

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070841.D
 Acq On : 28 Jan 2022 20:25
 Operator : JC/MD
 Sample : PB142316ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#04

Quant Time: Jan 28 23:19:37 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)

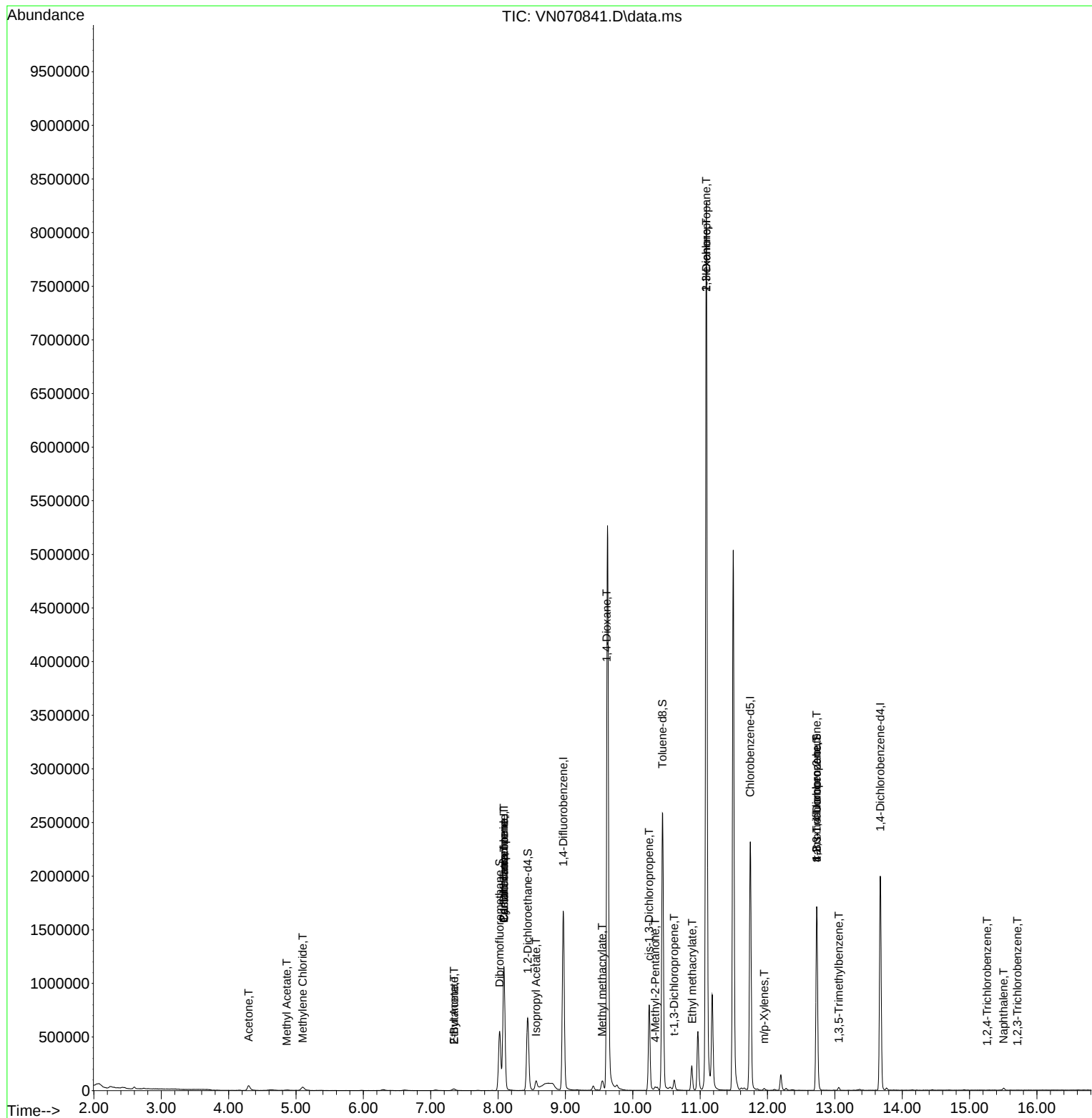
Internal Standards						
1) Pentafluorobenzene	8.088	168	864100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1448885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1362267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	549765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	599710	48.427	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.860%		
35) Dibromofluoromethane	8.021	113	417881	46.496	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.000%		
50) Toluene-d8	10.440	98	1821592	48.111	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.220%		
62) 4-Bromofluorobenzene	12.731	95	636540	47.180	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.360%		
Target Compounds					Qvalue	
16) Acetone	4.296	43	87259	10.152	ug/l	99
18) Methyl Acetate	4.864	43	6890	0.408	ug/l #	74
20) Methylene Chloride	5.100	84	21725	1.919	ug/l	89
25) 2-Butanone	7.345	43	26154	2.418	ug/l #	88
30) Chloroform	8.080	83	31	Below Cal	#	18
31) Cyclohexane	8.085	56	19926	0.914	ug/l #	1
36) 1,1-Dichloropropene	8.085	75	71160	4.703	ug/l #	49
37) Ethyl Acetate	7.345	43	26154	1.302	ug/l #	68
38) Carbon Tetrachloride	8.088	117	88150	6.549	ug/l #	17
43) Isopropyl Acetate	8.563	43	116379	3.793	ug/l #	84
48) Methyl methacrylate	9.544	41	26551	1.817	ug/l #	8
49) 1,4-Dioxane	9.614	88	353	1.608	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	13533	0.691	ug/l #	79
53) t-1,3-Dichloropropene	10.615	75	139	2.411	ug/l #	85
54) cis-1,3-Dichloropropene	10.242	75	141997	7.810	ug/l #	61
56) Ethyl methacrylate	10.880	69	1442	2.367	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	85406	4.379	ug/l #	43
59) 2-Hexanone	11.092	43	1418384	99.731	ug/l #	49
68) m/p-Xylenes	11.950	106	5058	0.254	ug/l	88
76) 1,2,3-Trichloropropane	12.731	75	339389	23.276	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	13182	0.313	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.731	75	339389	69.342	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	54	3.430	ug/l #	1
95) Naphthalene	15.504	128	18750	5.541	ug/l	98
96) 1,2,3-Trichlorobenzene	15.708	180	102	3.226	ug/l #	10

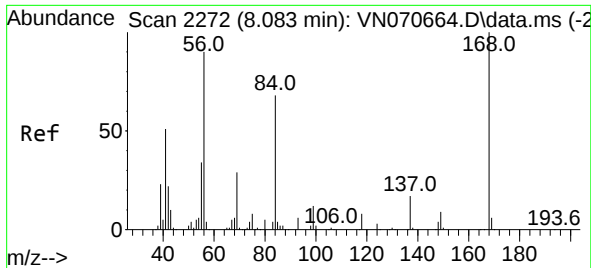
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
Data File : VN070841.D
Acq On : 28 Jan 2022 20:25
Operator : JC/MD
Sample : PB142316ZHE#04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

Quant Time: Jan 28 23:19:37 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

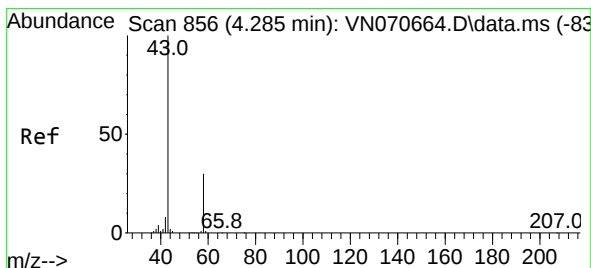
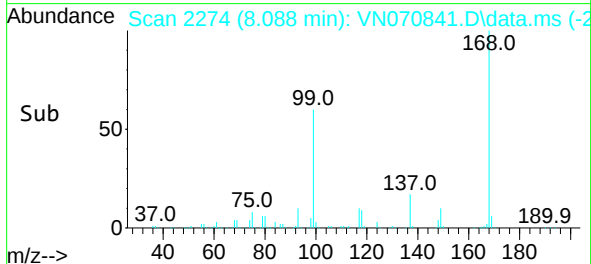
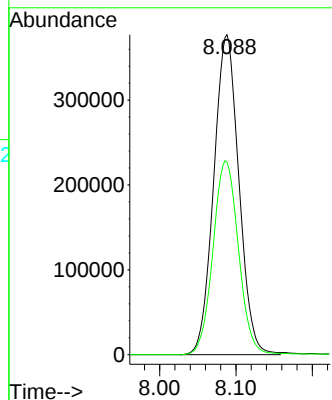
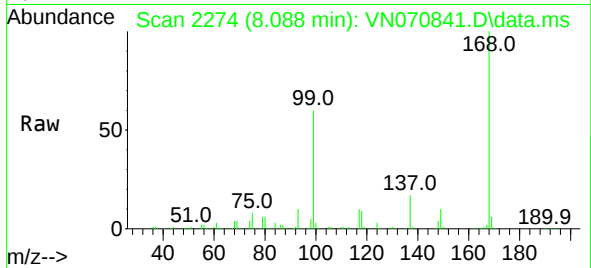




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

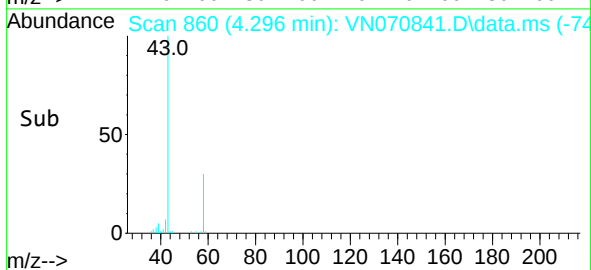
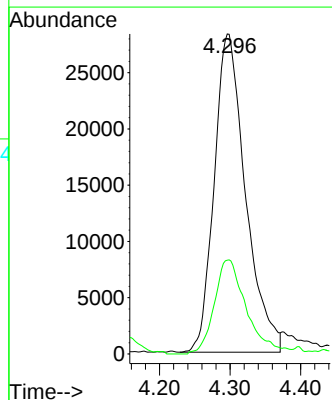
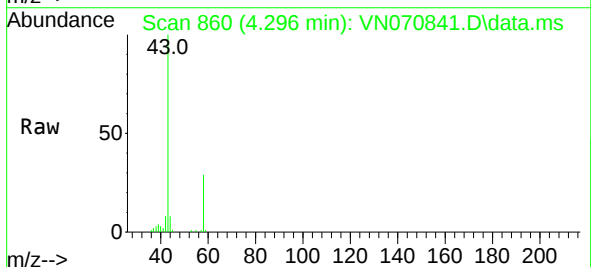
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

