

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072015.D
 Acq On : 15 Apr 2022 20:51
 Operator : JC\MD
 Sample : PB144101ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#03

Quant Time: Apr 16 00:08:25 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)

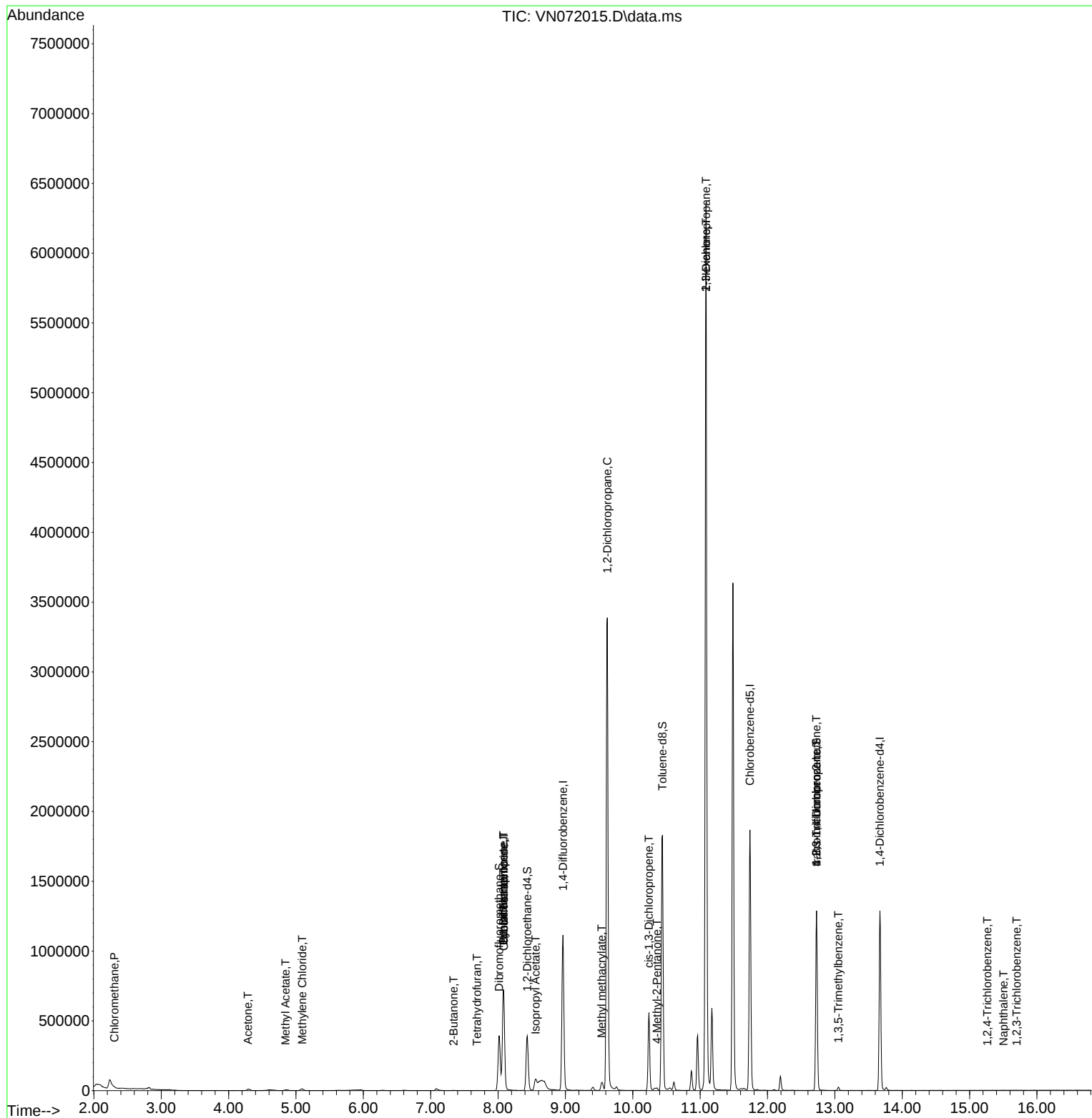
Internal Standards						
1) Pentafluorobenzene	8.081	168	611970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1034393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1147842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	383505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	322657	46.184	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.360%		
35) Dibromofluoromethane	8.016	113	289663	47.589	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.180%		
50) Toluene-d8	10.439	98	1361610	54.684	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.360%		
62) 4-Bromofluorobenzene	12.727	95	448423	55.684	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.360%		
Target Compounds						Qvalue
3) Chloromethane	2.305	50	1691	0.274	ug/l #	73
16) Acetone	4.287	43	17033	5.705	ug/l	90
18) Methyl Acetate	4.846	43	13716	0.352	ug/l	96
20) Methylene Chloride	5.093	84	11668	1.854	ug/l #	91
25) 2-Butanone	7.340	43	3248	0.755	ug/l	98
29) Tetrahydrofuran	7.687	42	604	0.217	ug/l #	37
31) Cyclohexane	8.081	56	9683	1.019	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	40918	4.814	ug/l #	49
38) Carbon Tetrachloride	8.087	117	54302	6.518	ug/l #	16
43) Isopropyl Acetate	8.557	43	93136	6.019	ug/l #	79
45) 1,2-Dichloropropane	9.622	63	4628	0.690	ug/l #	44
48) Methyl methacrylate	9.539	41	15536	2.420	ug/l #	10
49) 1,4-Dioxane	9.616	88	809	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.357	43	24212	2.721	ug/l #	33
54) cis-1,3-Dichloropropene	10.239	75	110603	10.653	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	71172	6.094	ug/l #	42
59) 2-Hexanone	11.086	43	836123	133.481	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	214652	24.161	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	11271	0.440	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.727	75	214652	74.874	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	62	2.096	ug/l #	12
95) Naphthalene	15.504	128	799	3.845	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	115	2.433	ug/l #	1

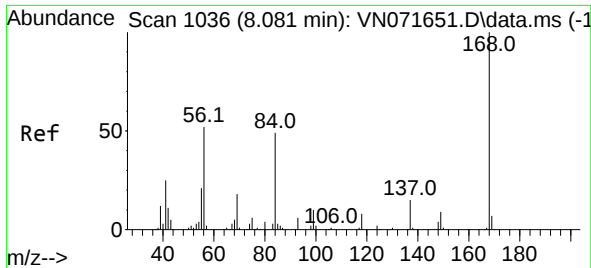
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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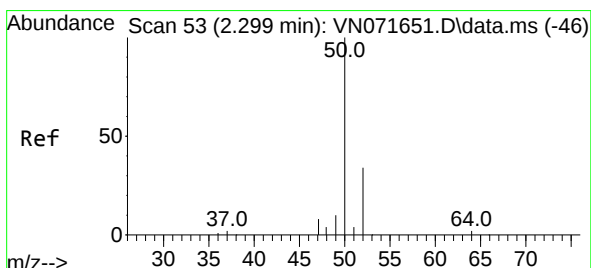
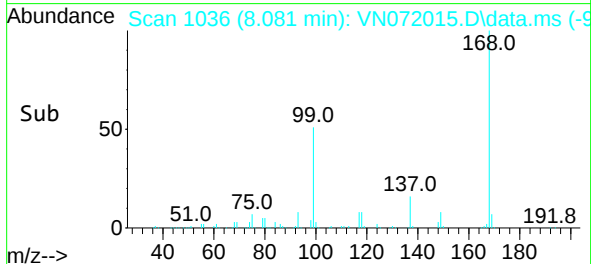
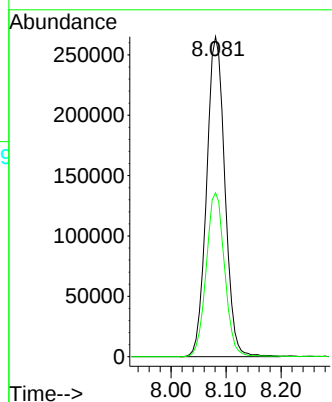
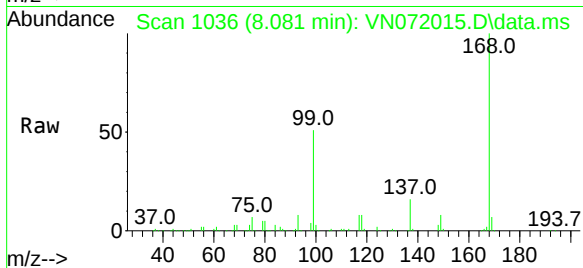




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

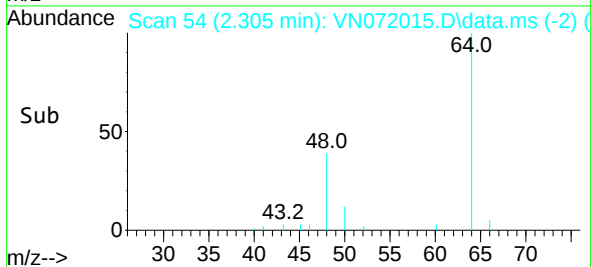
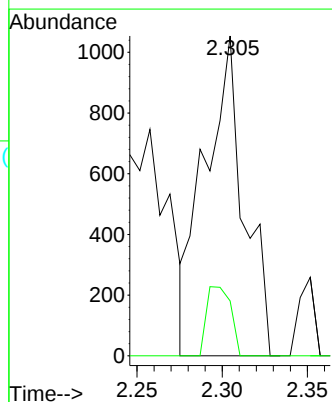
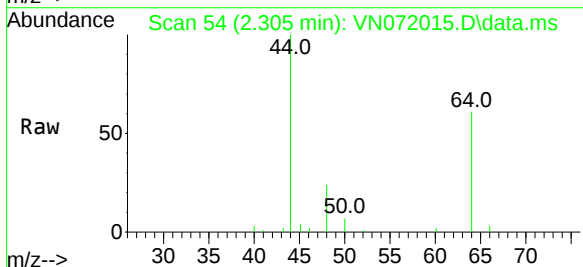
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#03

