

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070833.D
 Acq On : 28 Jan 2022 17:01
 Operator : JC/MD
 Sample : PB142316ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#10

Quant Time: Jan 28 23:18:07 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)

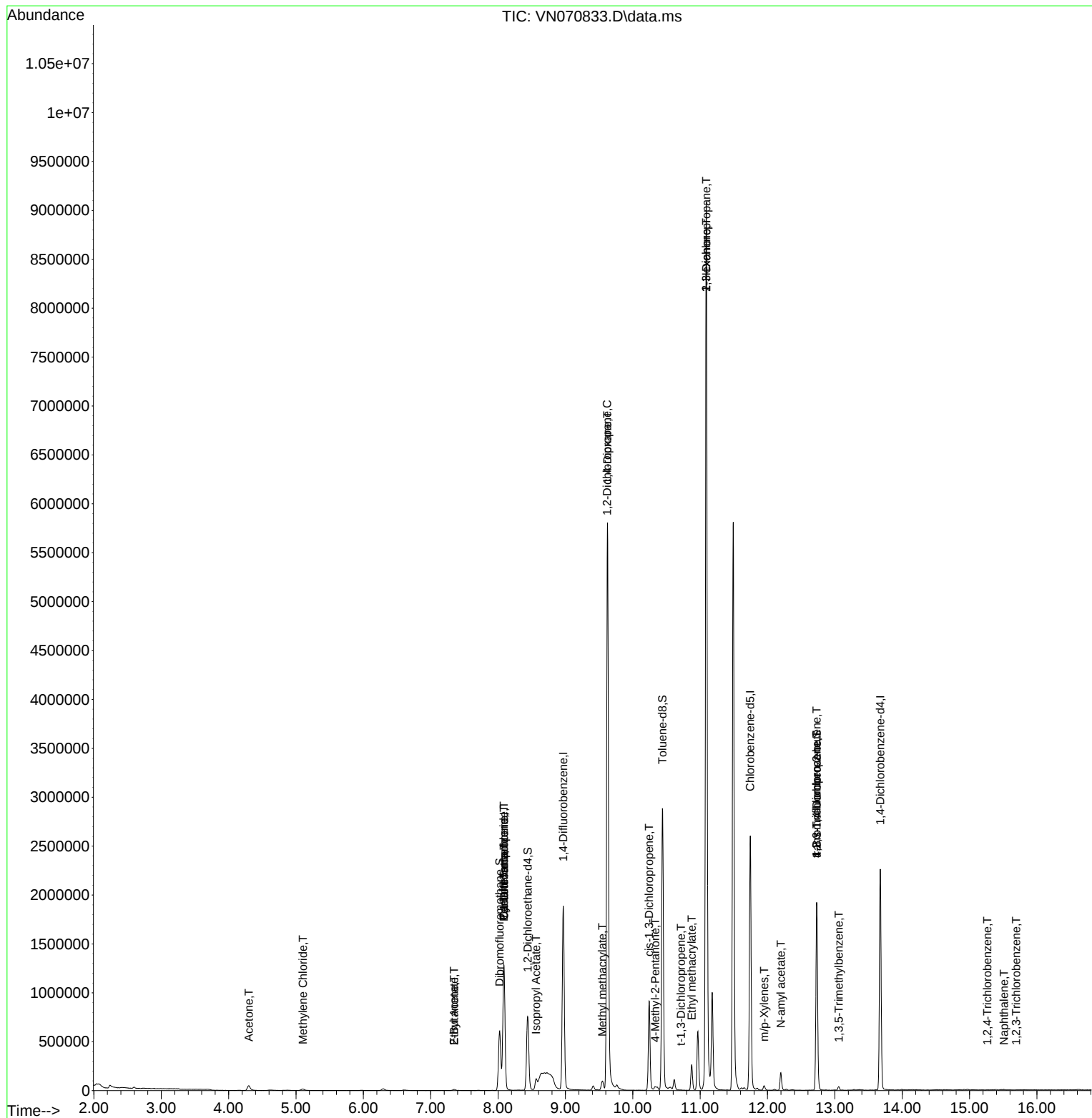
Internal Standards						
1) Pentafluorobenzene	8.088	168	973290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1628156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1492990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	613122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	665922	47.741	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.480%		
35) Dibromofluoromethane	8.024	113	458068	45.356	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.720%		
50) Toluene-d8	10.440	98	2020267	47.484	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.960%		
62) 4-Bromofluorobenzene	12.731	95	707621	46.673	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.340%		
Target Compounds					Qvalue	
16) Acetone	4.299	43	99524	10.280	ug/l	99
20) Methylene Chloride	5.103	84	11509	0.902	ug/l	94
25) 2-Butanone	7.348	43	21197	1.740	ug/l #	89
30) Chloroform	7.817	83	59	Below Cal	#	18
31) Cyclohexane	8.086	56	21930	0.893	ug/l #	3
36) 1,1-Dichloropropene	8.086	75	80086	4.710	ug/l #	49
37) Ethyl Acetate	7.348	43	21197	0.939	ug/l #	68
38) Carbon Tetrachloride	8.086	117	98004	6.479	ug/l #	17
43) Isopropyl Acetate	8.566	43	141173	4.095	ug/l #	83
45) 1,2-Dichloropropane	9.620	63	7059	0.492	ug/l #	44
48) Methyl methacrylate	9.550	41	27520	1.676	ug/l #	8
49) 1,4-Dioxane	9.622	88	716	2.902	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	19009	0.864	ug/l #	76
53) t-1,3-Dichloropropene	10.714	75	353	2.420	ug/l #	45
54) cis-1,3-Dichloropropene	10.242	75	163767	8.015	ug/l #	59
56) Ethyl methacrylate	10.875	69	1595	2.366	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	95526	4.359	ug/l #	43
59) 2-Hexanone	11.089	43	1576626	98.651	ug/l #	49
68) m/p-Xylenes	11.950	106	13773	0.631	ug/l	94
74) N-amyl acetate	12.197	43	64441	2.717	ug/l #	53
76) 1,2,3-Trichloropropane	12.731	75	373028	22.939	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	15808	0.337	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.731	75	373028	68.340	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	538	3.469	ug/l	88
95) Naphthalene	15.509	128	5427	5.102	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.692	180	413	3.252	ug/l	81

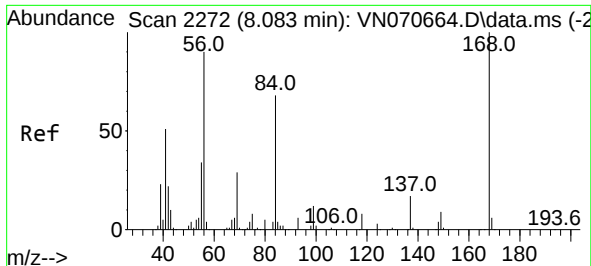
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
Data File : VN070833.D
Acq On : 28 Jan 2022 17:01
Operator : JC/MD
Sample : PB142316ZHE#10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

Quant Time: Jan 28 23:18:07 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

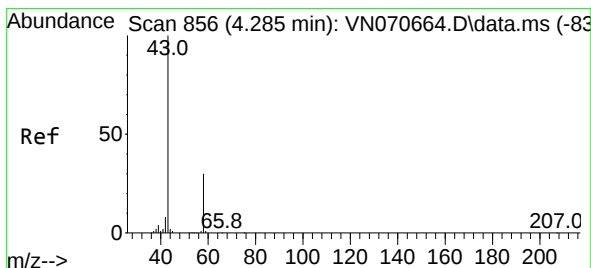
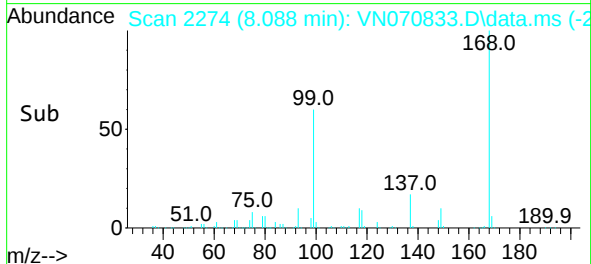
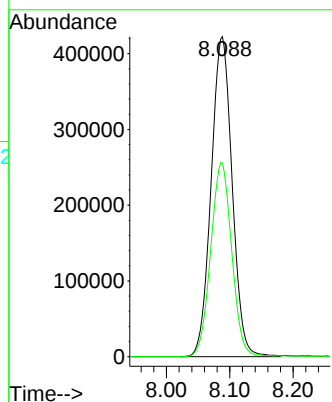
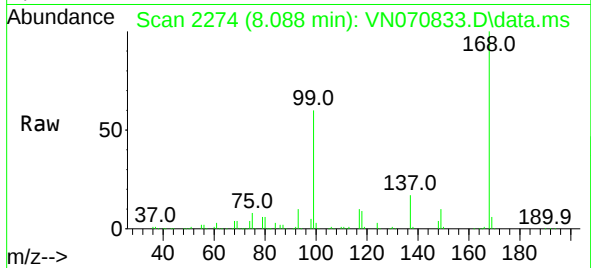




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

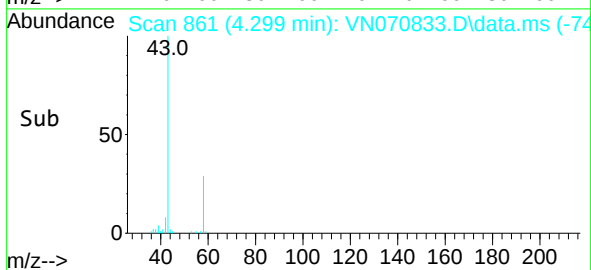
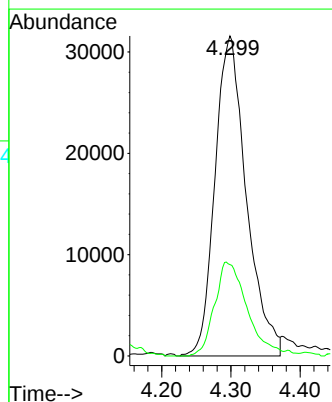
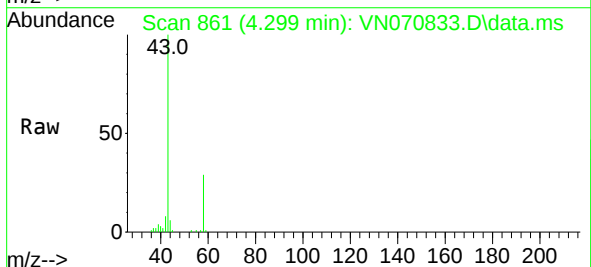
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