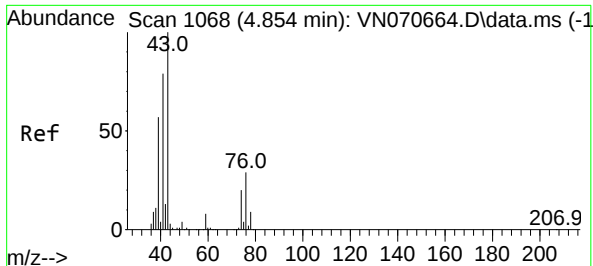
Tgt Ion:168 Resp: 864100
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#16
Acetone
Concen: 10.152 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 43 Resp: 87259
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7





#18

Methyl Acetate

Concen: 0.408 ug/l

RT: 4.864 min Scan# 1160

Delta R.T. 0.010 min

Lab File: VN070841.D

Acq: 28 Jan 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

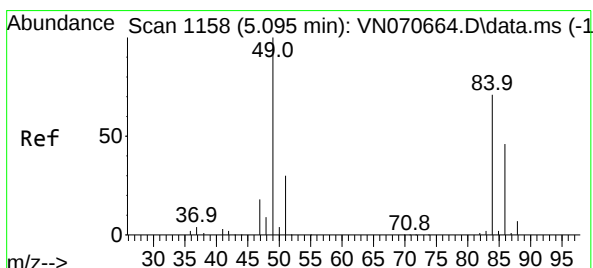
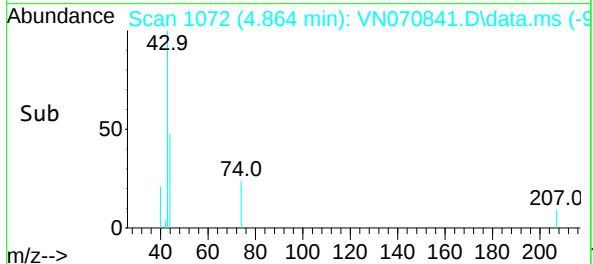
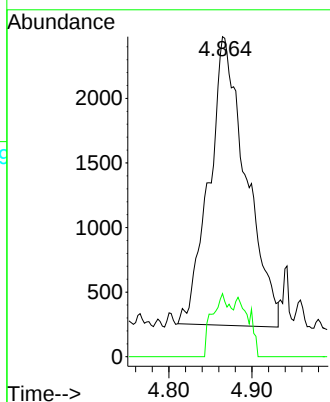
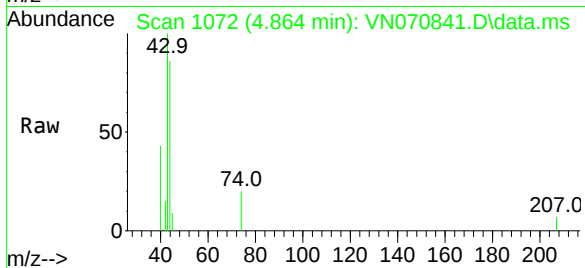
PB142316ZHE#04

Tgt Ion: 43 Resp: 6890

Ion Ratio Lower Upper

43 100

74 11.4 19.4 29.2#



#20

Methylene Chloride

Concen: 1.919 ug/l

RT: 5.100 min Scan# 1160

Delta R.T. 0.005 min

Lab File: VN070841.D

Acq: 28 Jan 2022 20:25

Tgt Ion: 84 Resp: 21725

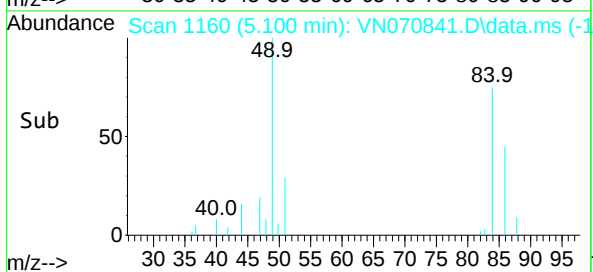
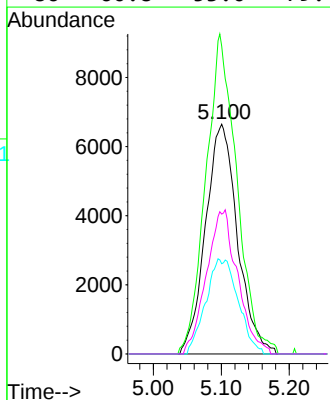
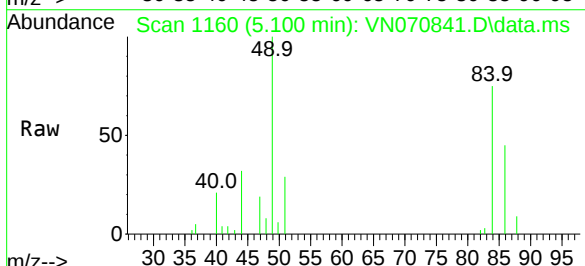
Ion Ratio Lower Upper

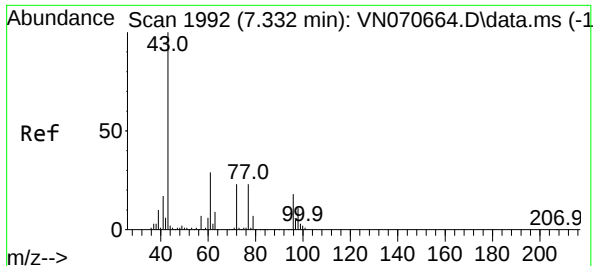
84 100

49 133.9 93.5 140.3

51 39.3 29.4 44.2

86 60.8 53.0 79.4





#25

2-Butanone

Concen: 2.418 ug/l

RT: 7.345 min Scan# 1992

Delta R.T. 0.013 min

Lab File: VN070841.D

Acq: 28 Jan 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

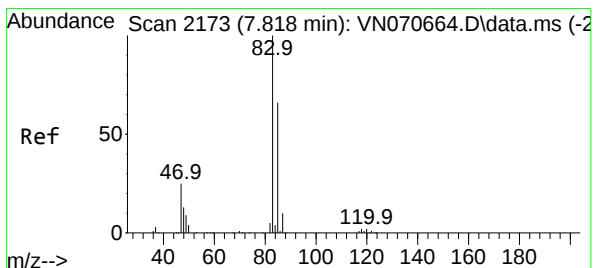
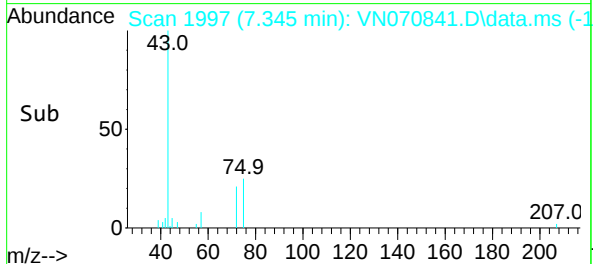
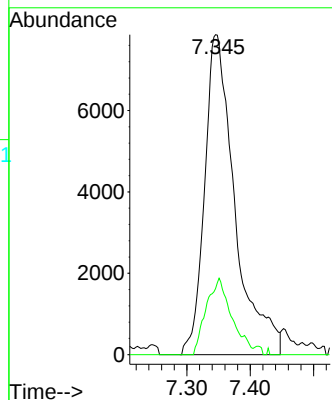
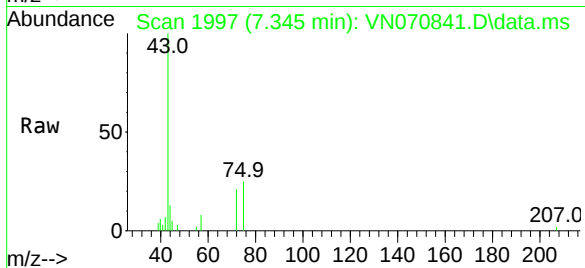
PB142316ZHE#04

Tgt Ion: 43 Resp: 26154

Ion Ratio Lower Upper

43 100

72 20.7 21.7 32.5#



#30

Chloroform

Concen: Below Cal

RT: 8.080 min Scan# 2271

Delta R.T. 0.262 min

Lab File: VN070841.D

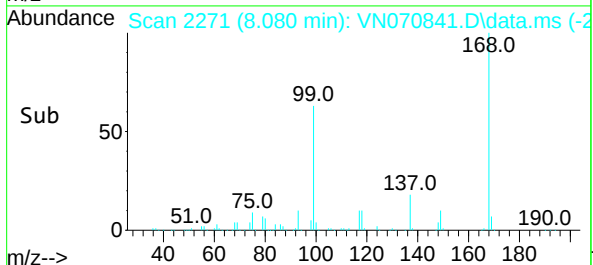
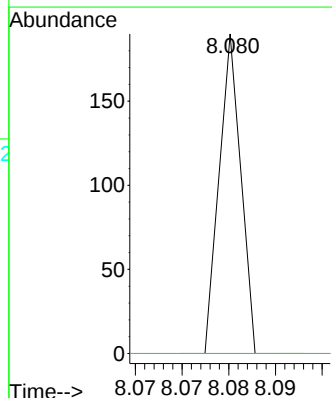
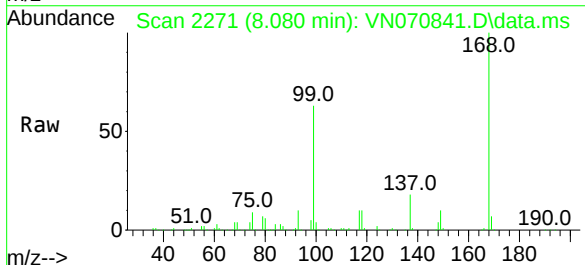
Acq: 28 Jan 2022 20:25

