

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072014.D
 Acq On : 15 Apr 2022 20:27
 Operator : JC\MD
 Sample : PB144101ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#02

Quant Time: Apr 16 00:08:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

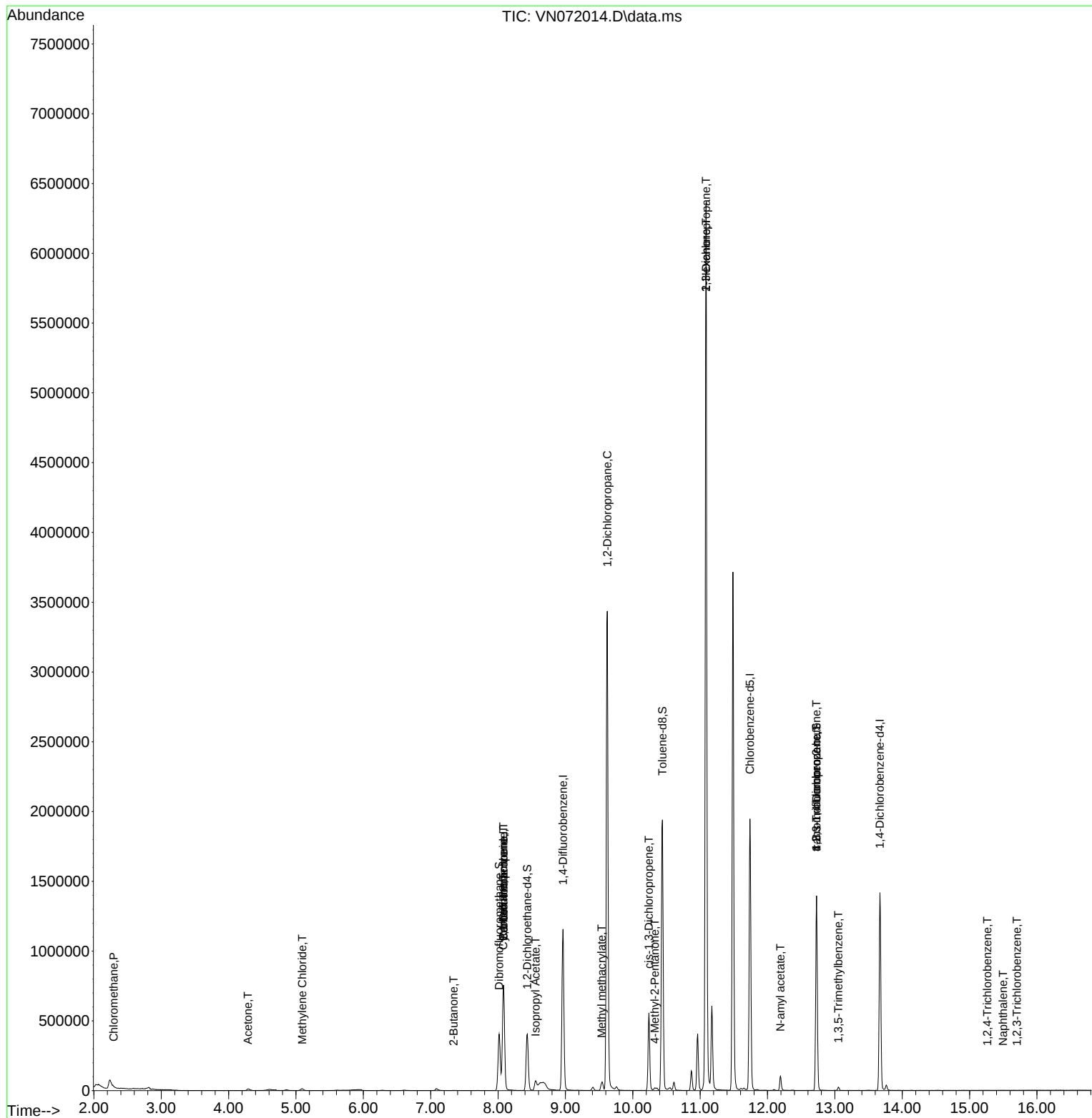
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	627031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1068303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1223597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	426601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	337987	47.216	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.440%
35) Dibromofluoromethane	8.016	113	301341	47.936	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.880%
50) Toluene-d8	10.439	98	1427417	55.507	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	111.020%
62) 4-Bromofluorobenzene	12.727	95	485812	58.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	116.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	2038	0.323	ug/l #	68
16) Acetone	4.287	43	18267	5.971	ug/l #	88
20) Methylene Chloride	5.093	84	11314	1.755	ug/l	94
25) 2-Butanone	7.340	43	3718	0.843	ug/l	92
31) Cyclohexane	8.075	56	10109	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	41544	4.732	ug/l #	48
38) Carbon Tetrachloride	8.081	117	55277	6.425	ug/l #	18
43) Isopropyl Acetate	8.557	43	81194	5.080	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	5162	0.745	ug/l #	44
48) Methyl methacrylate	9.539	41	15239	2.298	ug/l #	10
49) 1,4-Dioxane	9.622	88	647	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	11191	1.218	ug/l	94
54) cis-1,3-Dichloropropene	10.239	75	113203	10.558	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	73849	6.122	ug/l #	43
59) 2-Hexanone	11.086	43	851203	131.575	ug/l #	48
74) N-amyl acetate	12.192	43	30805	2.991	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	228958	23.168	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	11432	0.401	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	228958	71.797	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	112	2.102	ug/l #	1
95) Naphthalene	15.498	128	816	3.842	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	61	2.423	ug/l #	60

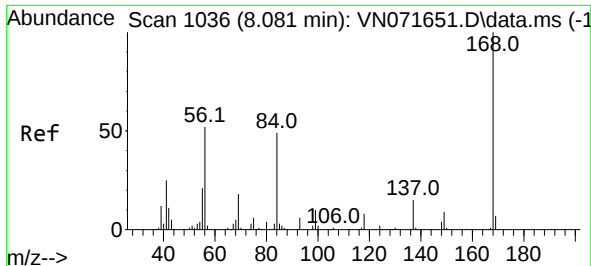
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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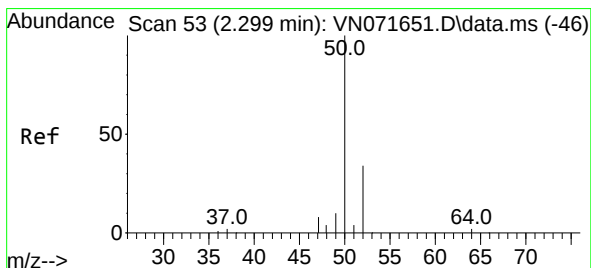
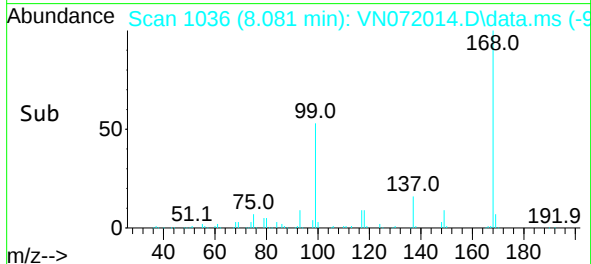
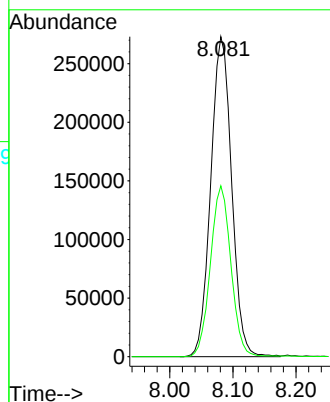
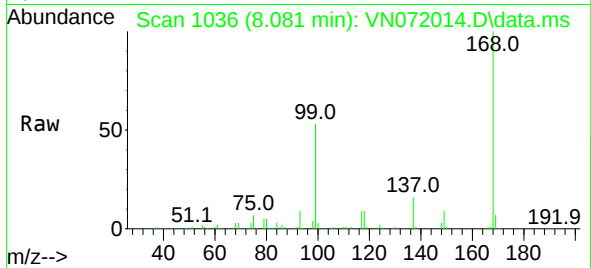