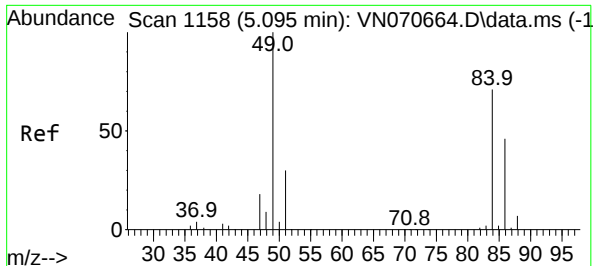
Tgt Ion:168 Resp: 973290
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#16
Acetone
Concen: 10.280 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 43 Resp: 99524
Ion Ratio Lower Upper
43 100
58 28.5 23.1 34.7

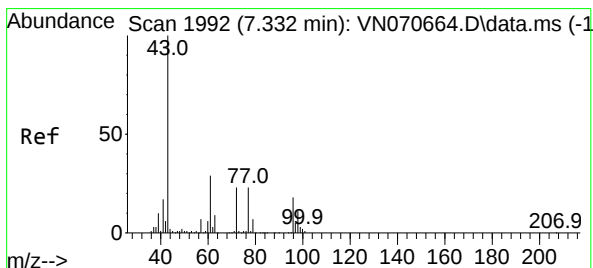
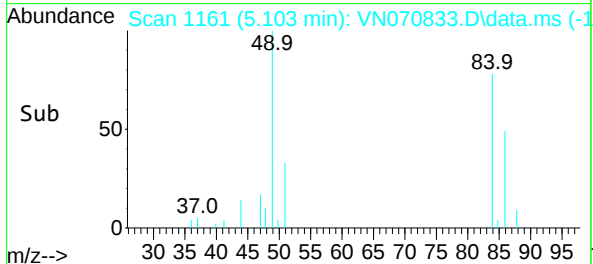
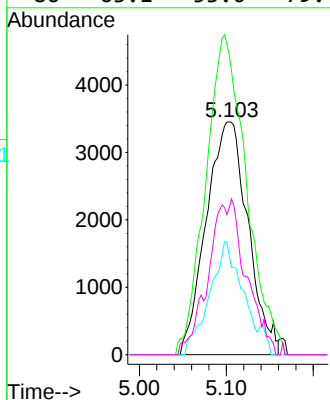
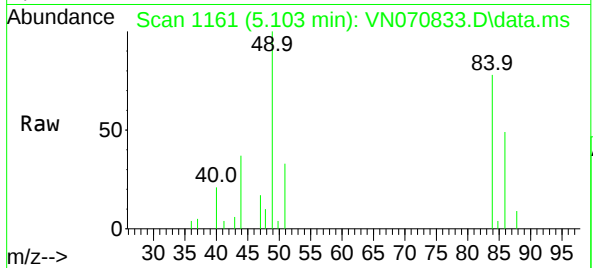




#20
Methylene Chloride
Concen: 0.902 ug/l
RT: 5.103 min Scan# 1158
Delta R.T. 0.008 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

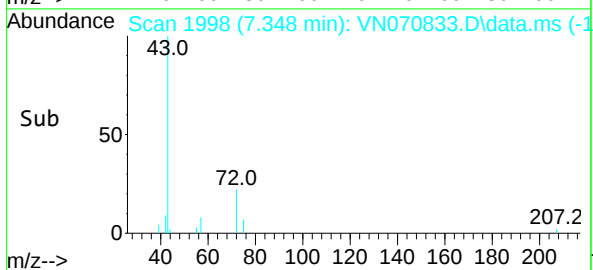
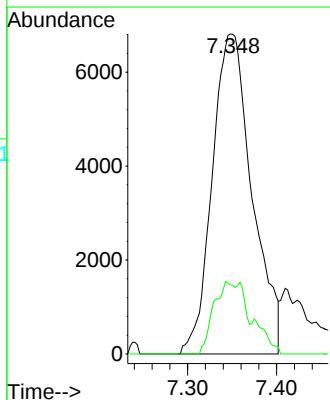
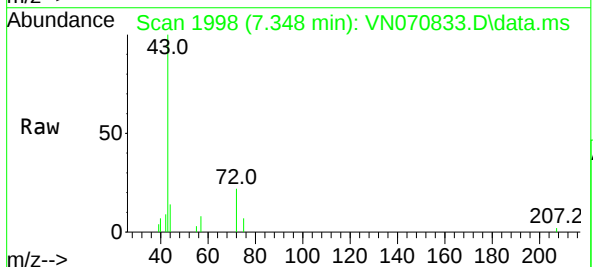
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

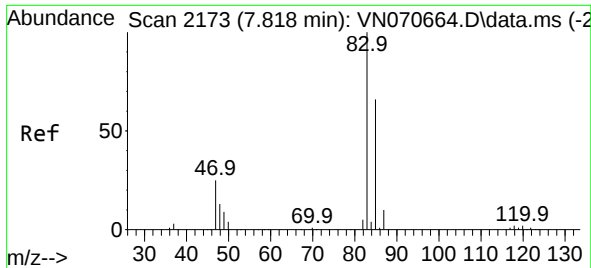
Tgt Ion:	84	Resp:	11509
Ion	Ratio	Lower	Upper
84	100		
49	123.4	93.5	140.3
51	42.6	29.4	44.2
86	63.1	53.0	79.4



#25
2-Butanone
Concen: 1.740 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion:	43	Resp:	21197
Ion	Ratio	Lower	Upper
43	100		
72	21.6	21.7	32.5#

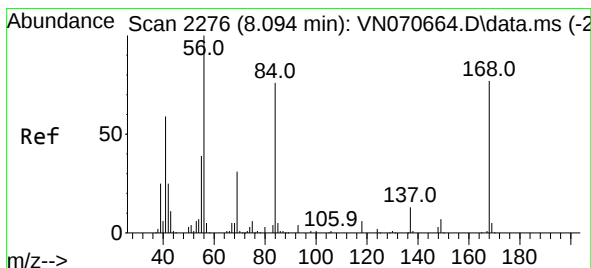
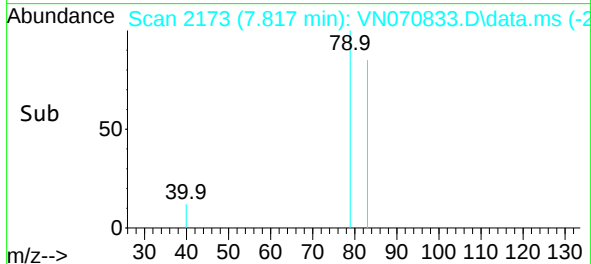
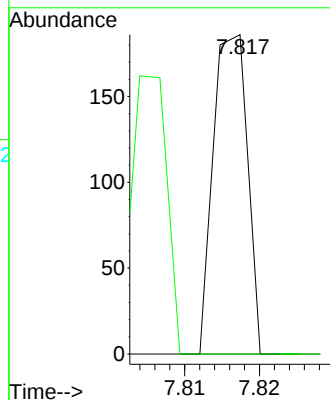
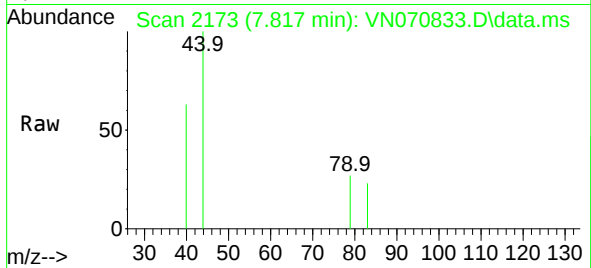




#30
Chloroform
Concen: Below Cal
RT: 7.817 min Scan# 2173
Delta R.T. -0.001 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

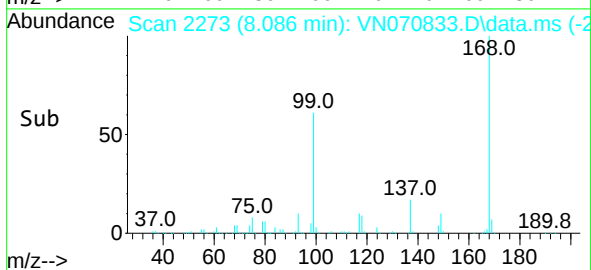
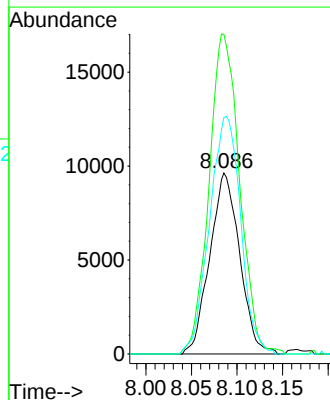
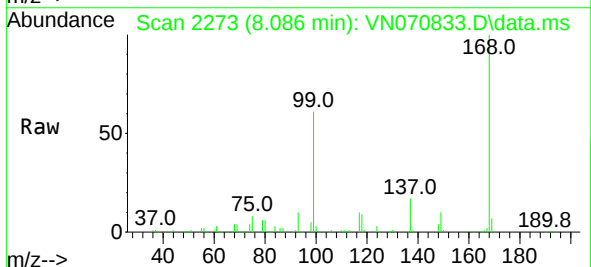
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

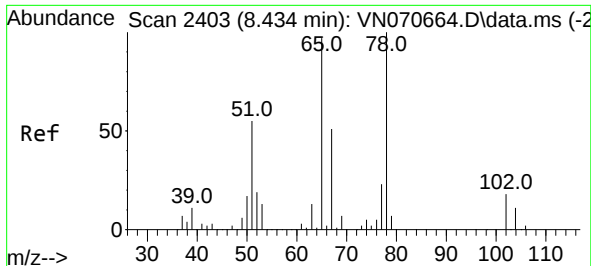
Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.893 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 56 Resp: 21930
Ion Ratio Lower Upper
56 100
69 176.7 27.1 40.7#
84 130.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.741 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.006 min

