

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072102.D
 Acq On : 21 Apr 2022 01:54
 Operator : JC\MD
 Sample : N2482-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 03:41:28 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)

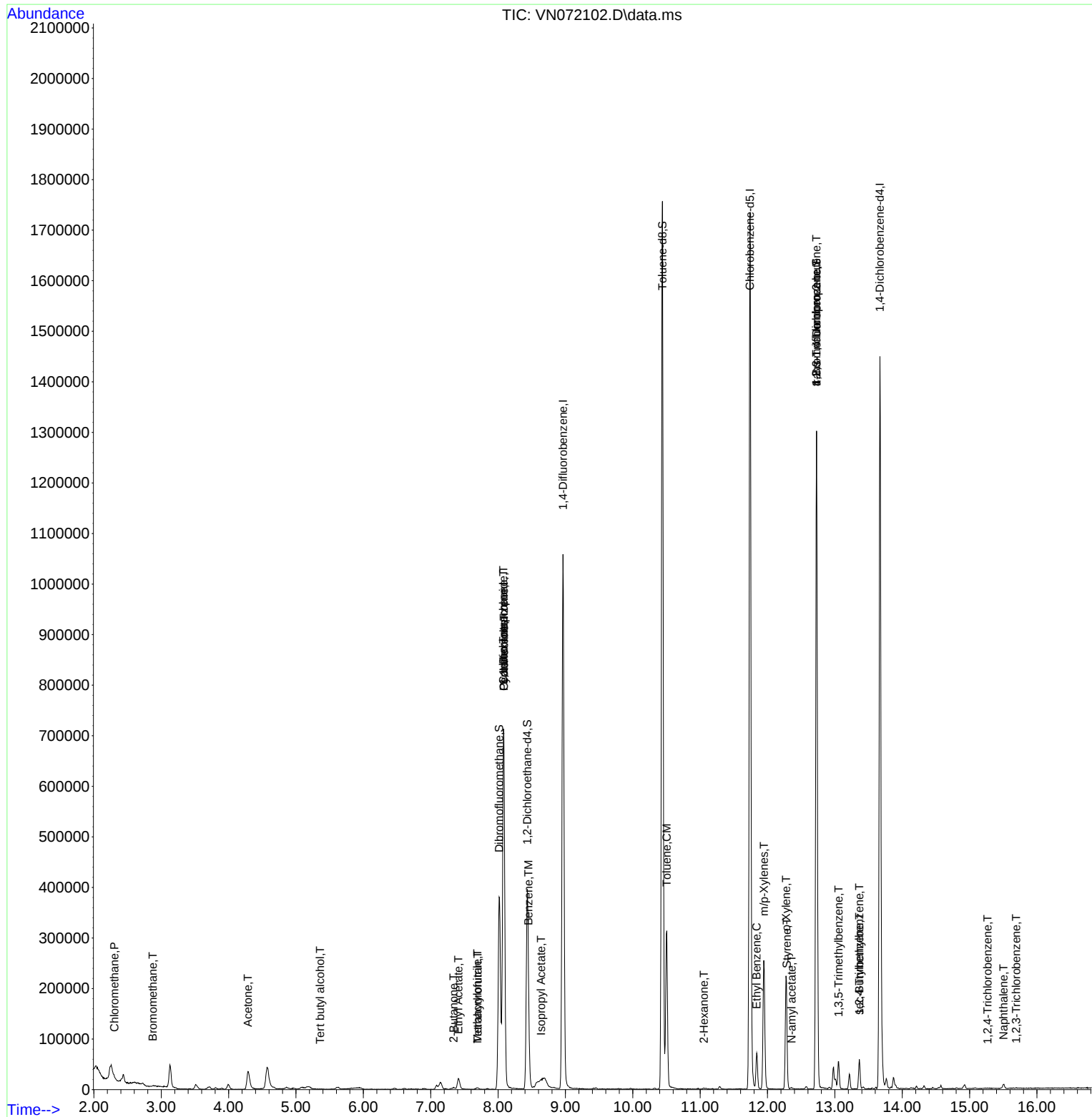
Internal Standards						
1) Pentafluorobenzene	8.087	168	603652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	991869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1095159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	431884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	319475	46.359	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.720%		
35) Dibromofluoromethane	8.016	113	291651	49.969	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.940%		
50) Toluene-d8	10.439	98	1283211	53.745	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.480%		
62) 4-Bromofluorobenzene	12.727	95	464430	60.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	120.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1871	0.308	ug/l	95
5) Bromomethane	2.875	94	1356	0.312	ug/l #	75
11) Tert butyl alcohol	5.357	59	865	0.773	ug/l #	72
16) Acetone	4.287	43	62897	21.356	ug/l	92
18) Methyl Acetate	4.851	43	7553	Below Cal		97
25) 2-Butanone	7.340	43	5989	1.411	ug/l	100
29) Tetrahydrofuran	7.698	42	2209	0.804	ug/l #	85
31) Cyclohexane	8.087	56	12971	1.384	ug/l #	18
36) 1,1-Dichloropropene	8.081	75	39246	4.815	ug/l #	49
37) Ethyl Acetate	7.410	43	31357	3.515	ug/l #	93
38) Carbon Tetrachloride	8.081	117	53276	6.670	ug/l #	16
40) Benzene	8.451	78	35172	1.366	ug/l	96
41) Methacrylonitrile	7.692	41	1269	0.291	ug/l #	31
43) Isopropyl Acetate	8.639	43	27031	1.822	ug/l #	56
52) Toluene	10.504	92	141320	8.683	ug/l	100
59) 2-Hexanone	11.057	43	1663	0.277	ug/l #	21
67) Ethyl Benzene	11.839	91	53631	1.445	ug/l	99
68) m/p-Xylenes	11.945	106	88402	6.198	ug/l	98
69) o-Xylene	12.275	106	67068	4.737	ug/l	99
70) Styrene	12.286	104	5936	0.277	ug/l #	1
74) N-amyl acetate	12.357	43	3002	0.288	ug/l #	39
76) 1,2,3-Trichloropropane	12.727	75	225831	22.572	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	29509	1.023	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	225831	69.950	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	33902	1.205	ug/l	98
85) sec-Butylbenzene	13.363	105	33902	0.992	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.268	180	411	2.143	ug/l #	66
95) Naphthalene	15.504	128	9987	4.272	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	471	2.481	ug/l #	75

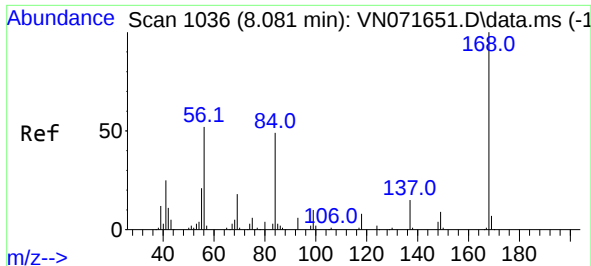
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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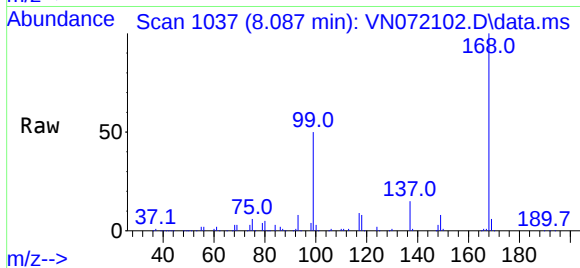
Quant Time: Apr 21 03:41:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
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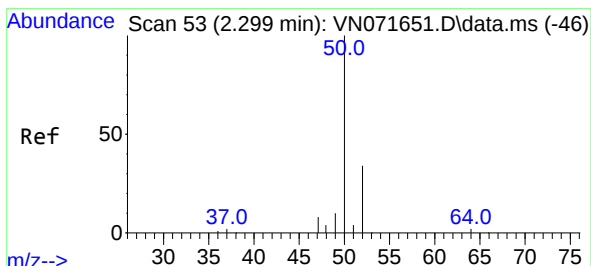
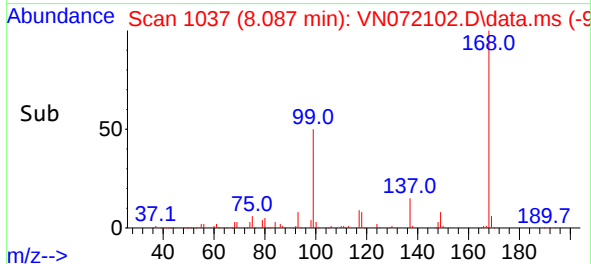
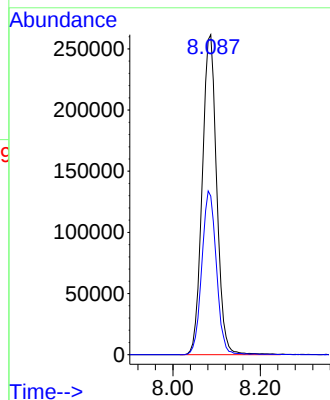


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Instrument :
MSVOA_N
ClientSampleId :

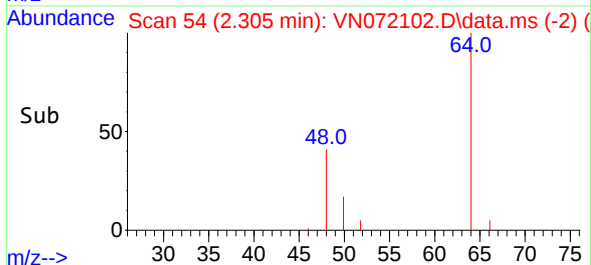
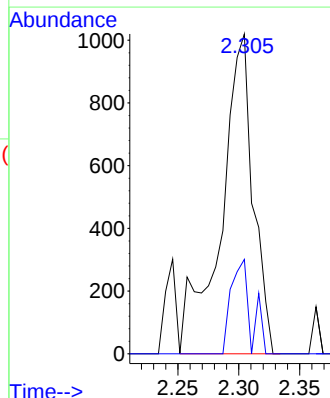
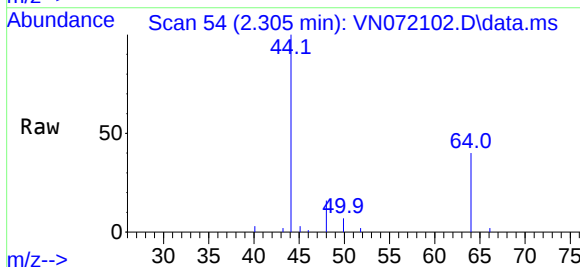


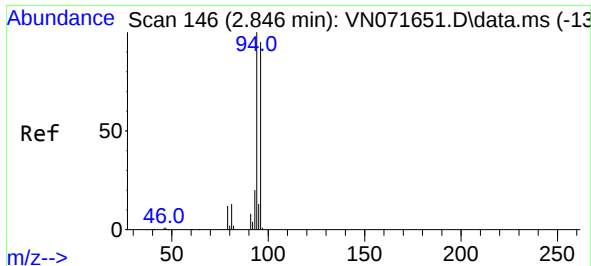
Tgt Ion:168 Resp: 603652
Ion Ratio Lower Upper
168 100
99 49.5 42.3 63.5