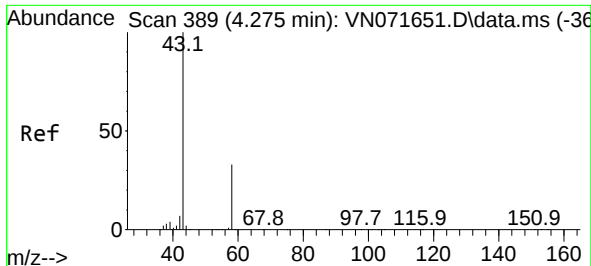
Tgt Ion:168 Resp: 611970
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#3
Chloromethane
Concen: 0.274 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

Tgt Ion: 50 Resp: 1691
Ion Ratio Lower Upper
50 100
52 17.2 25.7 38.5#

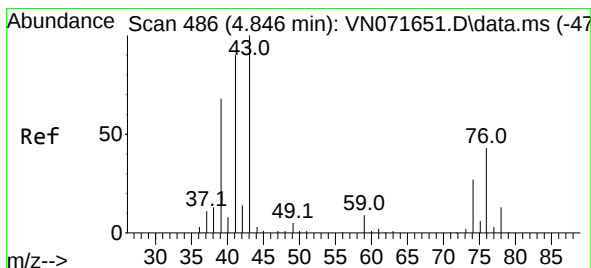
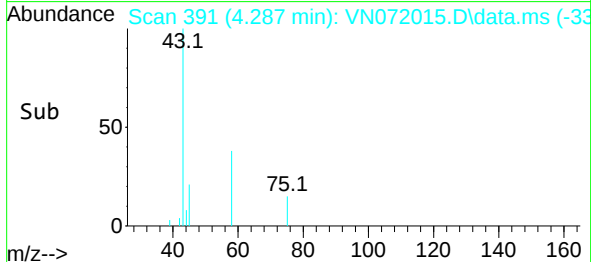
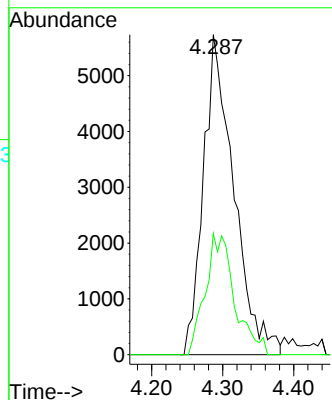
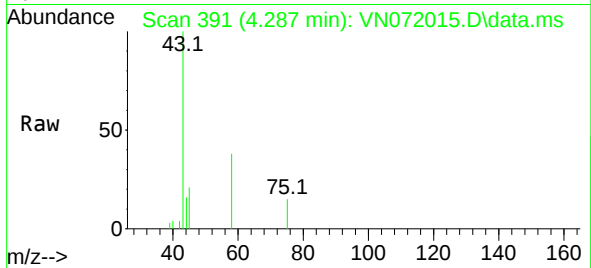




#16
Acetone
Concen: 5.705 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

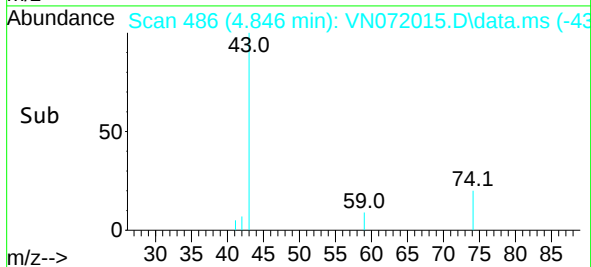
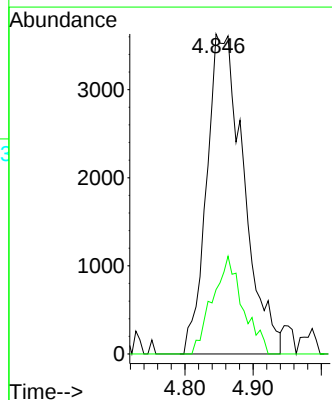
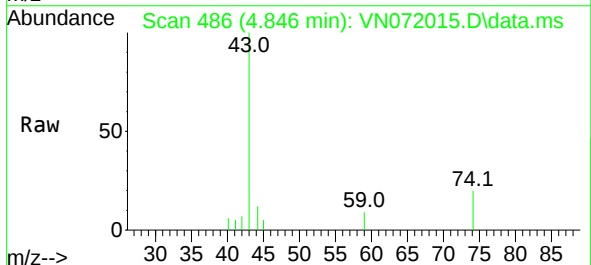
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#03

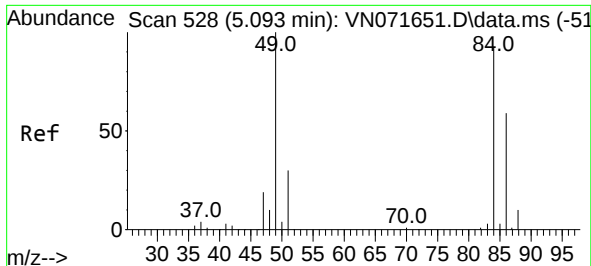
Tgt Ion: 43 Resp: 17033
Ion Ratio Lower Upper
43 100
58 37.9 26.0 39.0



#18
Methyl Acetate
Concen: 0.352 ug/l
RT: 4.846 min Scan# 486
Delta R.T. -0.000 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

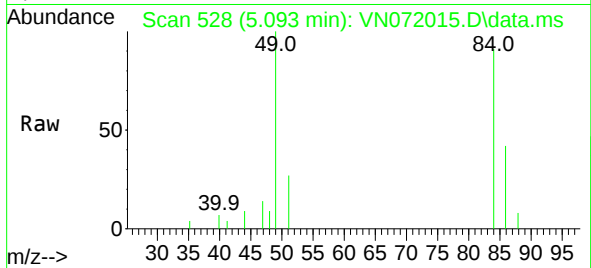
Tgt Ion: 43 Resp: 13716
Ion Ratio Lower Upper
43 100
74 25.0 21.6 32.4





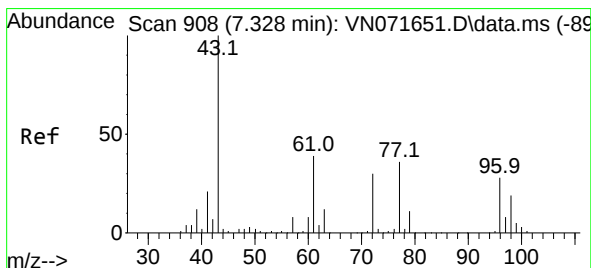
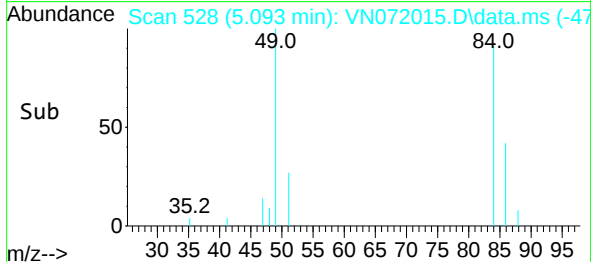
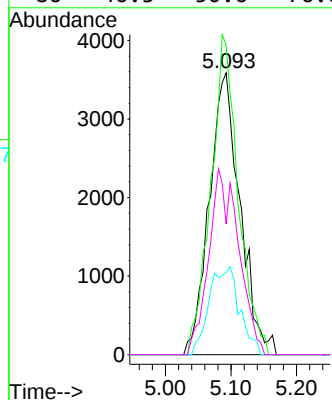
#20
Methylene Chloride
Concen: 1.854 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#03



Tgt Ion: 84 Resp: 11668

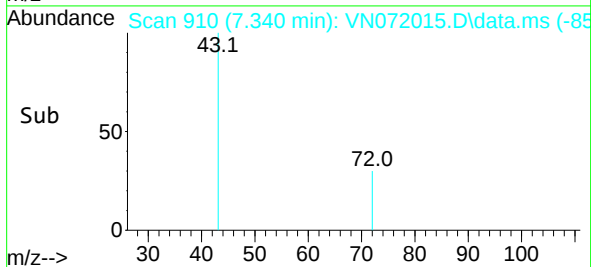
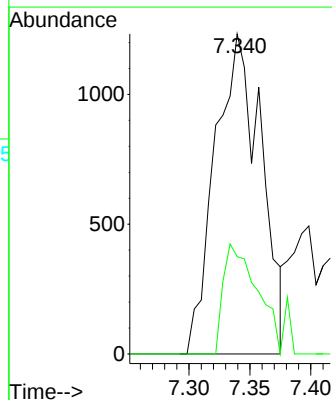
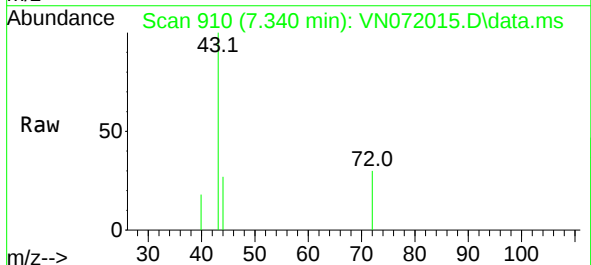
Ion	Ratio	Lower	Upper
84	100		
49	109.9	88.3	132.5
51	29.2	28.2	42.2
86	46.3	50.6	76.0