Lab File: VN070833.D

Acq: 28 Jan 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

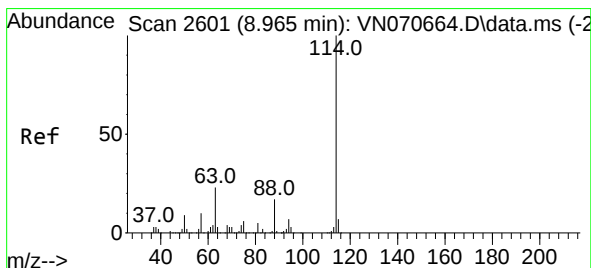
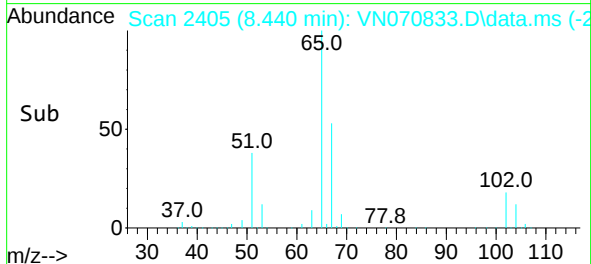
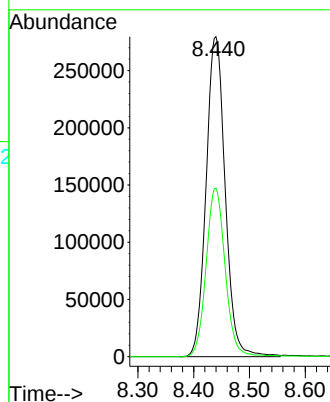
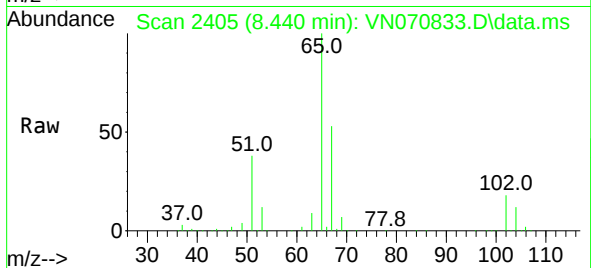
PB142316ZHE#10

Tgt Ion: 65 Resp: 665922

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070833.D

Acq: 28 Jan 2022 17:01

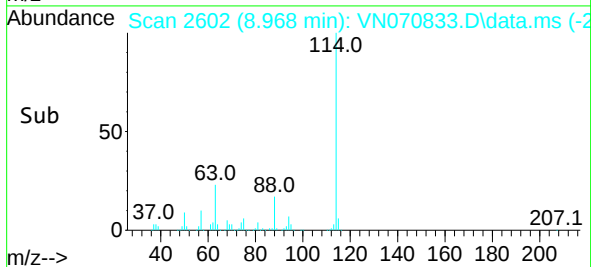
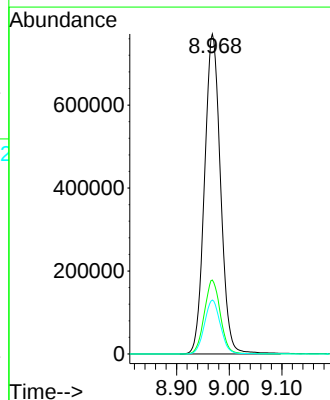
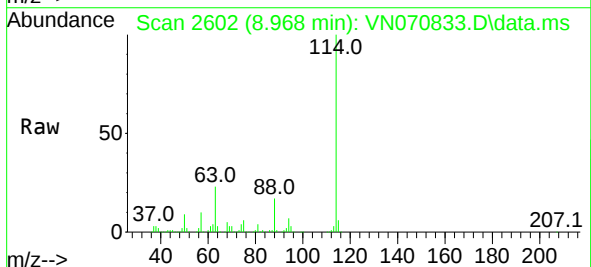
Tgt Ion: 114 Resp: 1628156

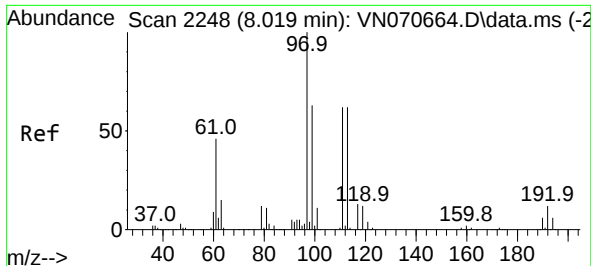
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 16.8 0.0 27.4





#35

Dibromofluoromethane

Concen: 45.356 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN070833.D

Acq: 28 Jan 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#10

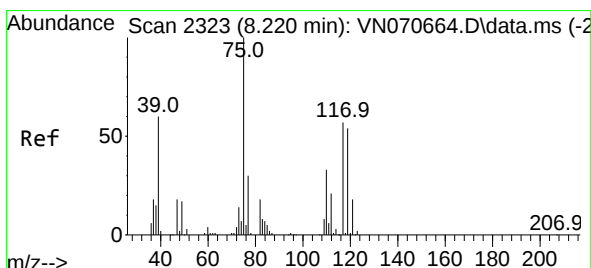
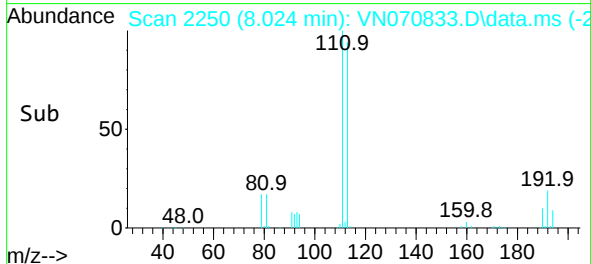
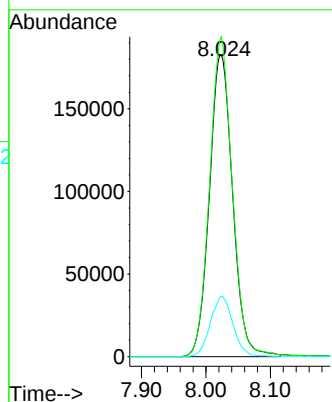
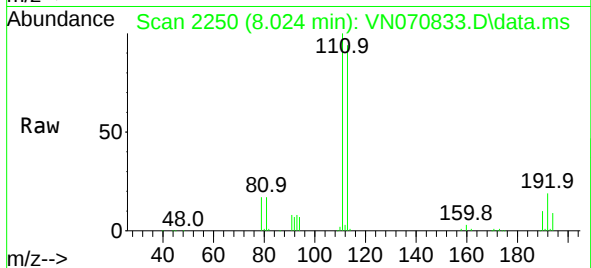
Tgt Ion:113 Resp: 458068

Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.710 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070833.D

Acq: 28 Jan 2022 17:01

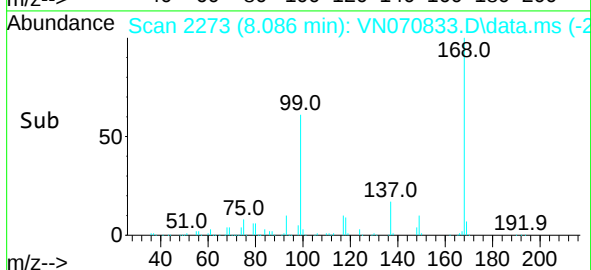
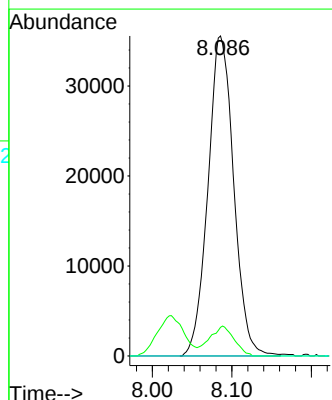
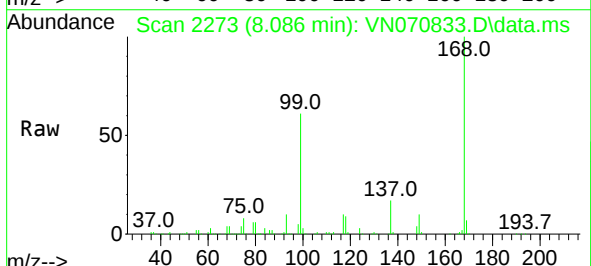
Tgt Ion: 75 Resp: 80086

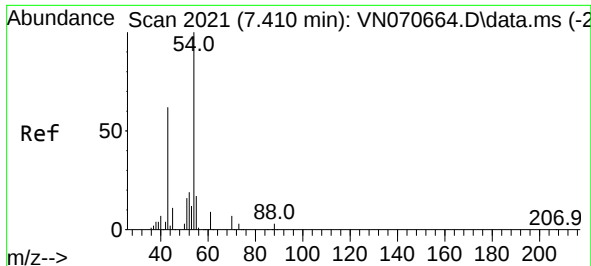
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.939 ug/l

RT: 7.348 min Scan# 11

Delta R.T. -0.062 min

Lab File: VN070833.D

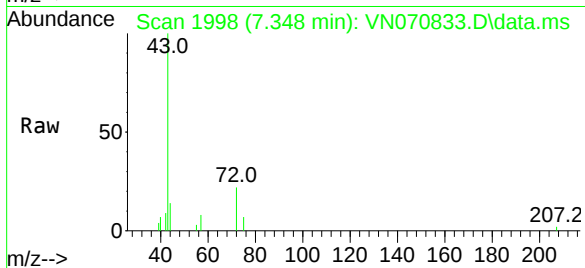
Acq: 28 Jan 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#10