#3
Chloromethane
Concen: 0.308 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 50 Resp: 1871
Ion Ratio Lower Upper
50 100
52 29.5 25.7 38.5

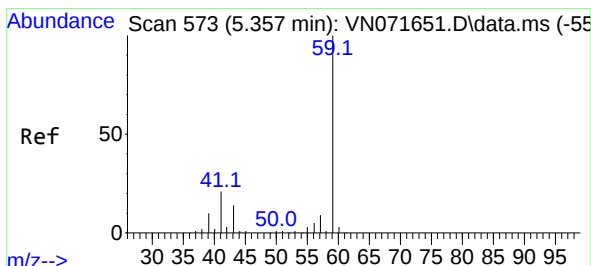
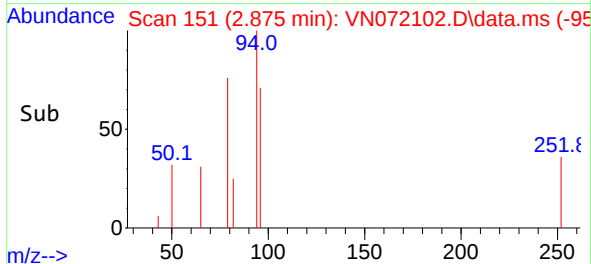
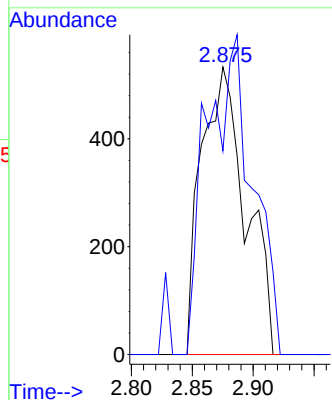
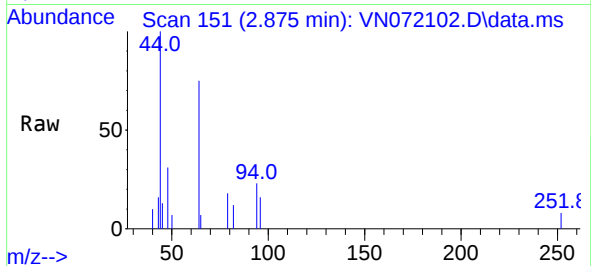




#5
Bromomethane
Concen: 0.312 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

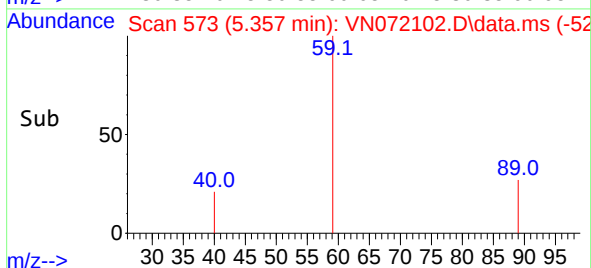
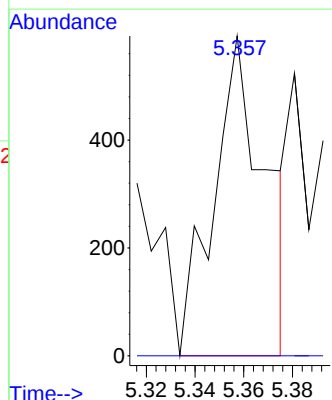
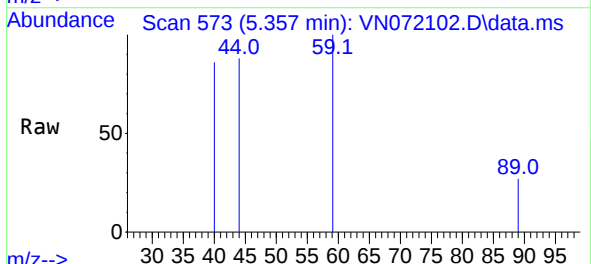
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 1356
Ion Ratio Lower Upper
94 100
96 70.9 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.773 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 59 Resp: 865
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

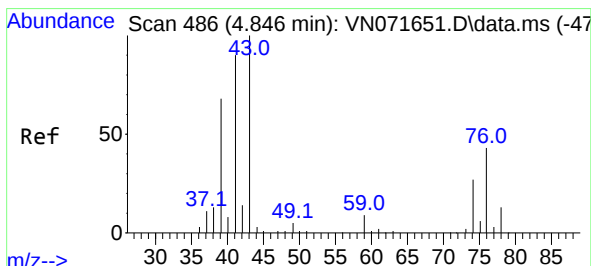
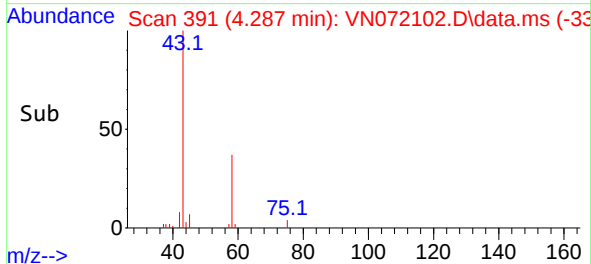
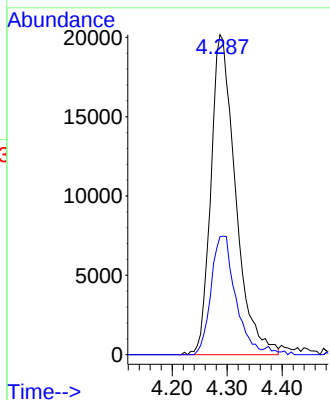
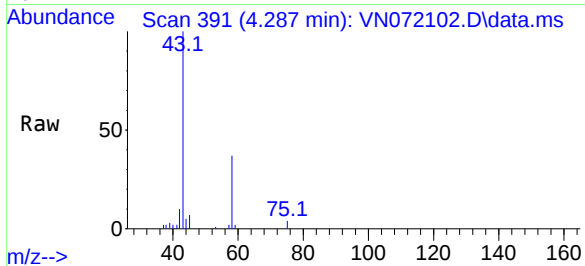




#16
Acetone
Concen: 21.356 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

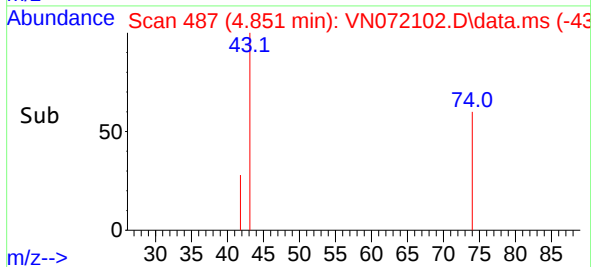
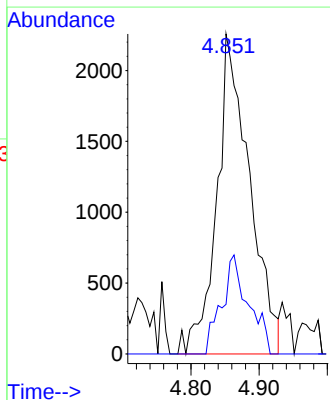
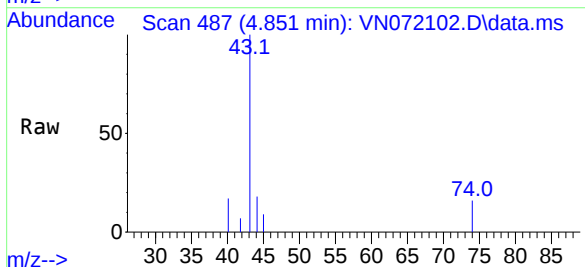
Instrument :
MSVOA_N
ClientSampleId :

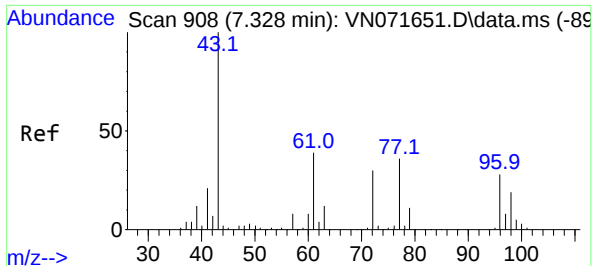
Tgt Ion: 43 Resp: 62897
Ion Ratio Lower Upper
43 100
58 36.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 43 Resp: 7553
Ion Ratio Lower Upper
43 100
74 25.3 21.6 32.4





#25

2-Butanone

Concen: 1.411 ug/l

RT: 7.340 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN072102.D

Acq: 21 Apr 2022 01:54

Instrument :

MSVOA_N

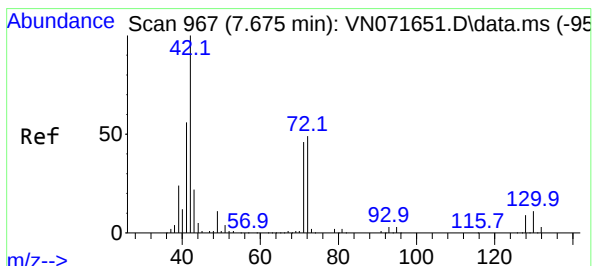
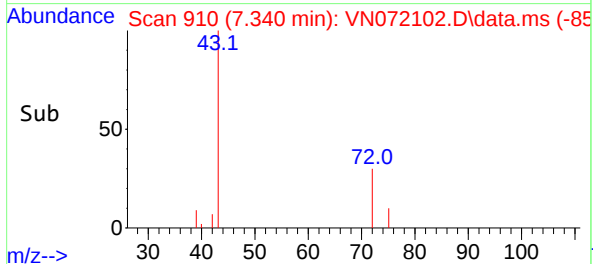
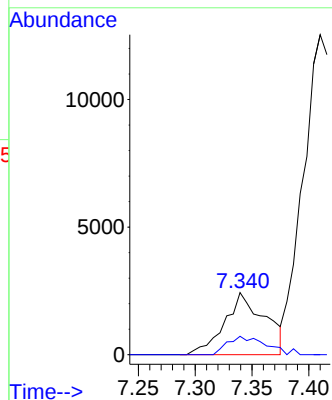
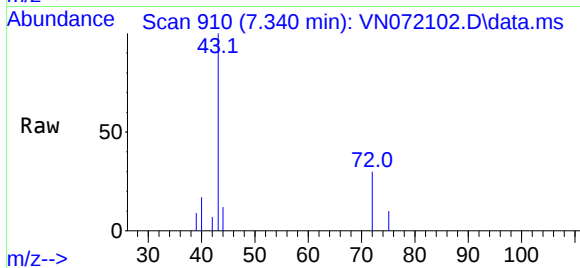
ClientSampleId :

Tgt Ion: 43 Resp: 5989

Ion Ratio Lower Upper

43 100

72 29.5 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.804 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN072102.D