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

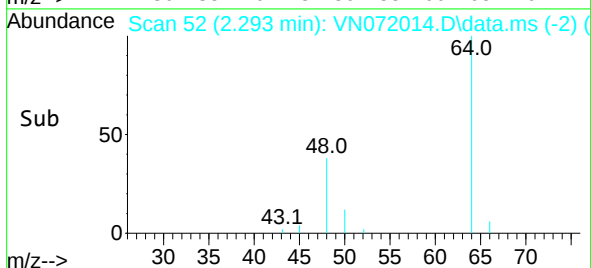
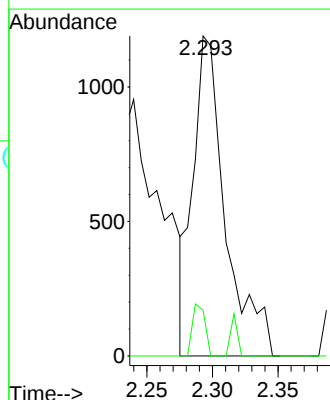
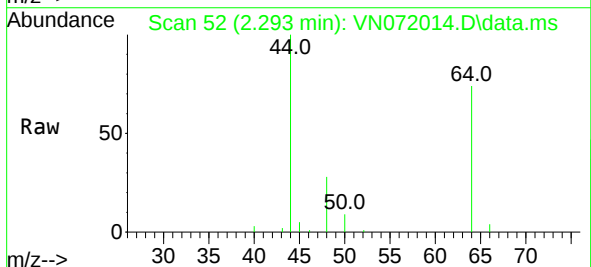
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

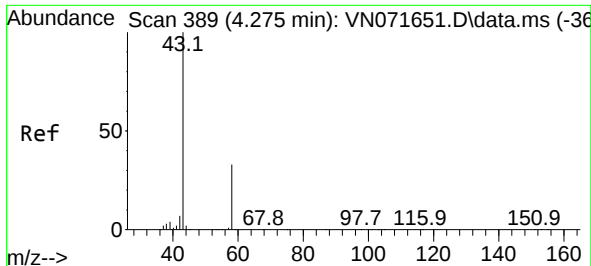
Tgt Ion:168 Resp: 627031
Ion Ratio Lower Upper
168 100
99 53.4 42.3 63.5



#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion: 50 Resp: 2038
Ion Ratio Lower Upper
50 100
52 14.3 25.7 38.5#

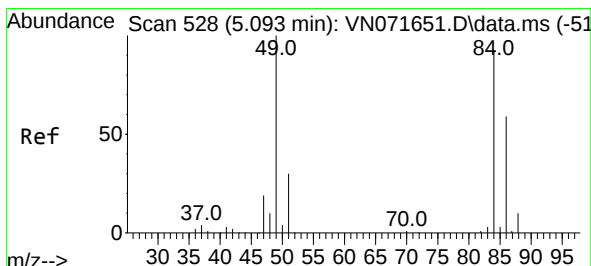
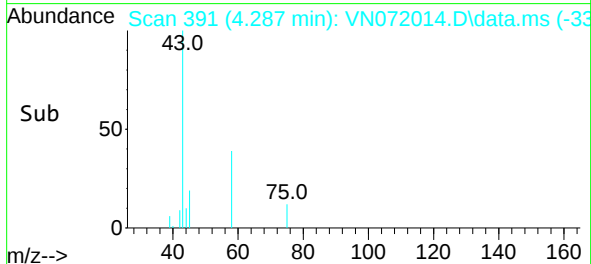
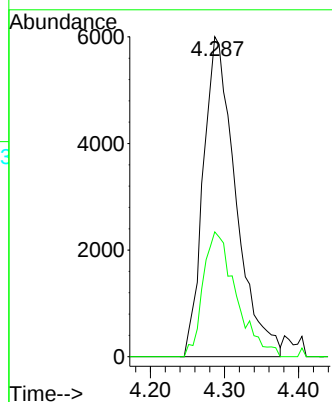
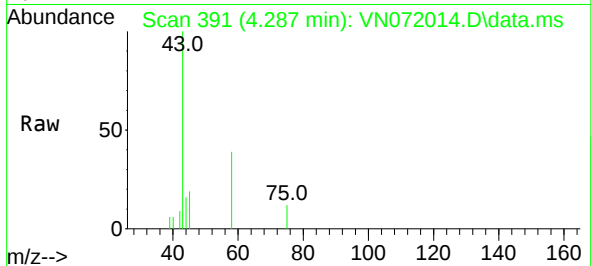




#16
Acetone
Concen: 5.971 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

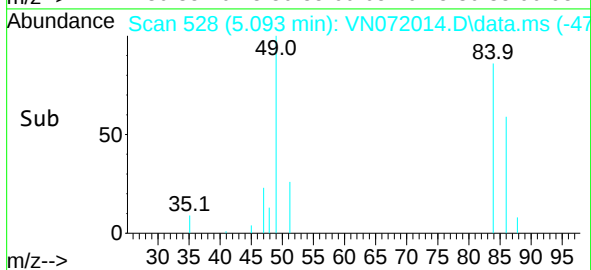
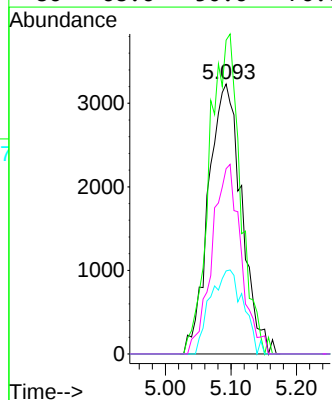
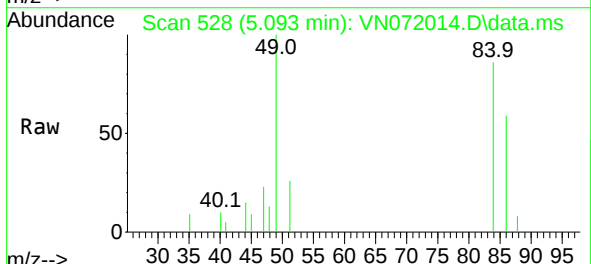
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

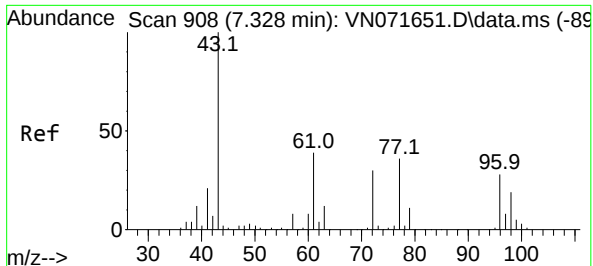
Tgt Ion: 43 Resp: 18267
Ion Ratio Lower Upper
43 100
58 39.0 26.0 39.0#



#20
Methylene Chloride
Concen: 1.755 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion: 84 Resp: 11314
Ion Ratio Lower Upper
84 100
49 116.2 88.3 132.5
51 30.8 28.2 42.2
86 68.6 50.6 76.0





#25

2-Butanone

Concen: 0.843 ug/l

RT: 7.340 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN072014.D

Acq: 15 Apr 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

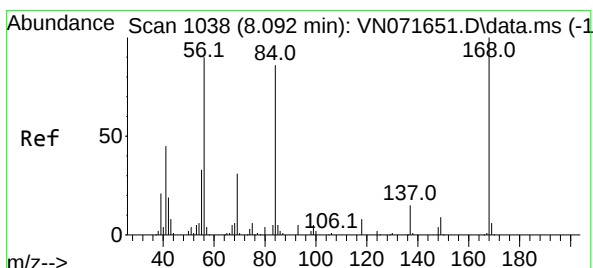
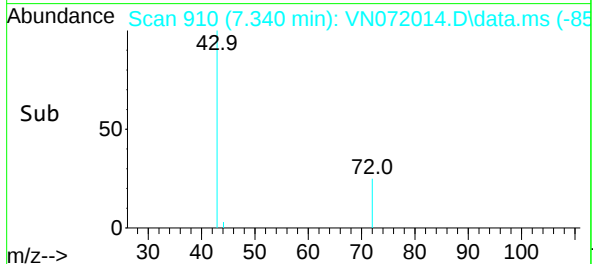
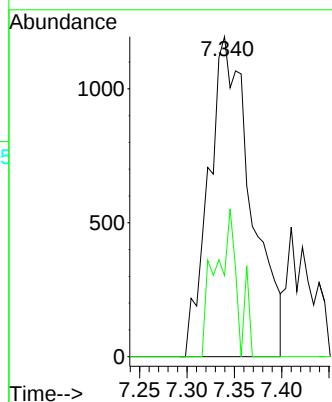
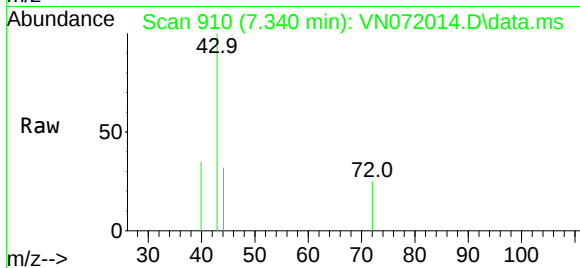
PB144101ZHE#02

