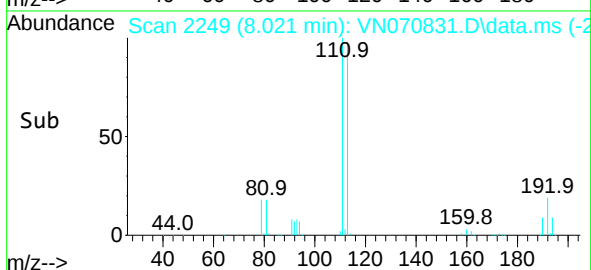
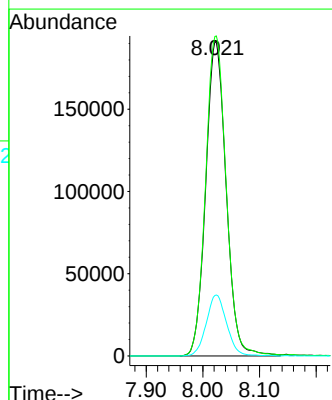
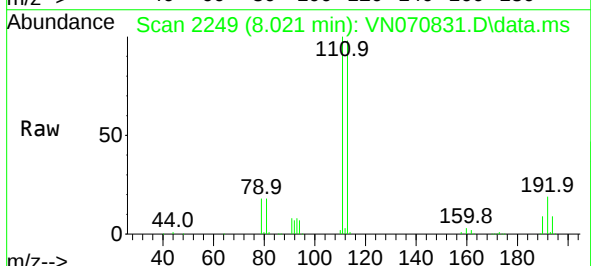
Tgt Ion:113 Resp: 478549

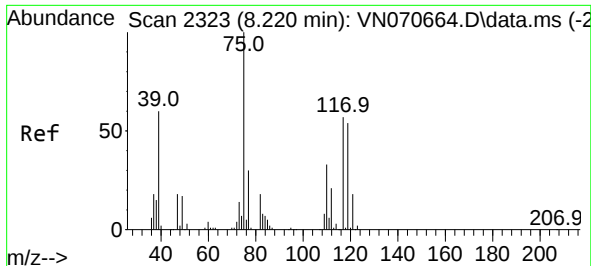
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 19.3 16.9 25.3

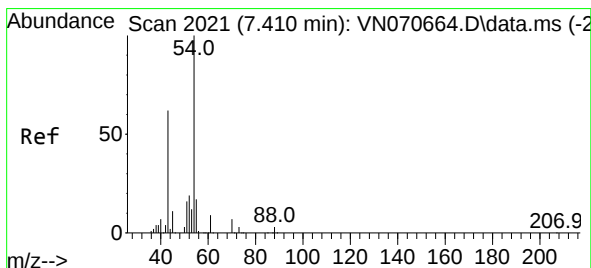
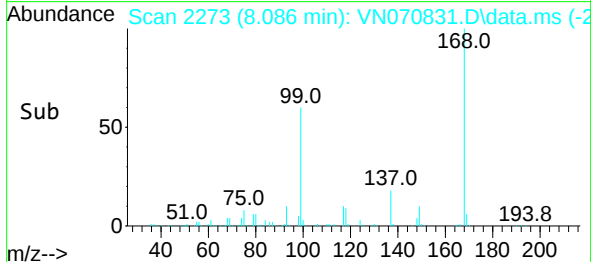
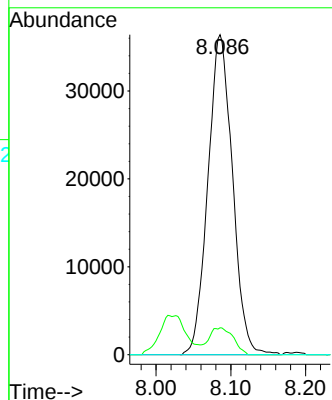
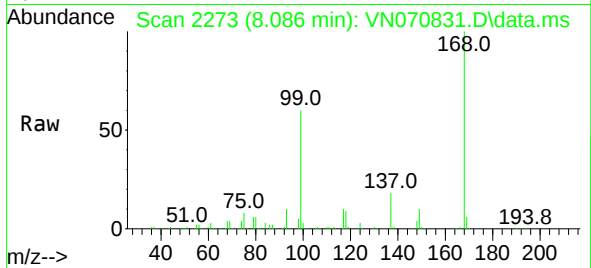




#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

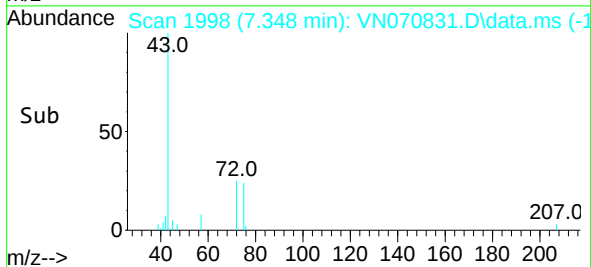
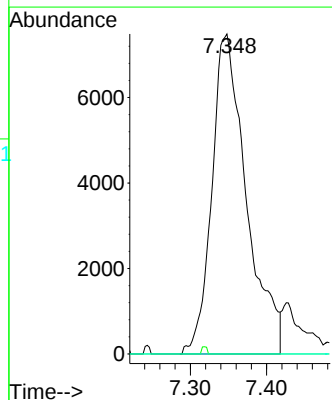
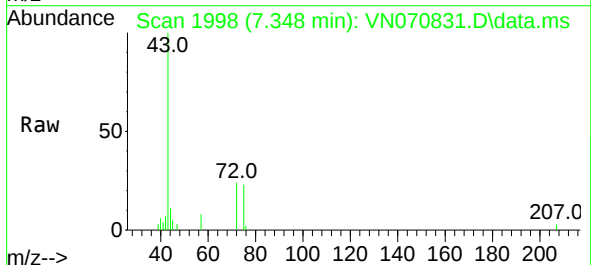
Instrument :
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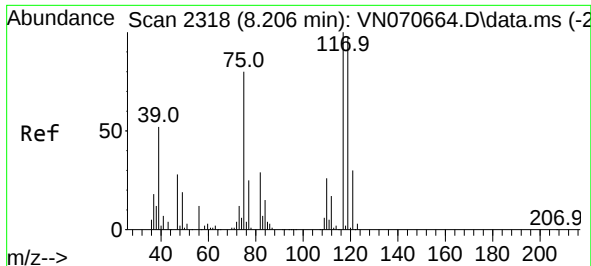
Tgt Ion: 75 Resp: 83088
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.002 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.062 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 43 Resp: 23536
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