Acq: 21 Apr 2022 01:54

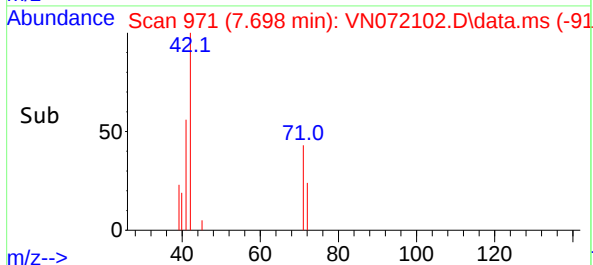
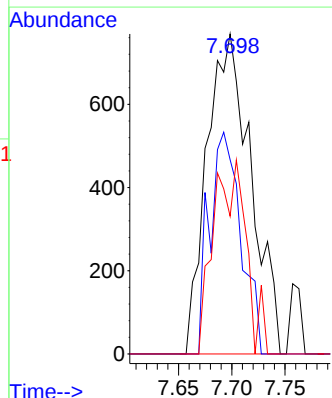
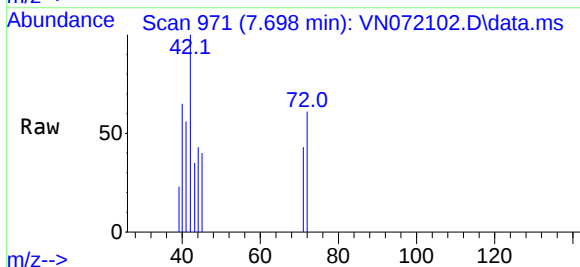
Tgt Ion: 42 Resp: 2209

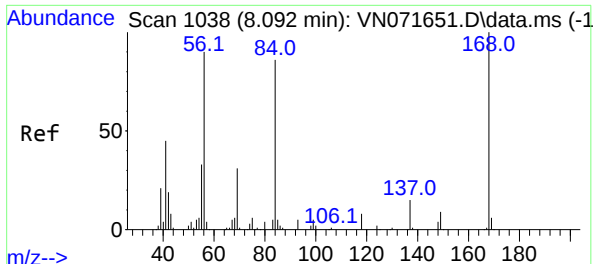
Ion Ratio Lower Upper

42 100

72 49.4 39.7 59.5

71 25.6 36.6 55.0#





#31

Cyclohexane

Concen: 1.384 ug/l

RT: 8.087 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN072102.D

Acq: 21 Apr 2022 01:54

Instrument :

MSVOA_N

ClientSampleId :

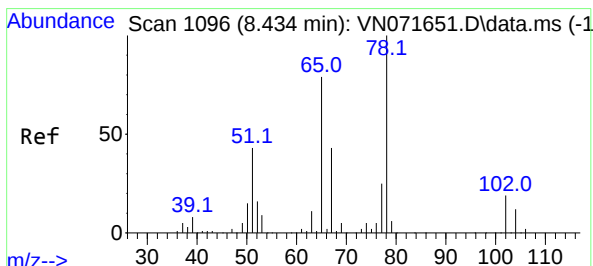
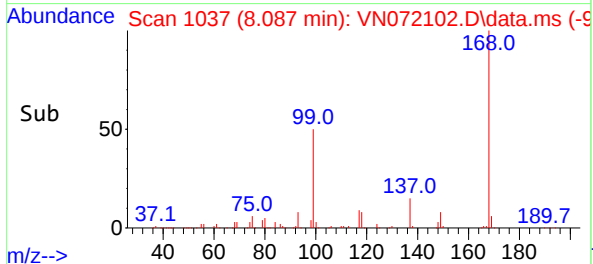
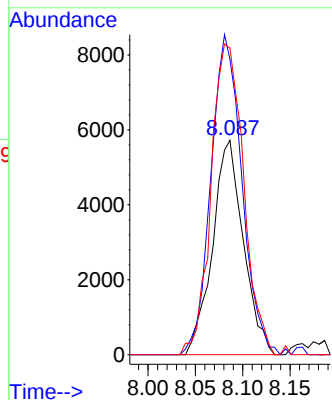
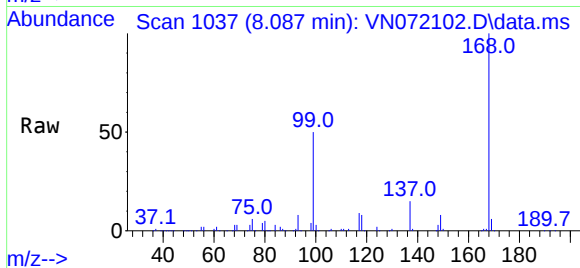
Tgt Ion: 56 Resp: 12971

Ion Ratio Lower Upper

56 100

69 137.7 27.8 41.8#

84 143.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.359 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072102.D

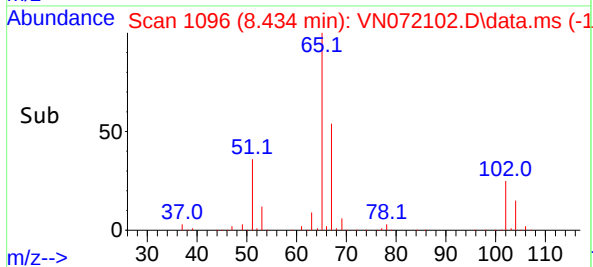
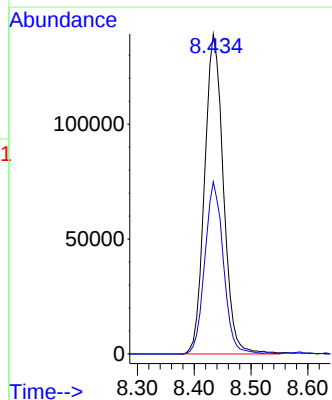
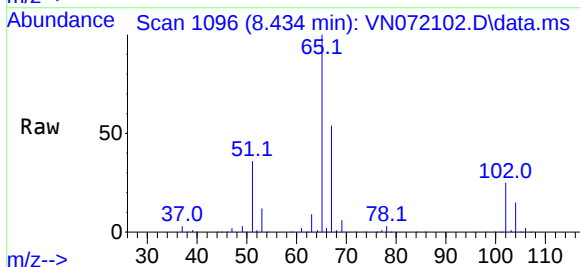
Acq: 21 Apr 2022 01:54

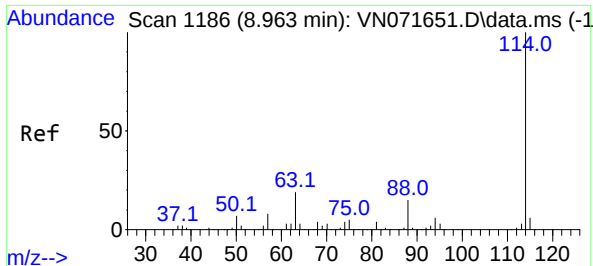
Tgt Ion: 65 Resp: 319475

Ion Ratio Lower Upper

65 100

67 53.0 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: VN072102.D

Acq: 21 Apr 2022 01:54

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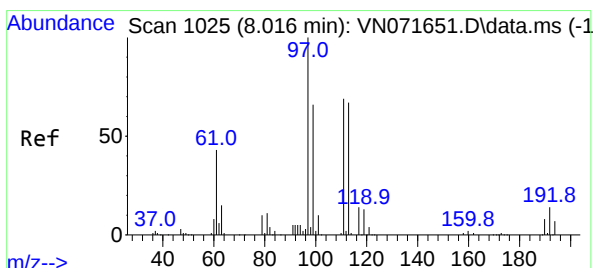
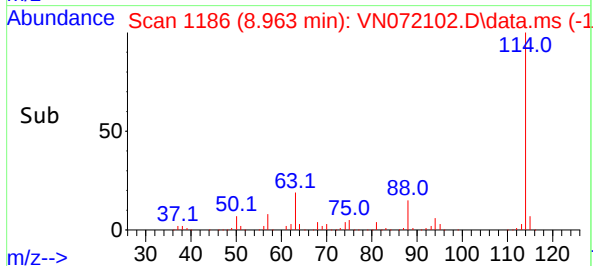
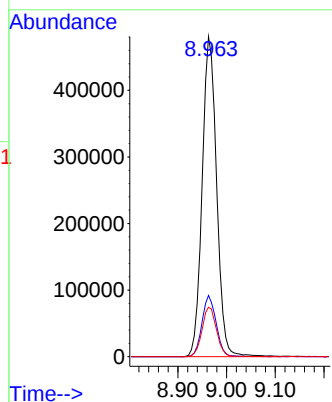
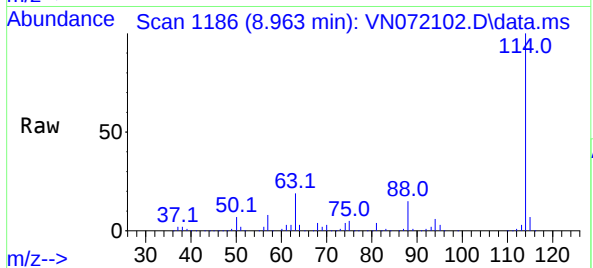
Tgt Ion:114 Resp: 991869

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.969 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072102.D

Acq: 21 Apr 2022 01:54

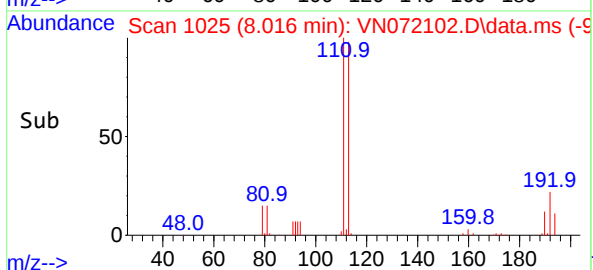
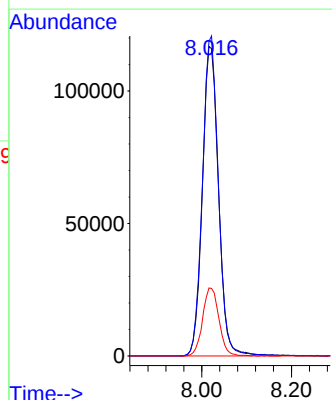
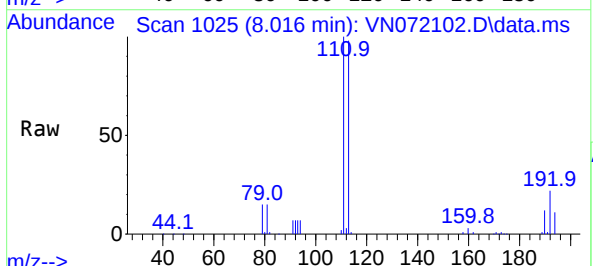
Tgt Ion:113 Resp: 291651

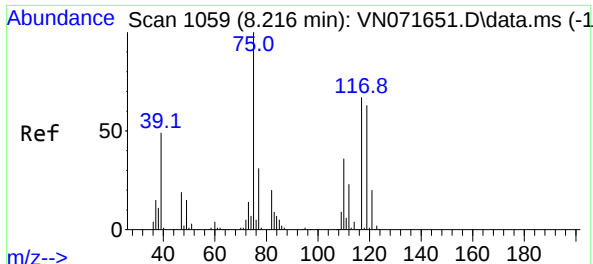
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 22.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072102.D