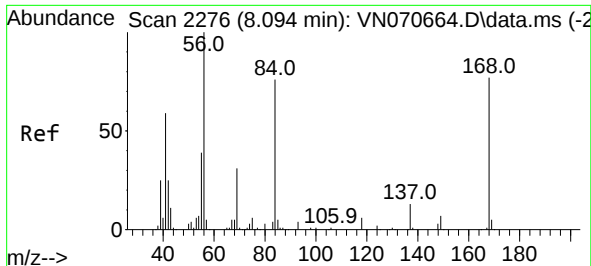
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#

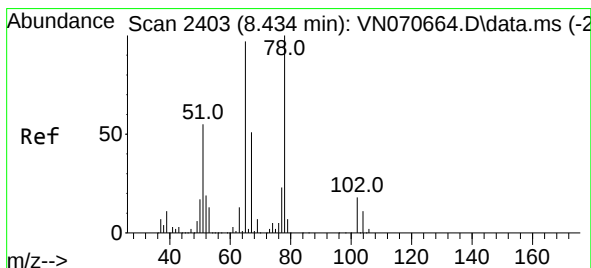
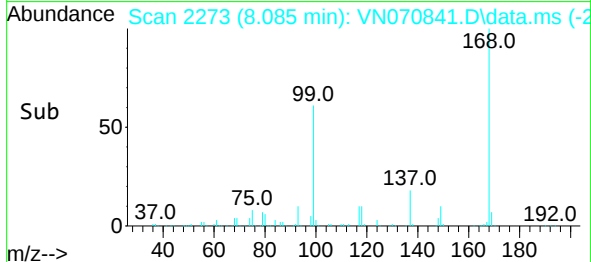
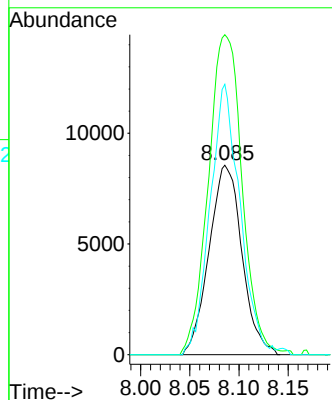
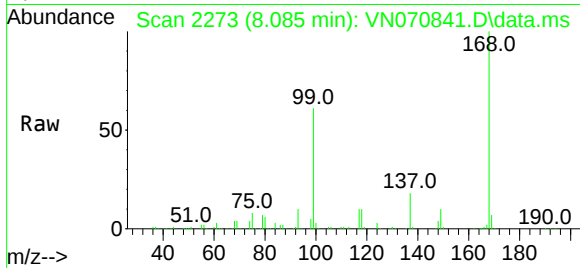




#31
Cyclohexane
Concen: 0.914 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

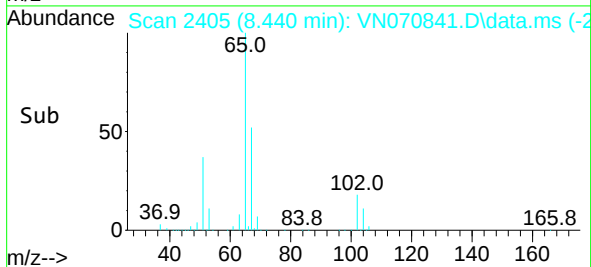
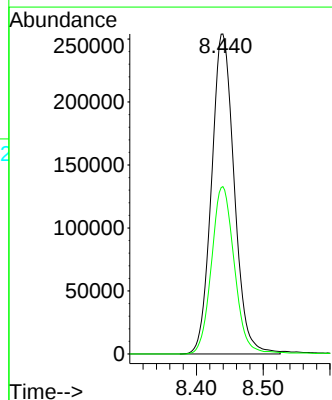
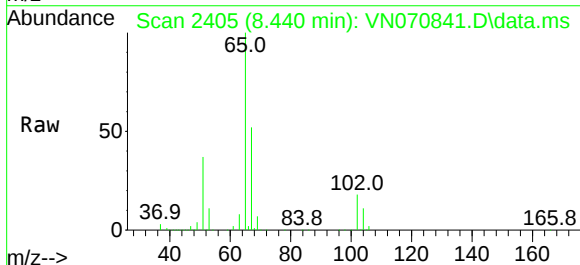
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

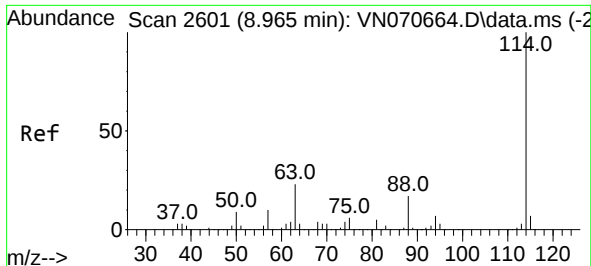
Tgt Ion: 56 Resp: 19926
Ion Ratio Lower Upper
56 100
69 169.0 27.1 40.7#
84 142.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.427 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.006 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 65 Resp: 599710
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: VN070841.D

Acq: 28 Jan 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#04

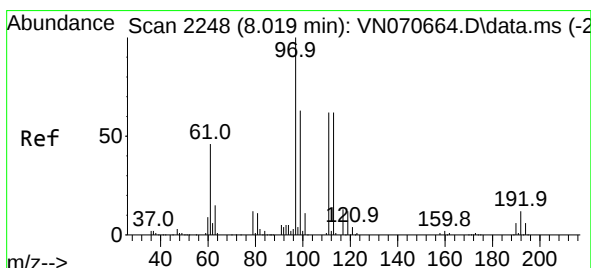
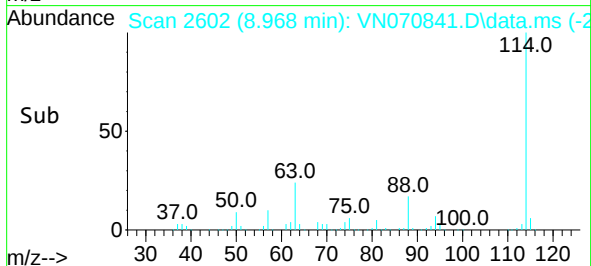
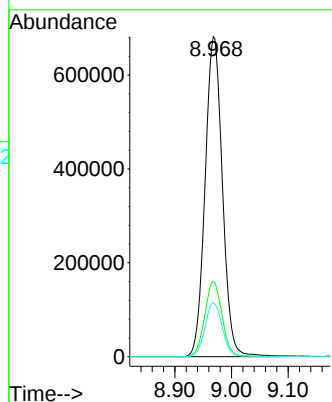
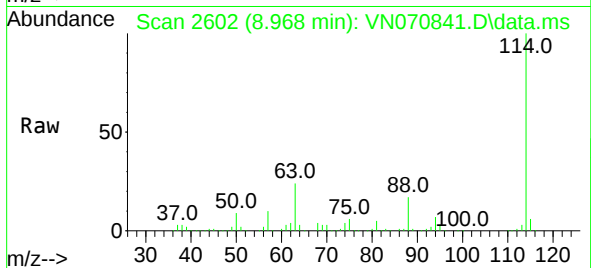
Tgt Ion:114 Resp: 1448885

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.8 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.496 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.002 min

Lab File: VN070841.D

Acq: 28 Jan 2022 20:25

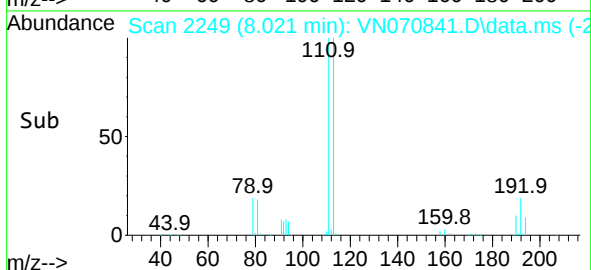
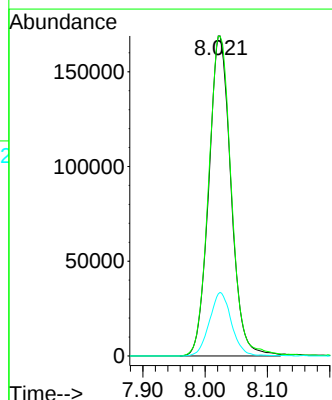
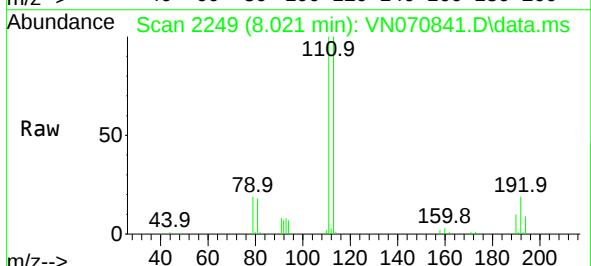
Tgt Ion:113 Resp: 417881

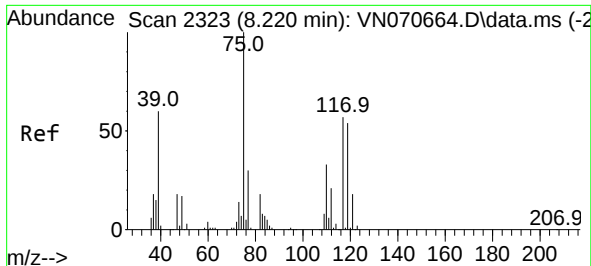
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