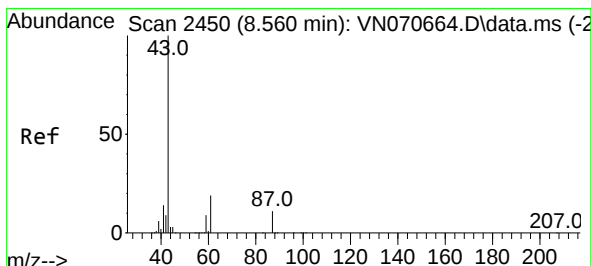
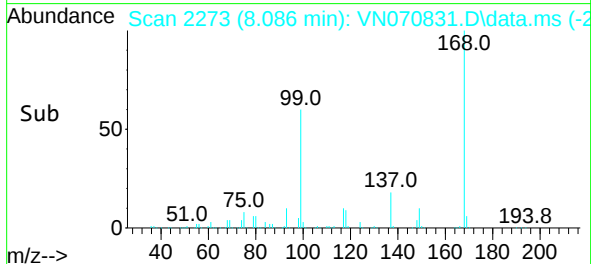
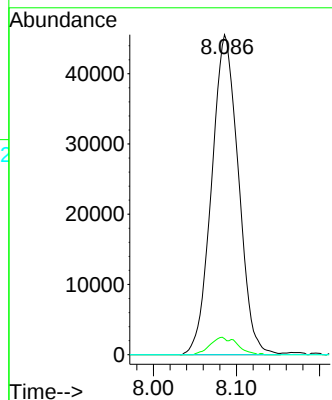
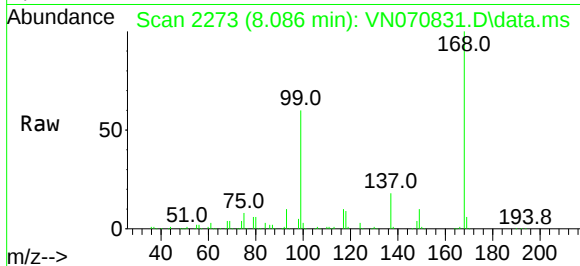




#38
Carbon Tetrachloride
Concen: 6.492 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

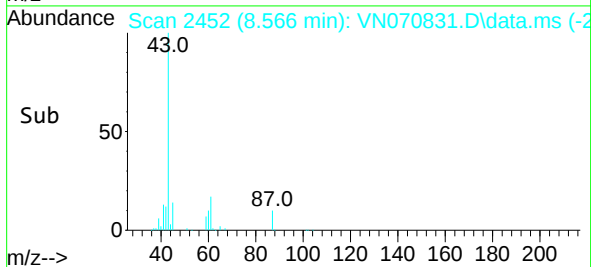
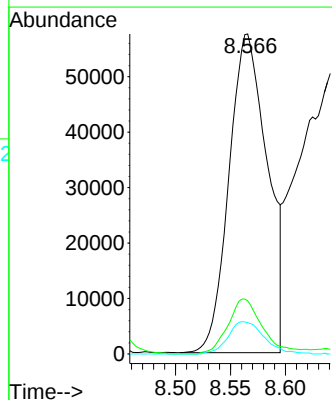
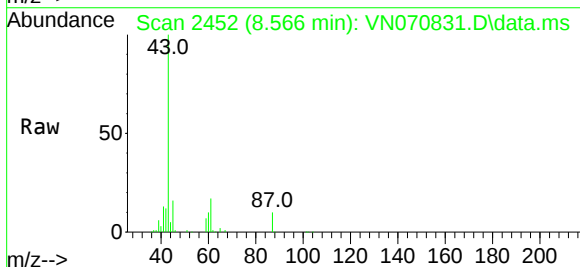
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

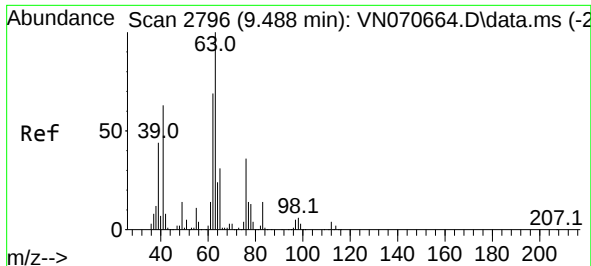
Tgt Ion:117 Resp: 102138
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.886 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 43 Resp: 139369
Ion Ratio Lower Upper
43 100
61 15.6 20.4 30.6#
87 9.6 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.499 ug/l

RT: 9.620 min Scan# 21

Delta R.T. 0.132 min

Lab File: VN070831.D

Acq: 28 Jan 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

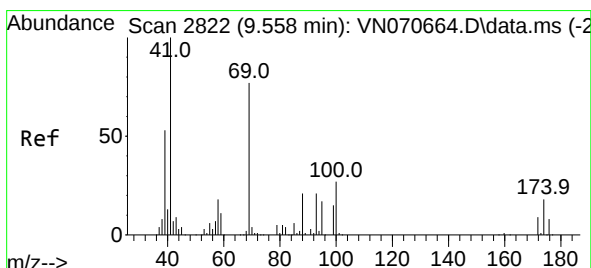
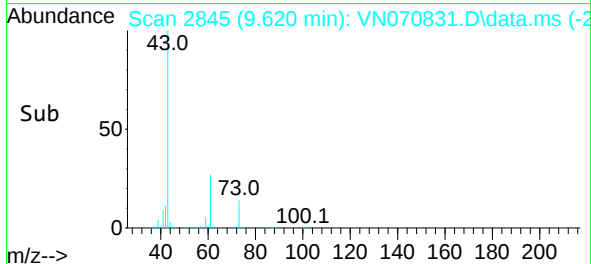
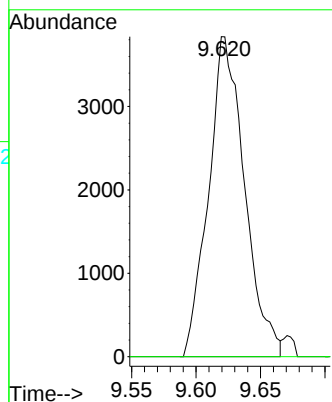
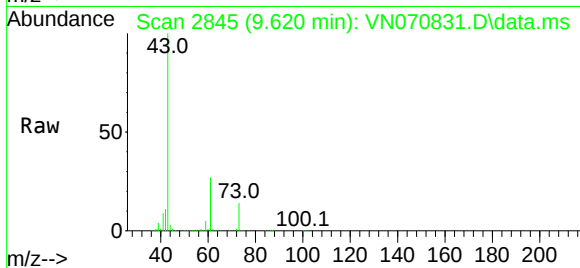
PB142316ZHE#08

Tgt Ion: 63 Resp: 7446

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.678 ug/l

RT: 9.547 min Scan# 2818

Delta R.T. -0.011 min

Lab File: VN070831.D

Acq: 28 Jan 2022 16:10

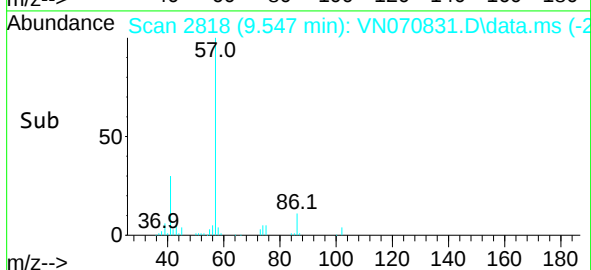
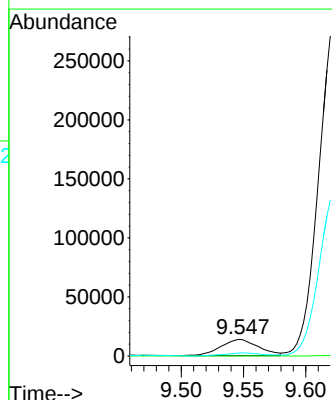
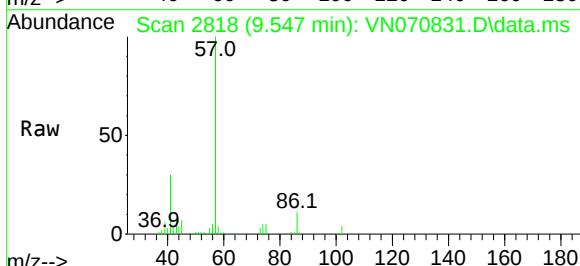
Tgt Ion: 41 Resp: 28665