Tgt Ion: 43 Resp: 3718

Ion Ratio Lower Upper

43 100

72 25.4 23.7 35.5



#31

Cyclohexane

Concen: 1.038 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.017 min

Lab File: VN072014.D

Acq: 15 Apr 2022 20:27

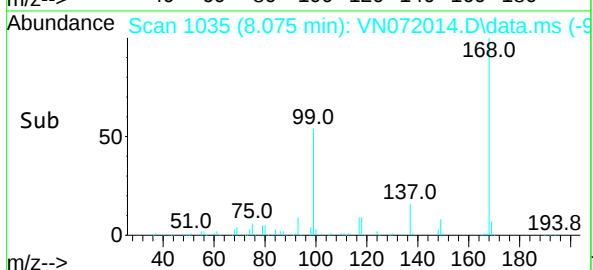
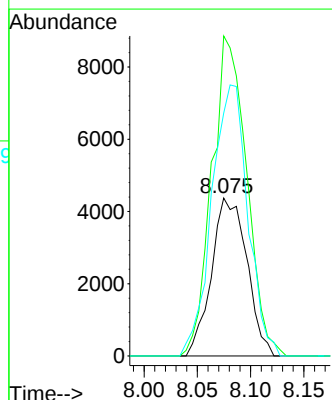
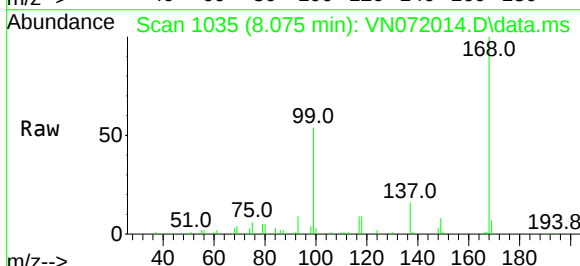
Tgt Ion: 56 Resp: 10109

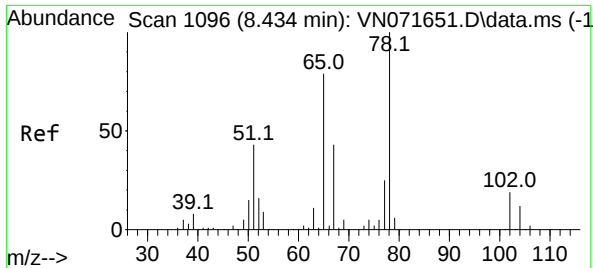
Ion Ratio Lower Upper

56 100

69 202.7 27.8 41.8#

84 153.9 76.9 115.3#

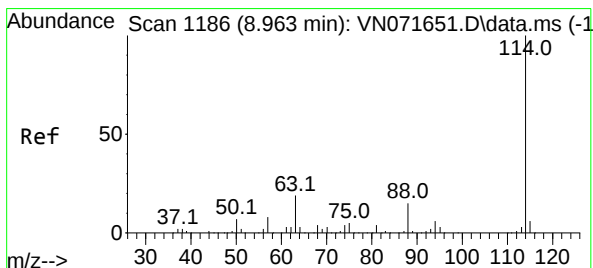
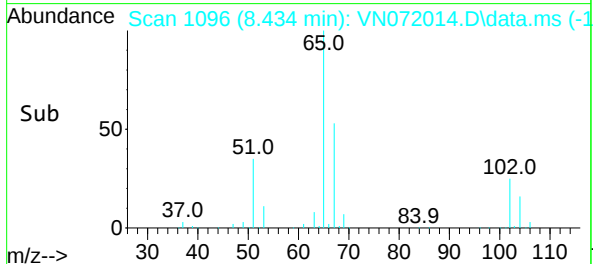
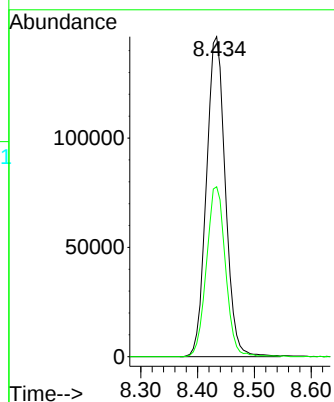
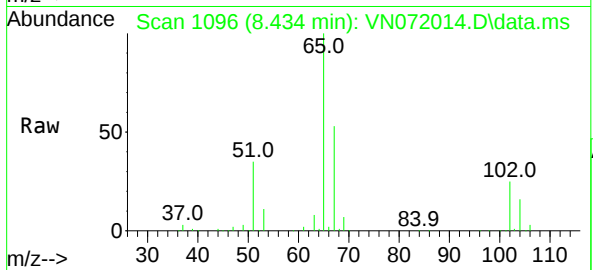




#33
1,2-Dichloroethane-d4
Concen: 47.216 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

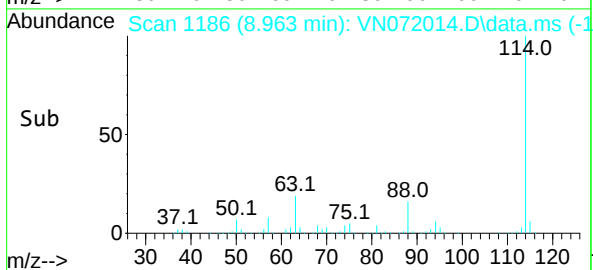
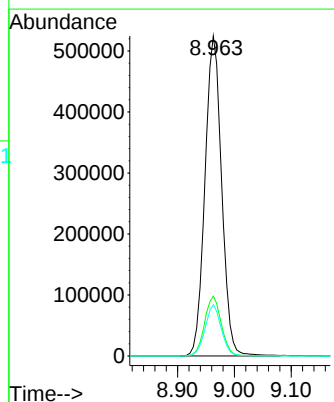
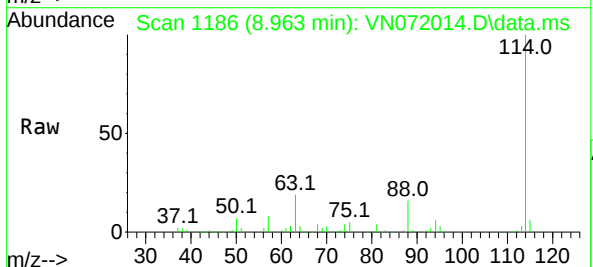
Instrument :
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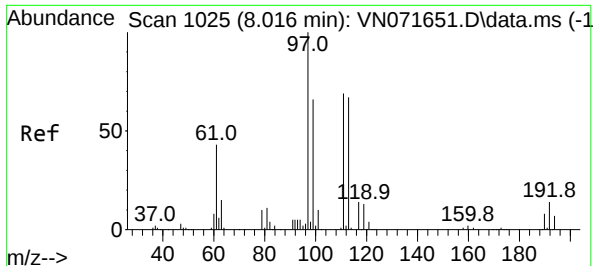
Tgt Ion: 65 Resp: 337987
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

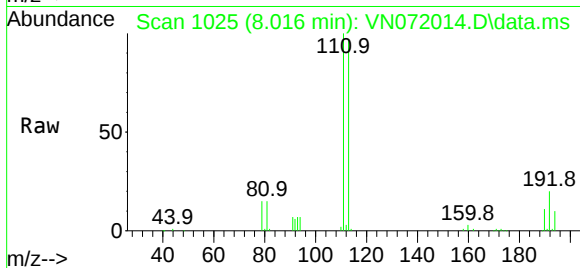
Tgt Ion: 114 Resp: 1068303
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.0
88 16.0 0.0 32.6



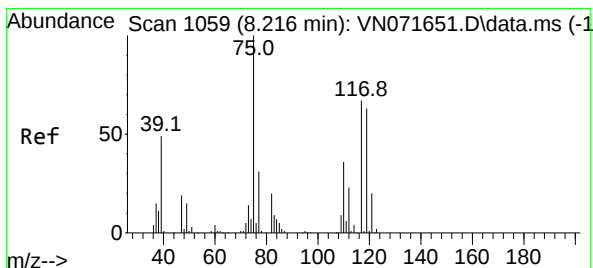
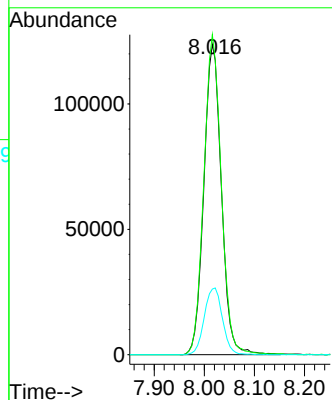
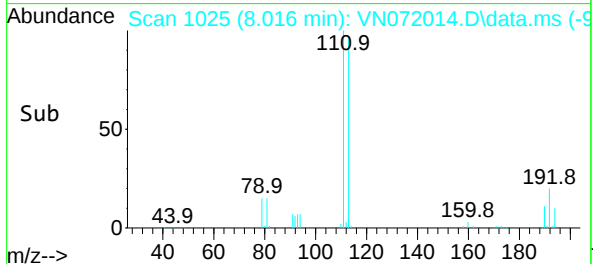


#35
Dibromofluoromethane
Concen: 47.936 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