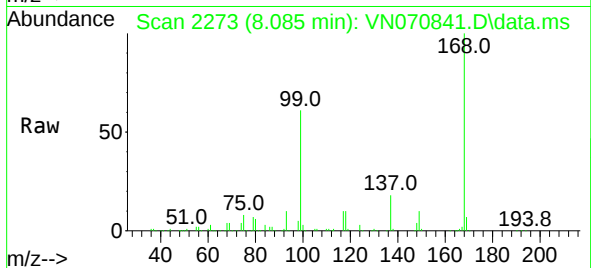
192 19.6 16.9 25.3



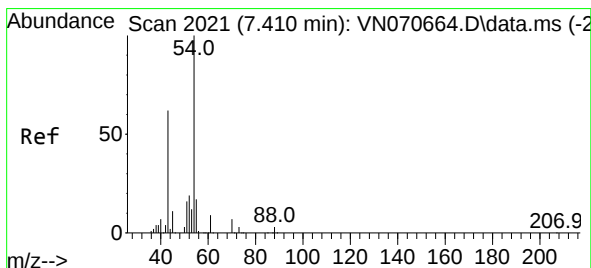
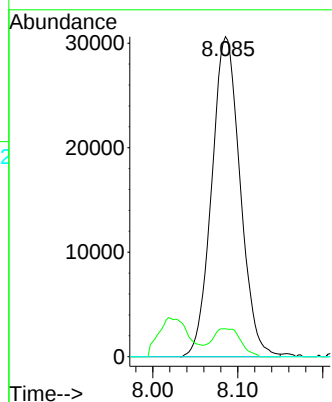
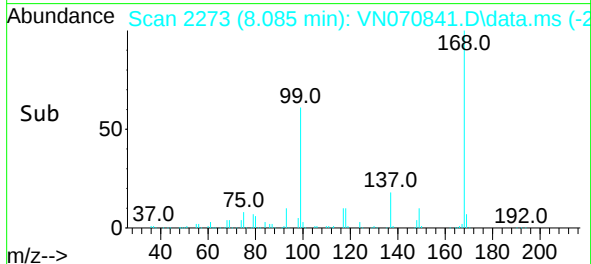


#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 8.085 min Scan# 21
 Delta R.T. -0.135 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#04

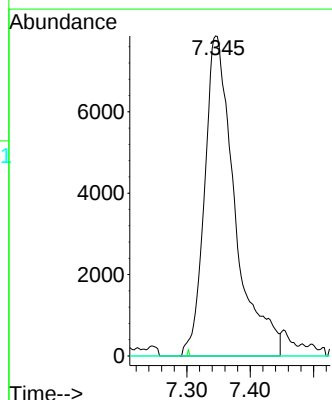
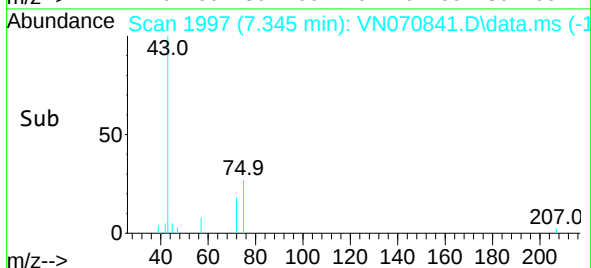
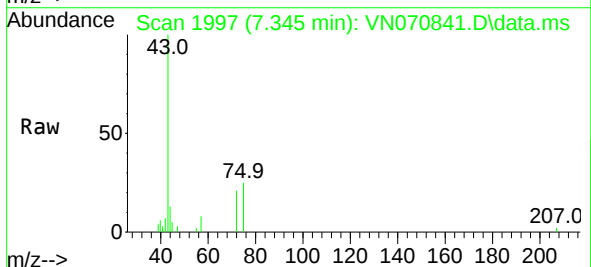


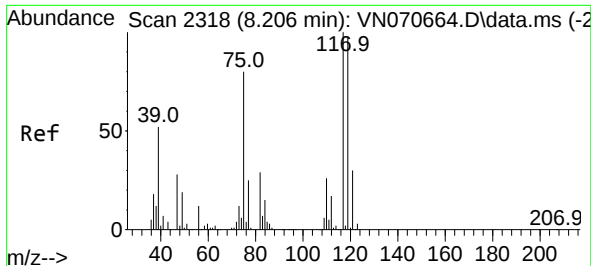
Tgt Ion: 75 Resp: 71160
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.302 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.065 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

Tgt Ion: 43 Resp: 26154
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#

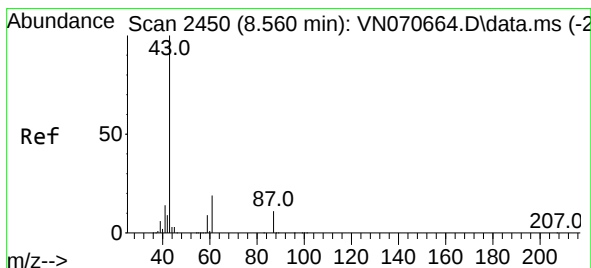
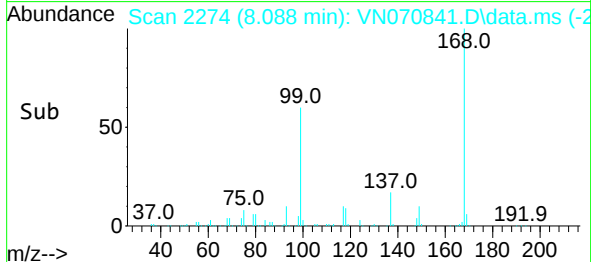
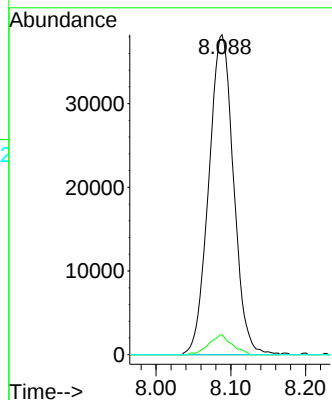
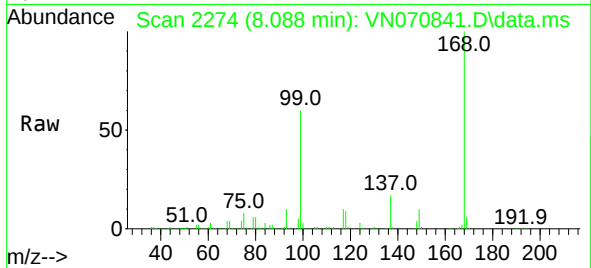




#38
Carbon Tetrachloride
Concen: 6.549 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

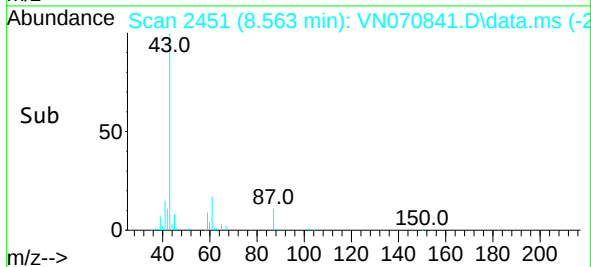
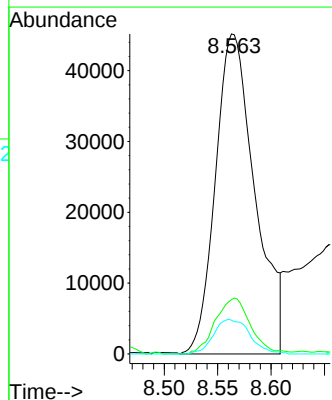
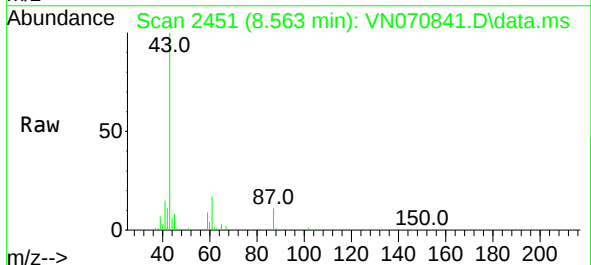
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

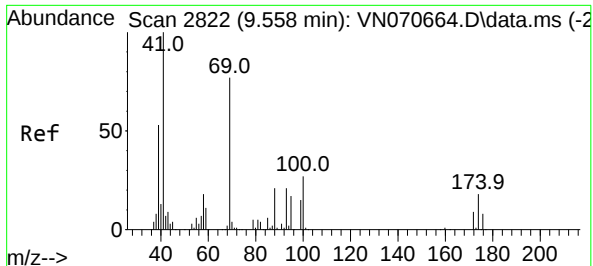
Tgt Ion:117 Resp: 88150
Ion Ratio Lower Upper
117 100
119 6.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.793 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 43 Resp: 116379
Ion Ratio Lower Upper
43 100
61 15.6 20.4 30.6#
87 9.9 11.2 16.8#

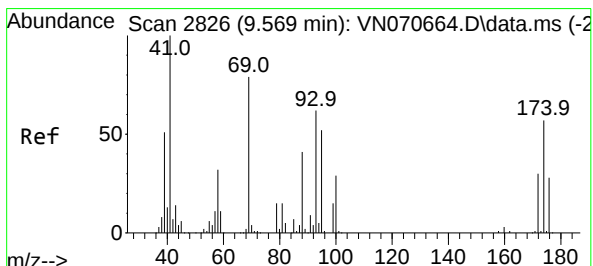
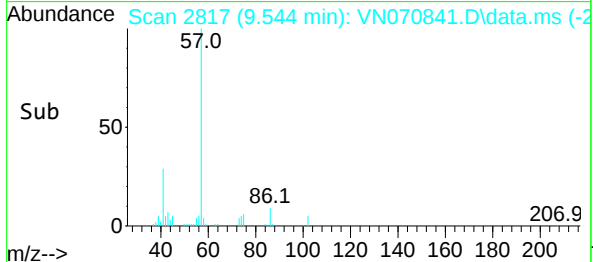
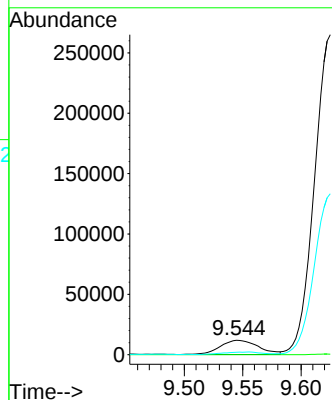
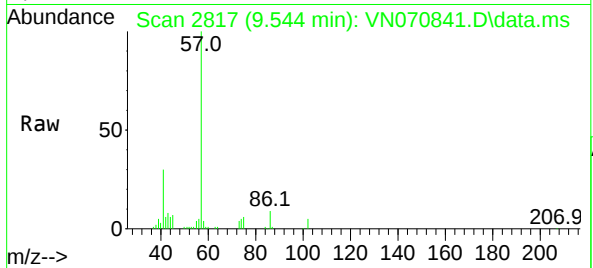