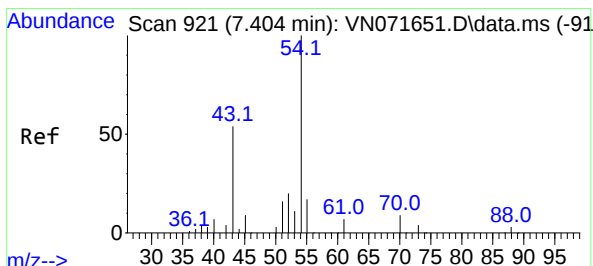
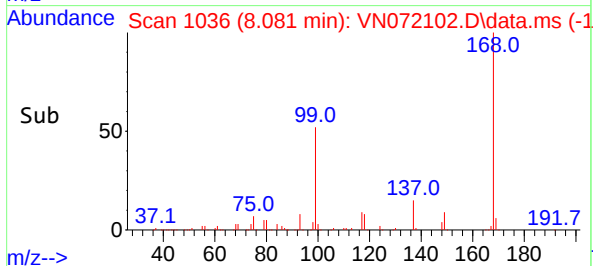
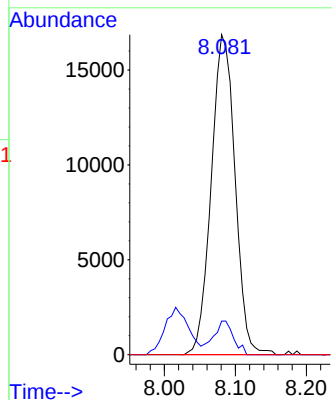
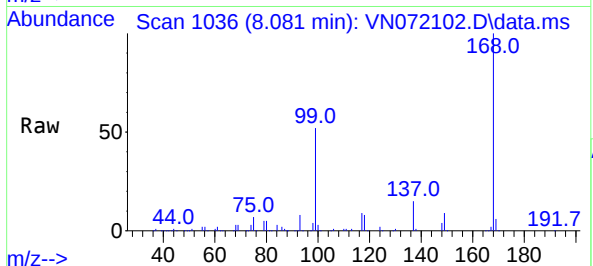
Acq: 21 Apr 2022 01:54

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 39246
Ion Ratio	Lower Upper
75 100	
110 8.9	18.3 54.8#
77 0.0	25.1 37.7#



#37

Ethyl Acetate

Concen: 3.515 ug/l

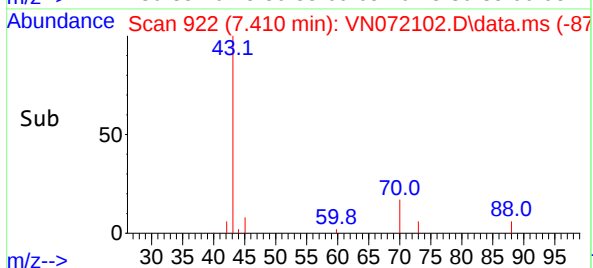
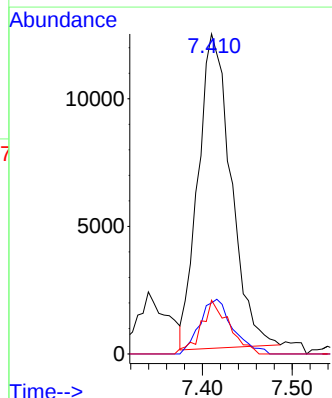
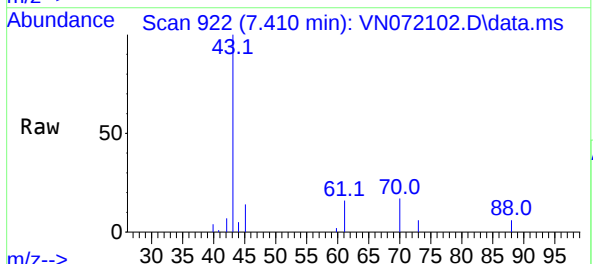
RT: 7.410 min Scan# 922

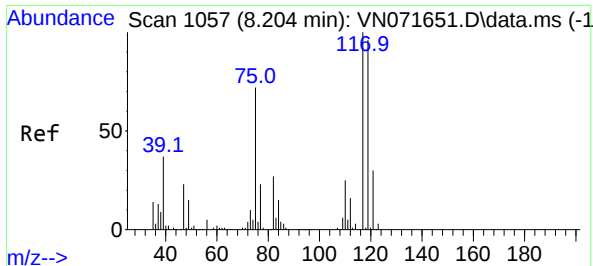
Delta R.T. 0.006 min

Lab File: VN072102.D

Acq: 21 Apr 2022 01:54

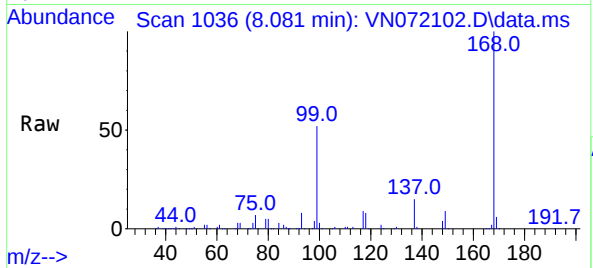
Tgt Ion: 43	Resp: 31357
Ion Ratio	Lower Upper
43 100	
61 17.5	11.8 17.6
70 14.6	9.3 13.9#



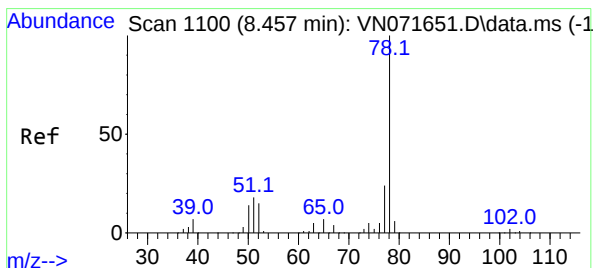
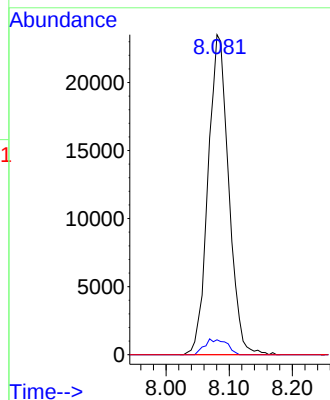
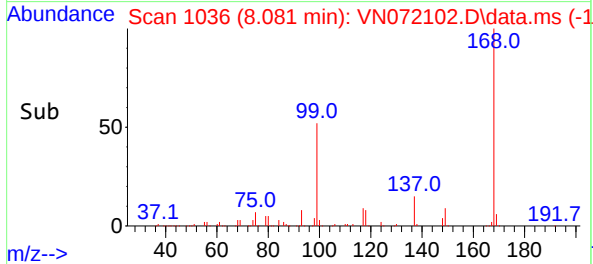


#38
Carbon Tetrachloride
Concen: 6.670 ug/l
RT: 8.081 min Scan# 1099
Delta R.T. -0.123 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

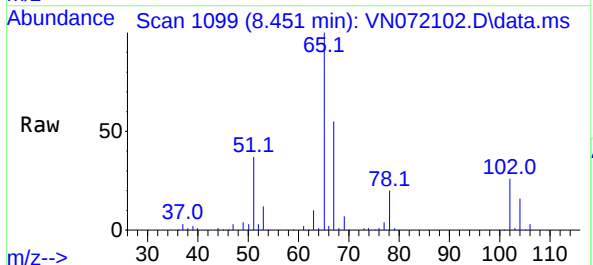
Instrument :
MSVOA_N
ClientSampleId :



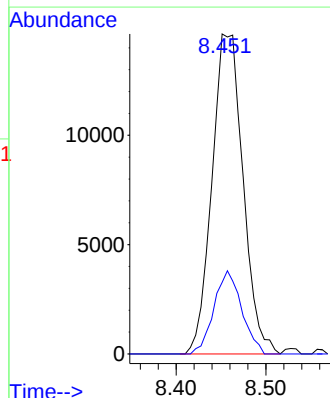
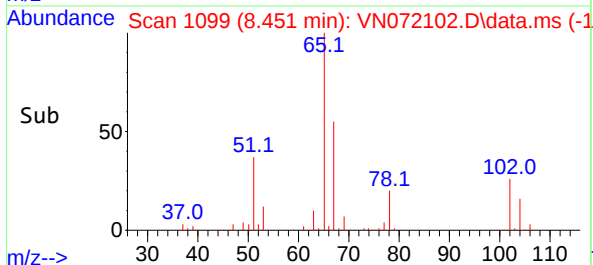
Tgt Ion:117 Resp: 53276
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#

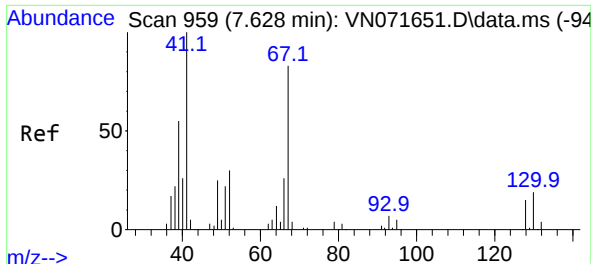


#40
Benzene
Concen: 1.366 ug/l
RT: 8.451 min Scan# 1099
Delta R.T. -0.006 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54



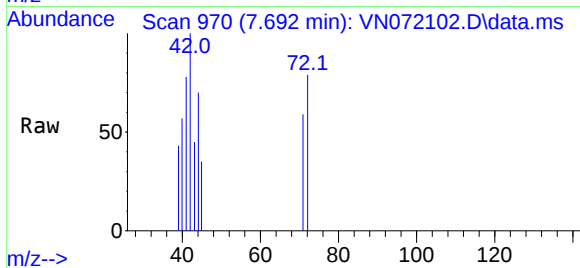
Tgt Ion: 78 Resp: 35172
Ion Ratio Lower Upper
78 100
77 22.4 19.4 29.0





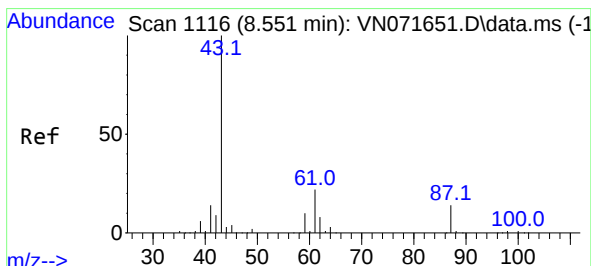
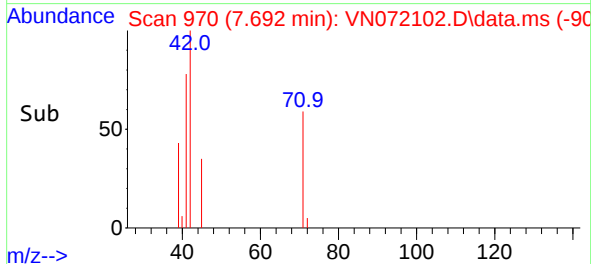
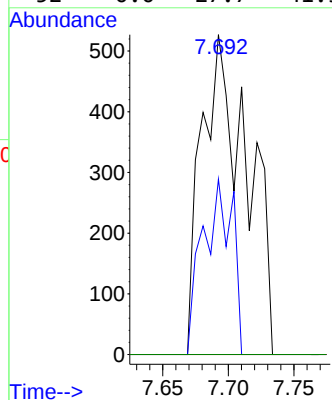
#41
Methacrylonitrile
Concen: 0.291 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.064 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 41 Resp: 1269