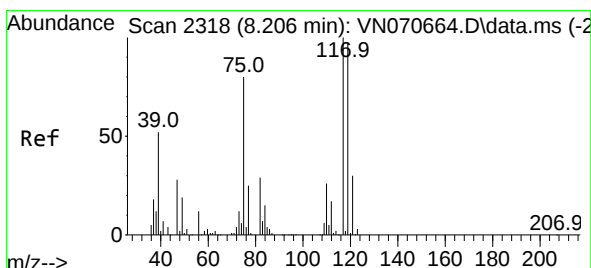
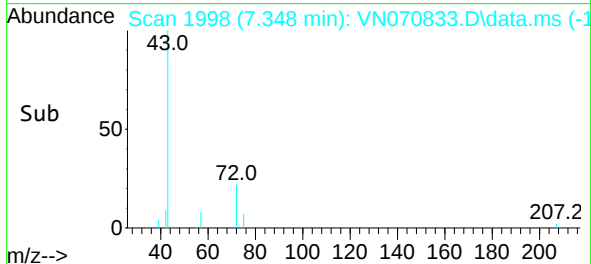
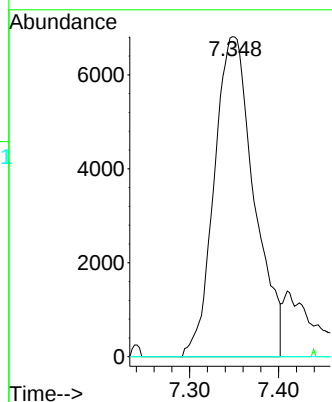
Tgt Ion: 43 Resp: 21197

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.479 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070833.D

Acq: 28 Jan 2022 17:01

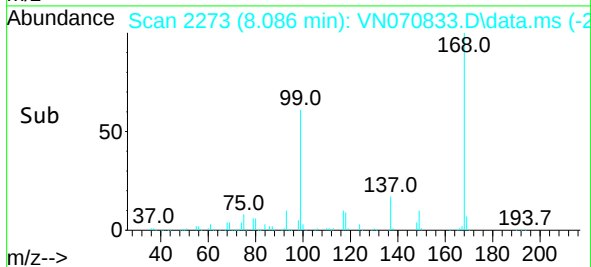
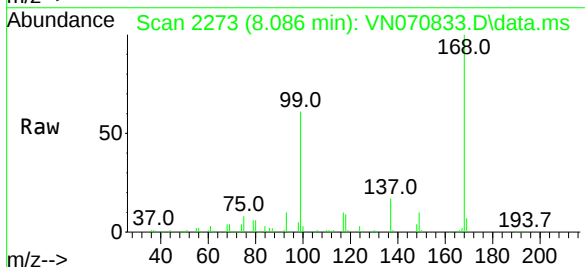
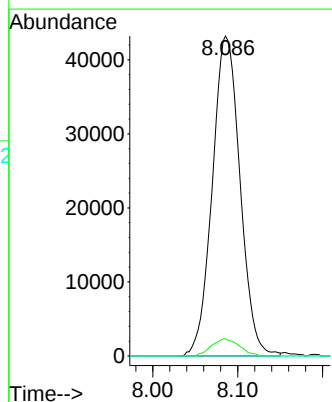
Tgt Ion: 117 Resp: 98004

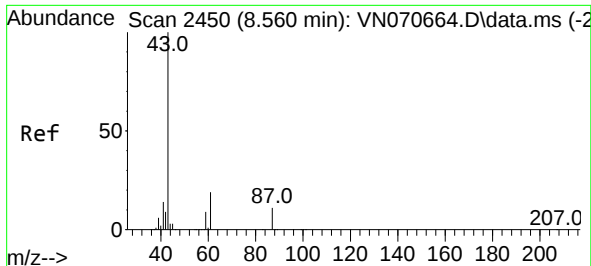
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.2 36.2#

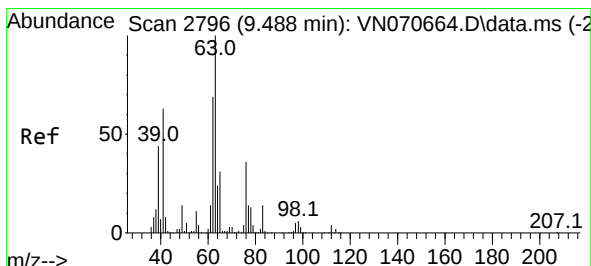
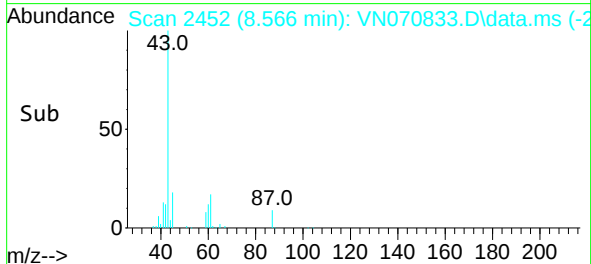
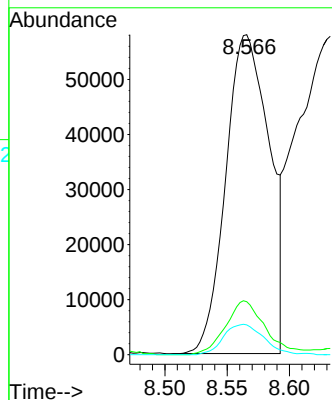
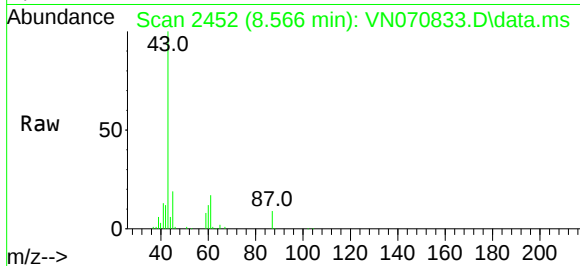




#43
Isopropyl Acetate
Concen: 4.095 ug/l
RT: 8.566 min Scan# 2450
Delta R.T. 0.006 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

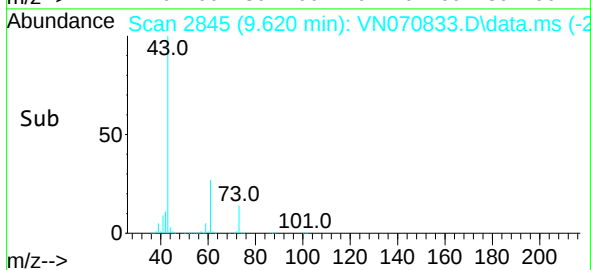
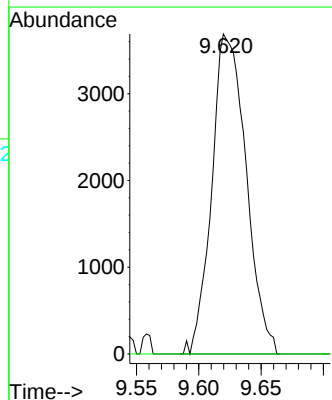
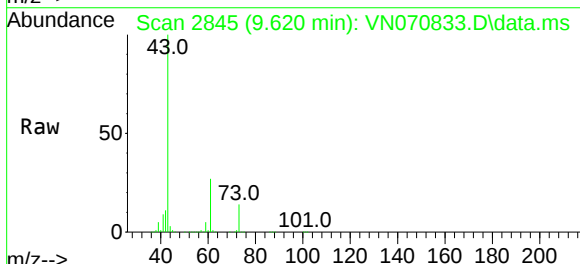
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

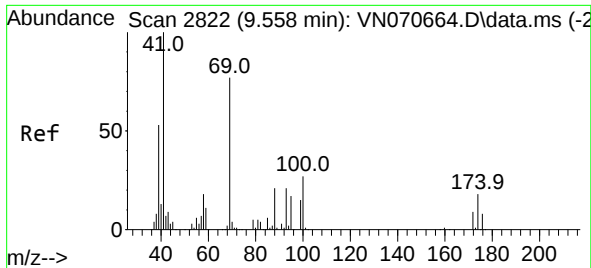
Tgt Ion: 43 Resp: 141173
Ion Ratio Lower Upper
43 100
61 15.4 20.4 30.6#
87 8.7 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.492 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.132 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 63 Resp: 7059
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

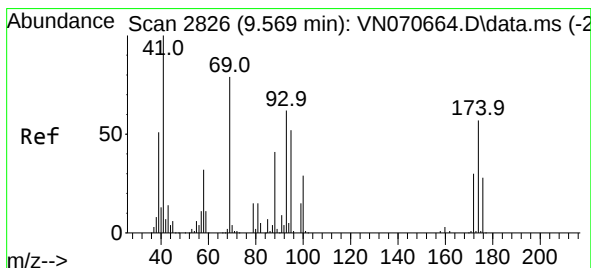
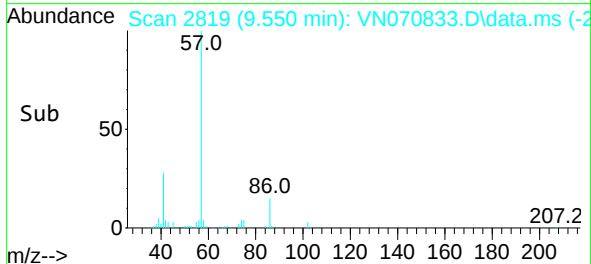
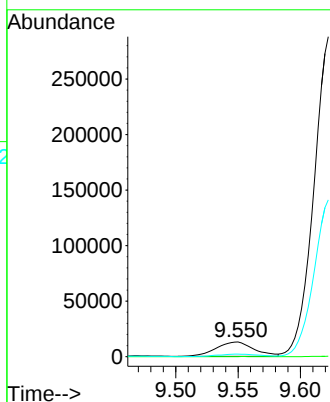
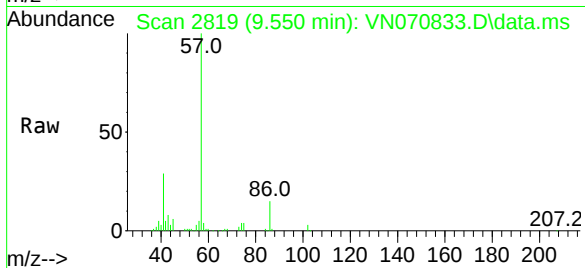




#48
Methyl methacrylate
Concen: 1.676 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.008 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