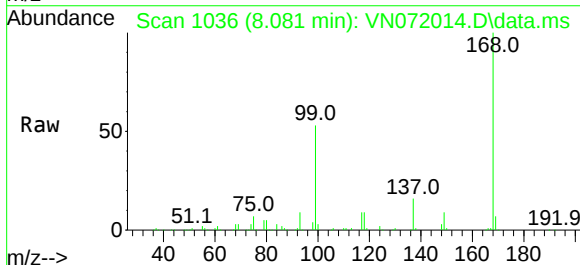
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ClientSampleId :
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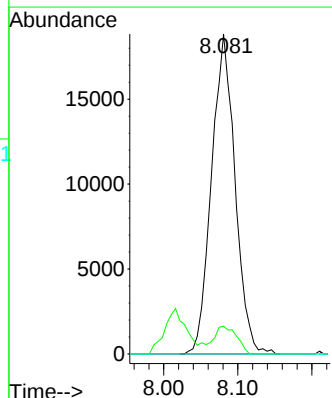
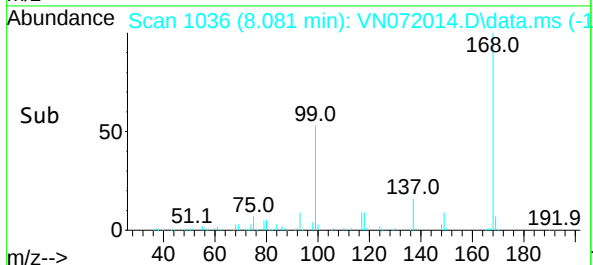
Tgt Ion: 113 Resp: 301341
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 22.2 17.0 25.6

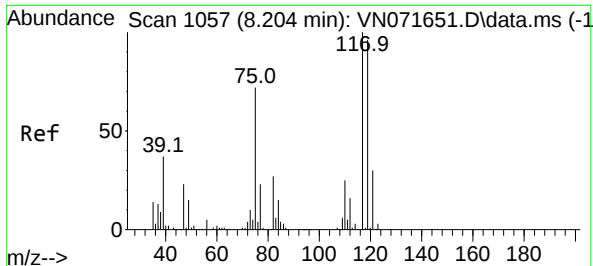


#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27



Tgt Ion: 75 Resp: 41544
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#

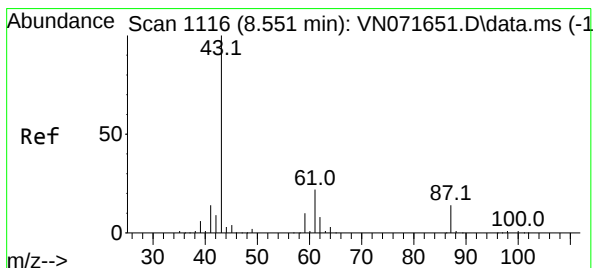
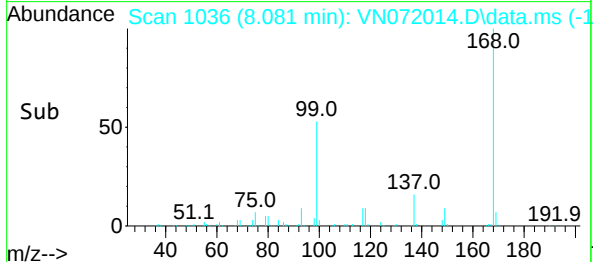
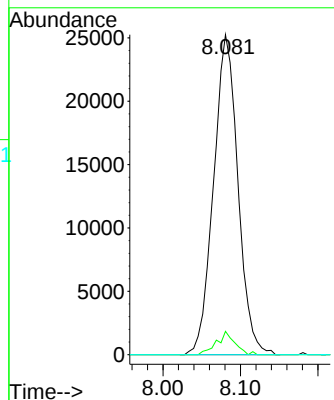
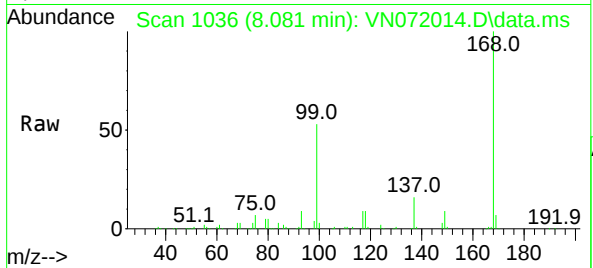




#38
Carbon Tetrachloride
Concen: 6.425 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

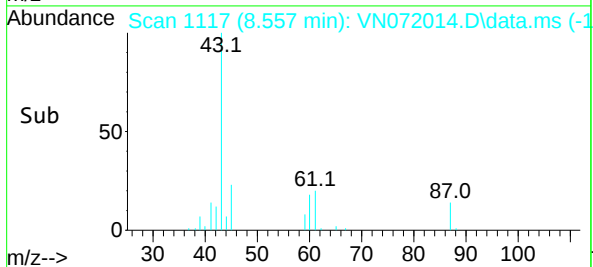
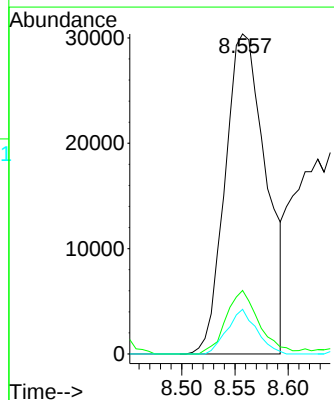
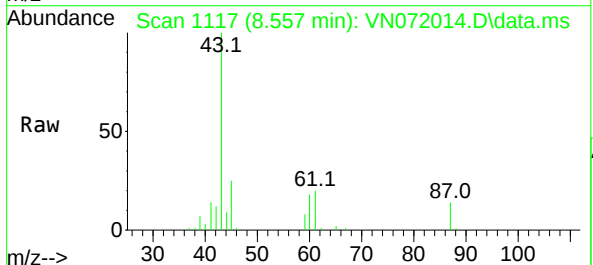
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ClientSampleId :
PB144101ZHE#02

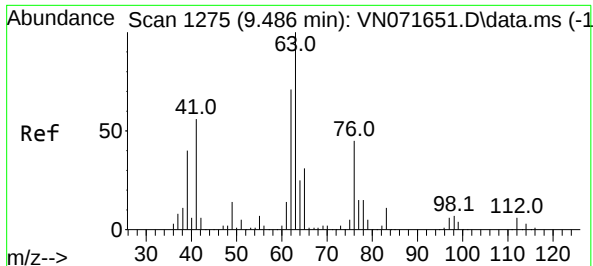
Tgt Ion:117 Resp: 55277
Ion Ratio Lower Upper
117 100
119 7.3 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.080 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion: 43 Resp: 81194
Ion Ratio Lower Upper
43 100
61 16.1 21.9 32.9#
87 10.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.745 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.136 min

Lab File: VN072014.D

Acq: 15 Apr 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

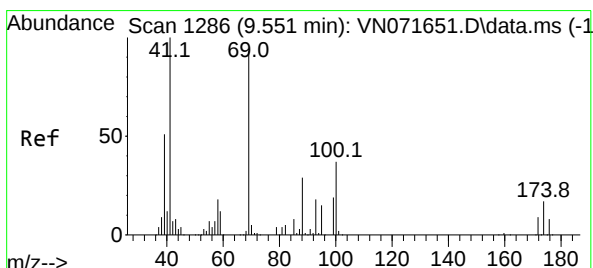
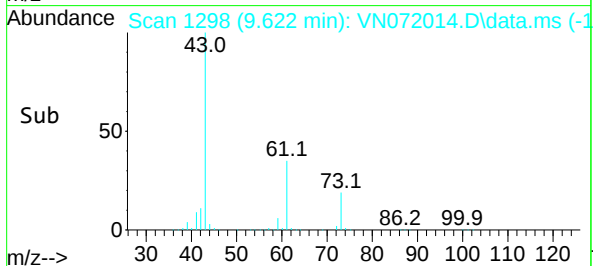
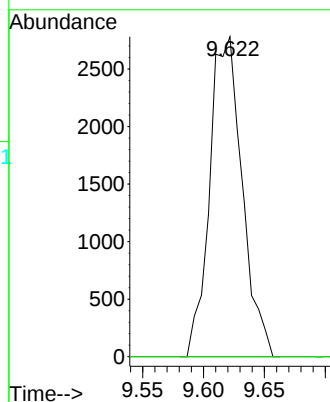
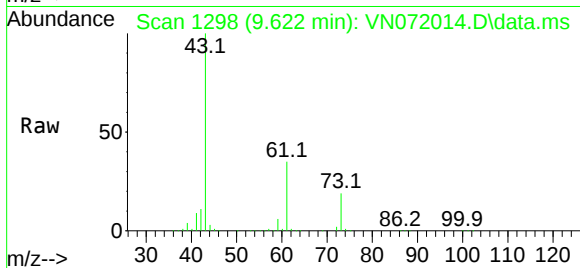
PB144101ZHE#02

Tgt Ion: 63 Resp: 5162

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.298 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072014.D