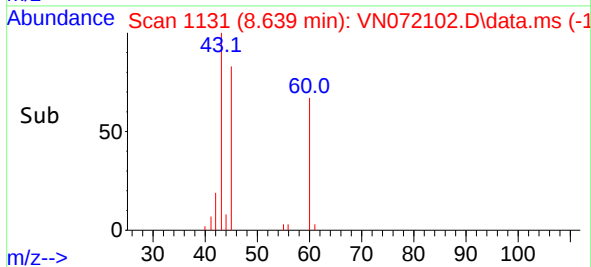
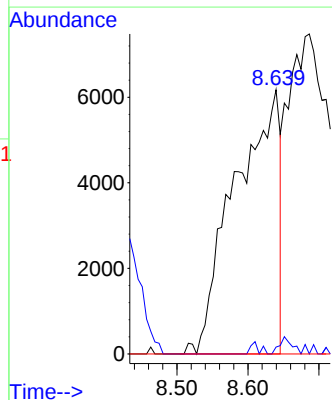
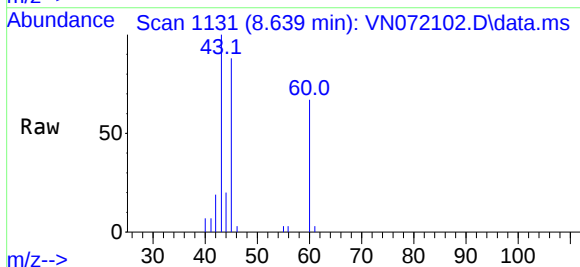
Ion	Ratio	Lower	Upper
41	100		
39	35.5	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#

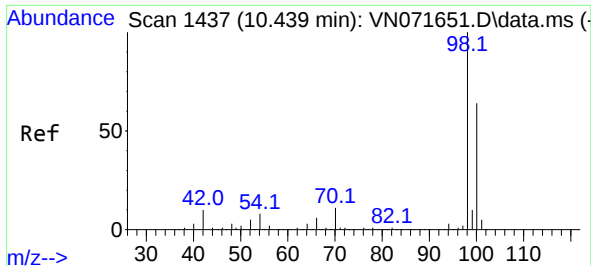


#43
Isopropyl Acetate
Concen: 1.822 ug/l
RT: 8.639 min Scan# 1131
Delta R.T. 0.088 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 43 Resp: 27031

Ion	Ratio	Lower	Upper
43	100		
61	1.8	21.9	32.9#
87	0.0	12.0	18.0#

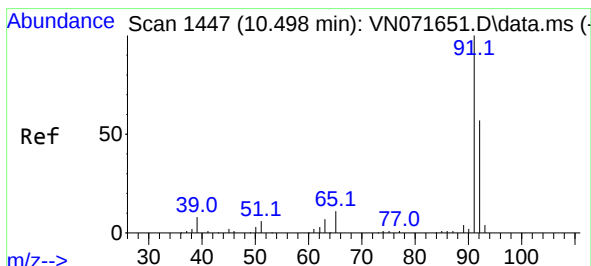
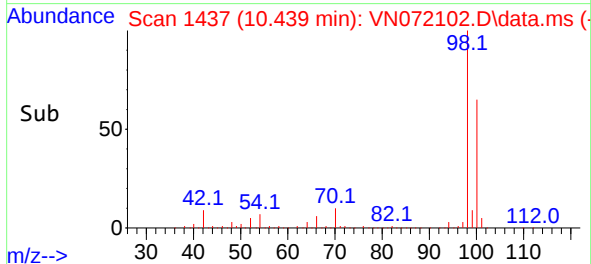
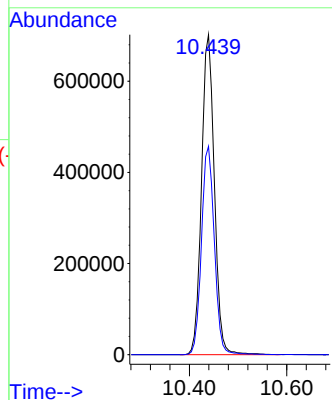
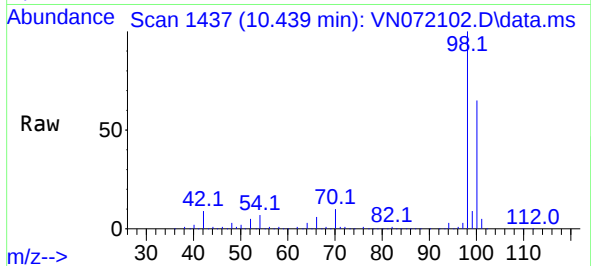




#50
Toluene-d8
Concen: 53.745 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

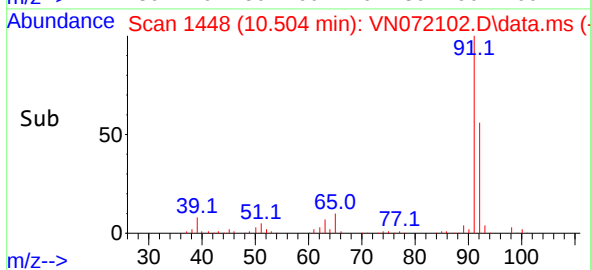
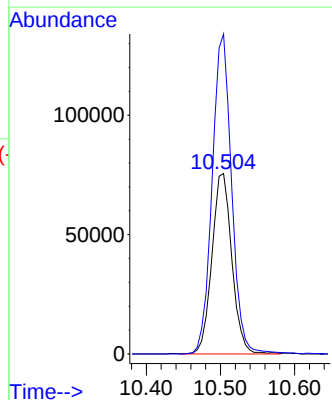
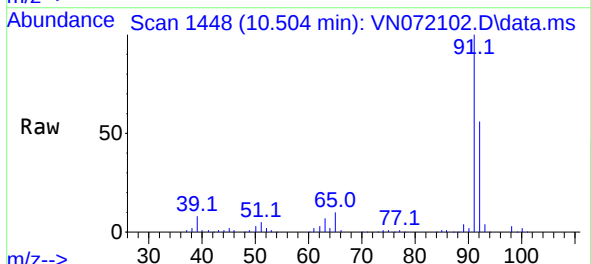
Instrument :
MSVOA_N
ClientSampleId :

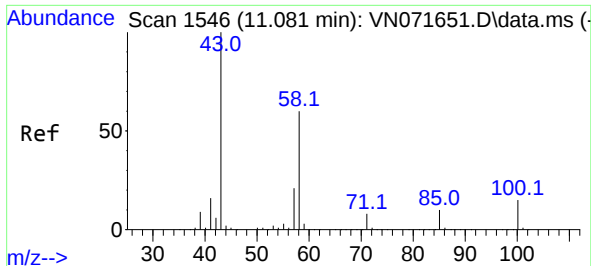
Tgt Ion: 98 Resp: 1283211
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#52
Toluene
Concen: 8.683 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 92 Resp: 141320
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8

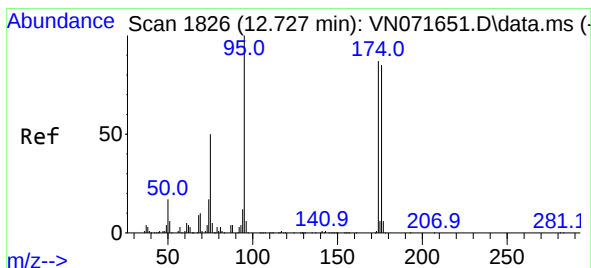
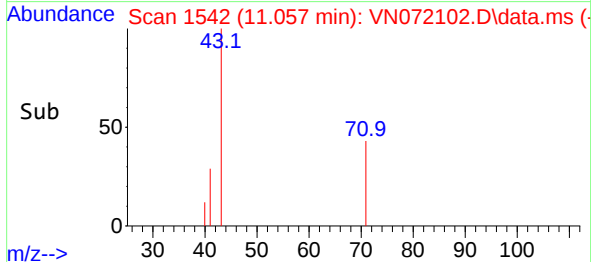
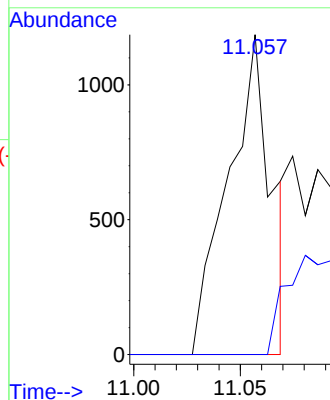
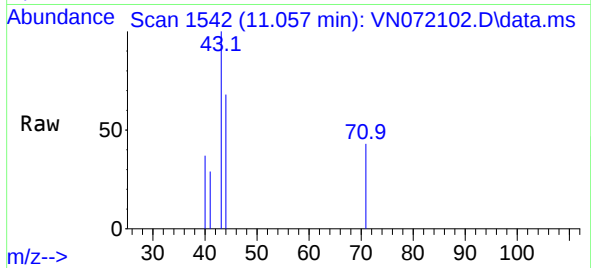




#59
2-Hexanone
Concen: 0.277 ug/l
RT: 11.057 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

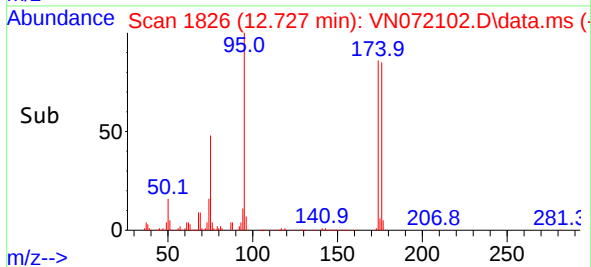
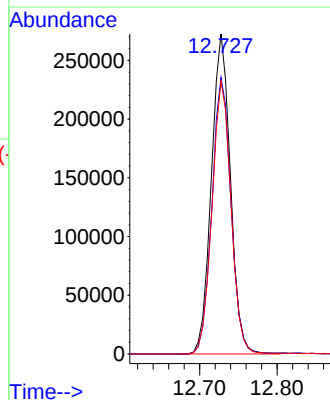
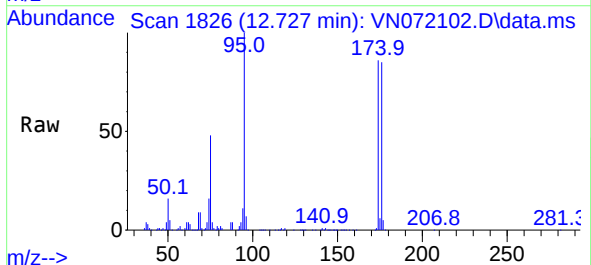
Instrument :
MSVOA_N
ClientSampleId :