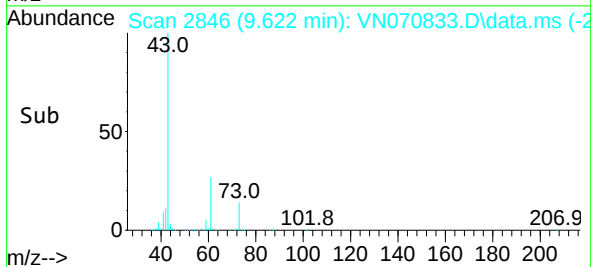
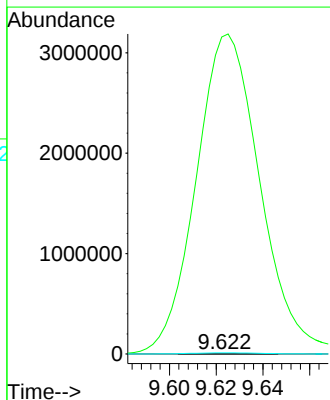
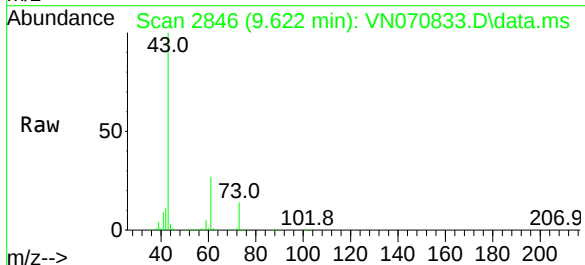
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

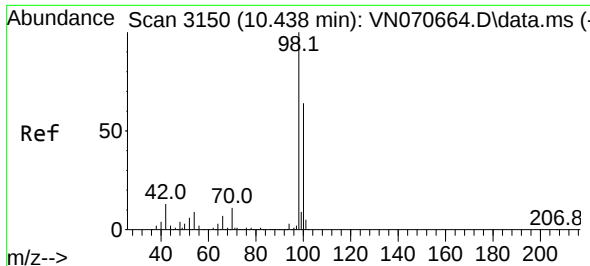
Tgt Ion: 41 Resp: 27520
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.902 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 88 Resp: 716
Ion Ratio Lower Upper
88 100
43 865591.3 23.4 35.2#
58 3098.2 50.6 75.8#

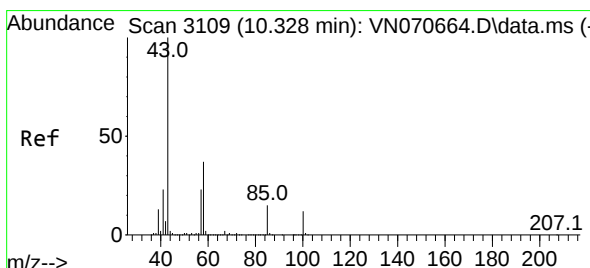
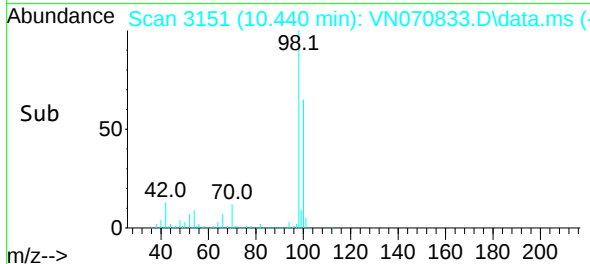
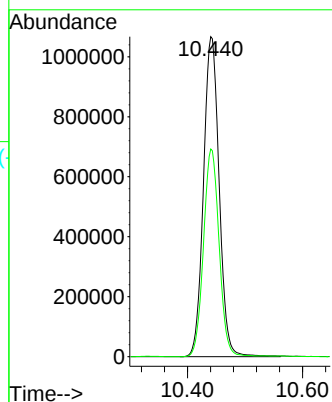
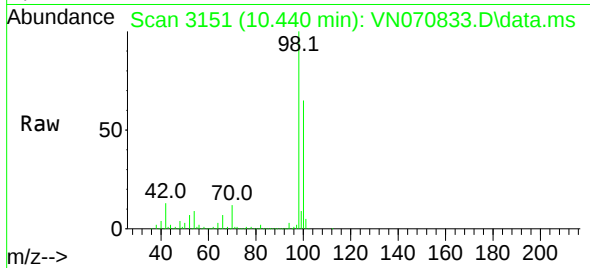




#50
Toluene-d8
Concen: 47.484 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

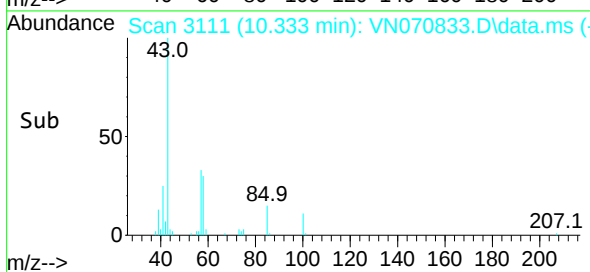
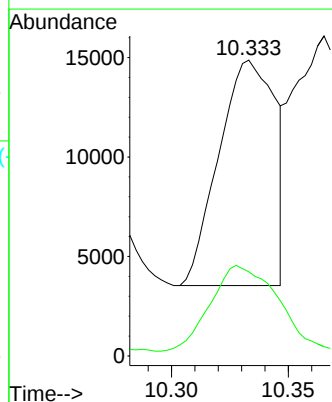
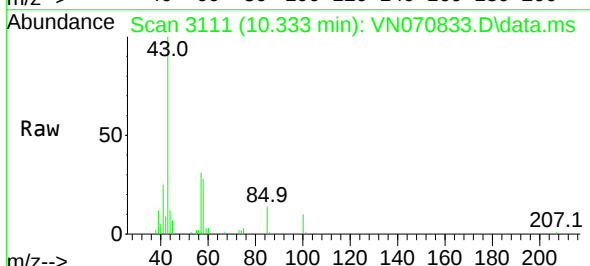
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

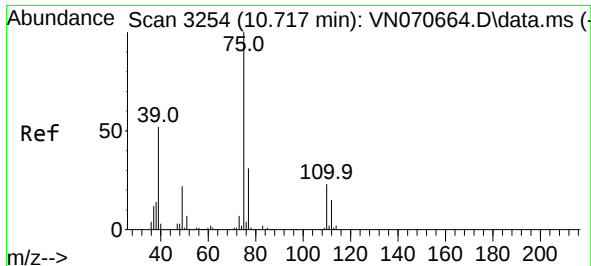
Tgt Ion: 98 Resp: 2020267
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.864 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 43 Resp: 19009
Ion Ratio Lower Upper
43 100
58 52.5 30.4 45.6#

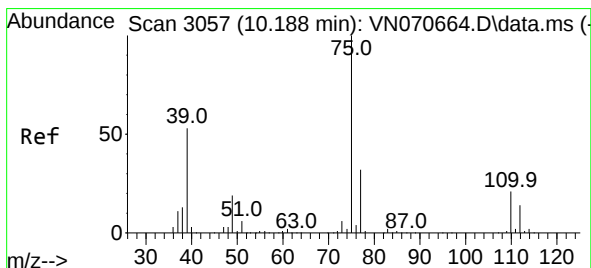
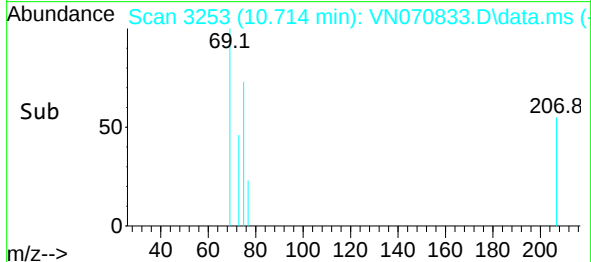
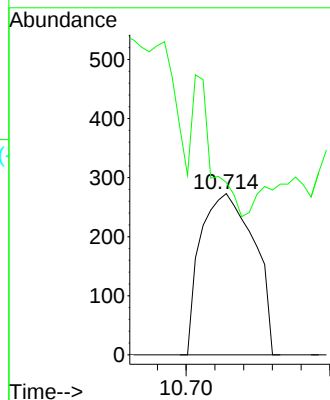
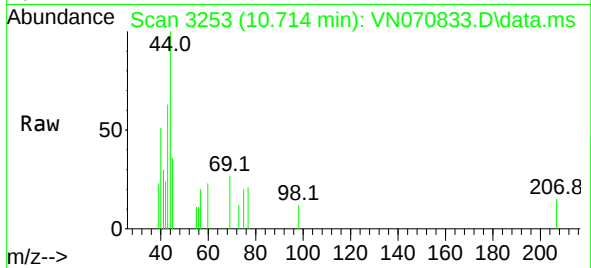




#53
t-1,3-Dichloropropene
Concen: 2.420 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

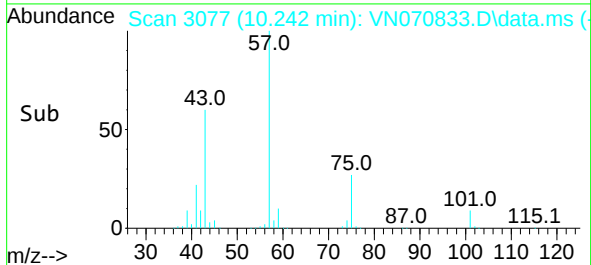
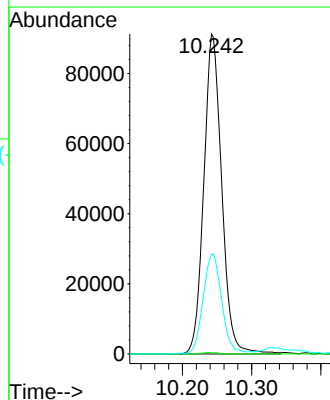
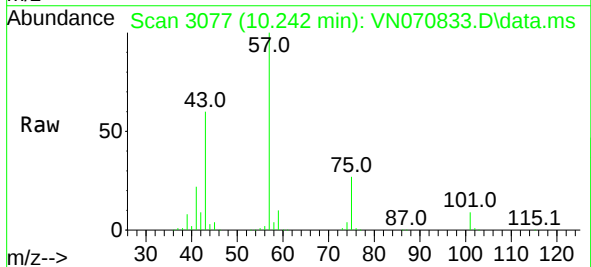
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