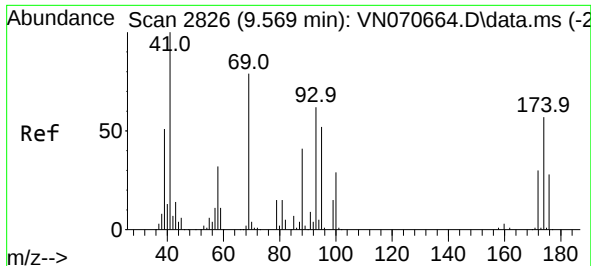
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#

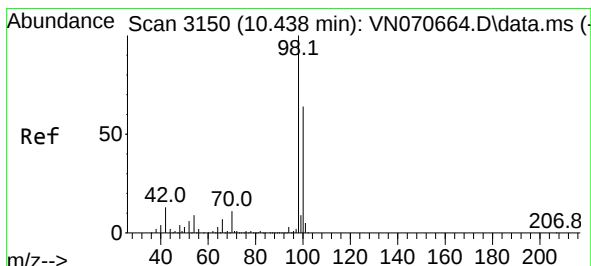
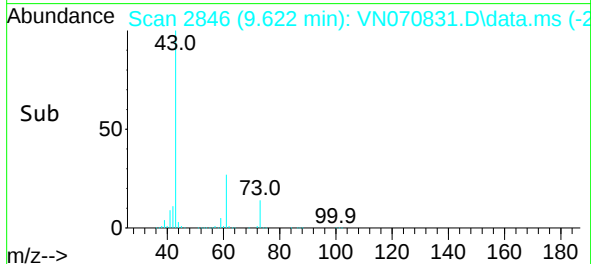
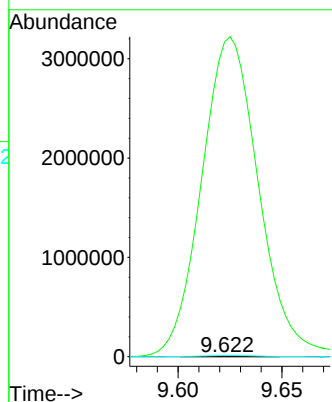
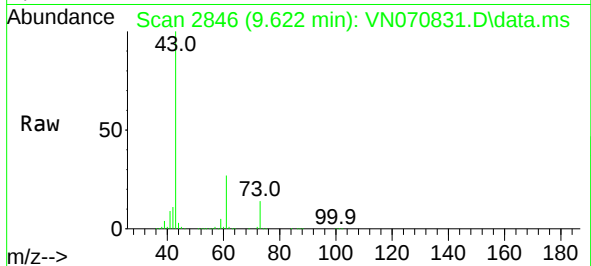




#49
1,4-Dioxane
Concen: 2.813 ug/l
RT: 9.622 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

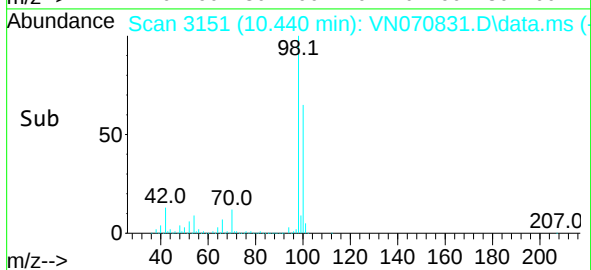
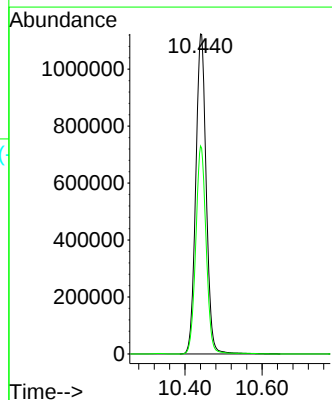
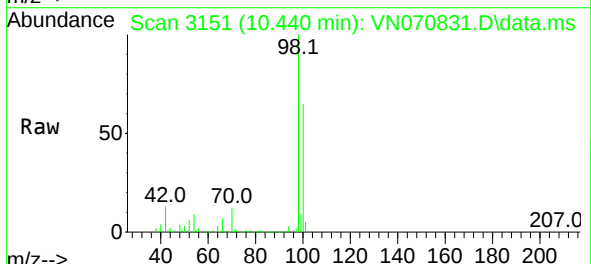
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

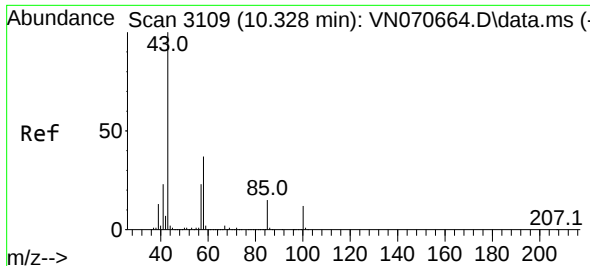
Tgt Ion: 88 Resp: 722
Ion Ratio Lower Upper
88 100
43 871340.4 23.4 35.2#
58 3038.5 50.6 75.8#



#50
Toluene-d8
Concen: 47.784 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 98 Resp: 2114778
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 1.155 ug/l

RT: 10.333 min Scan# 3111

Delta R.T. 0.005 min

Lab File: VN070831.D

Acq: 28 Jan 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

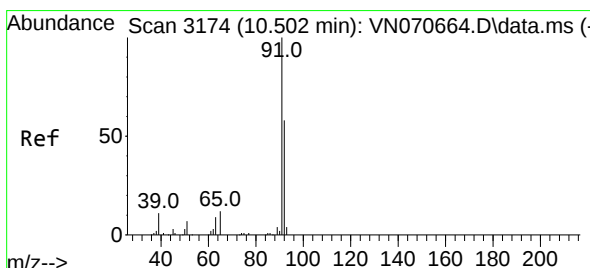
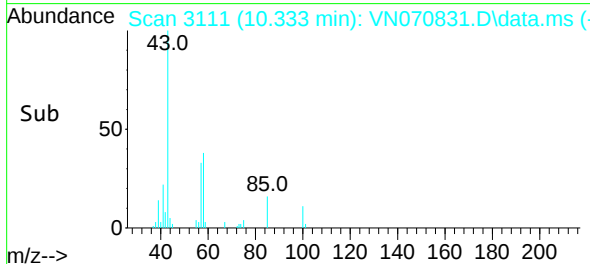
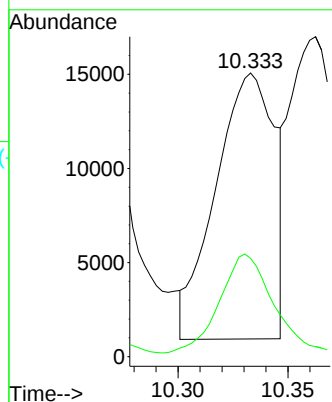
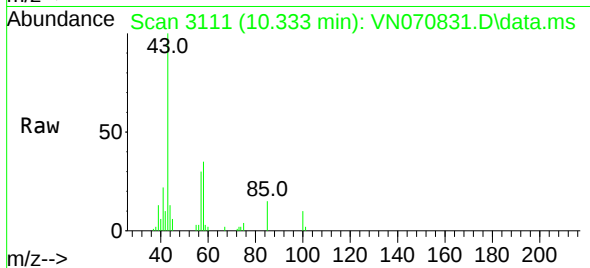
PB142316ZHE#08