#48
Methyl methacrylate
Concen: 1.817 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.014 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

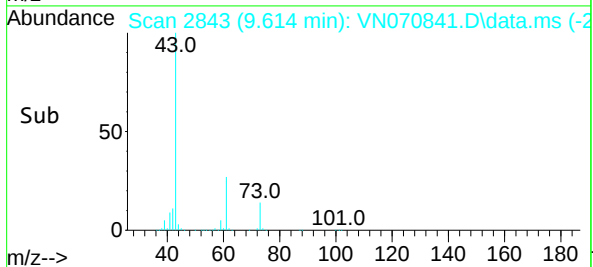
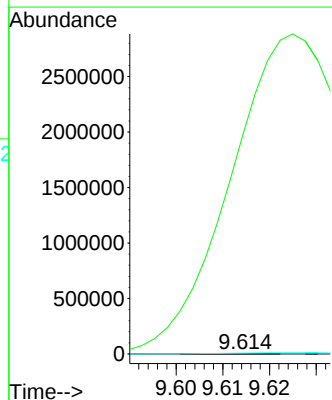
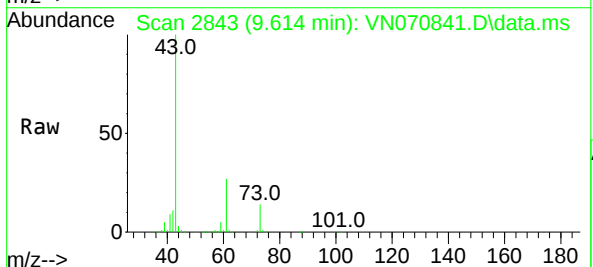
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

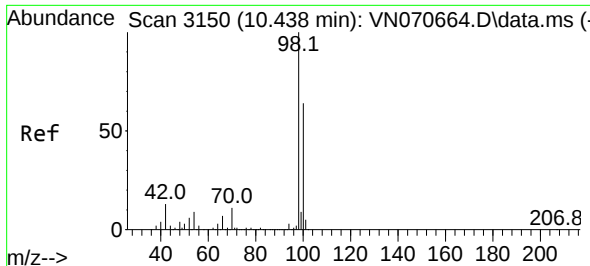
Tgt Ion: 41 Resp: 26551
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 1.608 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.045 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 88 Resp: 353
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

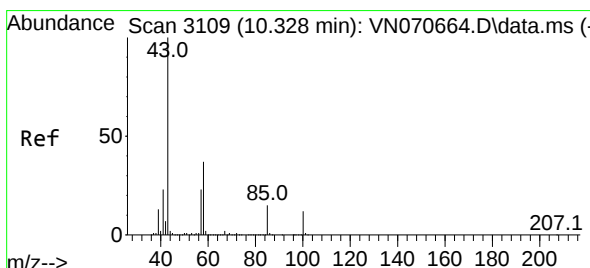
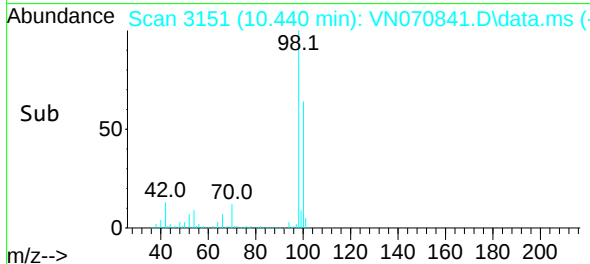
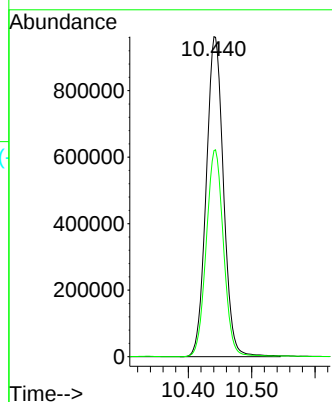
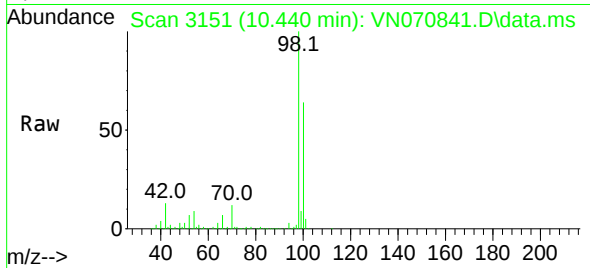




#50
Toluene-d8
Concen: 48.111 ug/l
RT: 10.440 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

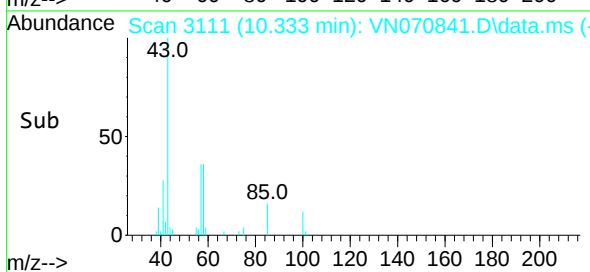
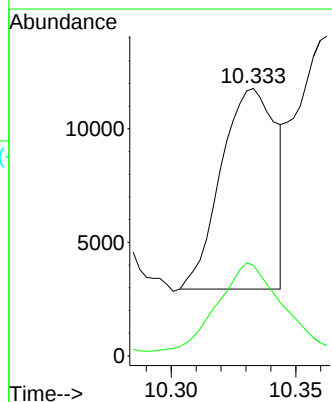
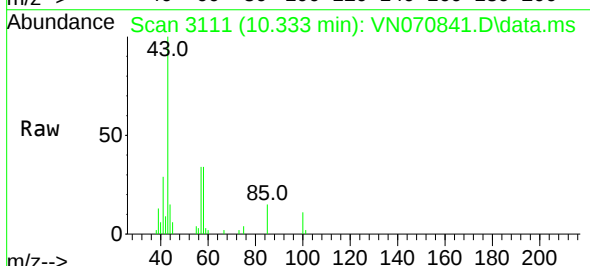
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

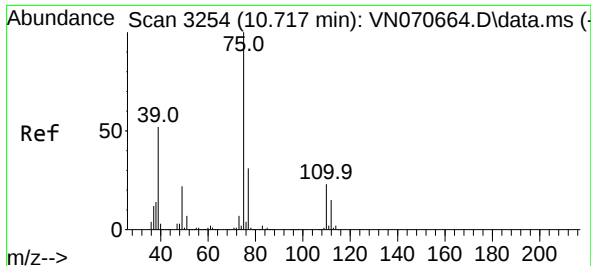
Tgt Ion: 98 Resp: 1821592
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.691 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 43 Resp: 13533
Ion Ratio Lower Upper
43 100
58 50.7 30.4 45.6#

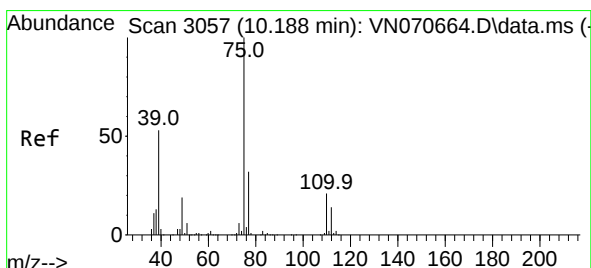
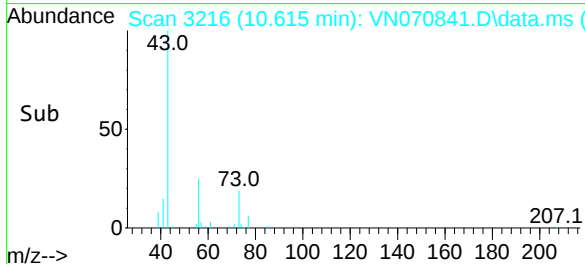
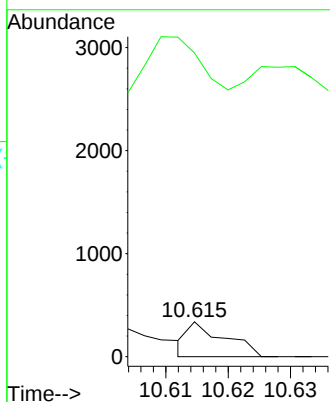
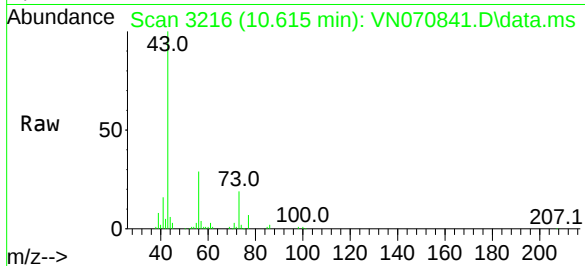




#53
t-1,3-Dichloropropene
Concen: 2.411 ug/l
RT: 10.615 min Scan# 31
Delta R.T. -0.102 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