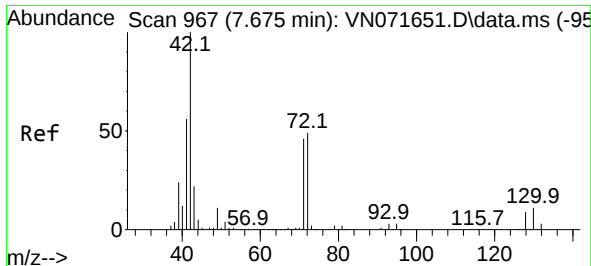


#25
2-Butanone
Concen: 0.755 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

Tgt Ion: 43 Resp: 3248

Ion	Ratio	Lower	Upper
43	100		
72	30.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 7.687 min Scan# 9

Delta R.T. 0.012 min

Lab File: VN072015.D

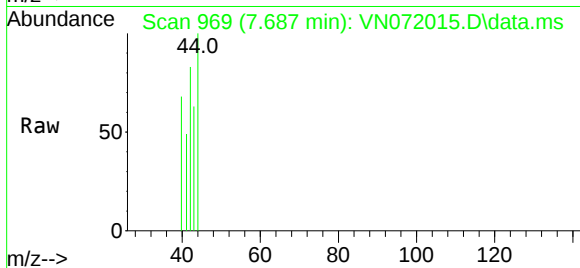
Acq: 15 Apr 2022 20:51

Instrument :

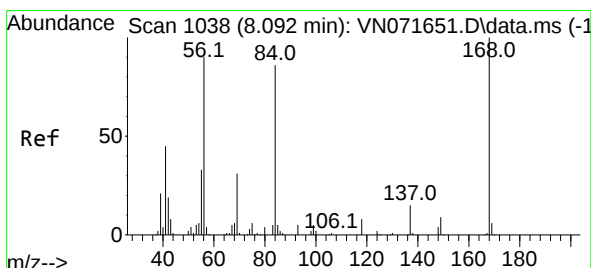
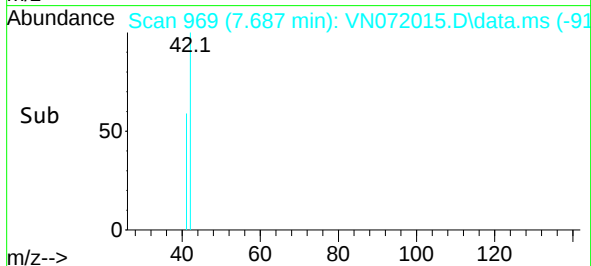
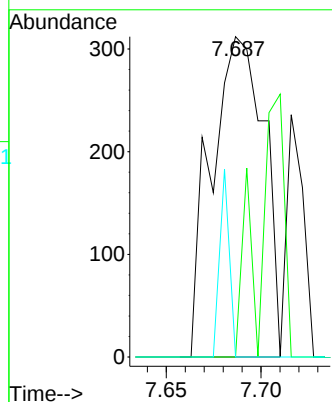
MSVOA_N

ClientSampleId :

PB144101ZHE#03



Tgt Ion:	42	Resp:	604
Ion Ratio	Lower	Upper	
42	100		
72	0.0	39.7	59.5#
71	10.8	36.6	55.0#



#31

Cyclohexane

Concen: 1.019 ug/l

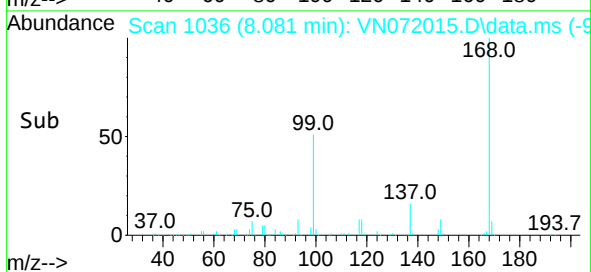
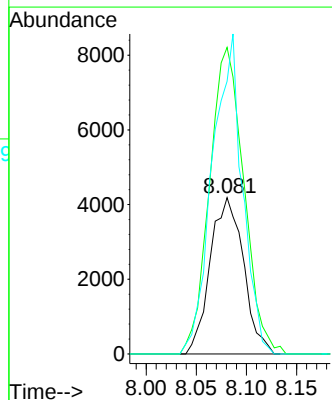
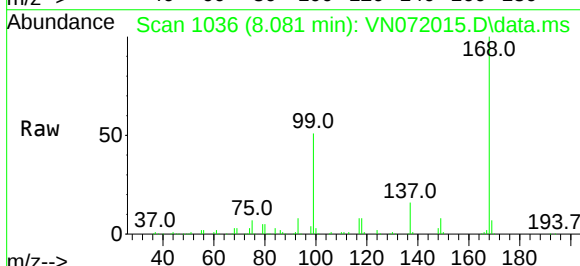
RT: 8.081 min Scan# 1036

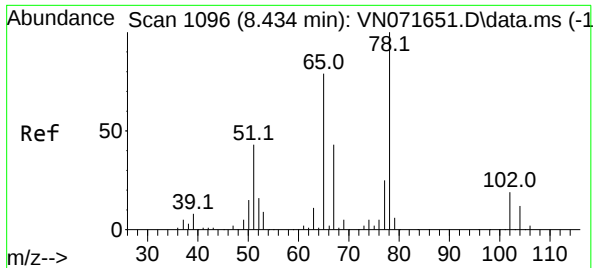
Delta R.T. -0.011 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

Tgt Ion:	56	Resp:	9683
Ion Ratio	Lower	Upper	
56	100		
69	196.1	27.8	41.8#
84	174.3	76.9	115.3#

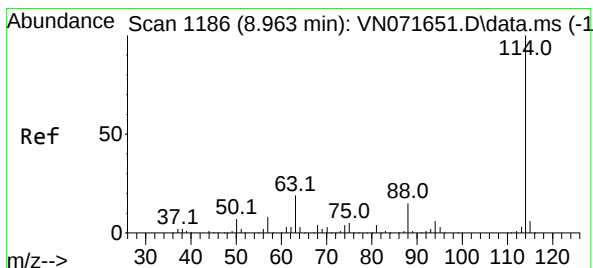
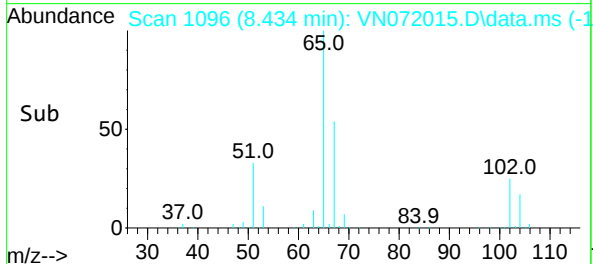
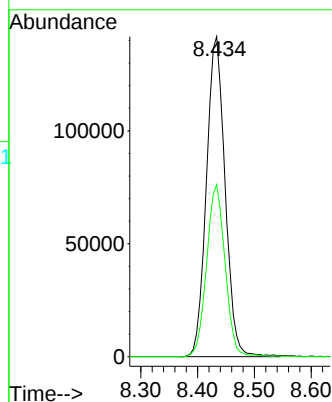
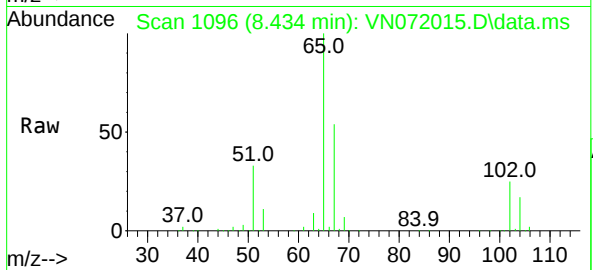




#33
 1,2-Dichloroethane-d4
 Concen: 46.184 ug/l
 RT: 8.434 min Scan# 1096
 Delta R.T. -0.000 min
 Lab File: VN072015.D
 Acq: 15 Apr 2022 20:51