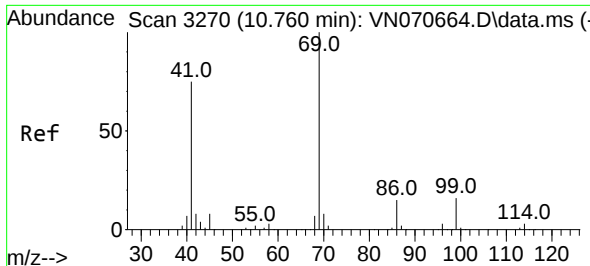
Tgt Ion: 75 Resp: 353
Ion Ratio Lower Upper
75 100
77 1.1 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.015 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 75 Resp: 163767
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 31.0 42.5 63.7#

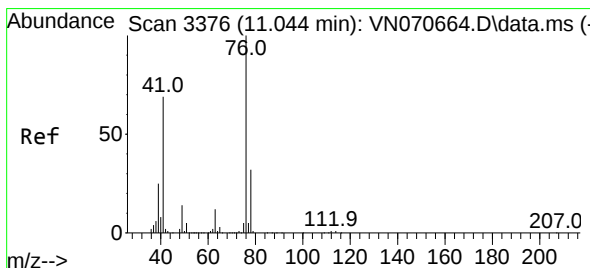
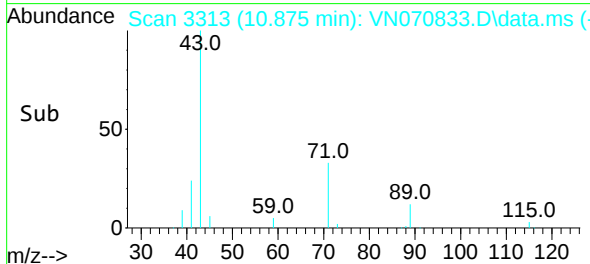
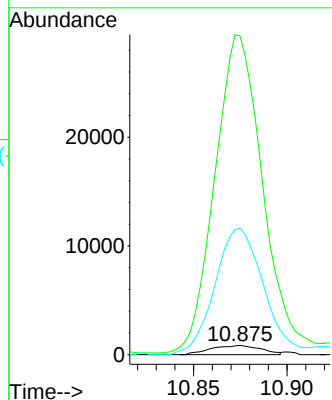
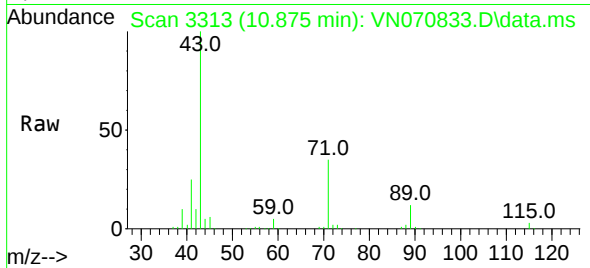




#56
Ethyl methacrylate
Concen: 2.366 ug/l
RT: 10.875 min Scan# 31
Delta R.T. 0.115 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

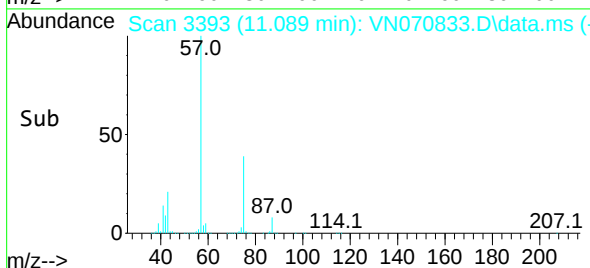
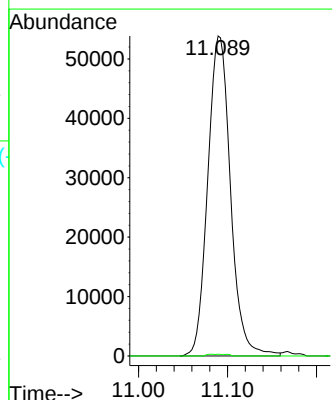
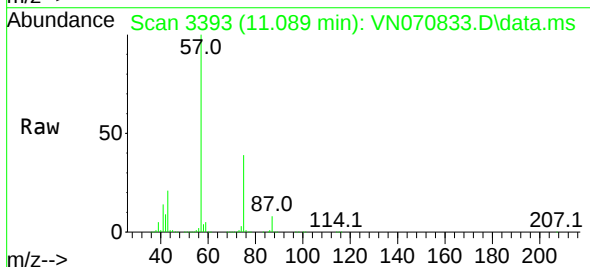
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

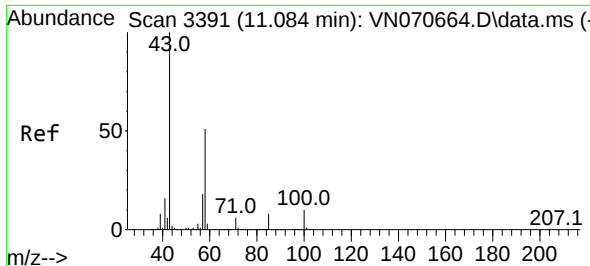
Tgt Ion: 69 Resp: 1595
Ion Ratio Lower Upper
69 100
41 3266.3 51.4 77.0#
39 1317.5 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.359 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 76 Resp: 95526
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

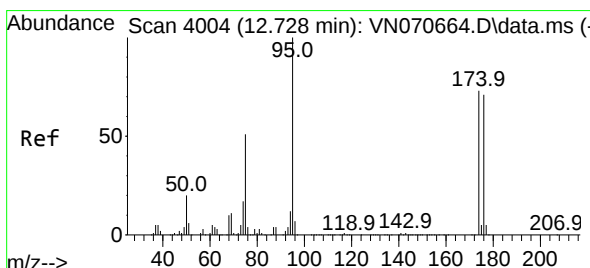
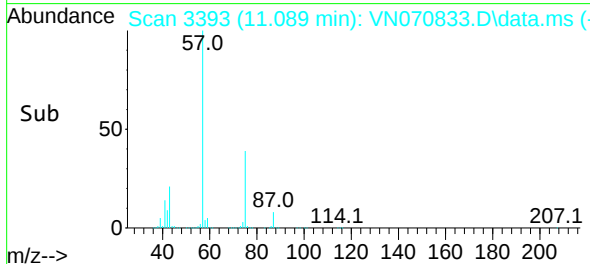
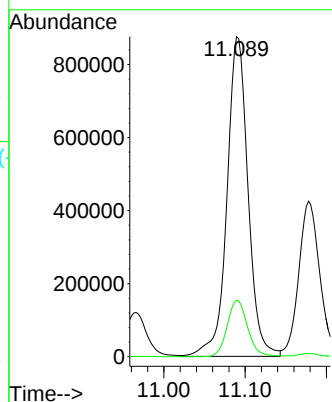
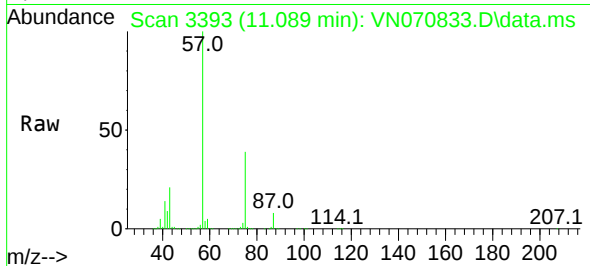




#59
2-Hexanone
Concen: 98.651 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

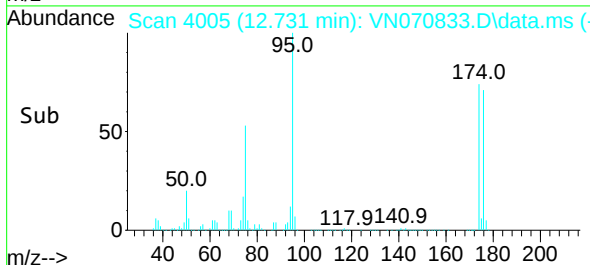
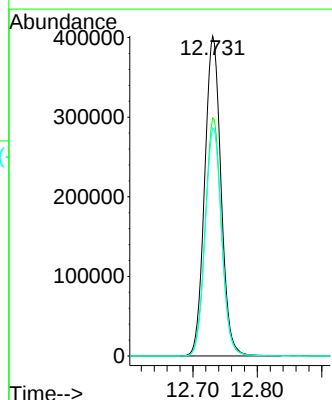
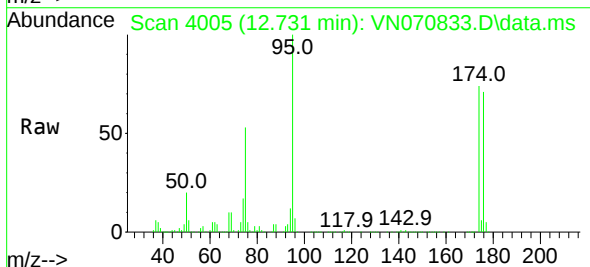
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

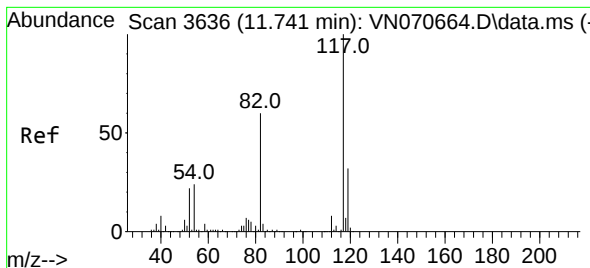
Tgt Ion: 43 Resp: 1576626
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 46.673 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 95 Resp: 707621
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.7 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: VN070833.D