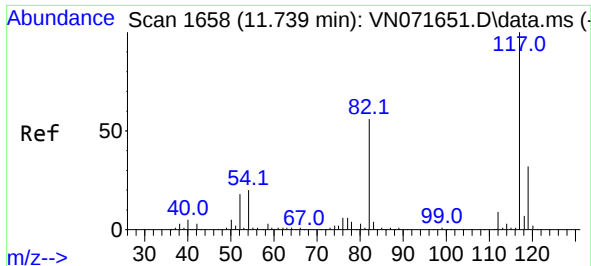
Tgt Ion: 43 Resp: 1663
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 60.145 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

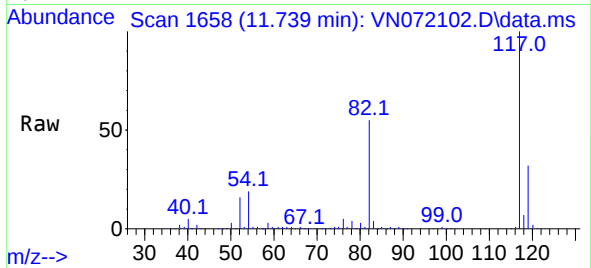
Tgt Ion: 95 Resp: 464430
Ion Ratio Lower Upper
95 100
174 86.8 0.0 167.6
176 85.2 0.0 163.4



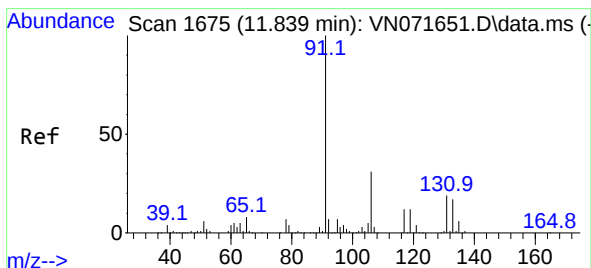
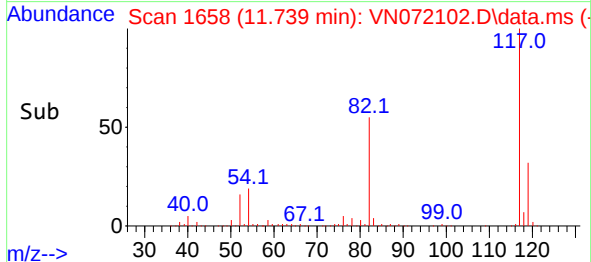
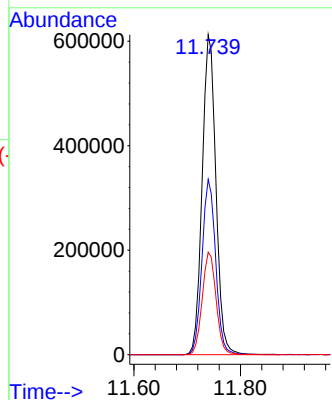


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Instrument :
MSVOA_N
ClientSampleId :

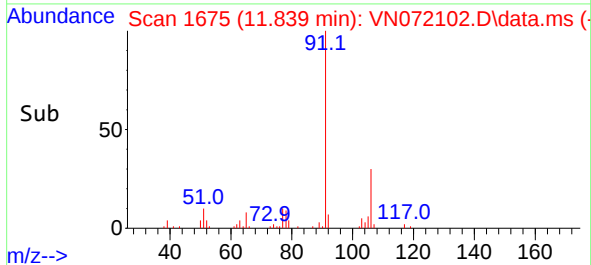
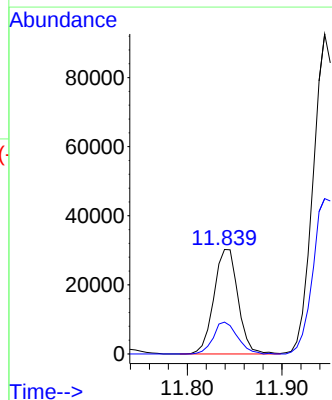
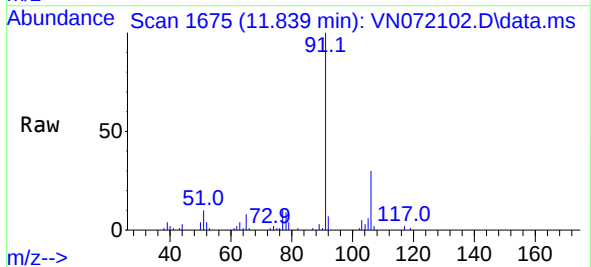


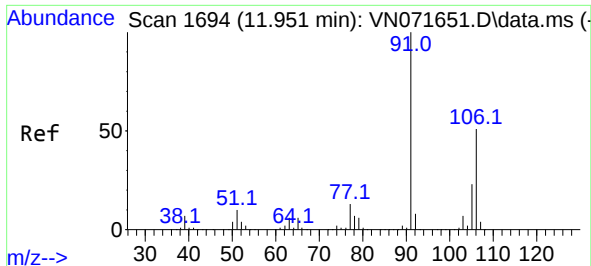
Tgt Ion:117 Resp: 1095159
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 1.445 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 91 Resp: 53631
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3

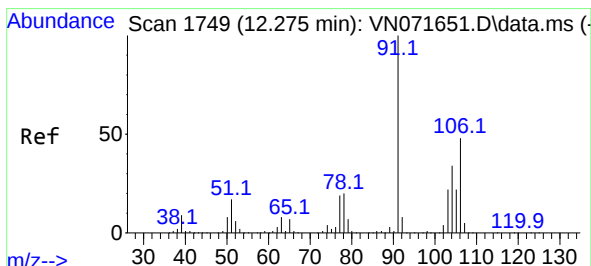
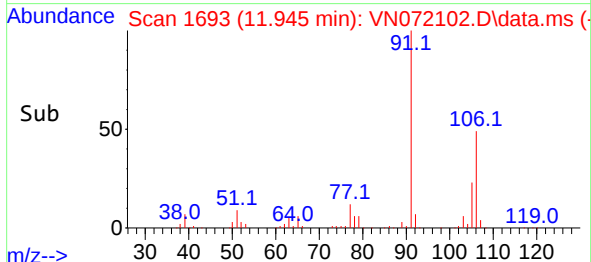
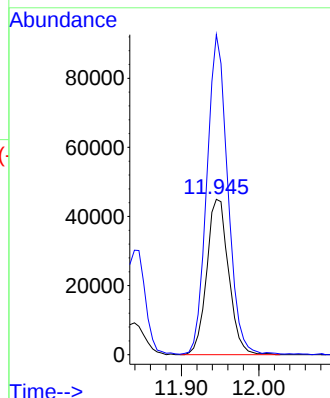
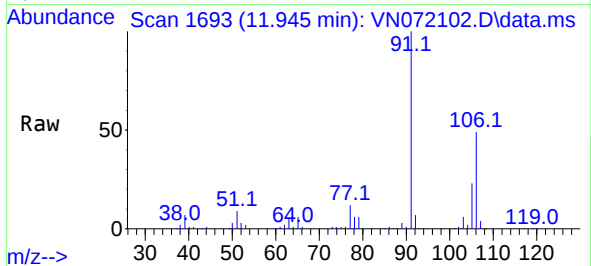




#68
m/p-Xylenes
Concen: 6.198 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

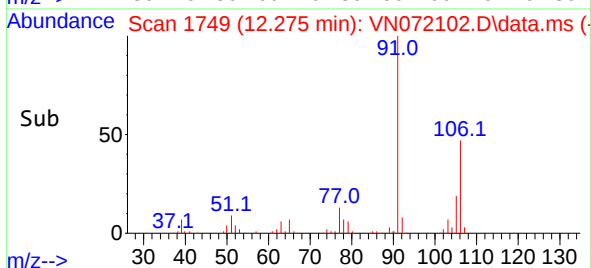
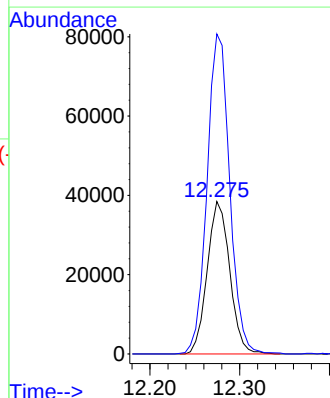
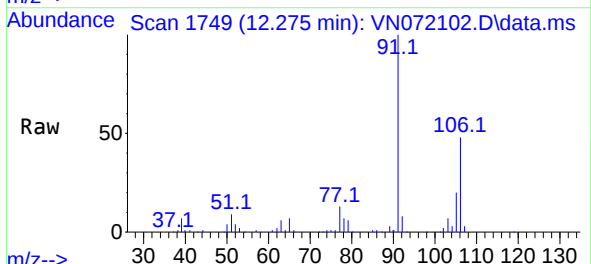
Instrument :
MSVOA_N
ClientSampleId :

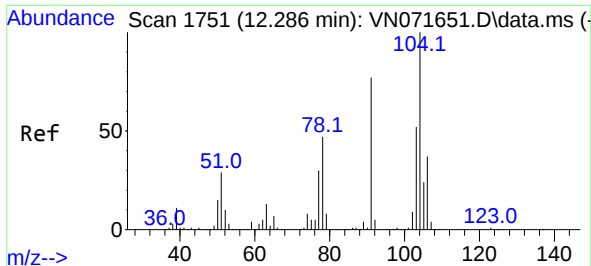
Tgt Ion:106 Resp: 88402
Ion Ratio Lower Upper
106 100
91 195.9 158.9 238.3



#69
o-Xylene
Concen: 4.737 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

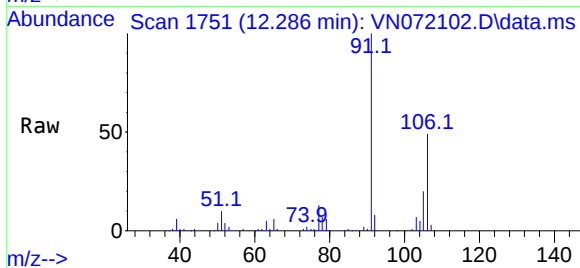
Tgt Ion:106 Resp: 67068
Ion Ratio Lower Upper
106 100
91 211.0 106.0 318.0