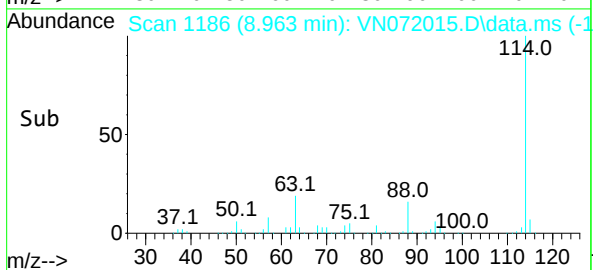
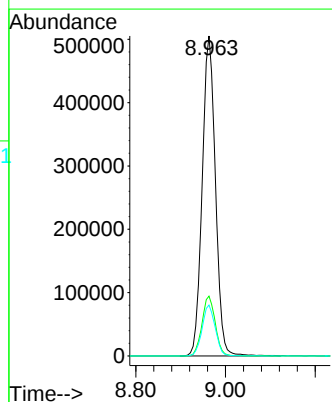
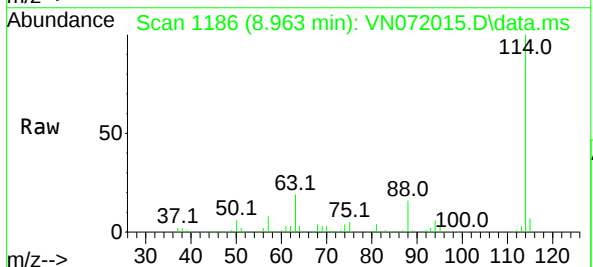
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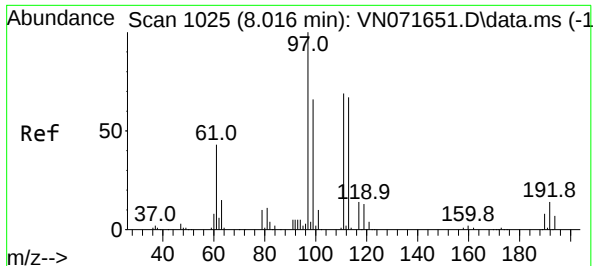
Tgt Ion: 65 Resp: 322657
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. -0.000 min
 Lab File: VN072015.D
 Acq: 15 Apr 2022 20:51

Tgt Ion: 114 Resp: 1034393
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.0
 88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.589 ug/l

RT: 8.016 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#03

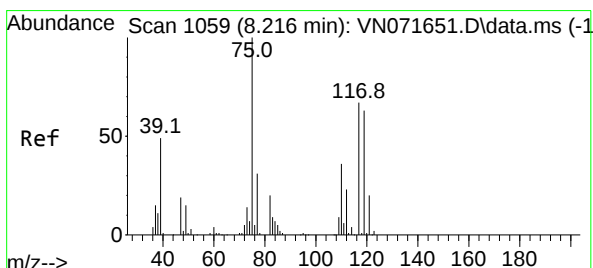
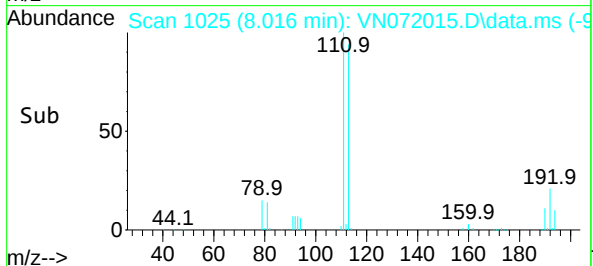
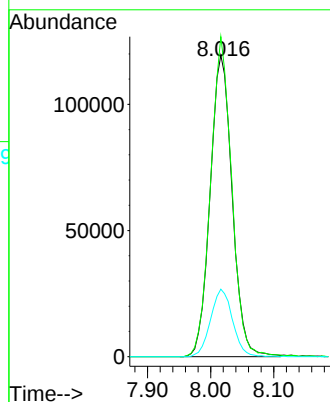
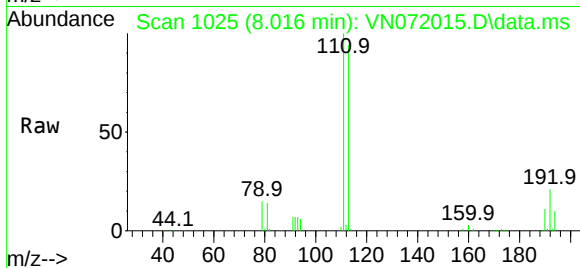
Tgt Ion:113 Resp: 289663

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 22.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

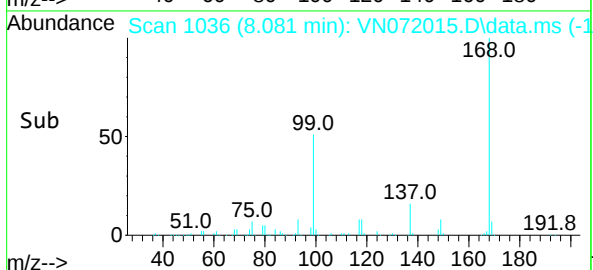
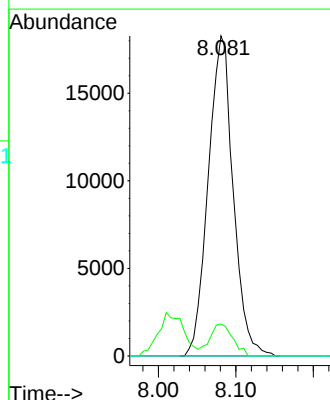
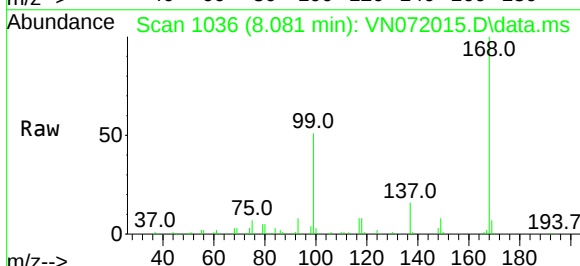
Tgt Ion: 75 Resp: 40918

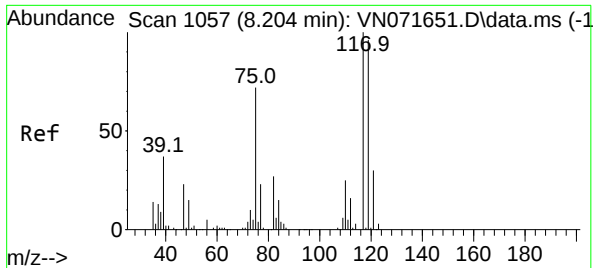
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#

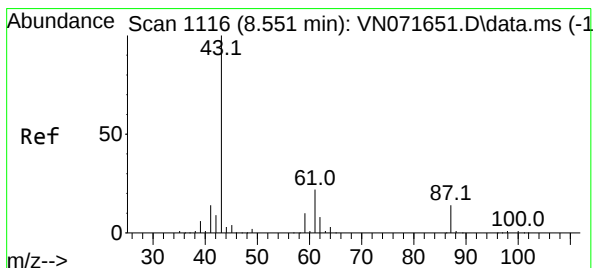
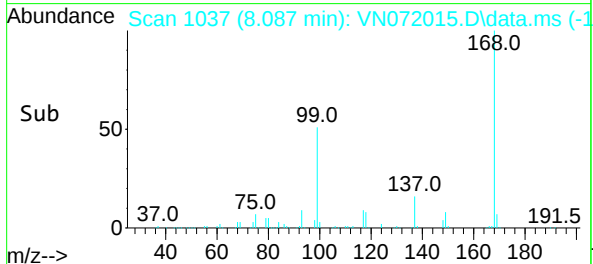
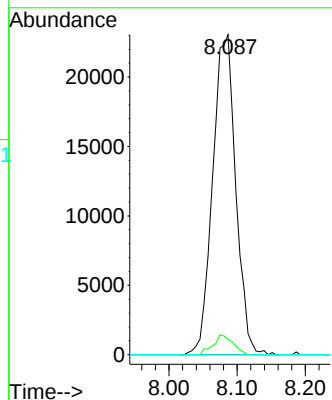
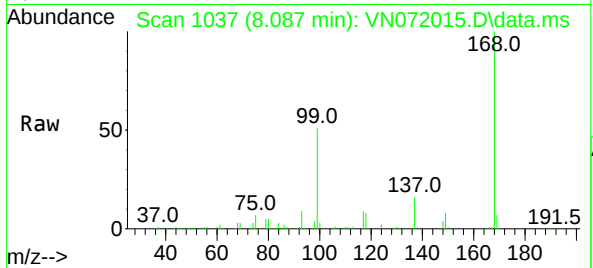




#38
Carbon Tetrachloride
Concen: 6.518 ug/l
RT: 8.087 min Scan# 1117
Delta R.T. -0.117 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

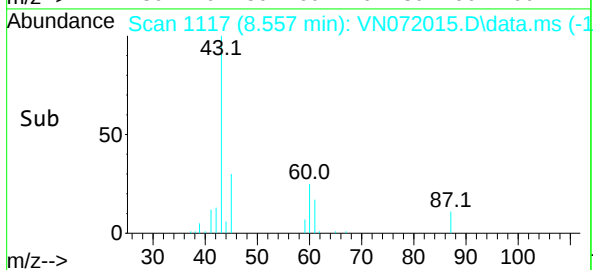
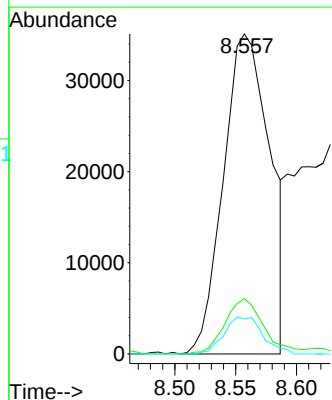
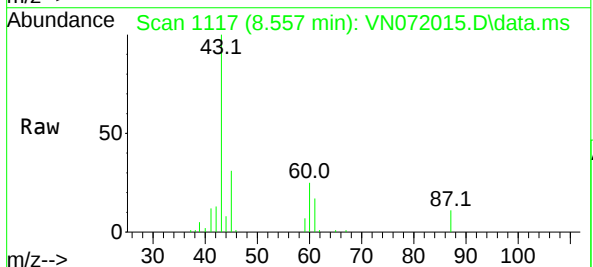
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#03