Acq: 28 Jan 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#10

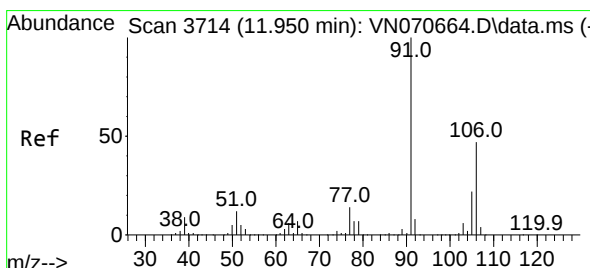
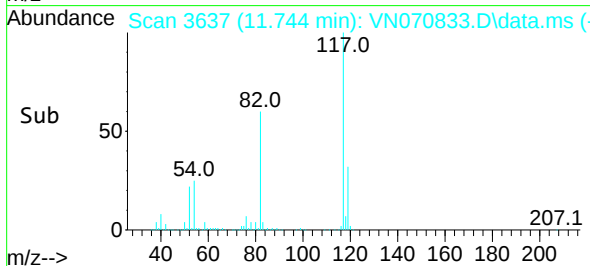
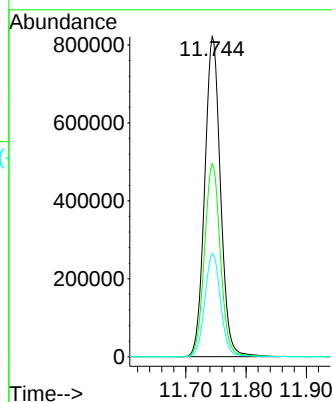
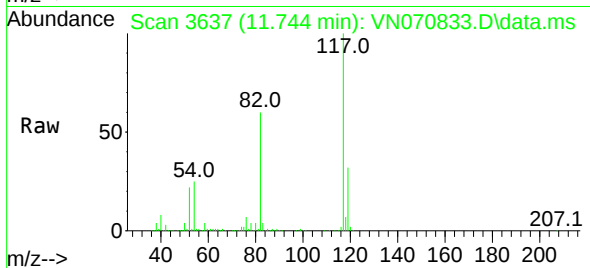
Tgt Ion:117 Resp: 1492990

Ion Ratio Lower Upper

117 100

82 60.4 42.4 63.6

119 32.2 25.4 38.2



#68

m/p-Xylenes

Concen: 0.631 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. 0.000 min

Lab File: VN070833.D

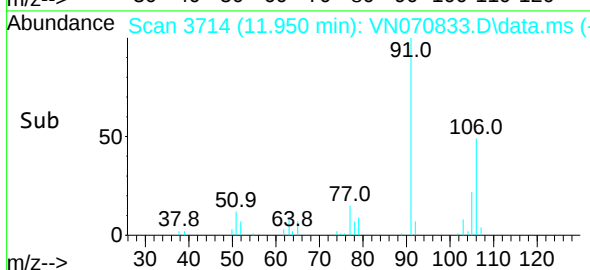
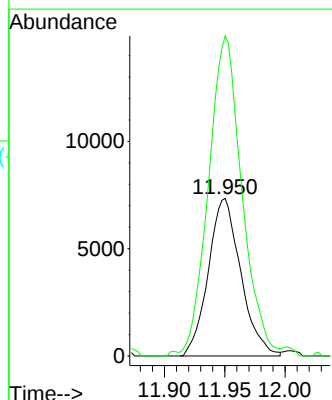
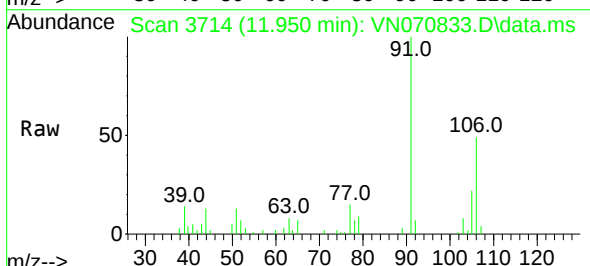
Acq: 28 Jan 2022 17:01

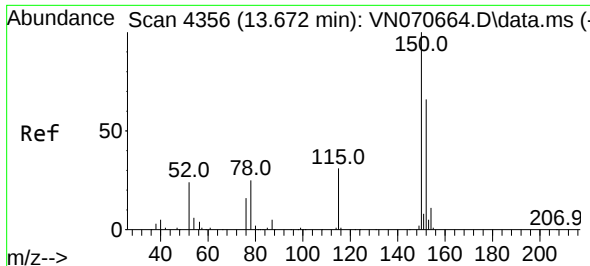
Tgt Ion:106 Resp: 13773

Ion Ratio Lower Upper

106 100

91 209.4 160.6 240.8

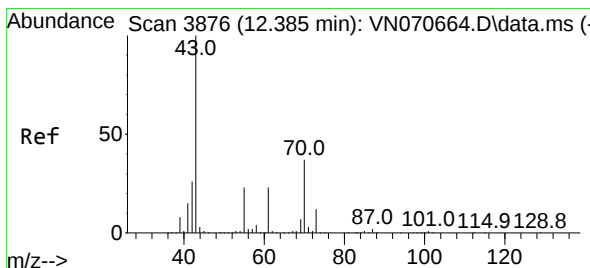
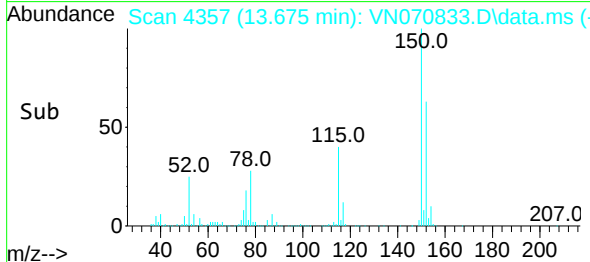
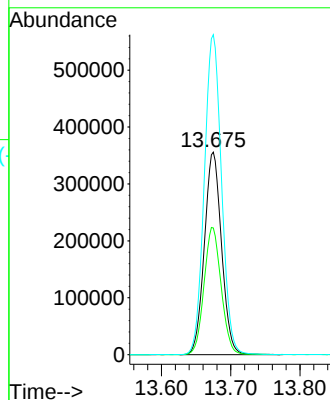
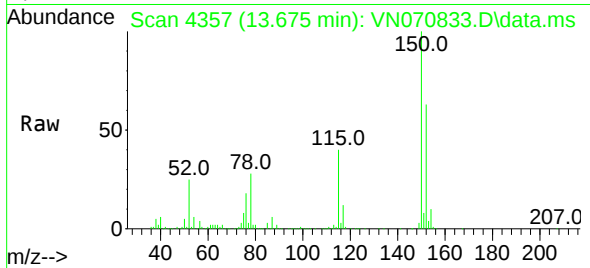




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

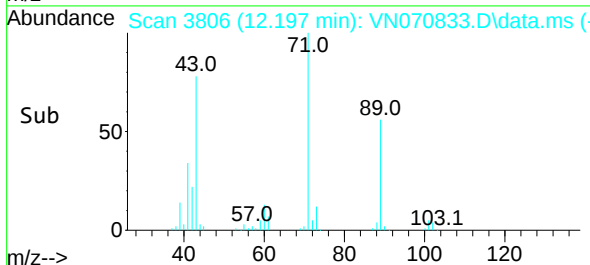
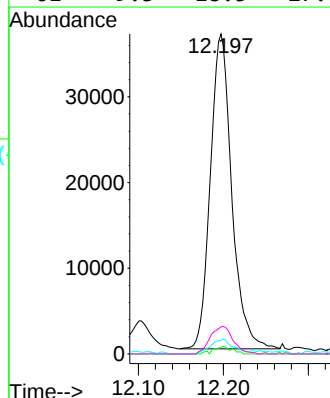
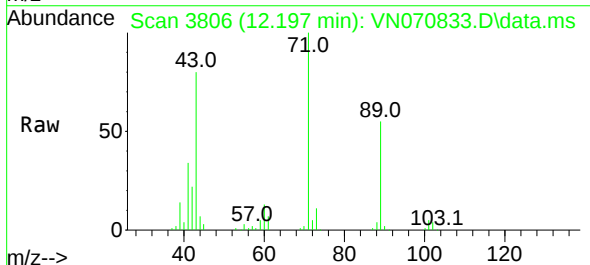
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

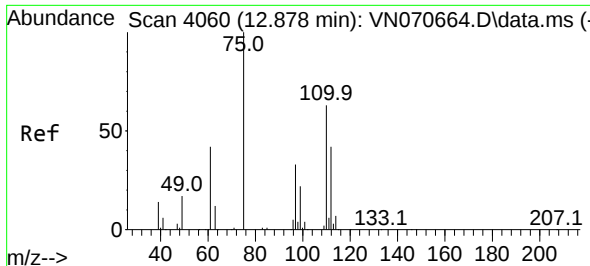
Tgt Ion:152 Resp: 613122
Ion Ratio Lower Upper
152 100
115 62.6 27.5 82.5
150 158.7 0.0 344.4



#74
N-ethyl acetate
Concen: 2.717 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.188 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 43 Resp: 64441
Ion Ratio Lower Upper
43 100
70 2.1 33.4 50.0#
55 4.9 19.3 28.9#
61 9.3 18.5 27.7#

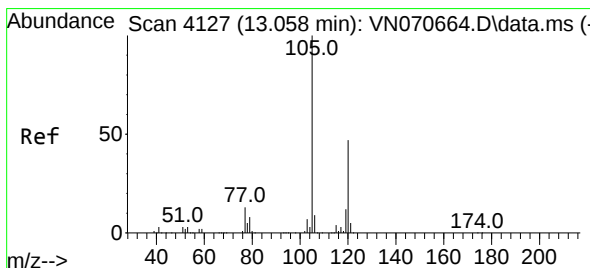
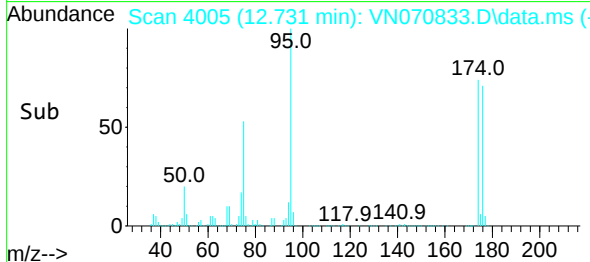
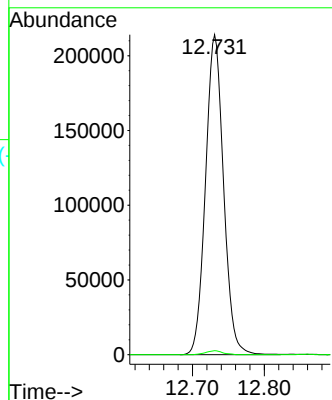
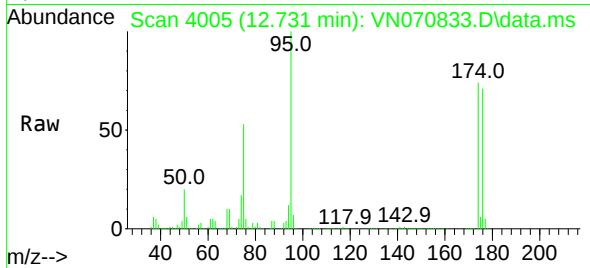