Acq: 15 Apr 2022 20:27

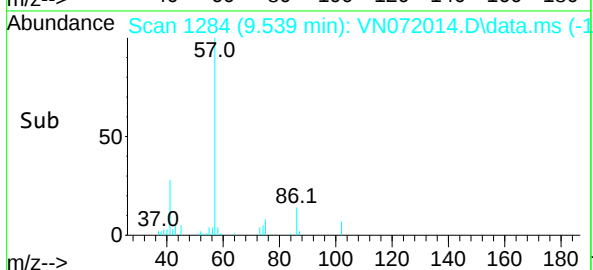
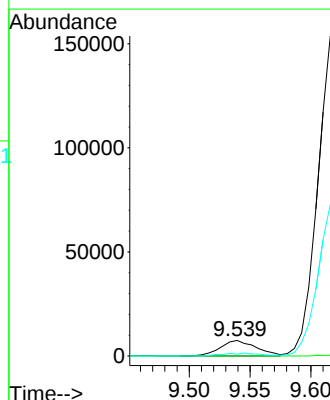
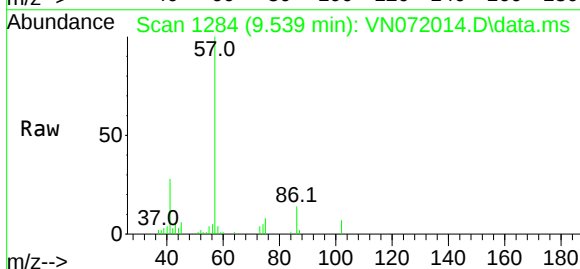
Tgt Ion: 41 Resp: 15239

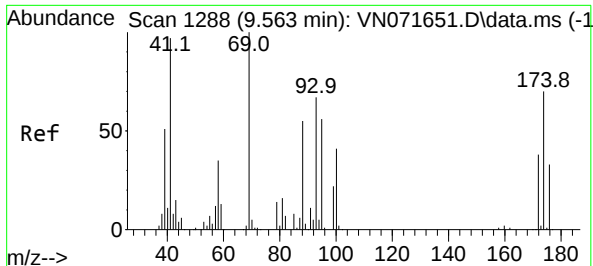
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN072014.D

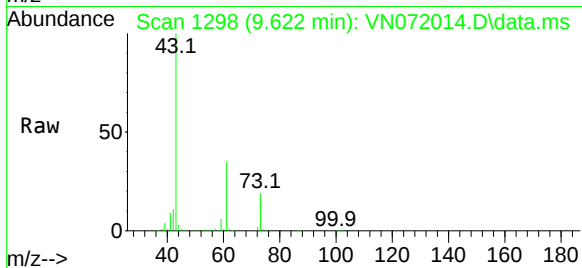
Acq: 15 Apr 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#02



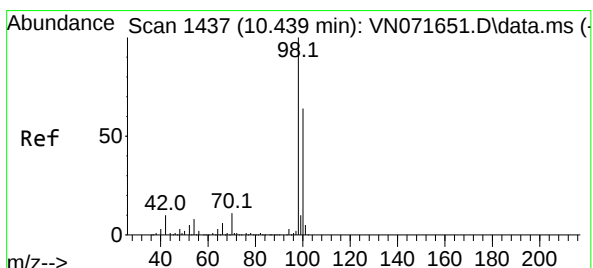
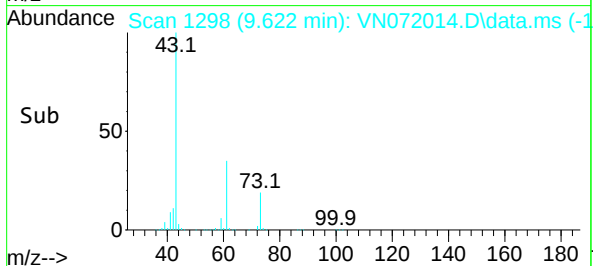
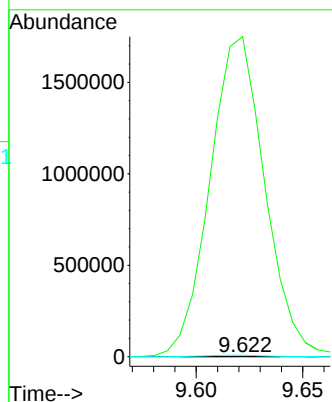
Tgt Ion: 88 Resp: 647

Ion Ratio Lower Upper

88 100

43 492913.1 20.2 30.4#

58 2378.8 54.2 81.4#



#50

Toluene-d8

Concen: 55.507 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072014.D

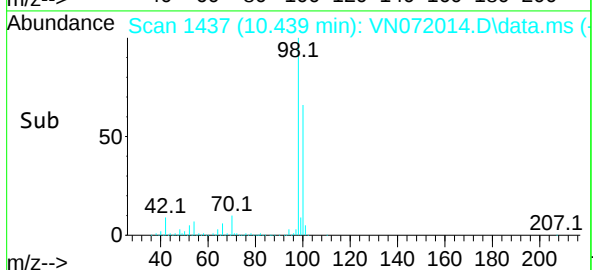
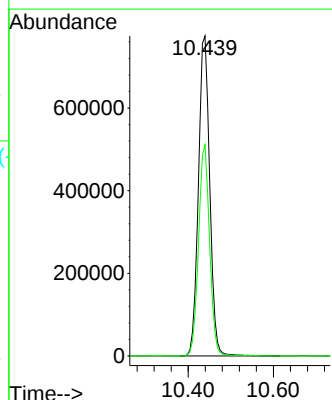
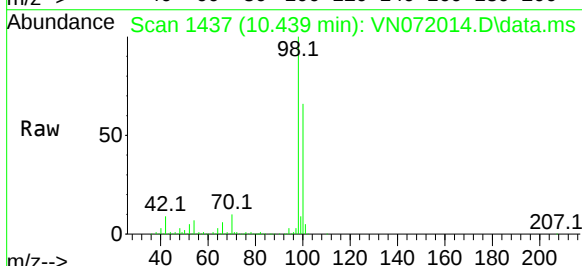
Acq: 15 Apr 2022 20:27

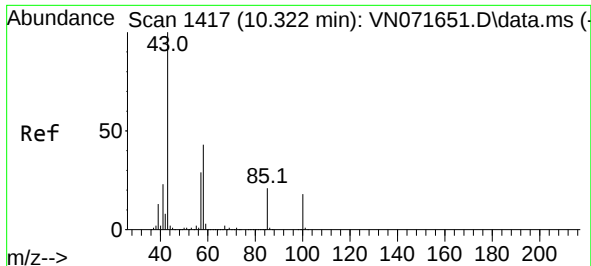
Tgt Ion: 98 Resp: 1427417

Ion Ratio Lower Upper

98 100

100 64.4 52.6 78.8

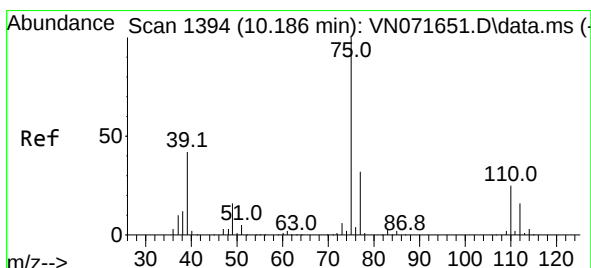
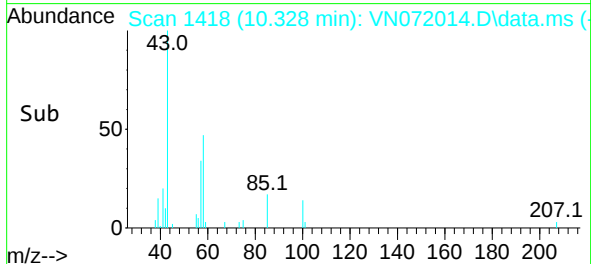
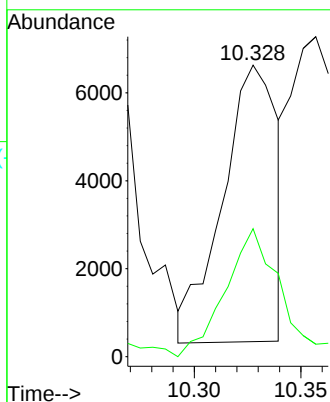
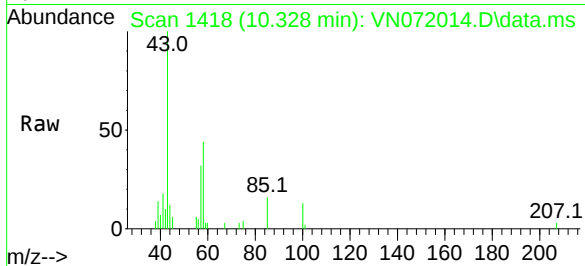




#51
4-Methyl-2-Pentanone
Concen: 1.218 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