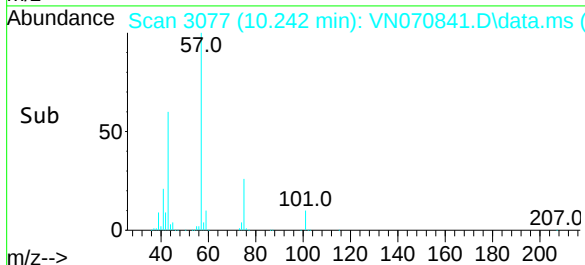
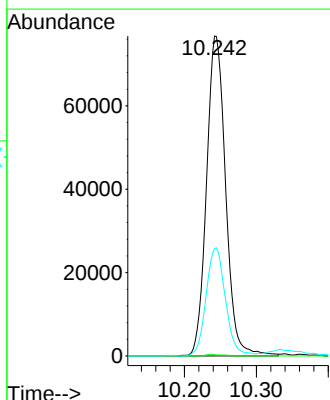
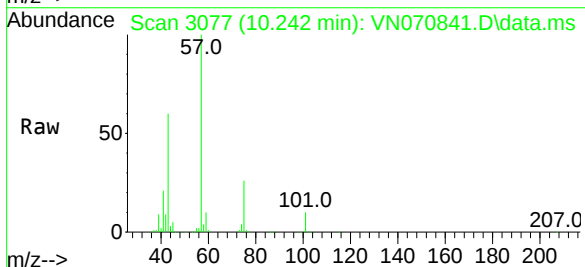
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

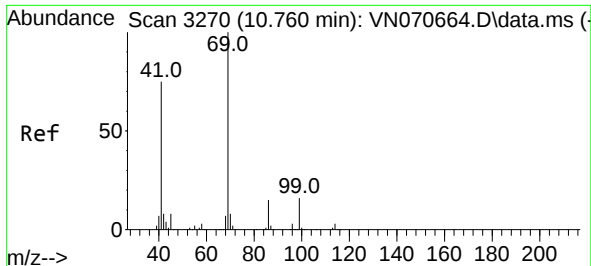
Tgt Ion: 75 Resp: 139
Ion Ratio Lower Upper
75 100
77 40.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 7.810 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 75 Resp: 141997
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 33.6 42.5 63.7#

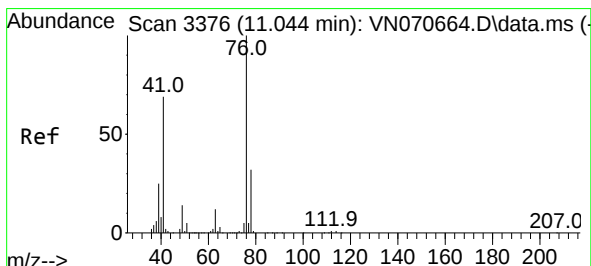
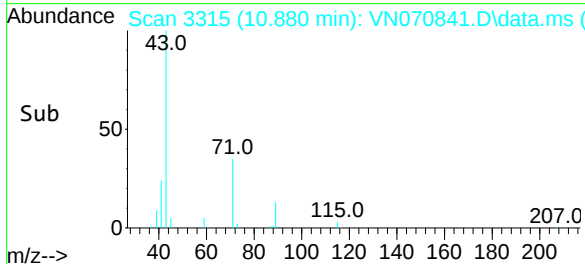
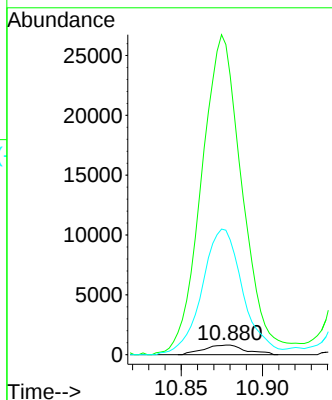
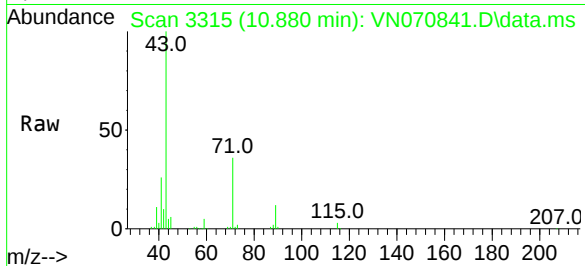




#56
Ethyl methacrylate
Concen: 2.367 ug/l
RT: 10.880 min Scan# 31
Delta R.T. 0.120 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

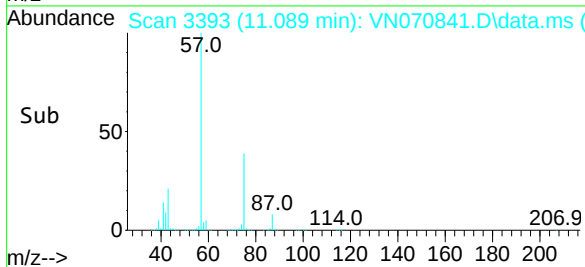
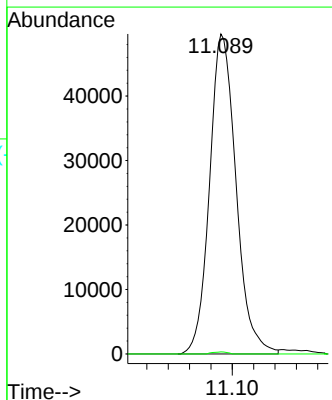
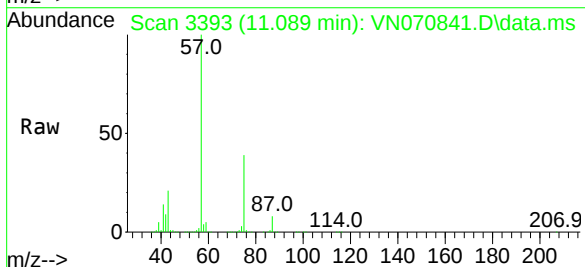
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

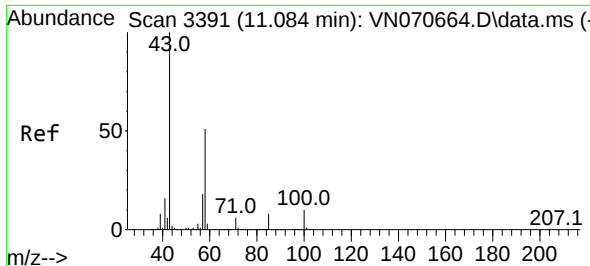
Tgt Ion: 69 Resp: 1442
Ion Ratio Lower Upper
69 100
41 3251.2 51.4 77.0#
39 1273.2 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.379 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 76 Resp: 85406
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

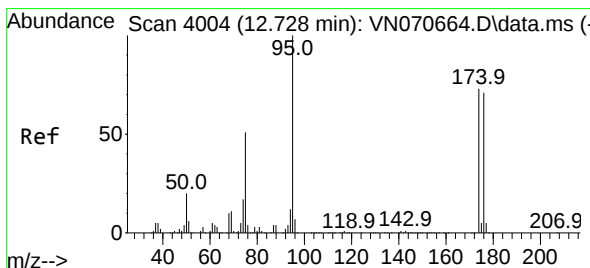
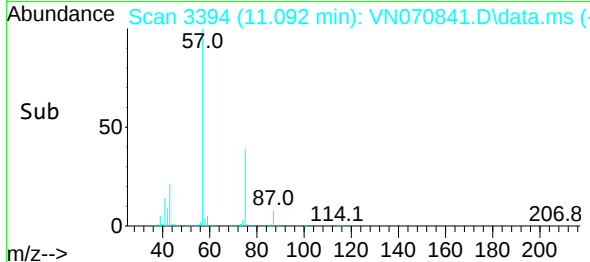
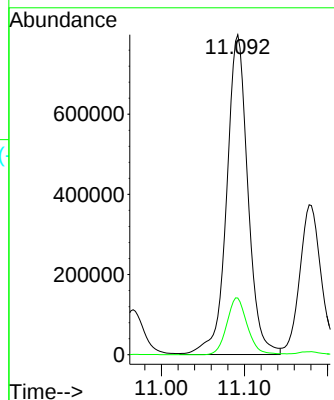
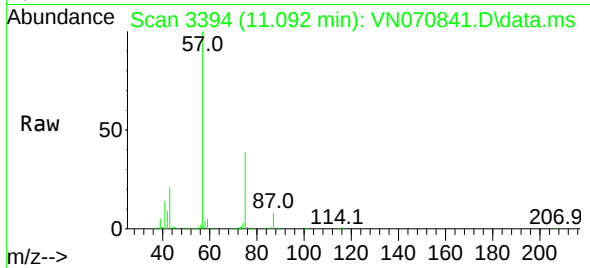




#59
2-Hexanone
Concen: 99.731 ug/l
RT: 11.092 min Scan# 311
Delta R.T. 0.008 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

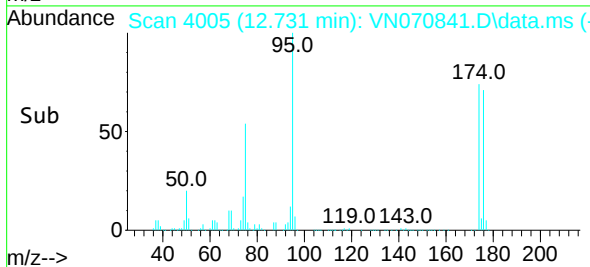
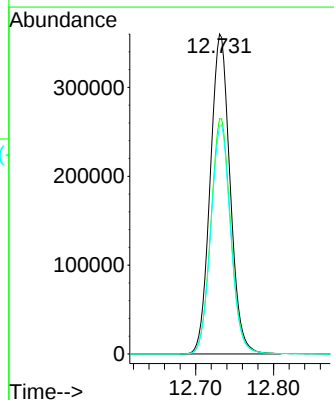
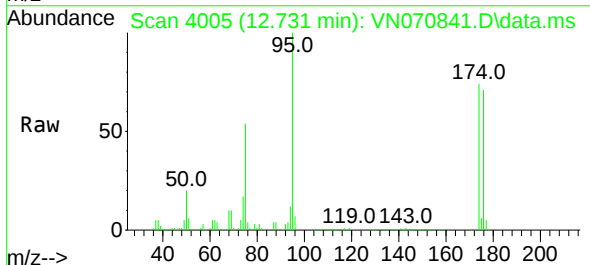
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#04