Tgt Ion: 43 Resp: 26435

Ion Ratio Lower Upper

43 100

58 37.8 30.4 45.6



#52

Toluene

Concen: 0.201 ug/l

RT: 10.502 min Scan# 3174

Delta R.T. -0.000 min

Lab File: VN070831.D

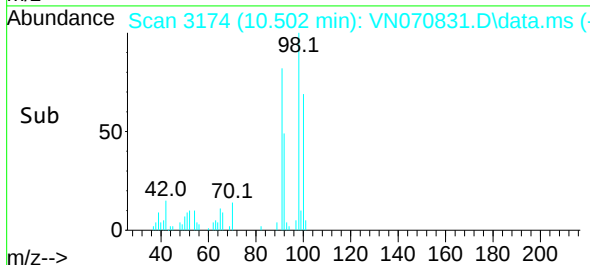
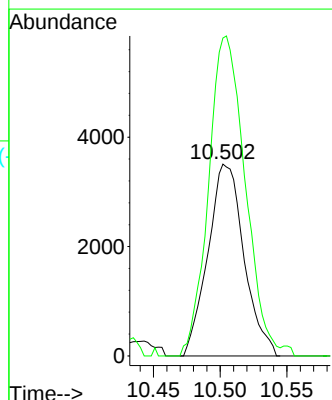
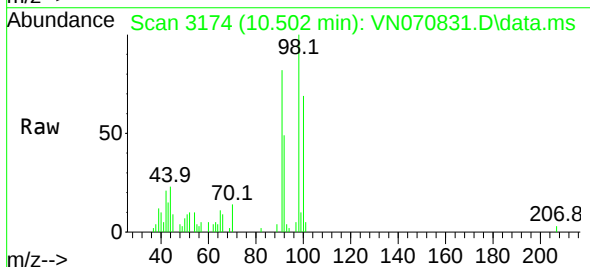
Acq: 28 Jan 2022 16:10

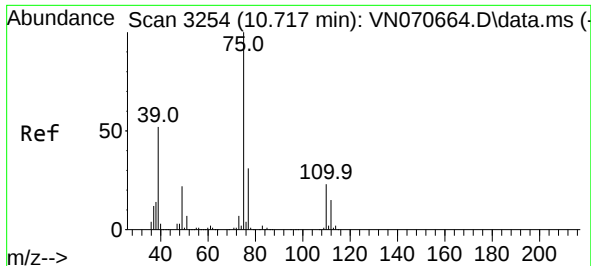
Tgt Ion: 92 Resp: 6587

Ion Ratio Lower Upper

92 100

91 169.0 142.0 213.0

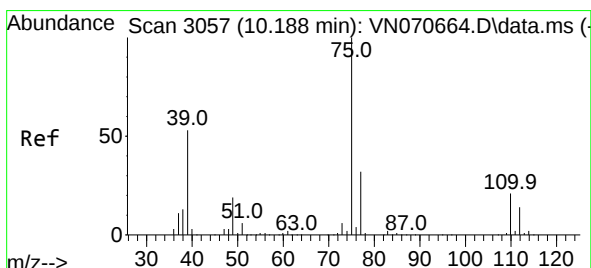
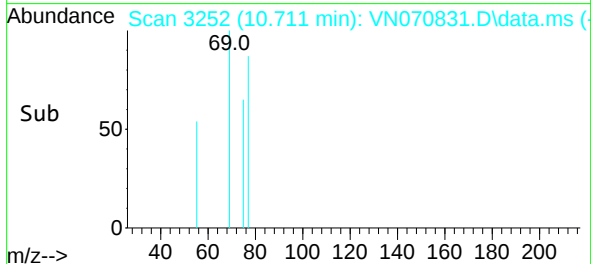
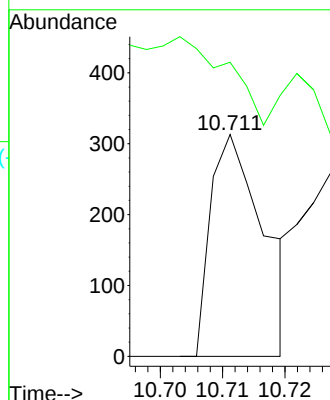
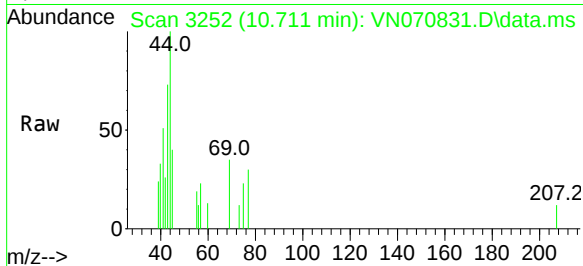




#53
t-1,3-Dichloropropene
Concen: 2.412 ug/l
RT: 10.711 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

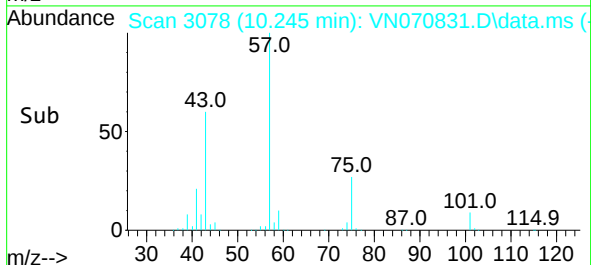
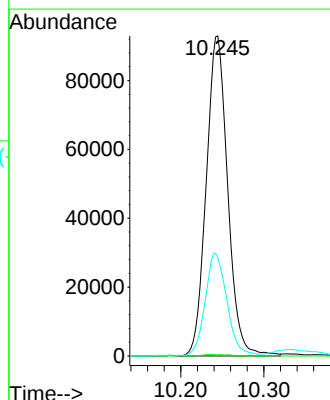
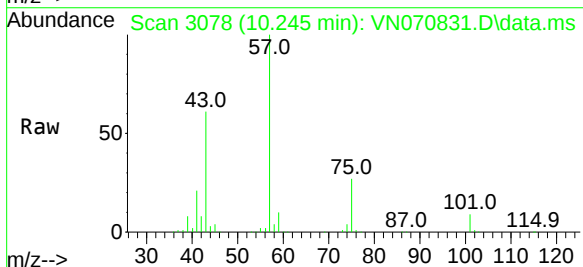
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

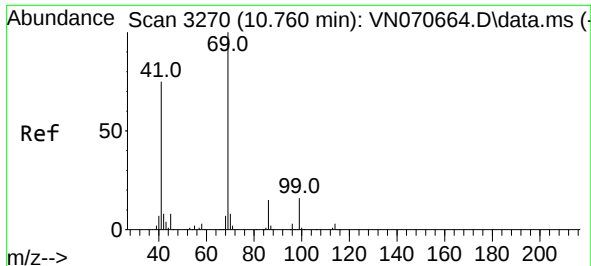
Tgt Ion: 75 Resp: 185
Ion Ratio Lower Upper
75 100
77 15.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 7.842 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.057 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 75 Resp: 166669
Ion Ratio Lower Upper
75 100
77 0.3 26.4 39.6#
39 30.5 42.5 63.7#