#76
1,2,3-Trichloropropane
Concen: 22.939 ug/l
RT: 12.731 min Scan# 4060
Delta R.T. -0.147 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

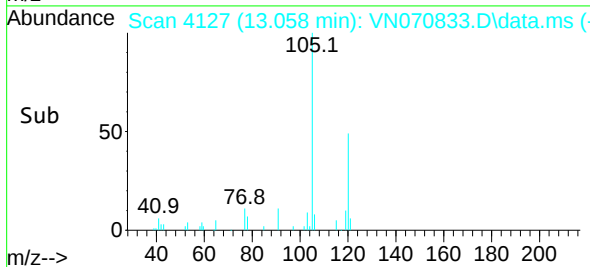
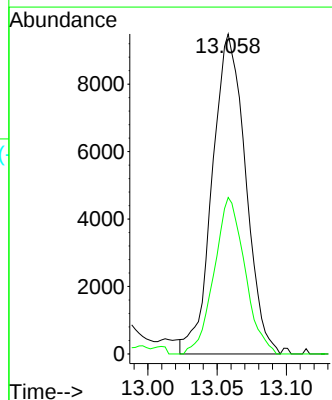
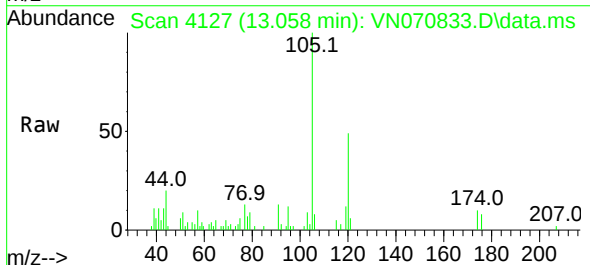
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

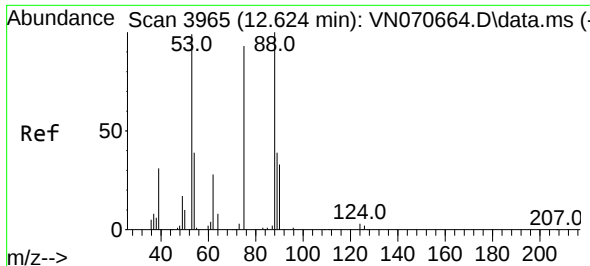
Tgt Ion: 75 Resp: 373028
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.337 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion: 105 Resp: 15808
Ion Ratio Lower Upper
105 100
120 45.2 24.6 73.6

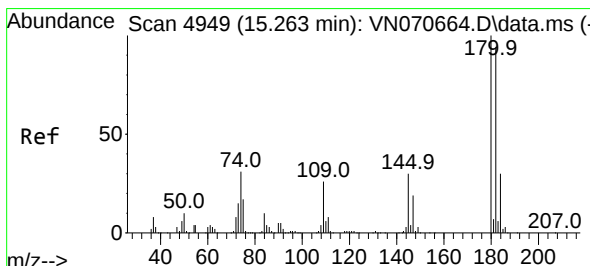
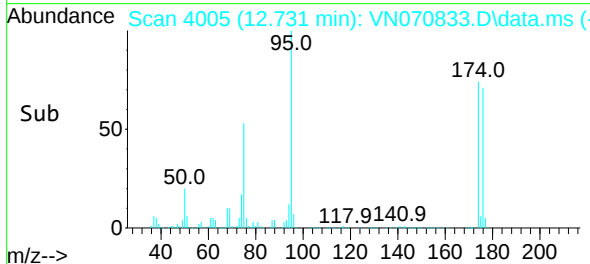
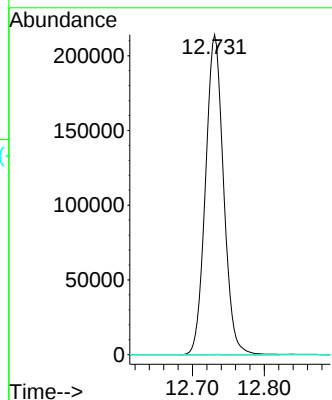
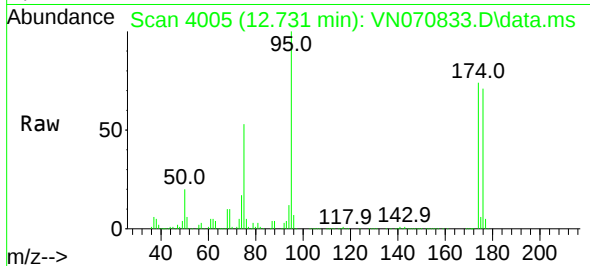




#81
trans-1,4-Dichloro-2-butene
Concen: 68.340 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

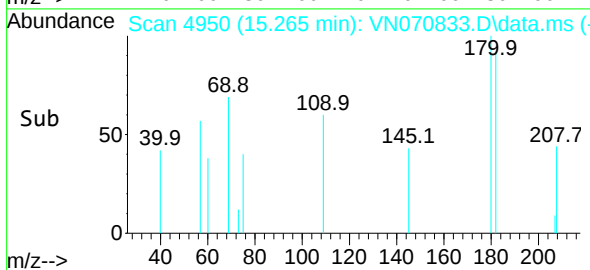
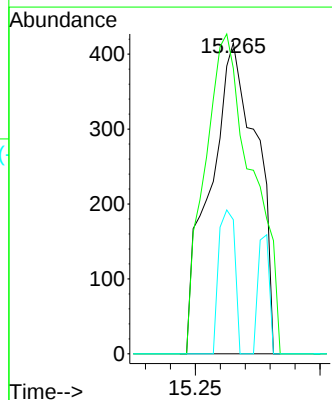
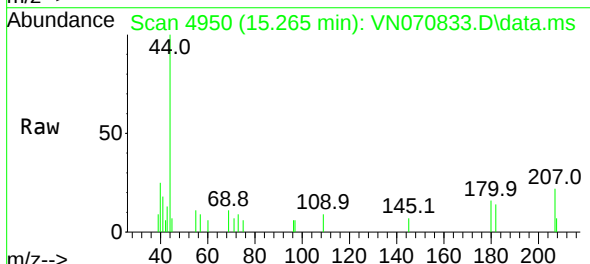
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#10

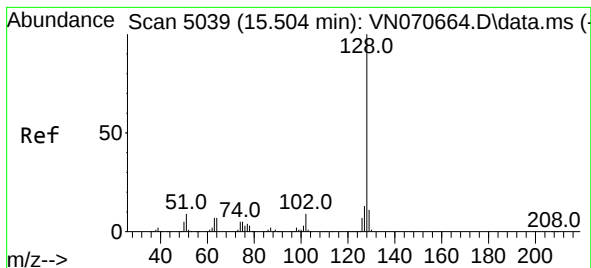
Tgt Ion: 75 Resp: 373028
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.469 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070833.D
Acq: 28 Jan 2022 17:01

Tgt Ion:180 Resp: 538
Ion Ratio Lower Upper
180 100
182 105.4 48.3 144.9
145 16.2 14.5 43.5





#95

Naphthalene

Concen: 5.102 ug/l

RT: 15.509 min Scan# 5109

Delta R.T. 0.005 min

Lab File: VN070833.D

Acq: 28 Jan 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#10

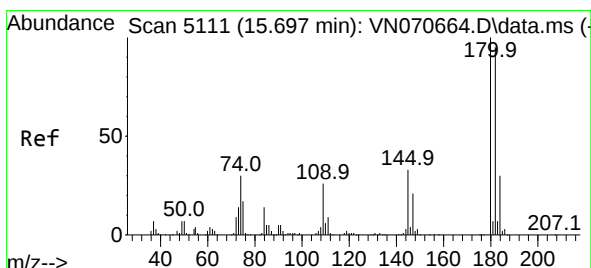
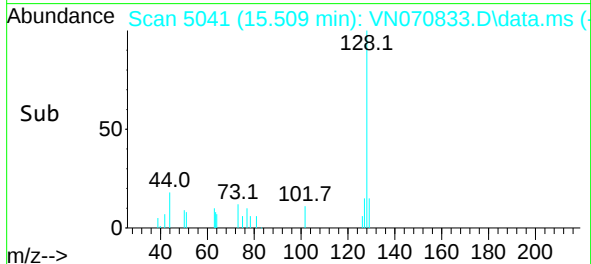
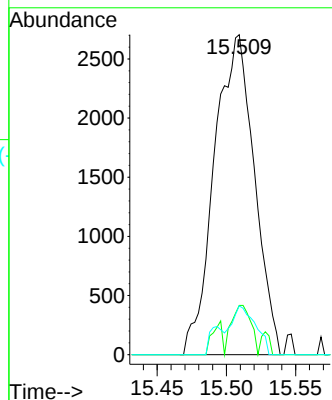
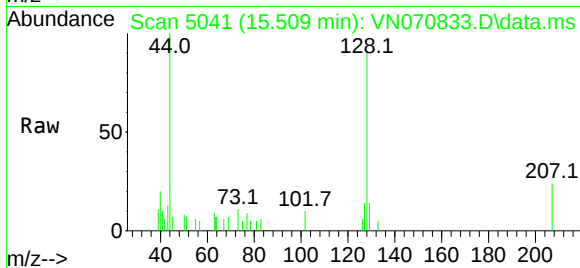
Tgt Ion:128 Resp: 5427

Ion Ratio Lower Upper

128 100

127 7.5 10.5 15.7#

129 9.2 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 3.252 ug/l

RT: 15.692 min Scan# 5109

Delta R.T. -0.005 min

Lab File: VN070833.D

Acq: 28 Jan 2022 17:01

Tgt Ion:180 Resp: 413

Ion Ratio Lower Upper

180 100

182 77.7 47.4 142.2

145 41.9 15.0 45.1