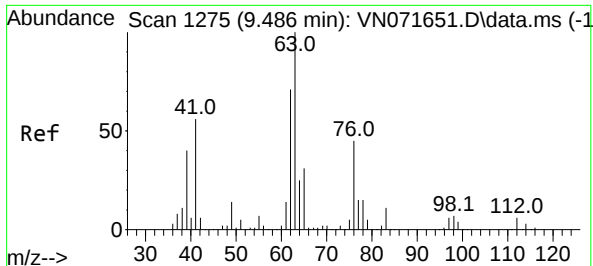
Tgt Ion:117 Resp: 54302
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.019 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

Tgt Ion: 43 Resp: 93136
Ion Ratio Lower Upper
43 100
61 14.4 21.9 32.9#
87 9.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.690 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.136 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

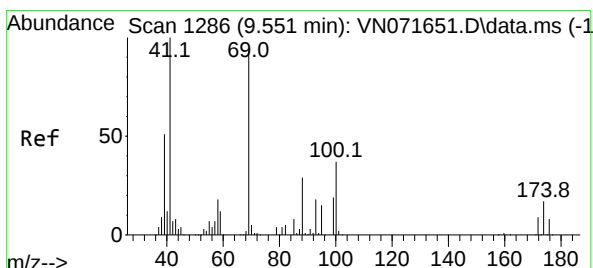
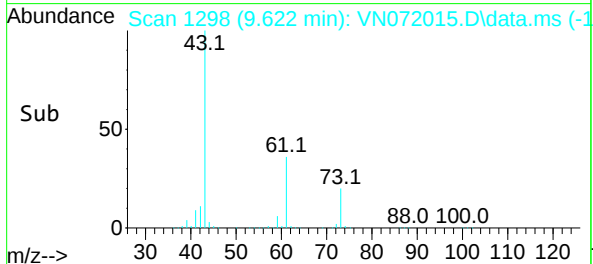
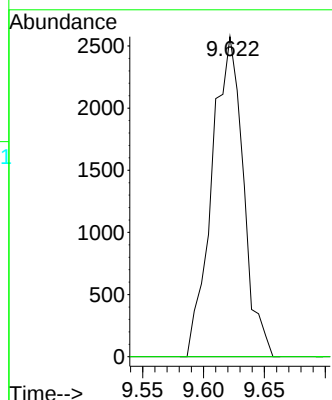
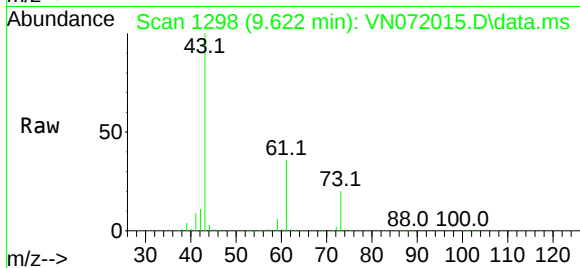
PB144101ZHE#03

Tgt Ion: 63 Resp: 4628

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.420 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

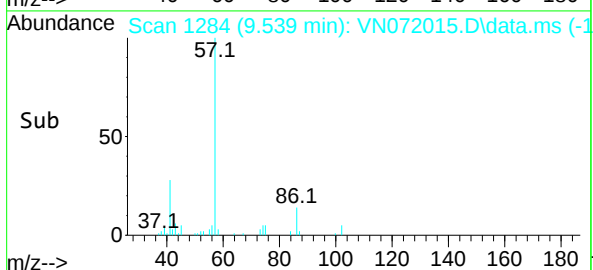
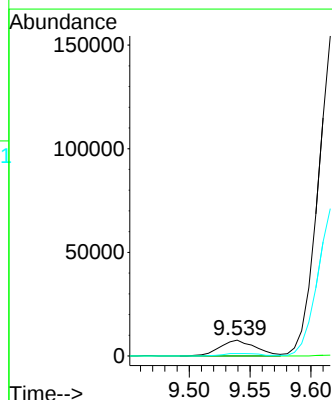
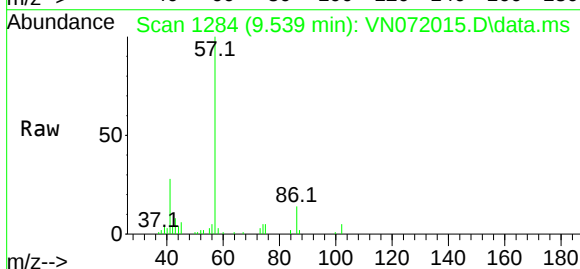
Tgt Ion: 41 Resp: 15536

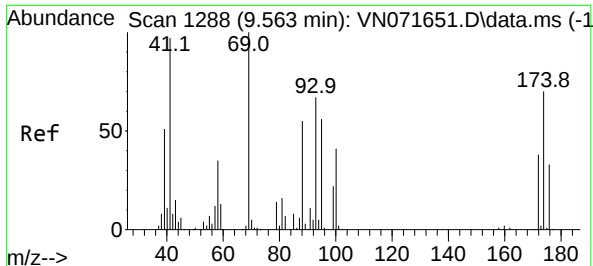
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.616 min Scan# 1288

Delta R.T. 0.053 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#03

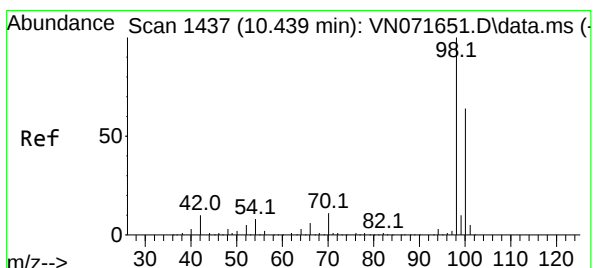
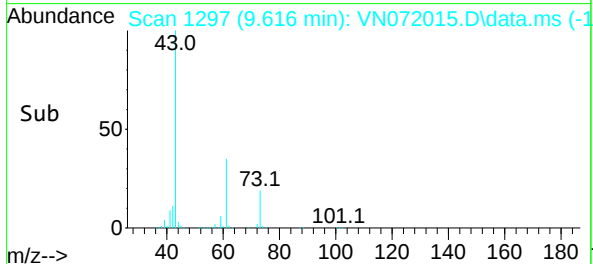
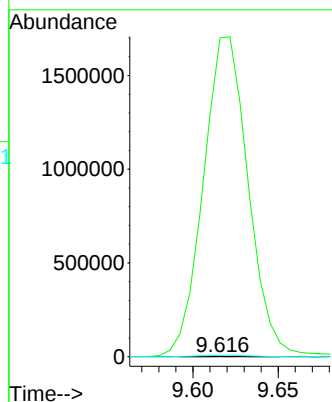
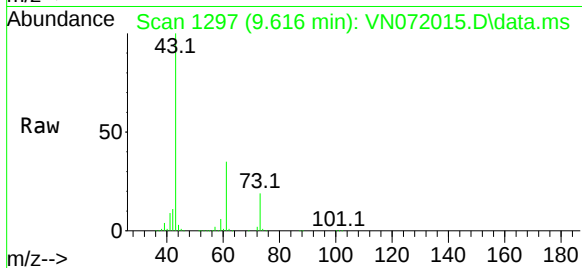
Tgt Ion: 88 Resp: 809

Ion Ratio Lower Upper

88 100

43 390732.4 20.2 30.4#

58 1978.9 54.2 81.4#



#50

Toluene-d8

Concen: 54.684 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072015.D

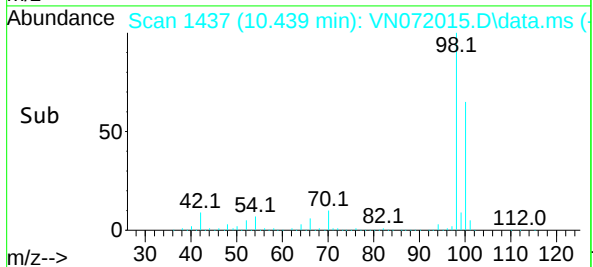
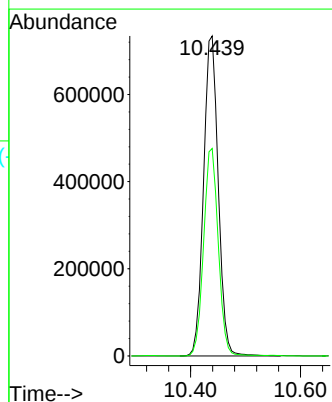
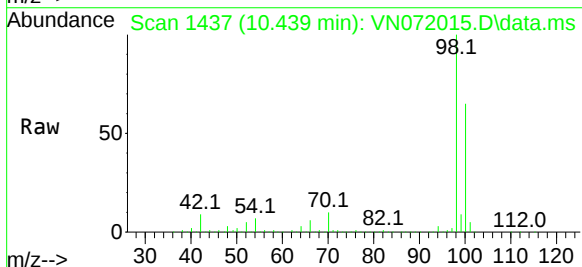
Acq: 15 Apr 2022 20:51