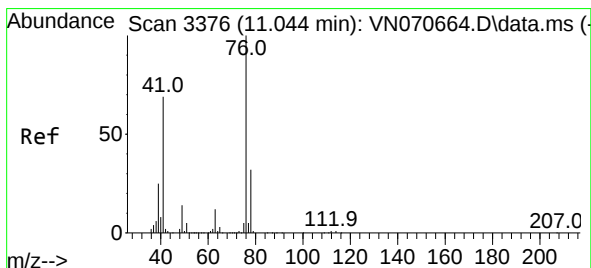
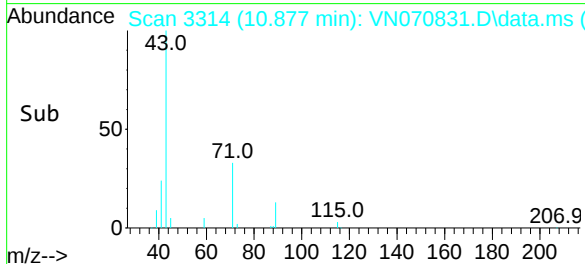
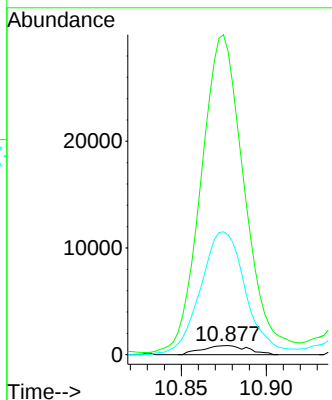
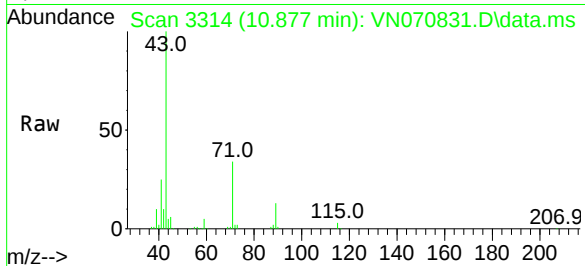




#56
Ethyl methacrylate
Concen: 2.364 ug/l
RT: 10.877 min Scan# 31
Delta R.T. 0.117 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

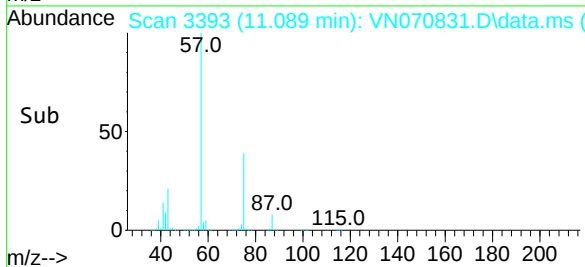
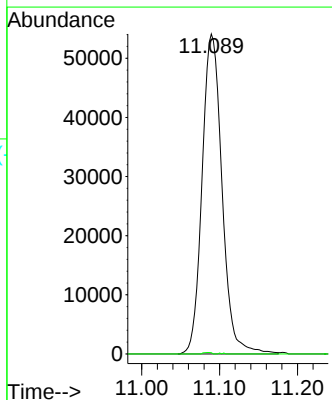
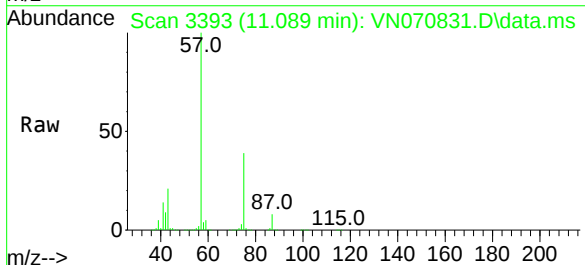
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

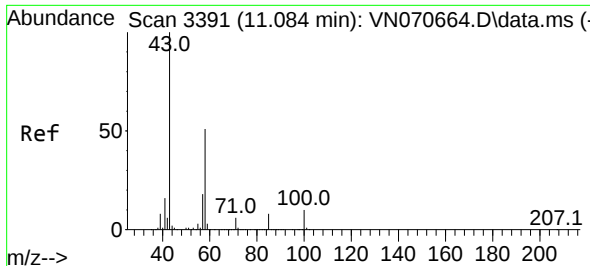
Tgt Ion: 69 Resp: 1596
Ion Ratio Lower Upper
69 100
41 3290.1 51.4 77.0#
39 1340.7 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.234 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 76 Resp: 96514
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

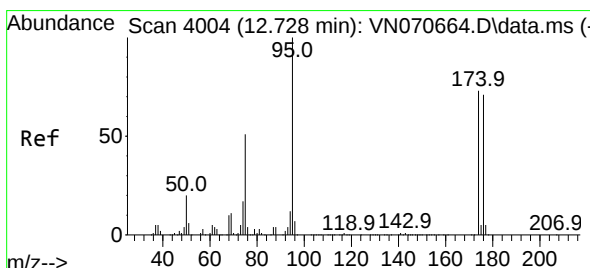
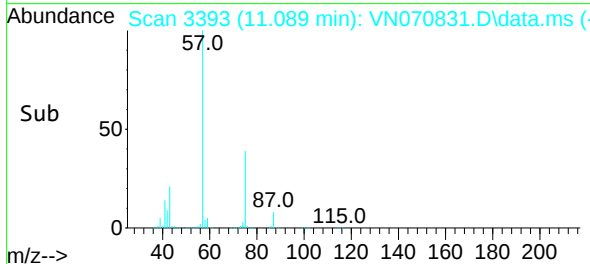
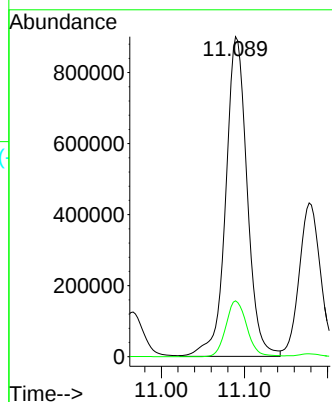
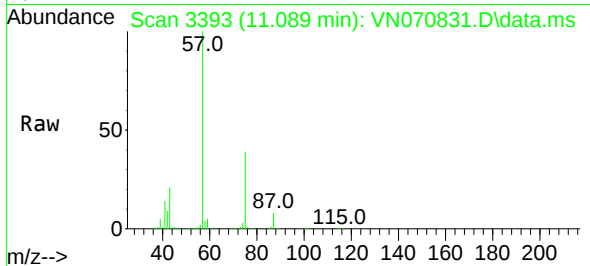




#59
2-Hexanone
Concen: 97.166 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

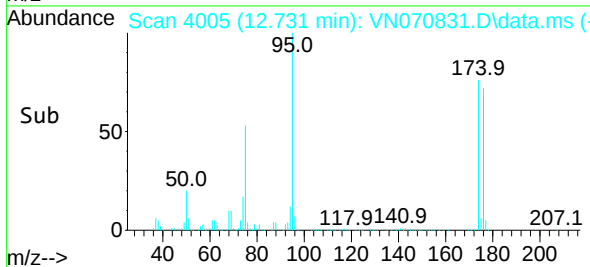
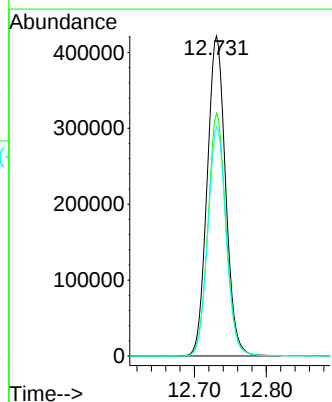
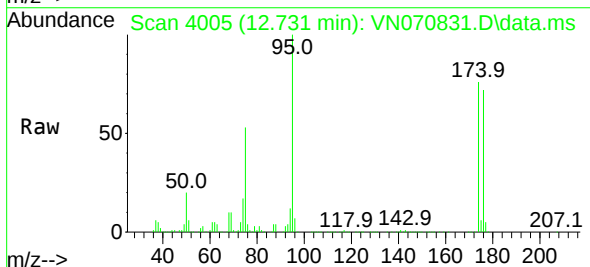
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