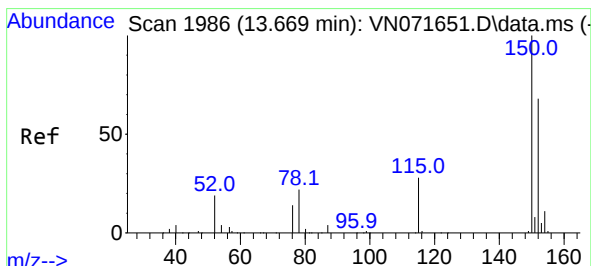
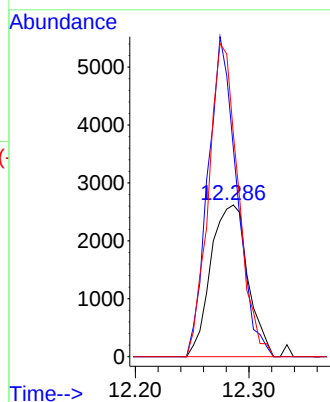
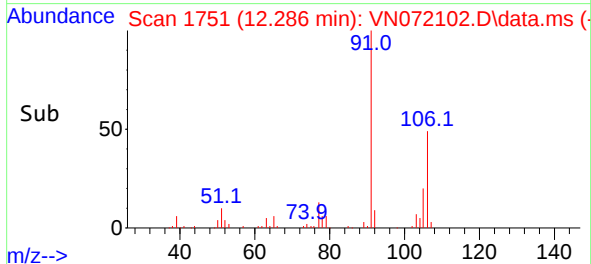


#70
Styrene
Concen: 0.277 ug/l
RT: 12.286 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

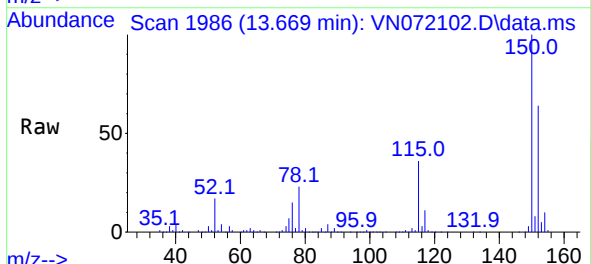
Instrument :
MSVOA_N
ClientSampleId :



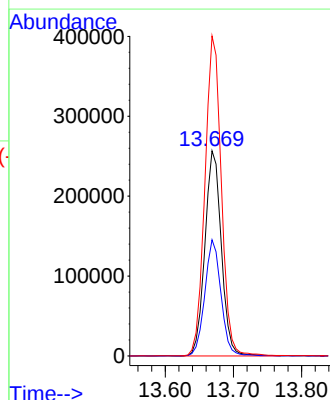
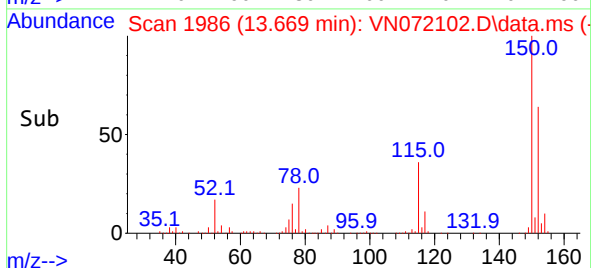
Tgt Ion:104 Resp: 5936
Ion Ratio Lower Upper
104 100
78 164.3 39.5 59.3#
103 165.2 44.0 66.0#

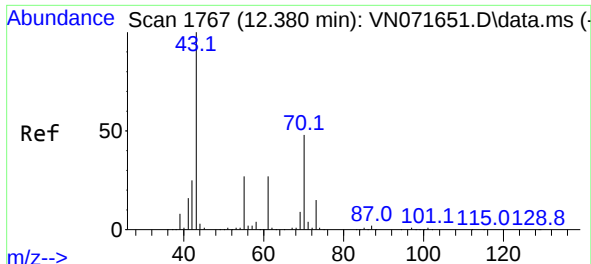


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54



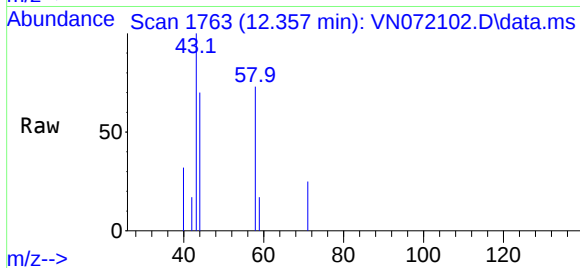
Tgt Ion:152 Resp: 431884
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 155.5 0.0 356.2



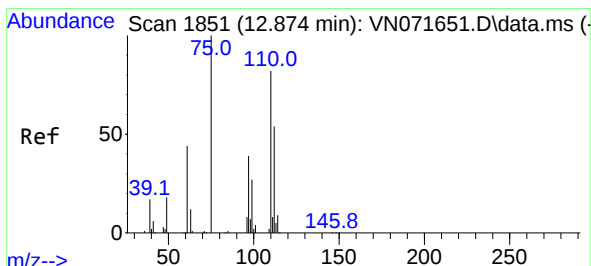
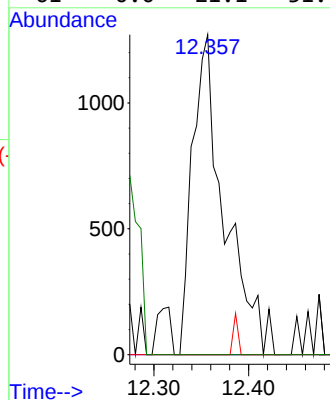
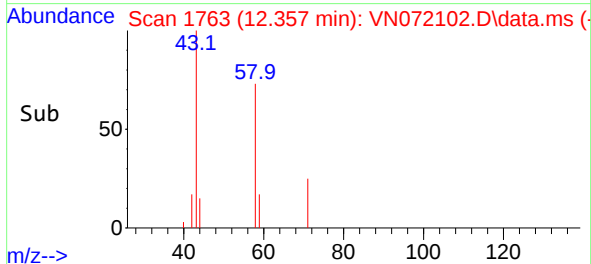


#74
N-amy1 acetate
Concen: 0.288 ug/l
RT: 12.357 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Instrument :
MSVOA_N
ClientSampleId :

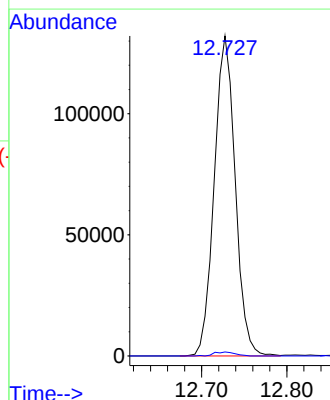
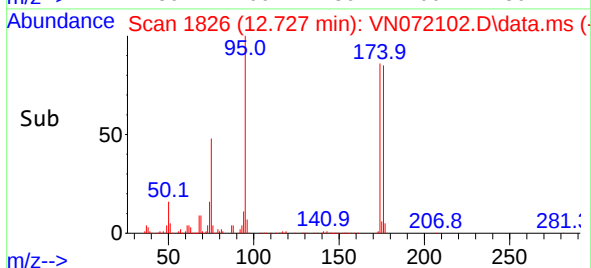
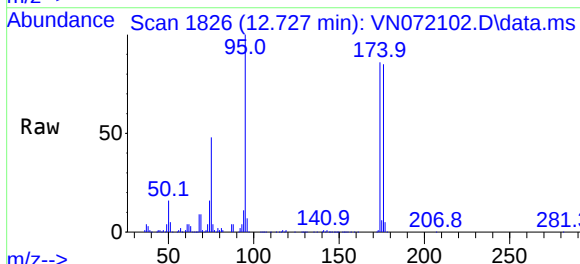


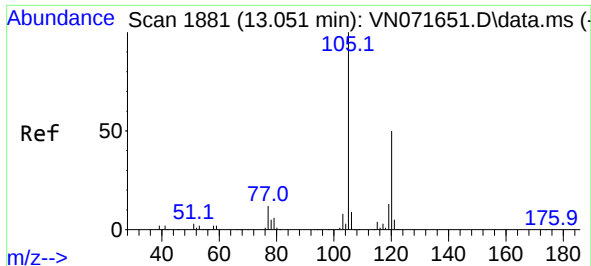
Tgt Ion: 43	Resp: 3002
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.572 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 75	Resp: 225831
Ion Ratio	Lower Upper
75 100	
77 1.2	98.5 295.5#

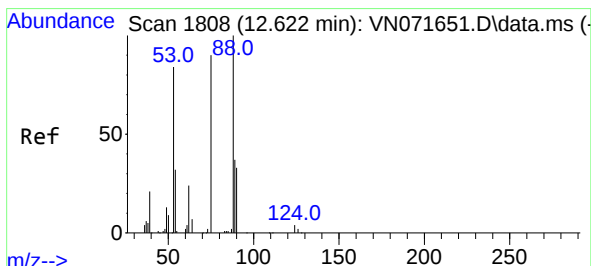
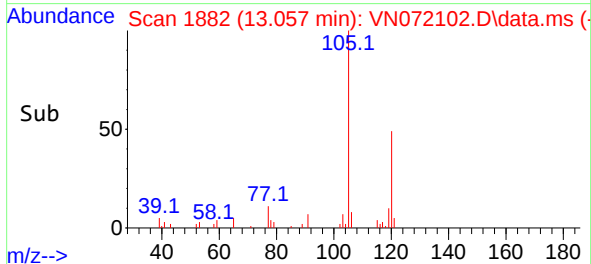
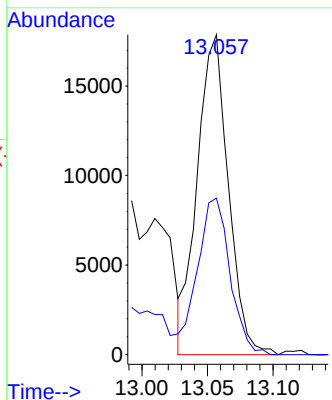
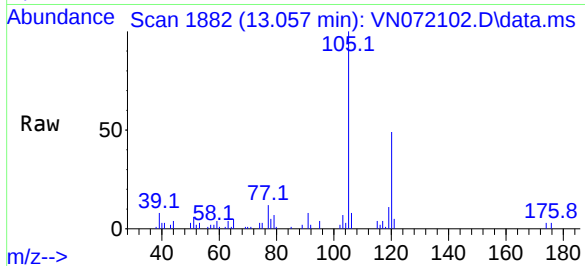




#80
1,3,5-Trimethylbenzene
Concen: 1.023 ug/l
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

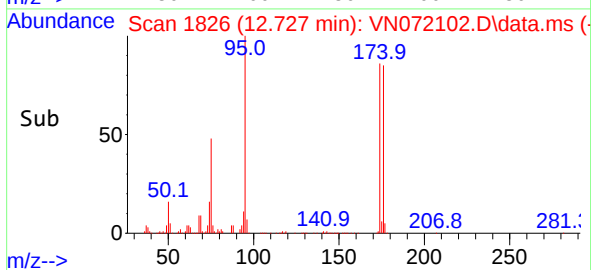
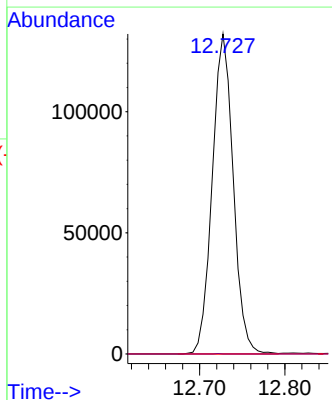
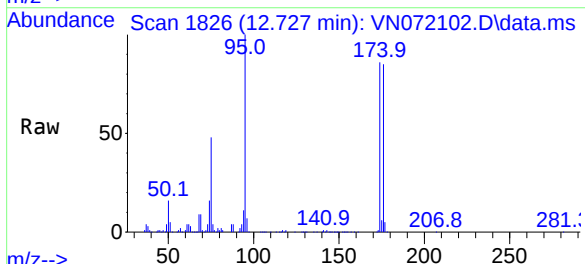
Instrument :
MSVOA_N
ClientSampleId :