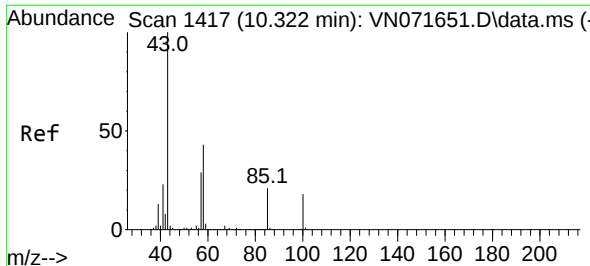
Tgt Ion: 98 Resp: 1361610

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8

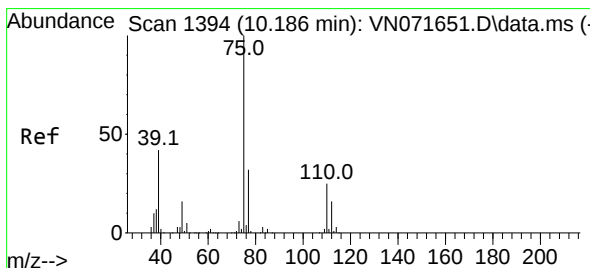
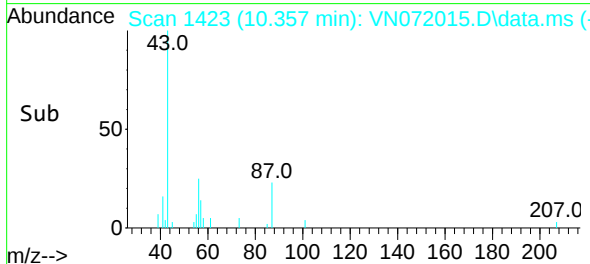
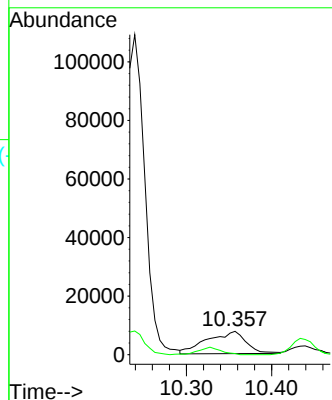
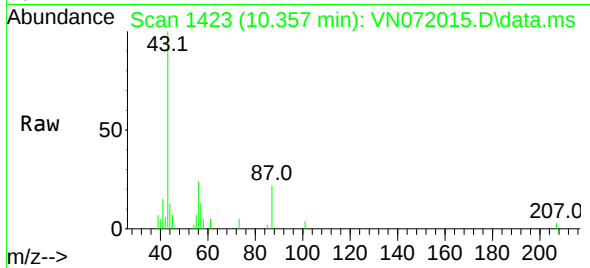




#51
4-Methyl-2-Pentanone
Concen: 2.721 ug/l
RT: 10.357 min Scan# 1417
Delta R.T. 0.035 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

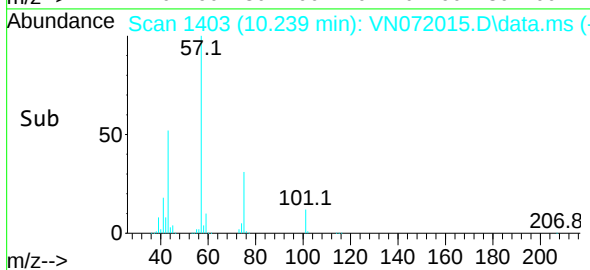
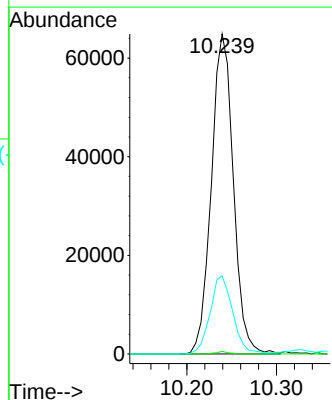
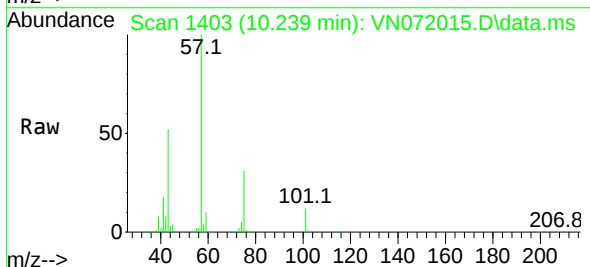
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#03

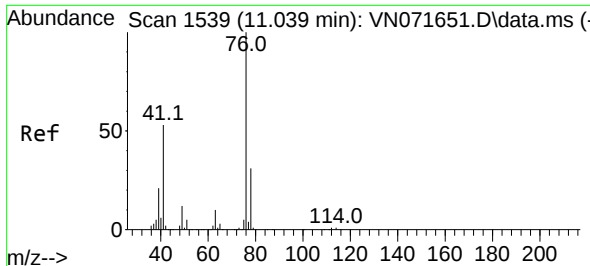
Tgt Ion: 43 Resp: 24212
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 10.653 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

Tgt Ion: 75 Resp: 110603
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 24.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 6.094 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

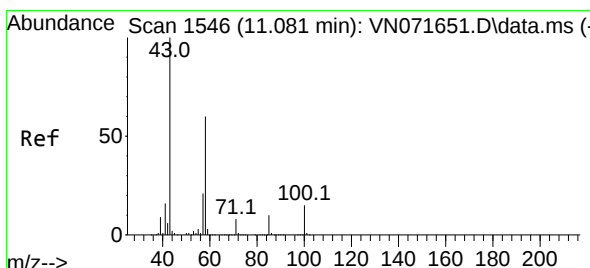
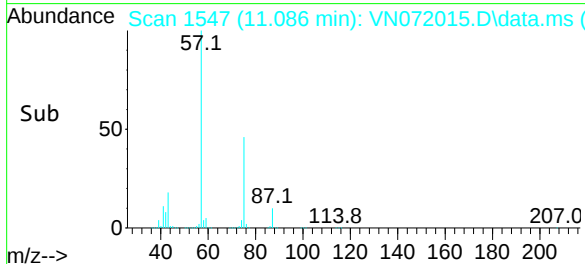
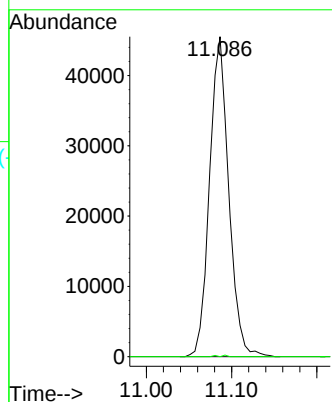
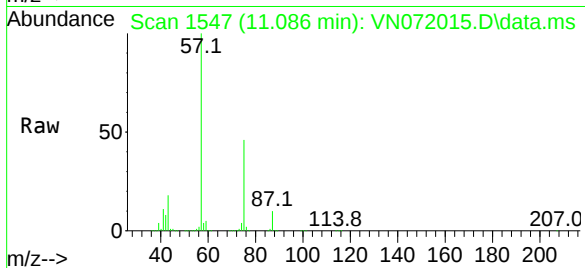
PB144101ZHE#03

Tgt Ion: 76 Resp: 71172

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 133.481 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072015.D

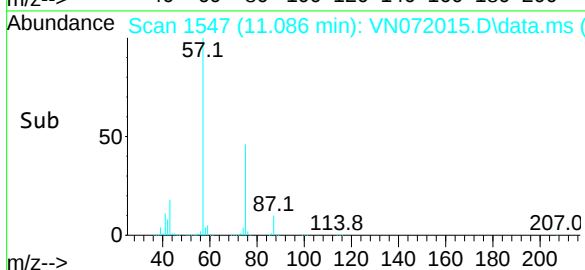
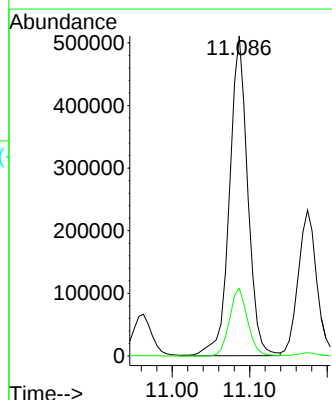
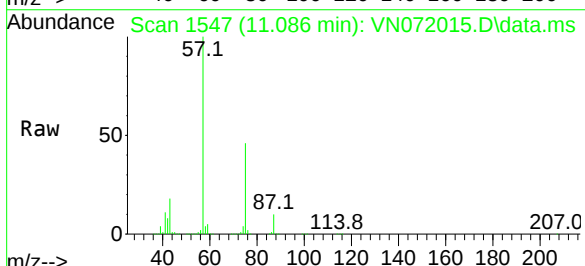
Acq: 15 Apr 2022 20:51