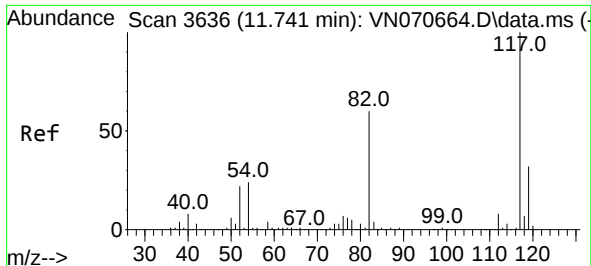
Tgt Ion: 43 Resp: 1615325
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.607 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 95 Resp: 750805
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 71.3 0.0 181.4

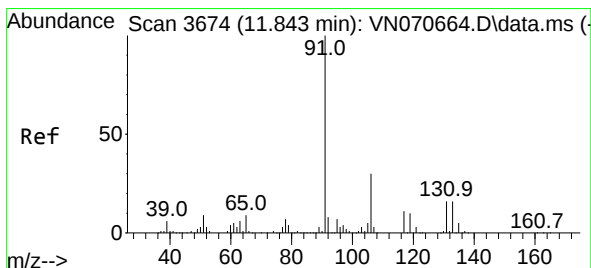
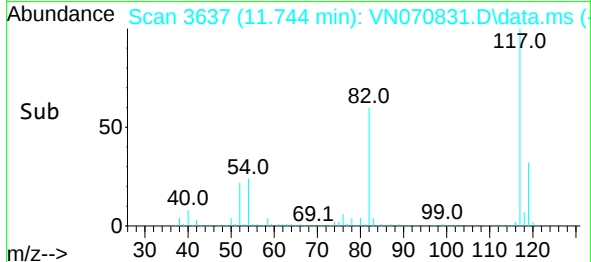
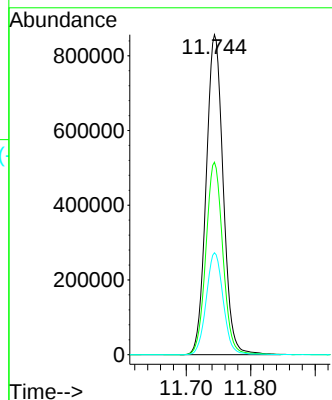
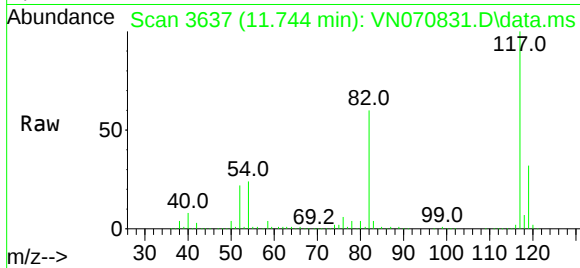




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

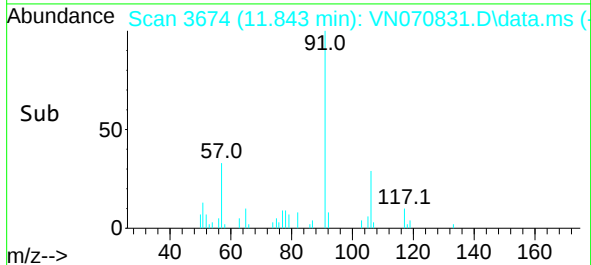
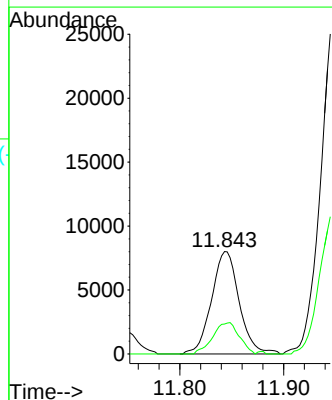
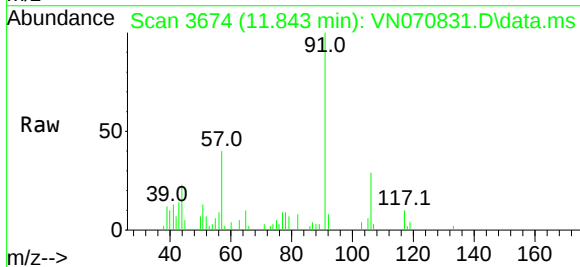
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

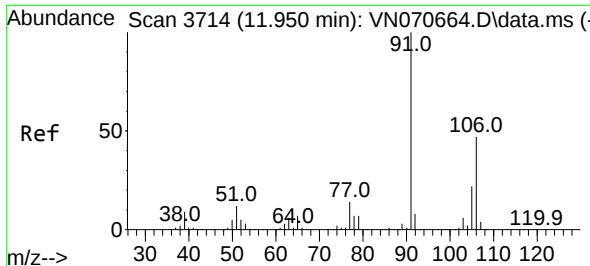
Tgt Ion:117 Resp: 1568953
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 31.8 25.4 38.2



#67
Ethyl Benzene
Concen: 0.235 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.000 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion: 91 Resp: 14819
Ion Ratio Lower Upper
91 100
106 29.2 25.7 38.5

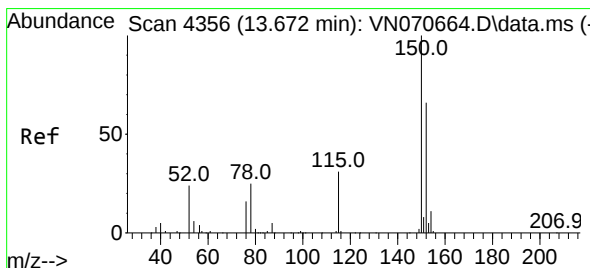
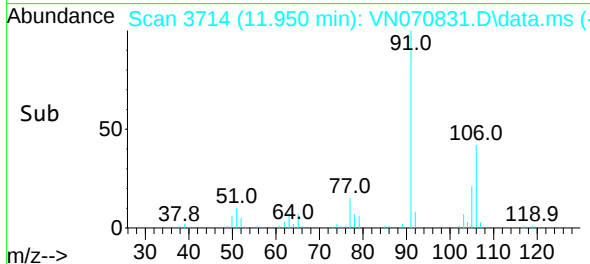
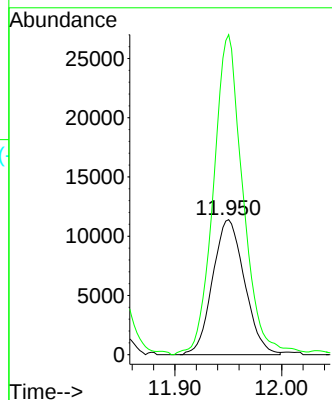
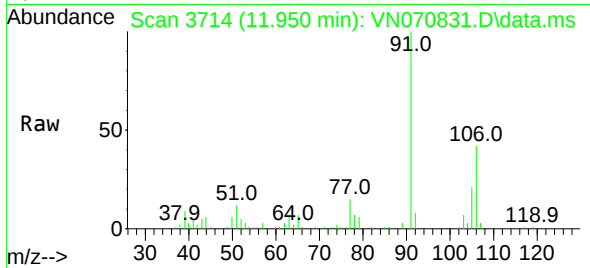