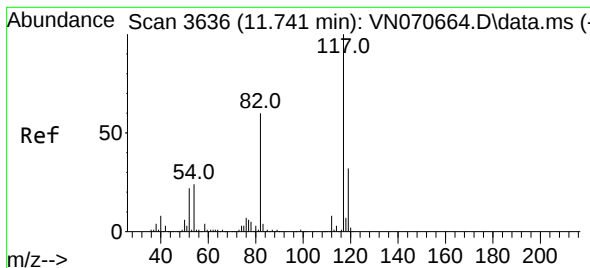
Tgt Ion: 43 Resp: 1418384
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.180 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070841.D
Acq: 28 Jan 2022 20:25

Tgt Ion: 95 Resp: 636540
Ion Ratio Lower Upper
95 100
174 73.9 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: VN070841.D

Acq: 28 Jan 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#04

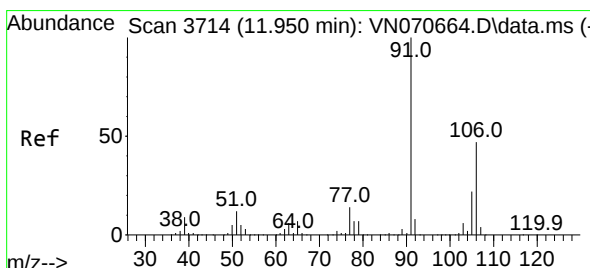
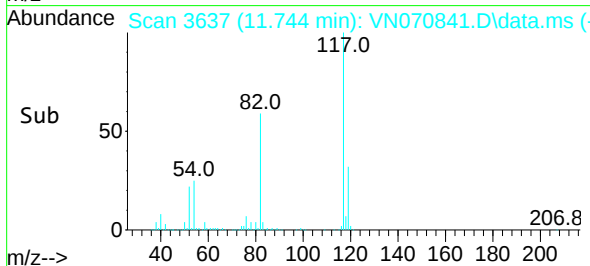
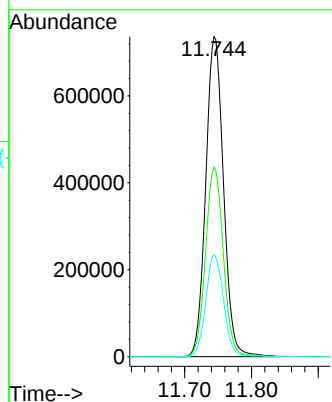
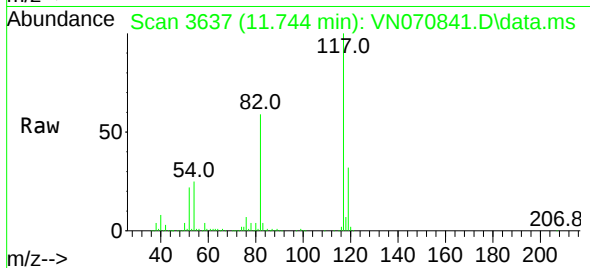
Tgt Ion:117 Resp: 1362267

Ion Ratio Lower Upper

117 100

82 59.1 42.4 63.6

119 31.9 25.4 38.2



#68

m/p-Xylenes

Concen: 0.254 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. 0.000 min

Lab File: VN070841.D

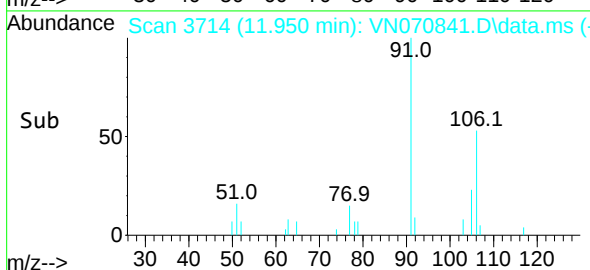
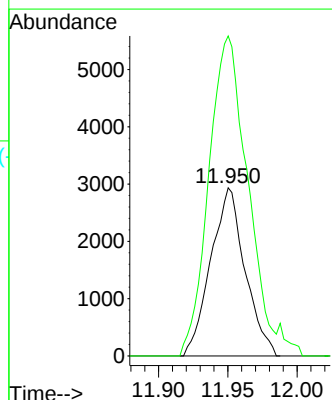
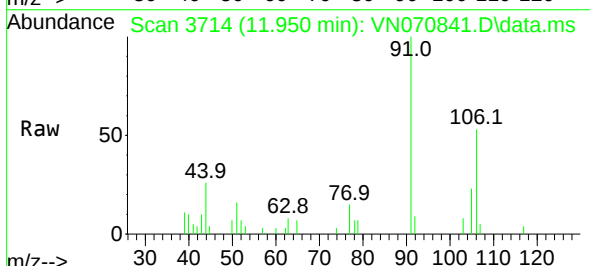
Acq: 28 Jan 2022 20:25

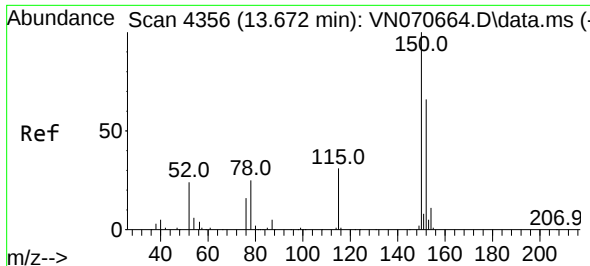
Tgt Ion:106 Resp: 5058

Ion Ratio Lower Upper

106 100

91 218.7 160.6 240.8

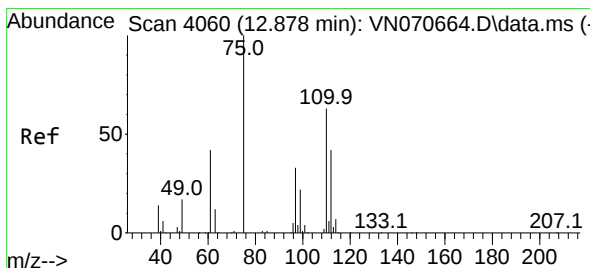
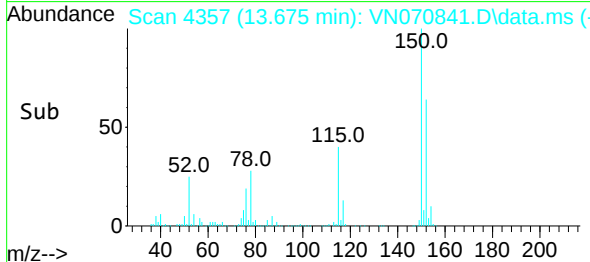
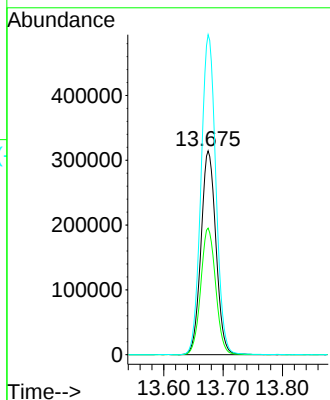
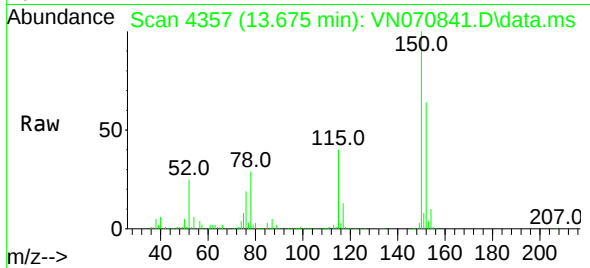




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

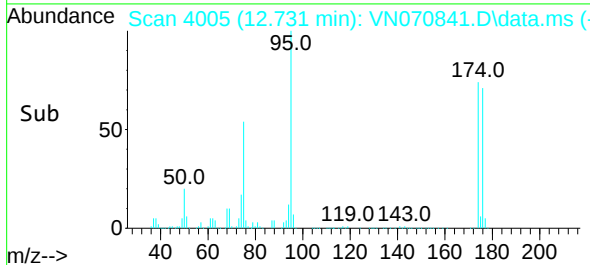
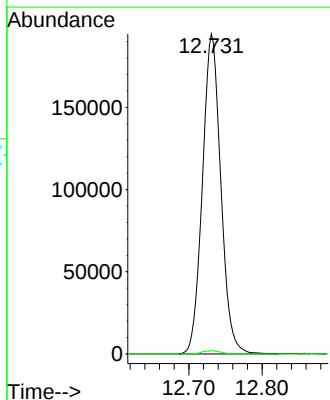
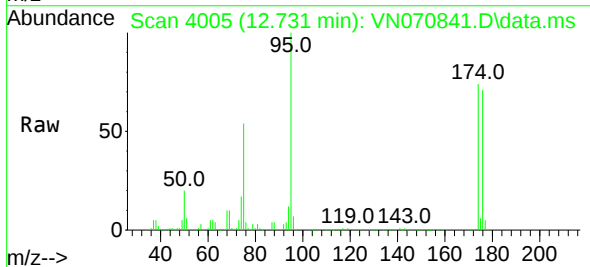
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#04

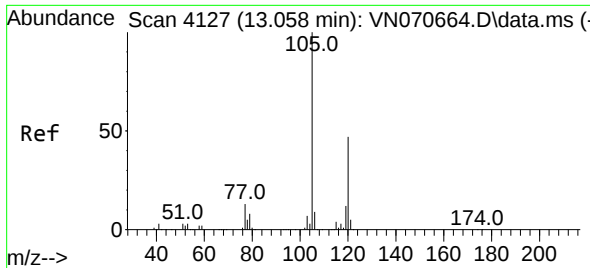
Tgt Ion:152 Resp: 549765
 Ion Ratio Lower Upper
 152 100
 115 62.0 27.5 82.5
 150 156.2 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.276 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