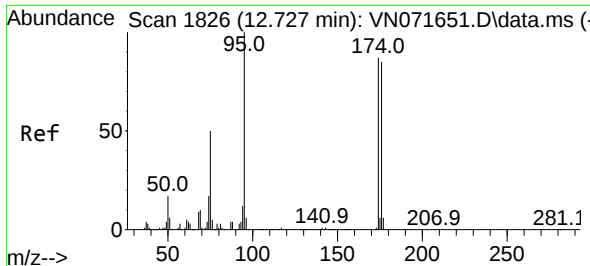
Tgt Ion: 43 Resp: 836123

Ion Ratio Lower Upper

43 100

58 21.0 29.7 89.1#

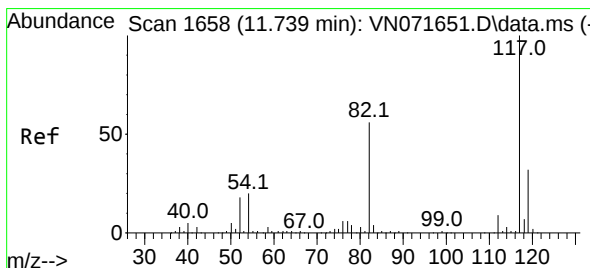
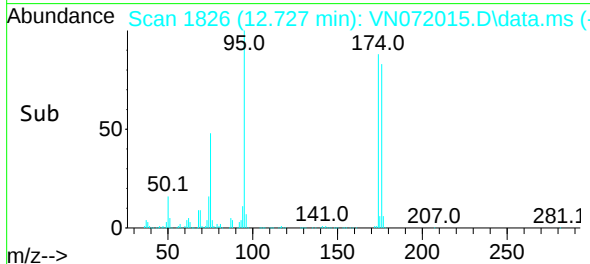
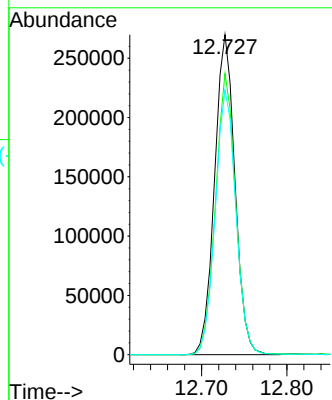
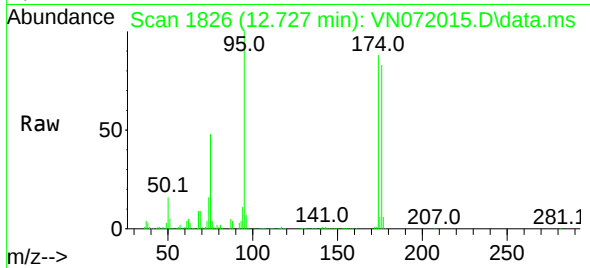




#62
4-Bromofluorobenzene
Concen: 55.684 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

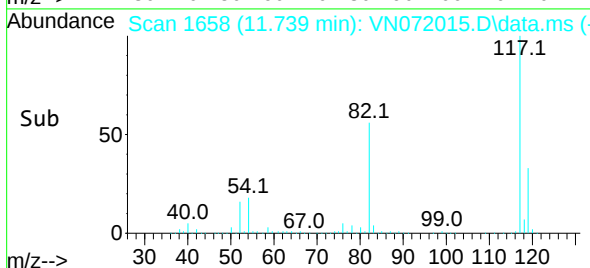
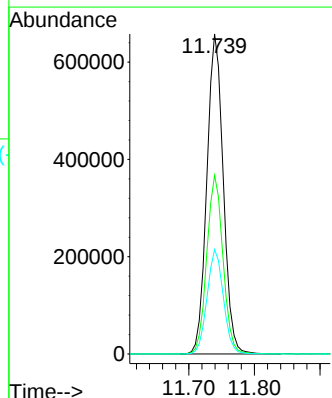
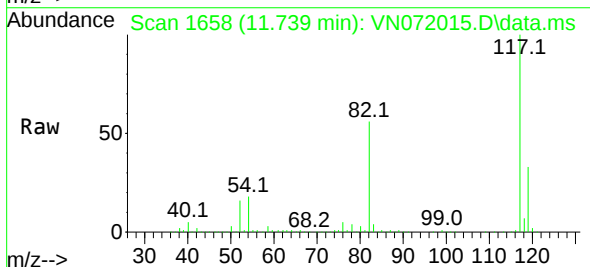
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#03

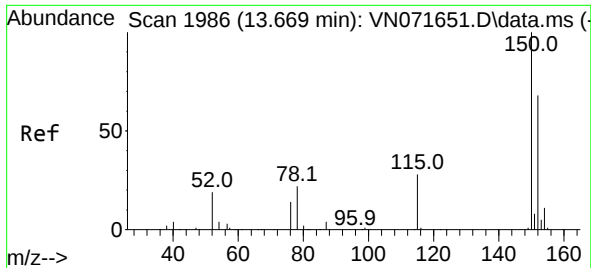
Tgt Ion: 95 Resp: 448423
Ion Ratio Lower Upper
95 100
174 87.4 0.0 167.6
176 83.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072015.D
Acq: 15 Apr 2022 20:51

Tgt Ion: 117 Resp: 1147842
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.7 25.4 38.0

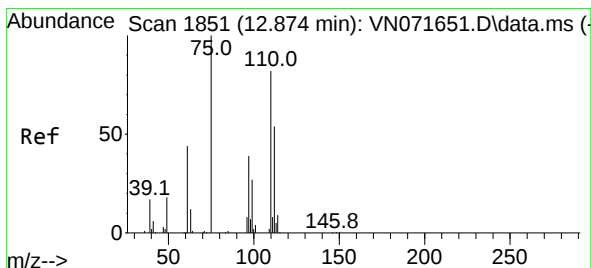
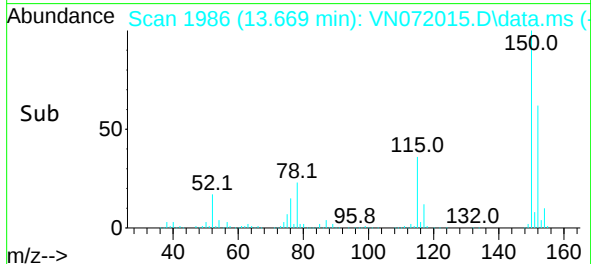
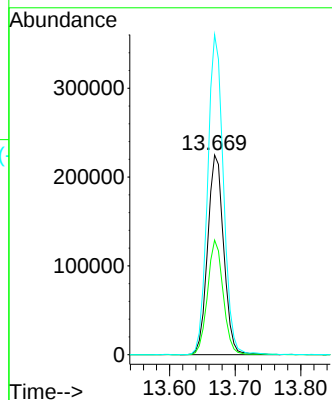
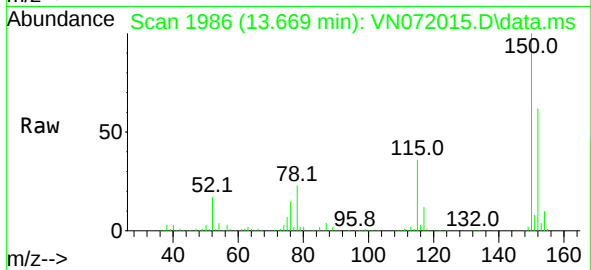




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN072015.D
 Acq: 15 Apr 2022 20:51

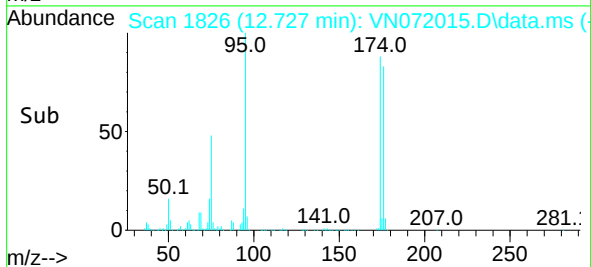
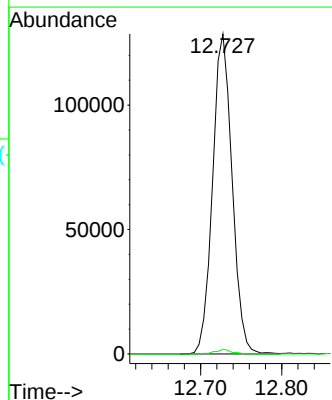
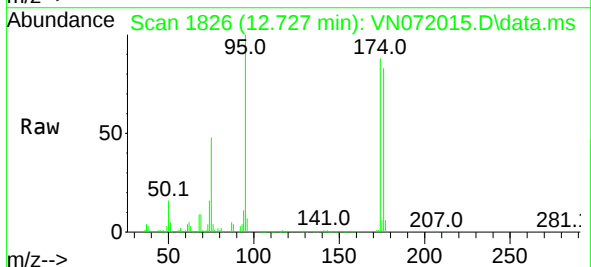
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#03

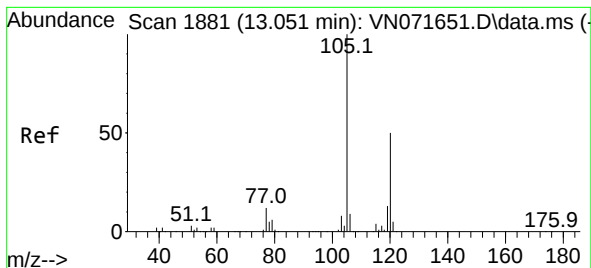
Tgt Ion:152 Resp: 383505
 Ion Ratio Lower Upper
 152 100
 115 56.1 28.9 86.7
 150 157.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.161 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072015.D
 Acq: 15 Apr 2022 20:51

Tgt Ion: 75 Resp: 214652
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.440 ug/l