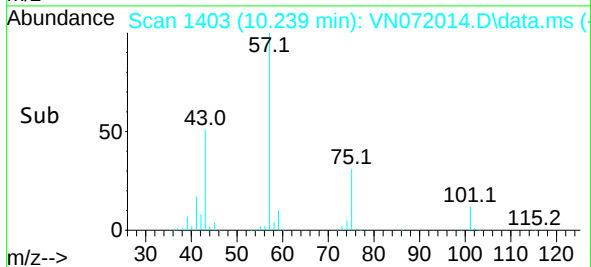
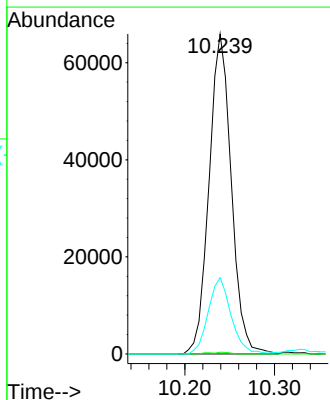
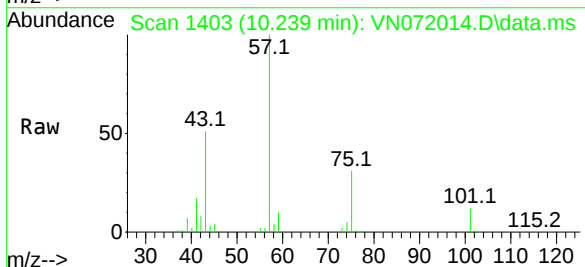
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

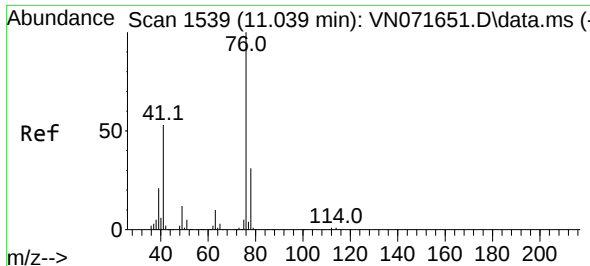
Tgt Ion: 43 Resp: 11191
Ion Ratio Lower Upper
43 100
58 46.7 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 10.558 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion: 75 Resp: 113203
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 23.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 6.122 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072014.D

Acq: 15 Apr 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

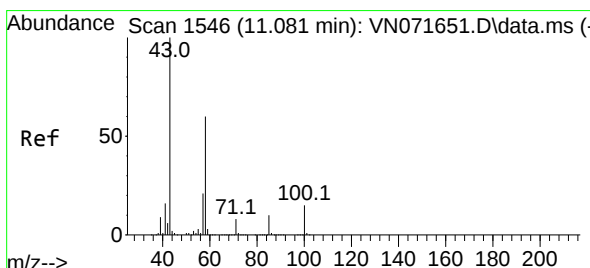
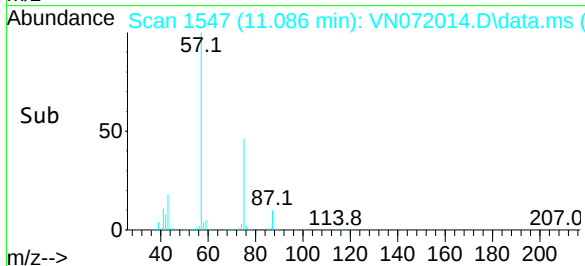
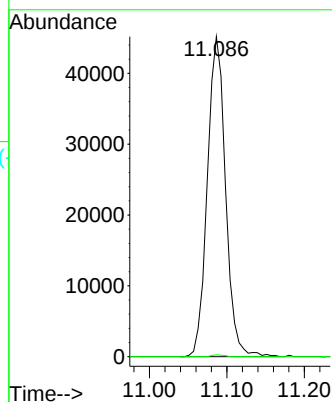
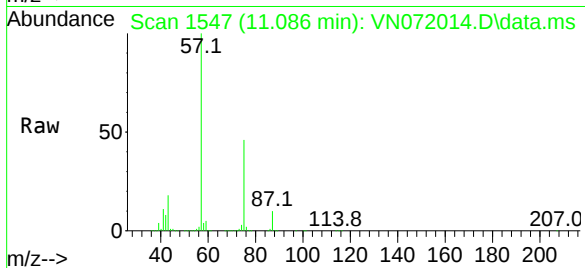
PB144101ZHE#02

Tgt Ion: 76 Resp: 73849

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 131.575 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072014.D

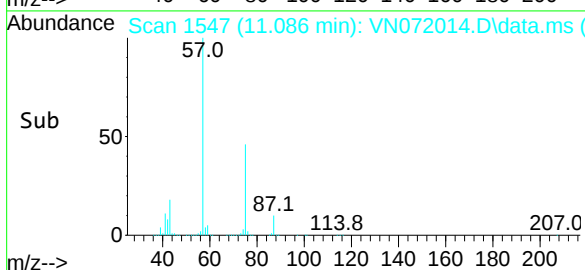
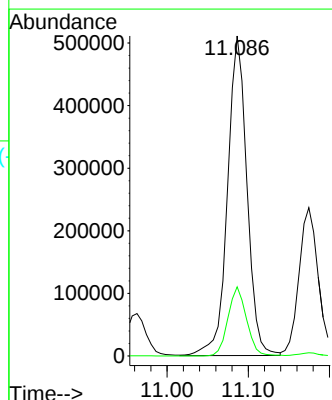
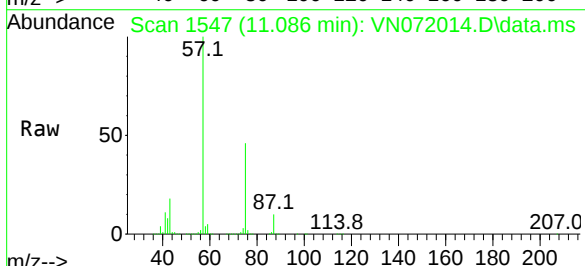
Acq: 15 Apr 2022 20:27

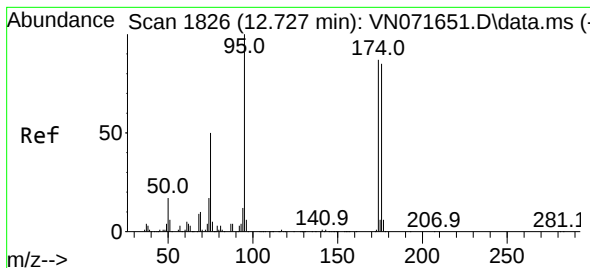
Tgt Ion: 43 Resp: 851203

Ion Ratio Lower Upper

43 100

58 20.6 29.7 89.1#

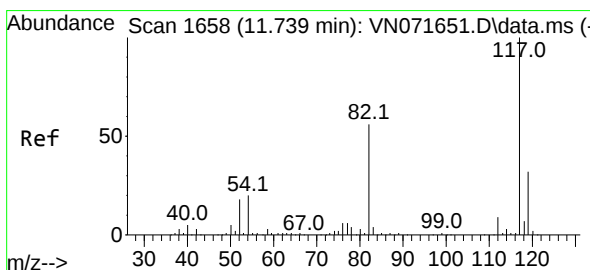
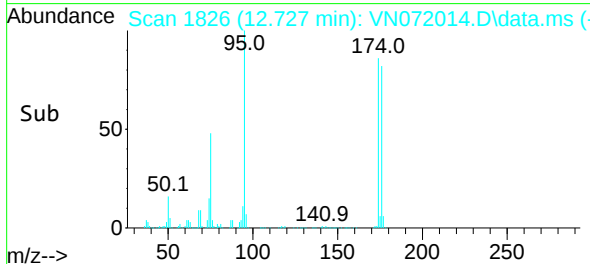
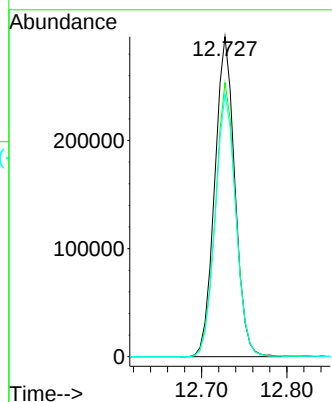
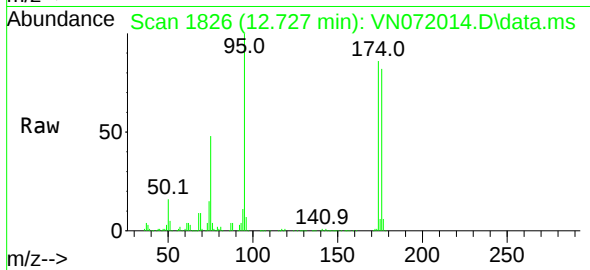




#62
4-Bromofluorobenzene
Concen: 58.412 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