Tgt Ion: 75 Resp: 339389
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

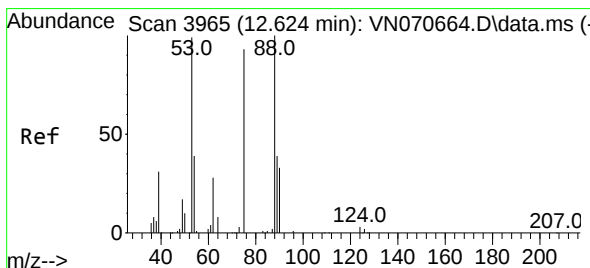
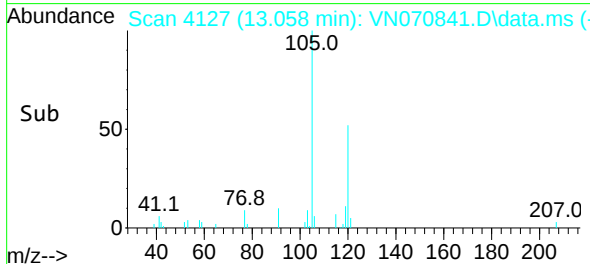
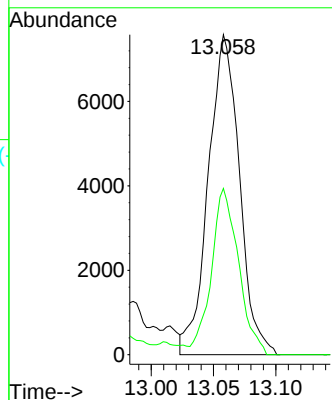
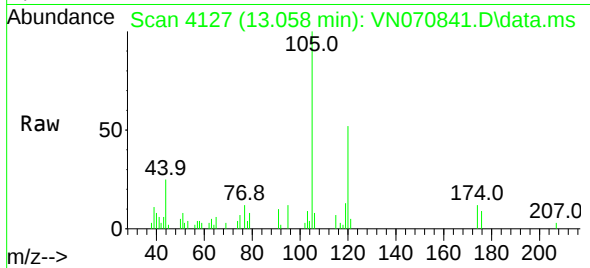




#80
 1,3,5-Trimethylbenzene
 Concen: 0.313 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.000 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

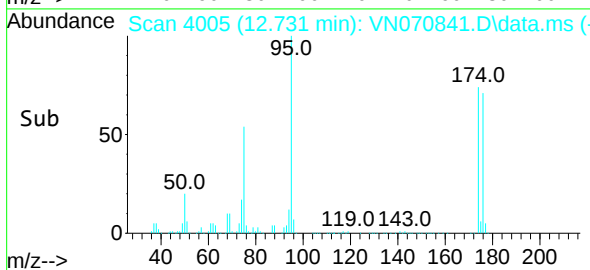
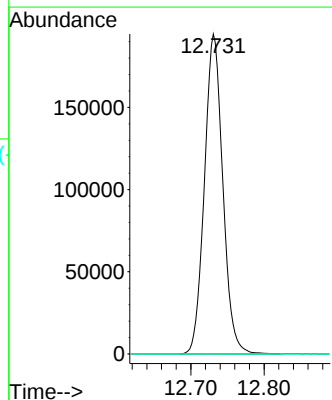
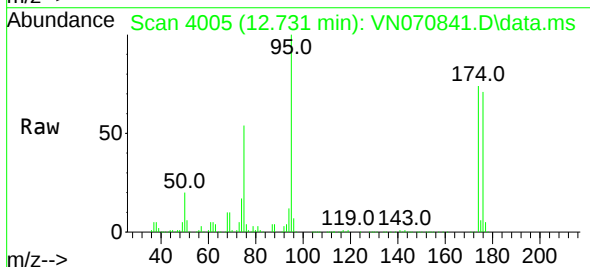
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#04

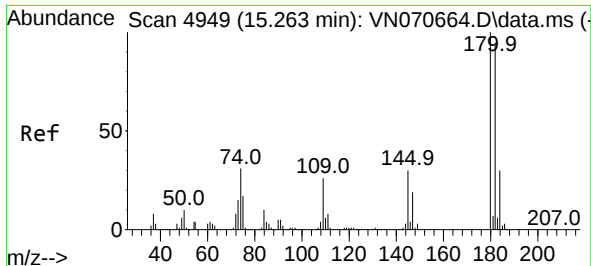
Tgt Ion:105 Resp: 13182
 Ion Ratio Lower Upper
 105 100
 120 45.3 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.342 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.107 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

Tgt Ion: 75 Resp: 339389
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

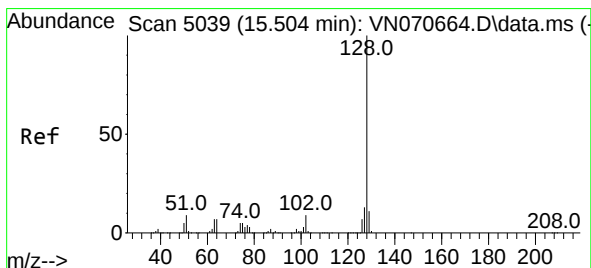
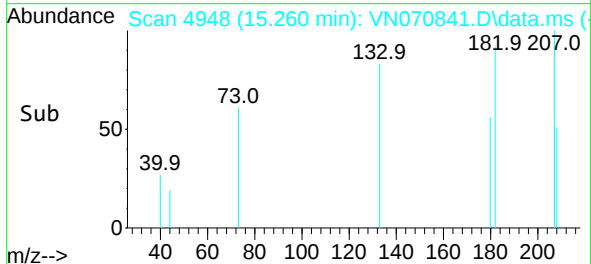
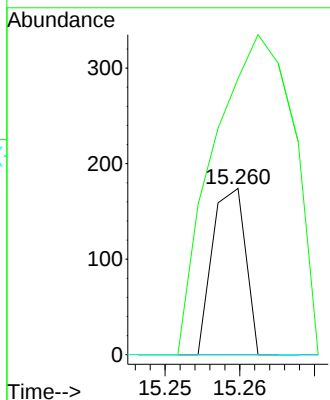
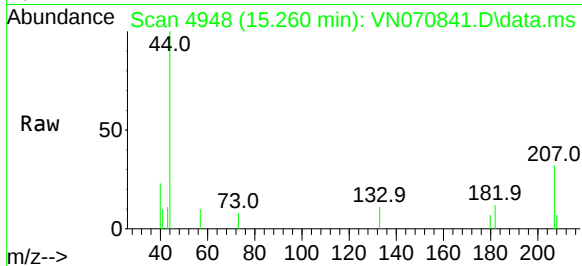




#93
 1,2,4-Trichlorobenzene
 Concen: 3.430 ug/l
 RT: 15.260 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

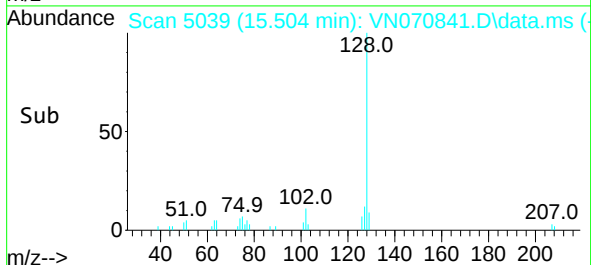
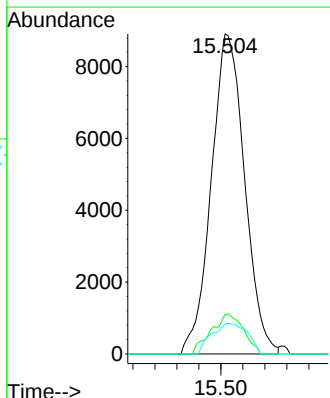
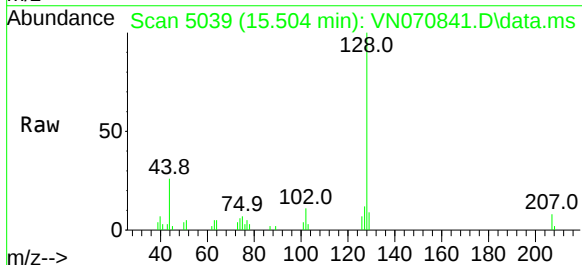
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#04

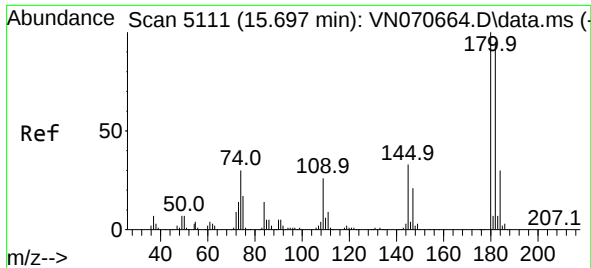
Tgt Ion:180 Resp: 54
 Ion Ratio Lower Upper
 180 100
 182 461.1 48.3 144.9#
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 5.541 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.000 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

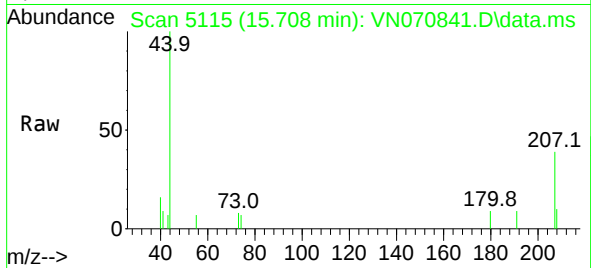
Tgt Ion:128 Resp: 18750
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.5 15.7
 129 10.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.226 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.011 min
 Lab File: VN070841.D
 Acq: 28 Jan 2022 20:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#04



Tgt Ion:180 Resp: 102
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 66.7 15.0 45.1#