RT: 13.051 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

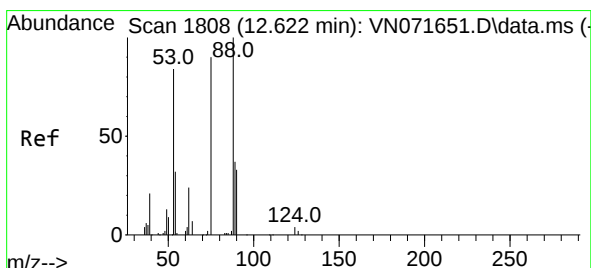
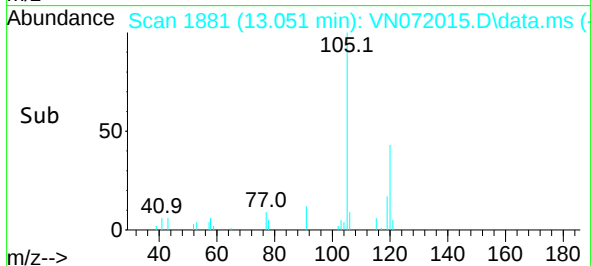
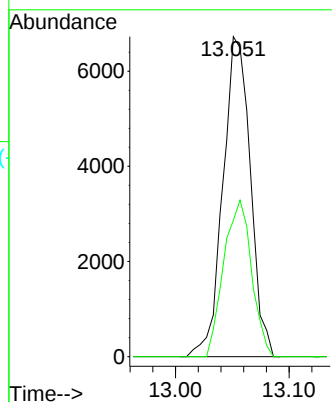
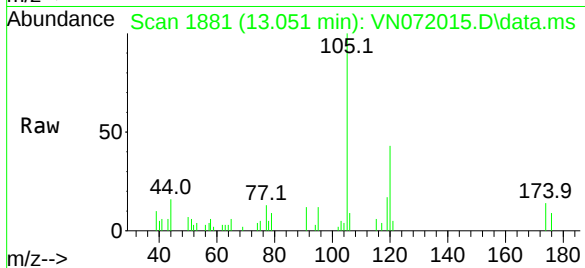
PB144101ZHE#03

Tgt Ion:105 Resp: 11271

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 74.874 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.105 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

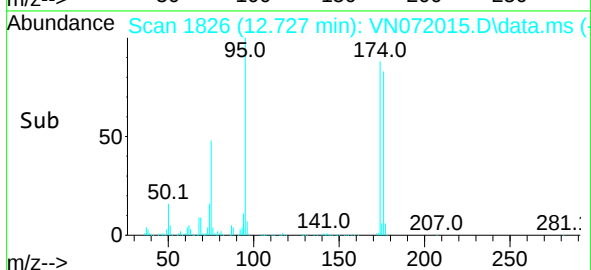
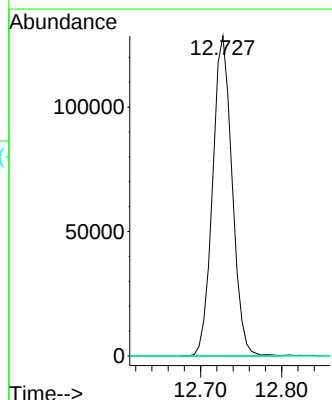
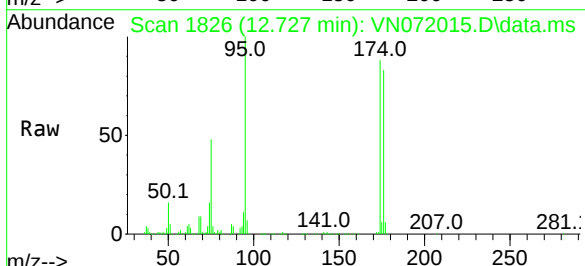
Tgt Ion: 75 Resp: 214652

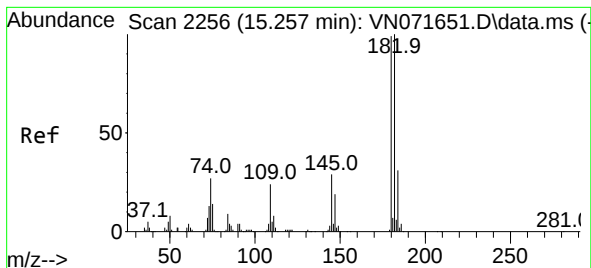
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 2.096 ug/l

RT: 15.263 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072015.D

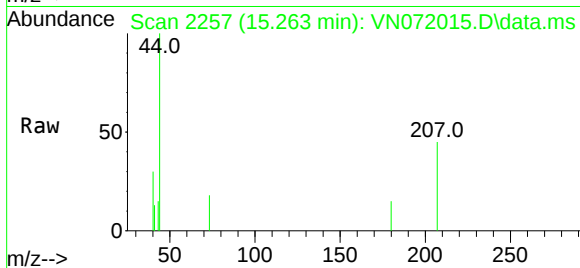
Acq: 15 Apr 2022 20:51

Instrument :

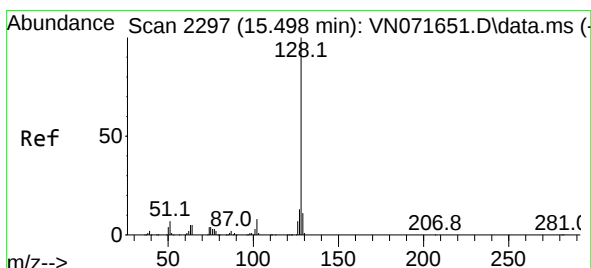
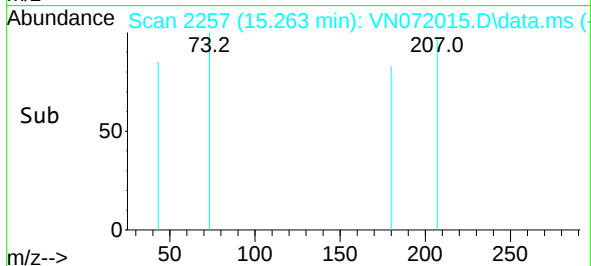
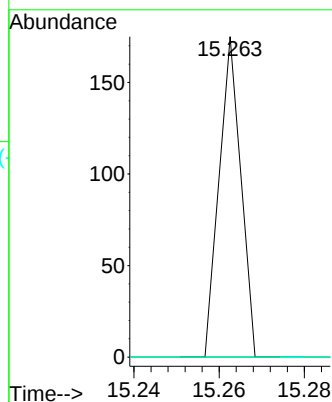
MSVOA_N

ClientSampleId :

PB144101ZHE#03



Tgt Ion:180	Resp:	62
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.5 142.5#
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 3.845 ug/l

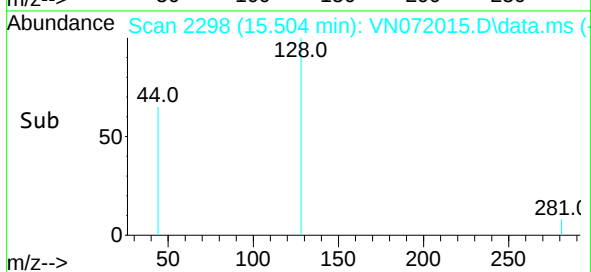
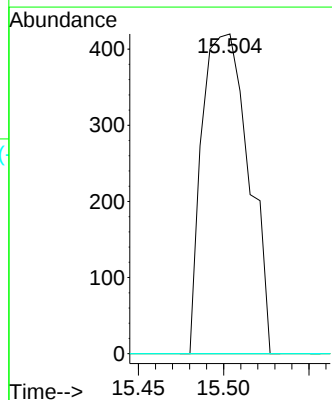
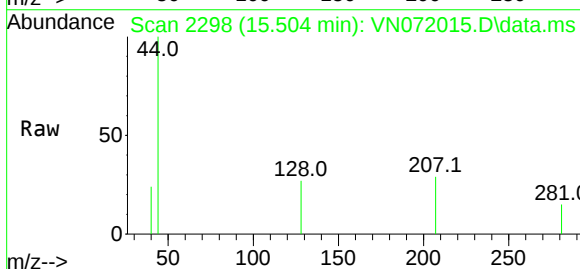
RT: 15.504 min Scan# 2298

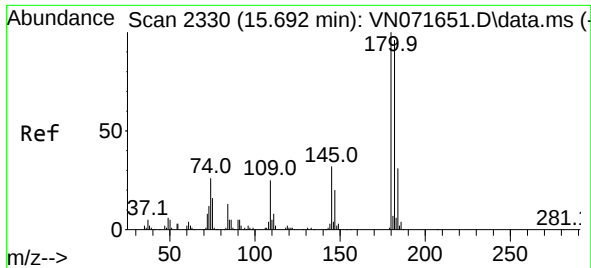
Delta R.T. 0.006 min

Lab File: VN072015.D

Acq: 15 Apr 2022 20:51

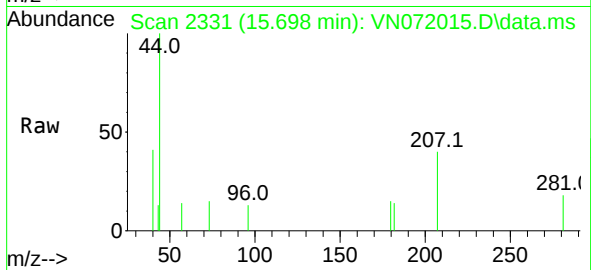
Tgt Ion:128	Resp:	799
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.433 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072015.D
 Acq: 15 Apr 2022 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#03



Tgt Ion	Ratio	Lower	Upper
180	100		
182	213.0	47.8	143.3#
145	0.0	15.5	46.5#