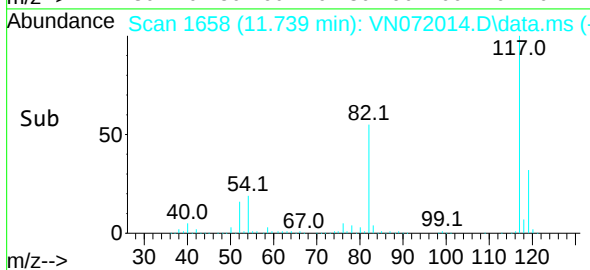
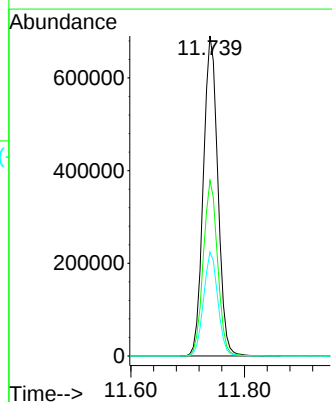
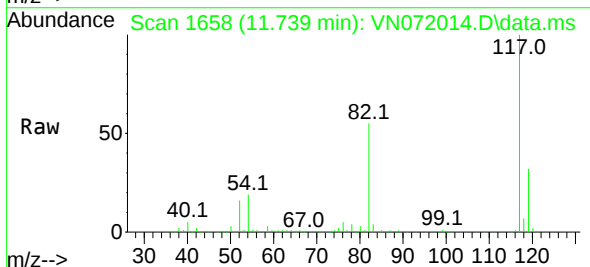
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

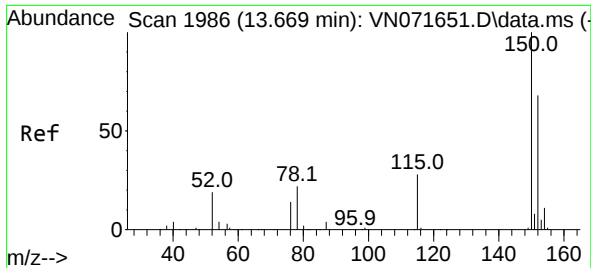
Tgt Ion: 95 Resp: 485812
Ion Ratio Lower Upper
95 100
174 86.7 0.0 167.6
176 83.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion: 117 Resp: 1223597
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.4 25.4 38.0

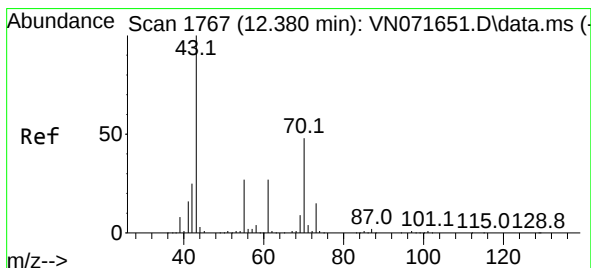
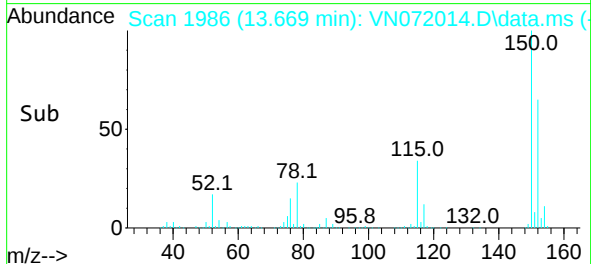
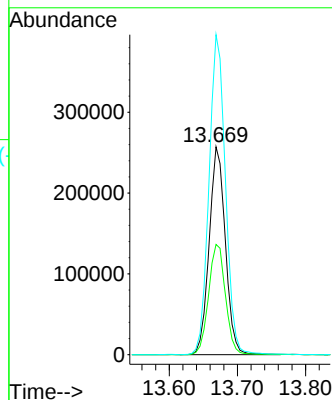
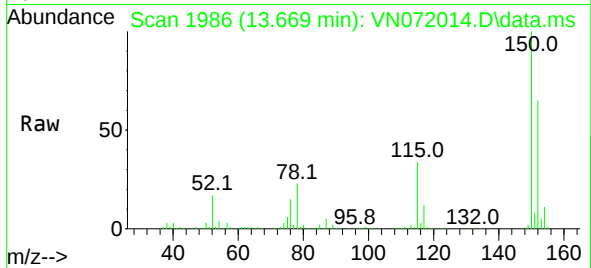




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

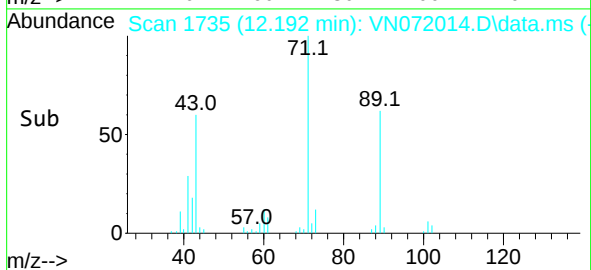
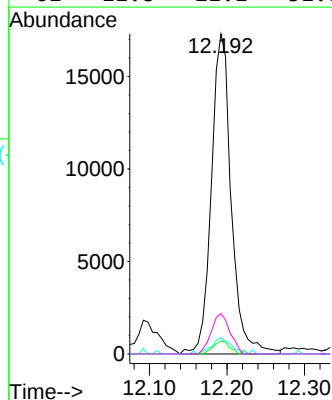
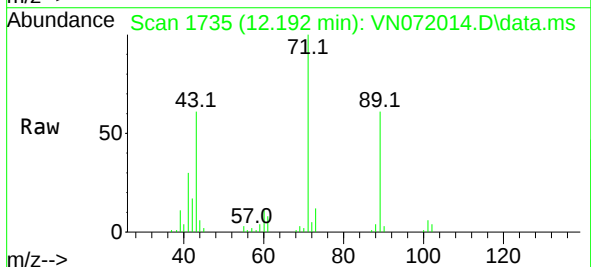
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

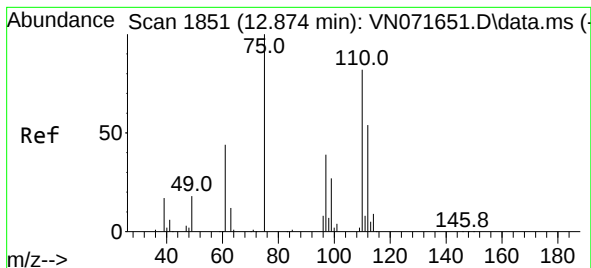
Tgt Ion:152 Resp: 426601
Ion Ratio Lower Upper
152 100
115 55.3 28.9 86.7
150 156.3 0.0 356.2



#74
N-ethyl acetate
Concen: 2.991 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion: 43 Resp: 30805
Ion Ratio Lower Upper
43 100
70 3.5 39.0 58.4#
55 5.0 21.1 31.7#
61 11.8 21.1 31.7#

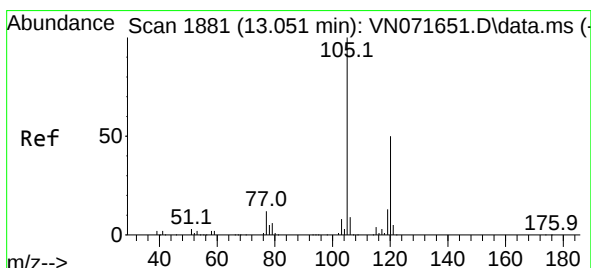
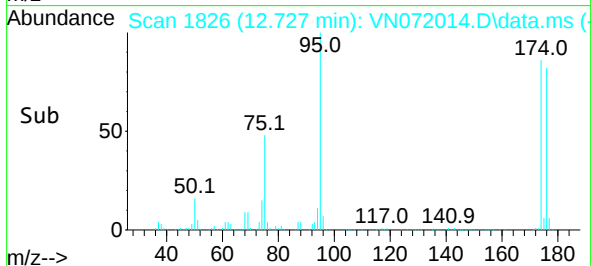
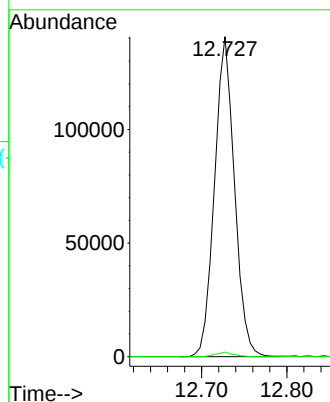
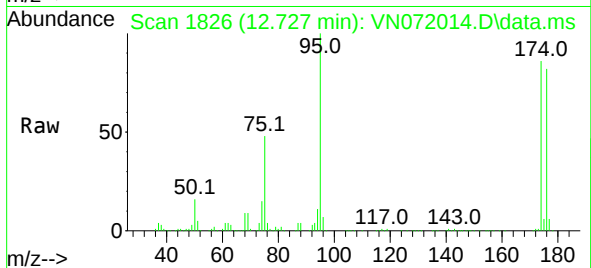




#76
1,2,3-Trichloropropane
Concen: 23.168 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