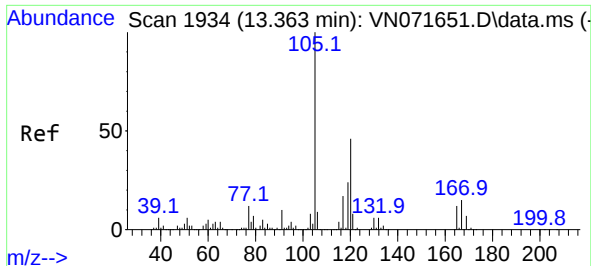
Tgt Ion:105 Resp: 29509
Ion Ratio Lower Upper
105 100
120 52.3 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 69.950 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion: 75 Resp: 225831
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

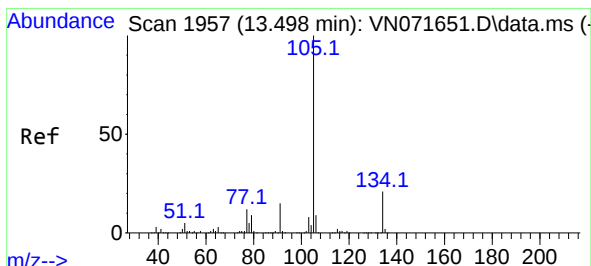
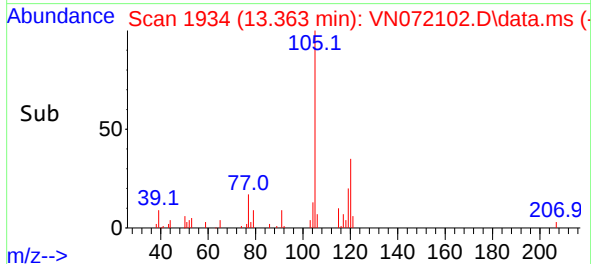
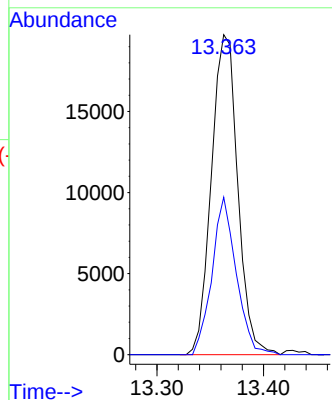
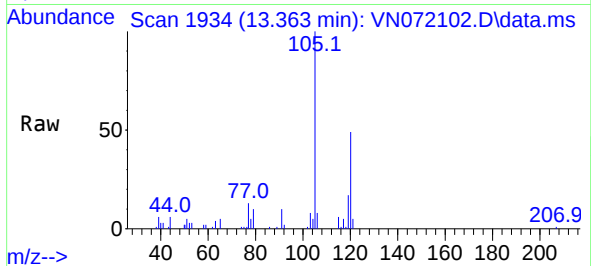




#84
1,2,4-Trimethylbenzene
Concen: 1.205 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

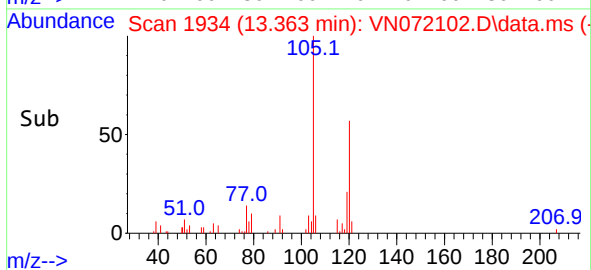
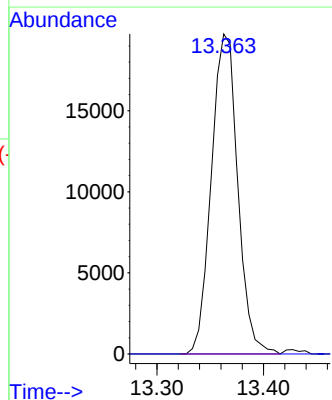
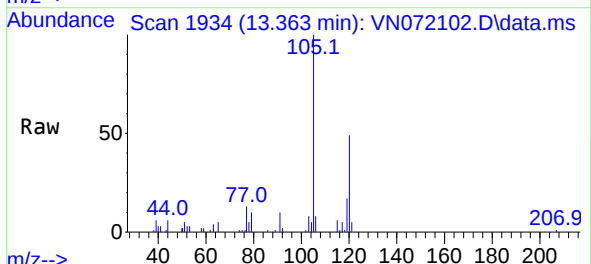
Instrument :
MSVOA_N
ClientSampleId :

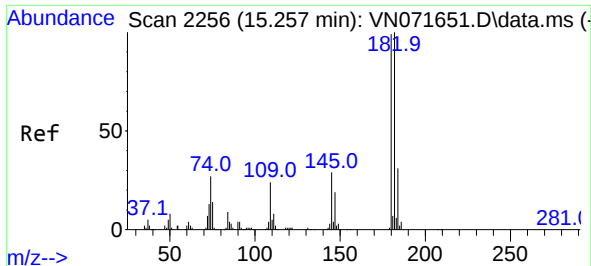
Tgt Ion:105 Resp: 33902
Ion Ratio Lower Upper
105 100
120 45.3 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.992 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.135 min
Lab File: VN072102.D
Acq: 21 Apr 2022 01:54

Tgt Ion:105 Resp: 33902
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#93

1,2,4-Trichlorobenzene

Concen: 2.143 ug/l

RT: 15.268 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN072102.D

Acq: 21 Apr 2022 01:54

Instrument :

MSVOA_N

ClientSampleId :

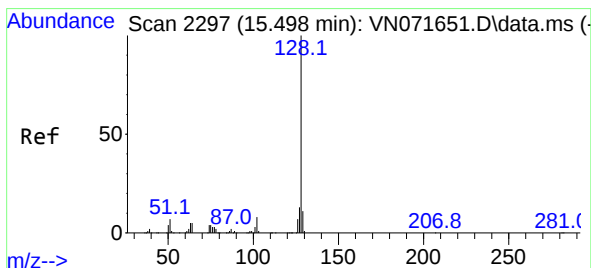
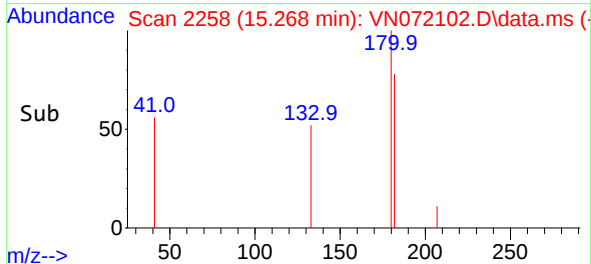
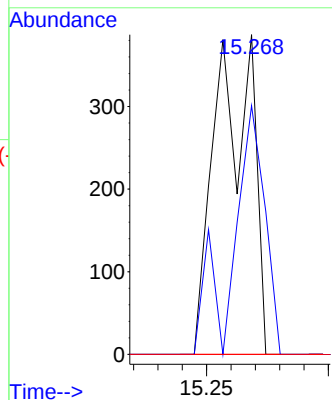
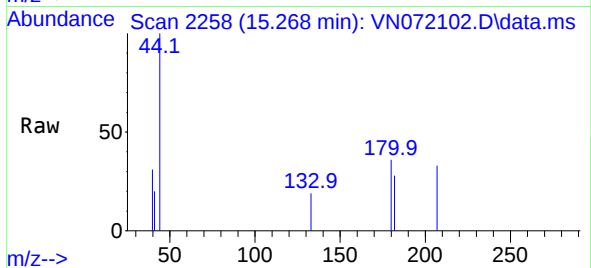
Tgt Ion:180 Resp: 411

Ion Ratio Lower Upper

180 100

182 67.4 47.5 142.5

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 4.272 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN072102.D

Acq: 21 Apr 2022 01:54

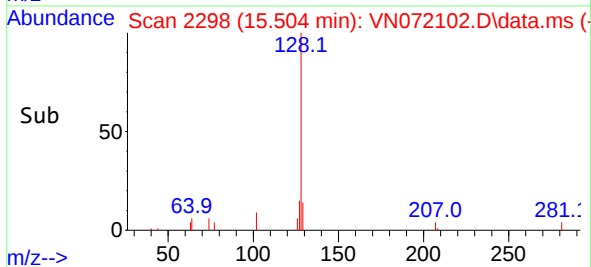
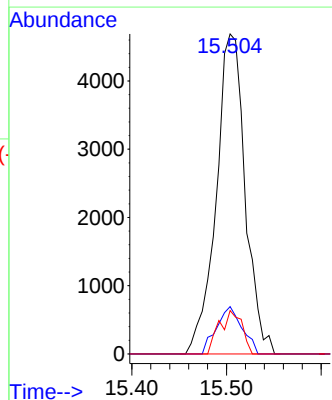
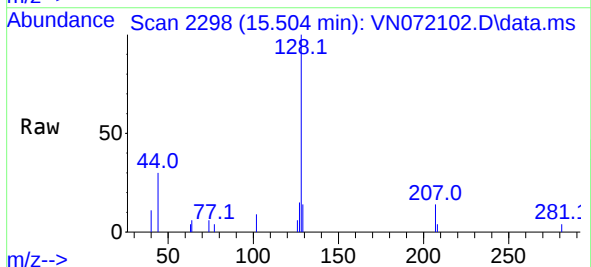
Tgt Ion:128 Resp: 9987

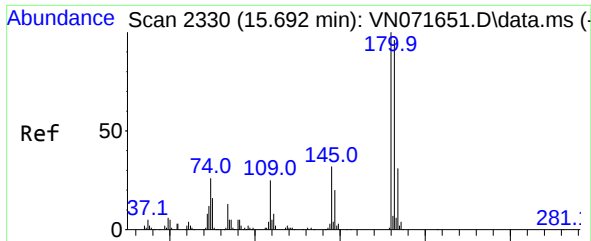
Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

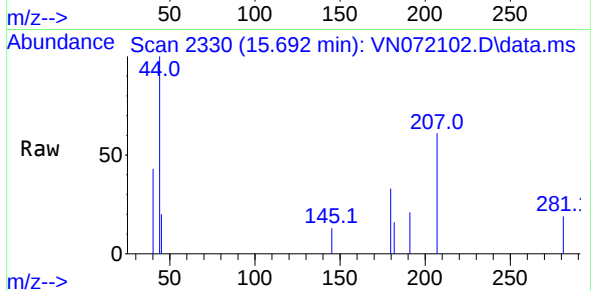
129 10.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.481 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072102.D
 Acq: 21 Apr 2022 01:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	471
Ion	Ratio	Lower	Upper
180	100		
182	74.5	47.8	143.3
145	11.7	15.5	46.5#