#68
m/p-Xylenes
Concen: 1.032 ug/l
RT: 11.950 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

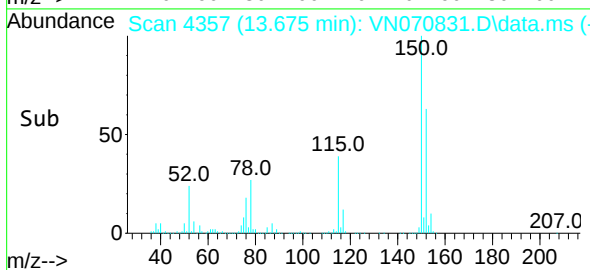
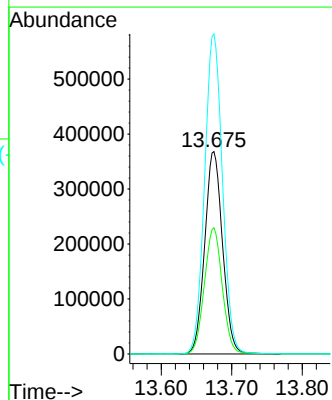
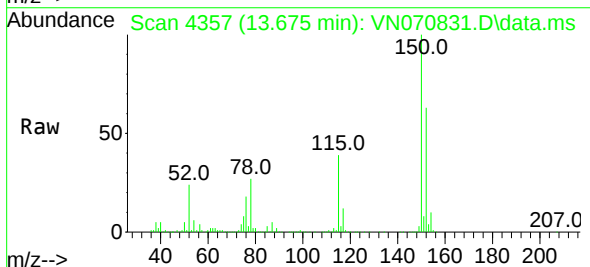
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

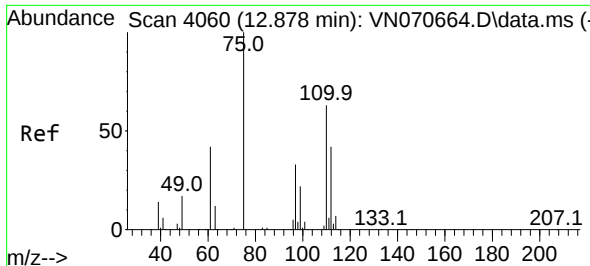
Tgt Ion:106 Resp: 23658
Ion Ratio Lower Upper
106 100
91 219.3 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion:152 Resp: 646759
Ion Ratio Lower Upper
152 100
115 62.5 27.5 82.5
150 158.1 0.0 344.4

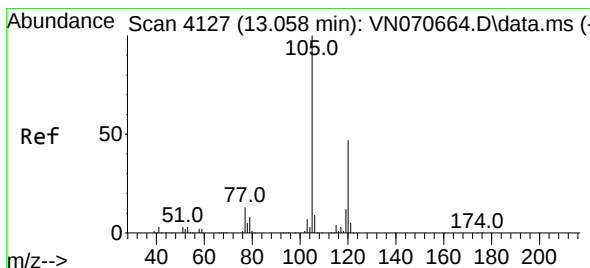
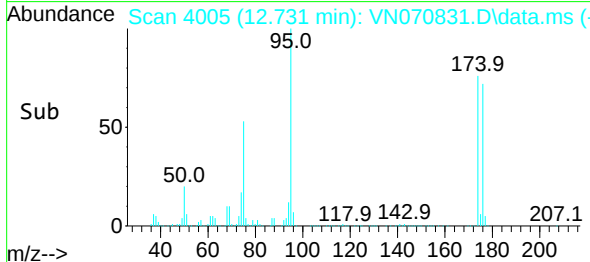
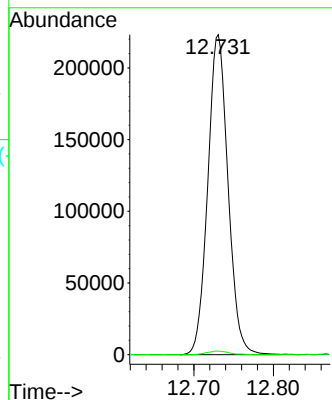
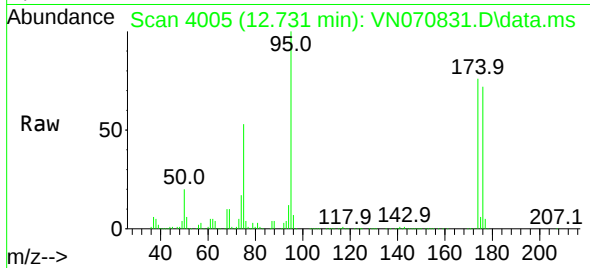




#76
 1,2,3-Trichloropropane
 Concen: 22.973 ug/l
 RT: 12.731 min Scan# 4060
 Delta R.T. -0.147 min
 Lab File: VN070831.D
 Acq: 28 Jan 2022 16:10

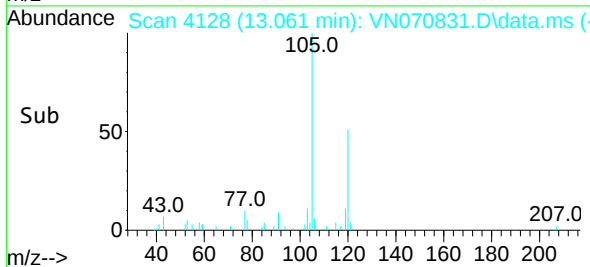
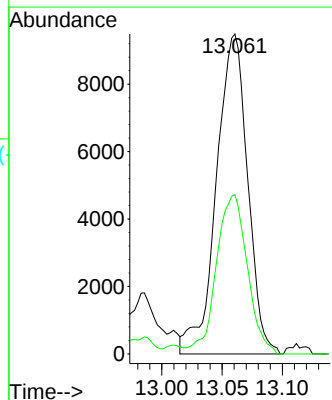
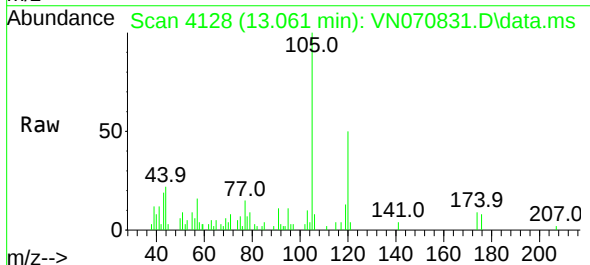
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#08

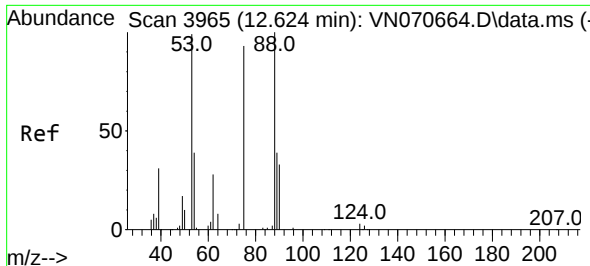
Tgt Ion: 75 Resp: 394066
 Ion Ratio Lower Upper
 75 100
 77 1.3 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.346 ug/l
 RT: 13.061 min Scan# 4128
 Delta R.T. 0.003 min
 Lab File: VN070831.D
 Acq: 28 Jan 2022 16:10