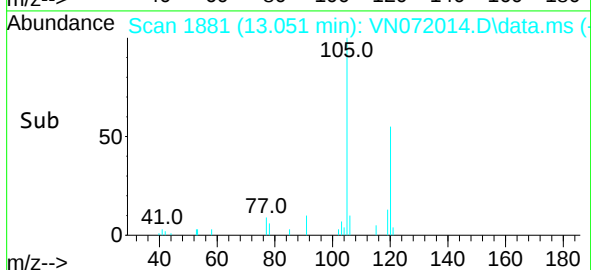
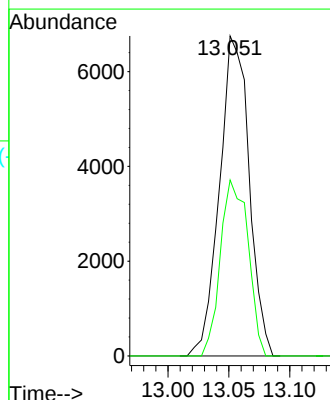
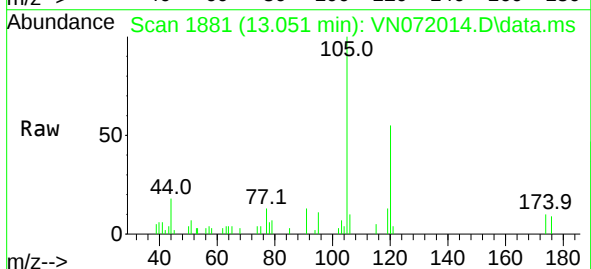
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

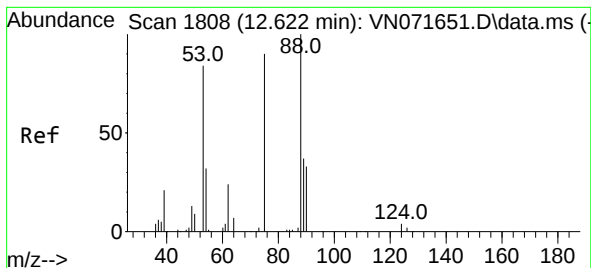
Tgt Ion: 75 Resp: 228958
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.401 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion: 105 Resp: 11432
Ion Ratio Lower Upper
105 100
120 51.3 24.9 74.7

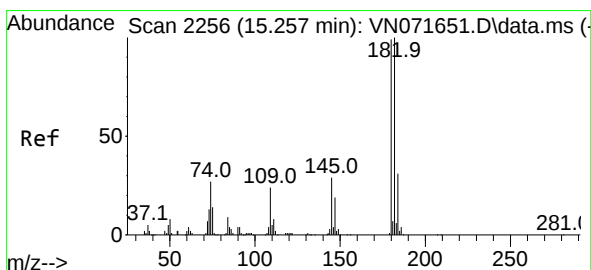
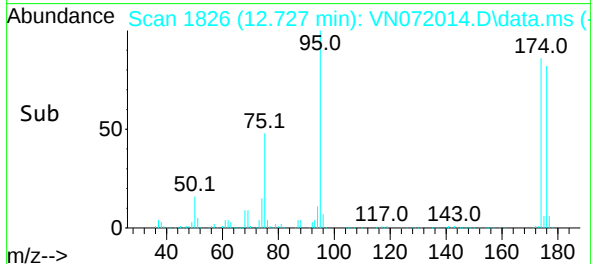
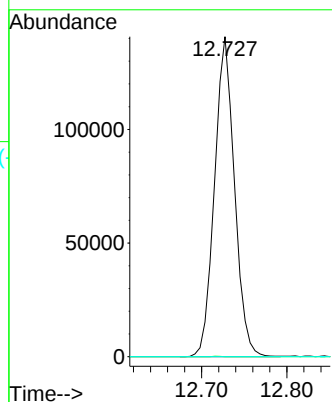
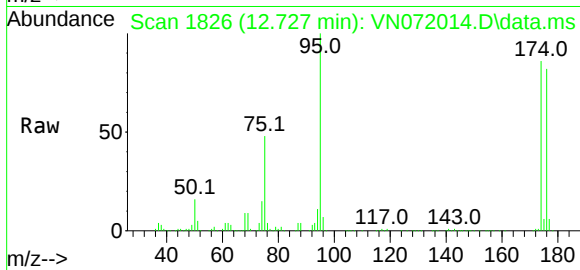




#81
trans-1,4-Dichloro-2-butene
Concen: 71.797 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

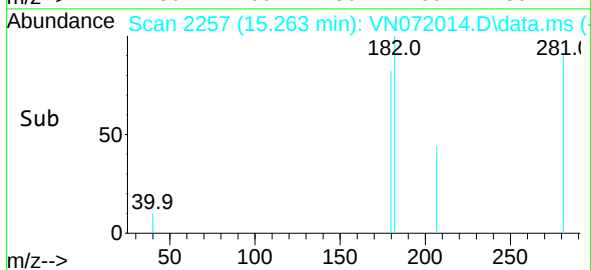
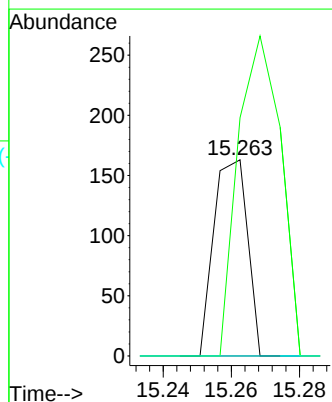
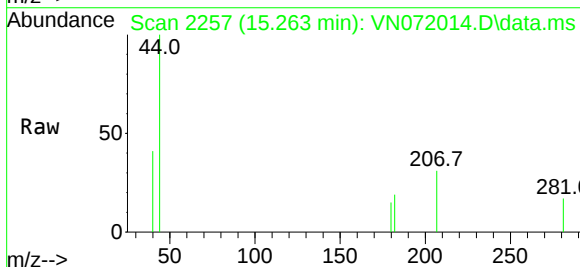
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

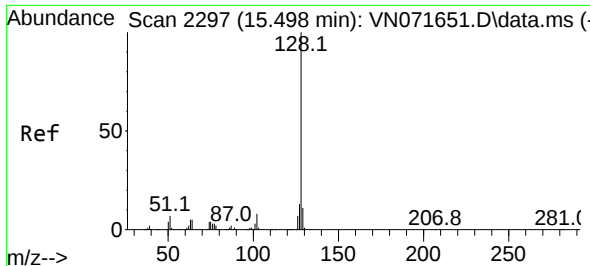
Tgt Ion: 75 Resp: 228958
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.102 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion:180 Resp: 112
Ion Ratio Lower Upper
180 100
182 206.3 47.5 142.5#
145 0.0 14.5 43.5#

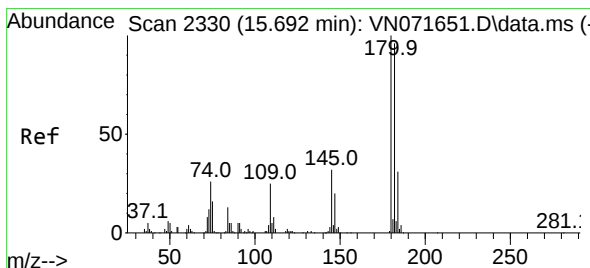
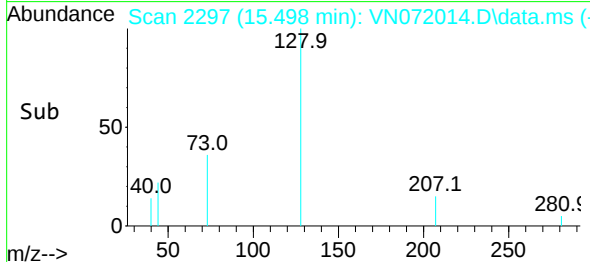
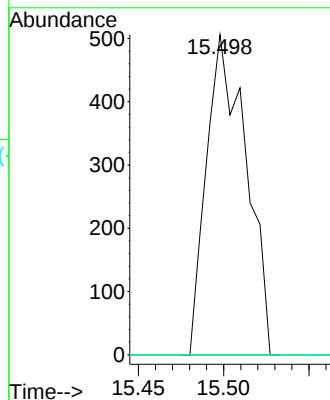
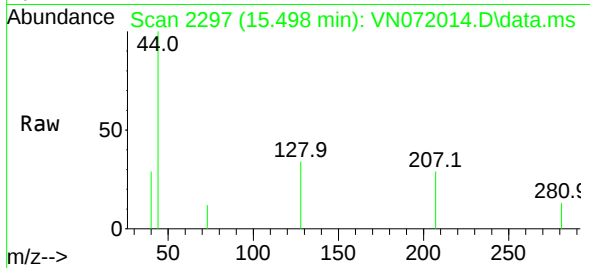




#95
Naphthalene
Concen: 3.842 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#02

Tgt Ion:128 Resp: 816
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.423 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN072014.D
Acq: 15 Apr 2022 20:27

Tgt Ion:180 Resp: 61
Ion Ratio Lower Upper
180 100
182 129.5 47.8 143.3
145 0.0 15.5 46.5#