Tgt Ion: 105 Resp: 17122
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.6

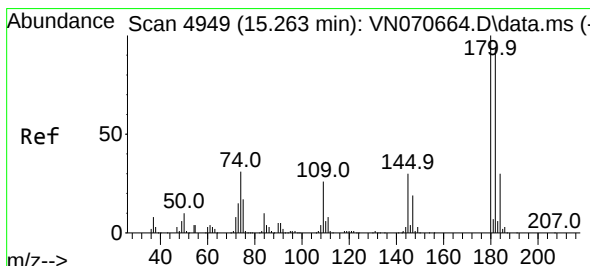
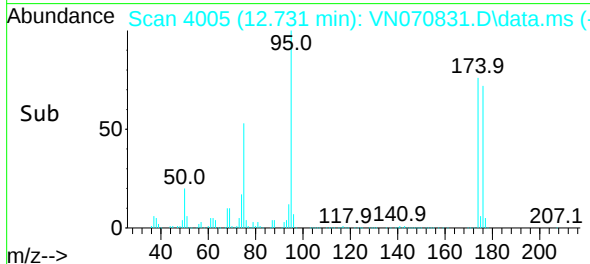
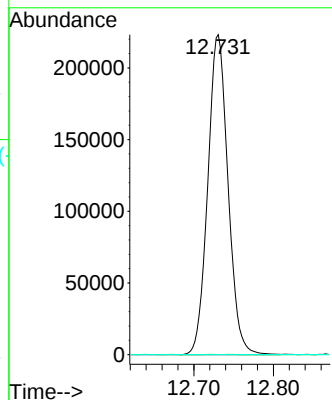
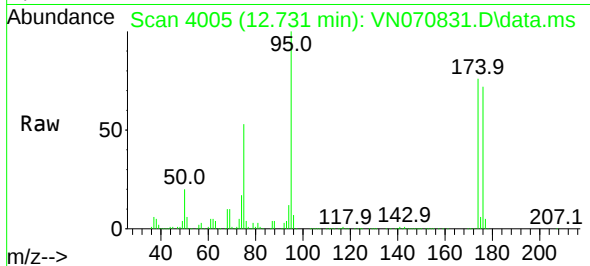




#81
trans-1,4-Dichloro-2-butene
Concen: 68.439 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

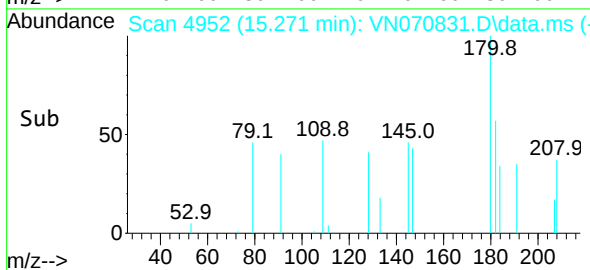
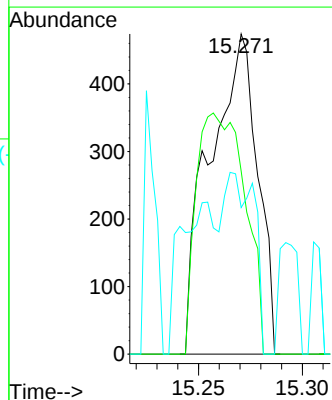
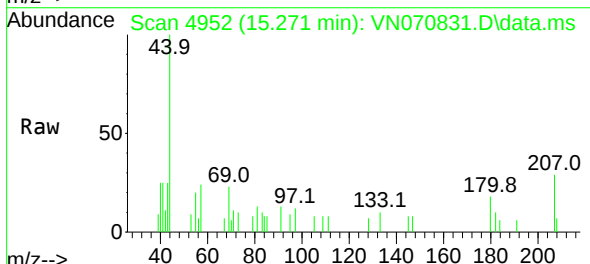
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

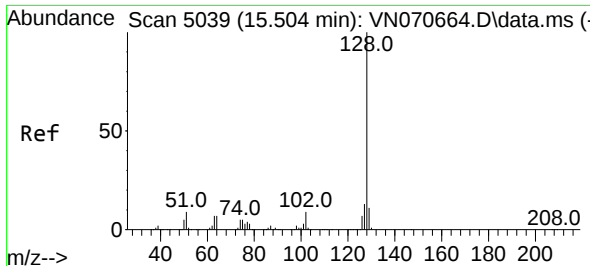
Tgt Ion: 75 Resp: 394066
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.484 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.008 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion:180 Resp: 755
Ion Ratio Lower Upper
180 100
182 77.1 48.3 144.9
145 35.8 14.5 43.5

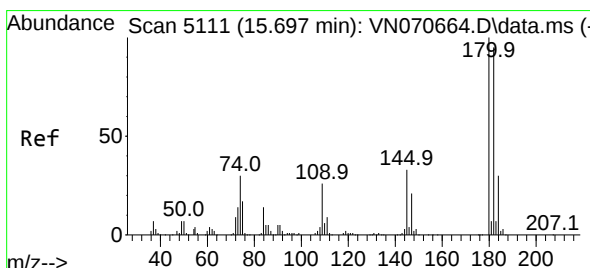
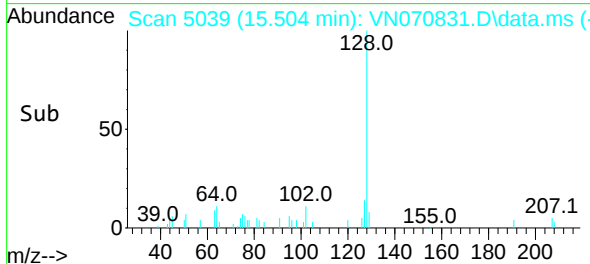
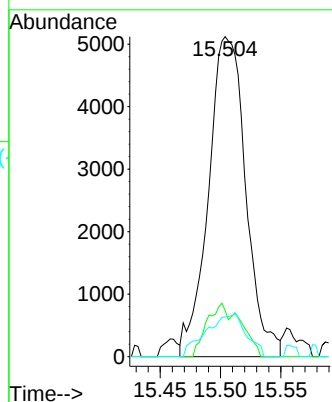
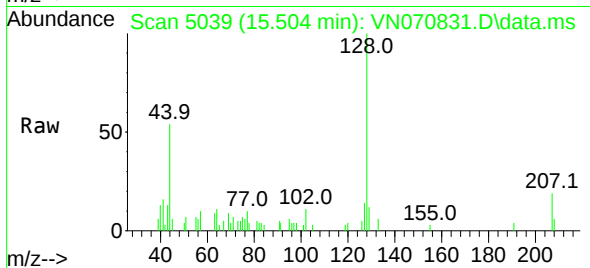




#95
Naphthalene
Concen: 5.245 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#08

Tgt Ion:128 Resp: 11027
Ion Ratio Lower Upper
128 100
127 9.2 10.5 15.7#
129 14.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.279 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.005 min
Lab File: VN070831.D
Acq: 28 Jan 2022 16:10

Tgt Ion:180 Resp: 774
Ion Ratio Lower Upper
180 100
182 123.8 47.4 142.2
145 34.8 15.0 45.1

