

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072161.D
 Acq On : 22 Apr 2022 16:59
 Operator : JC\MD
 Sample : N2514-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:21:22 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)

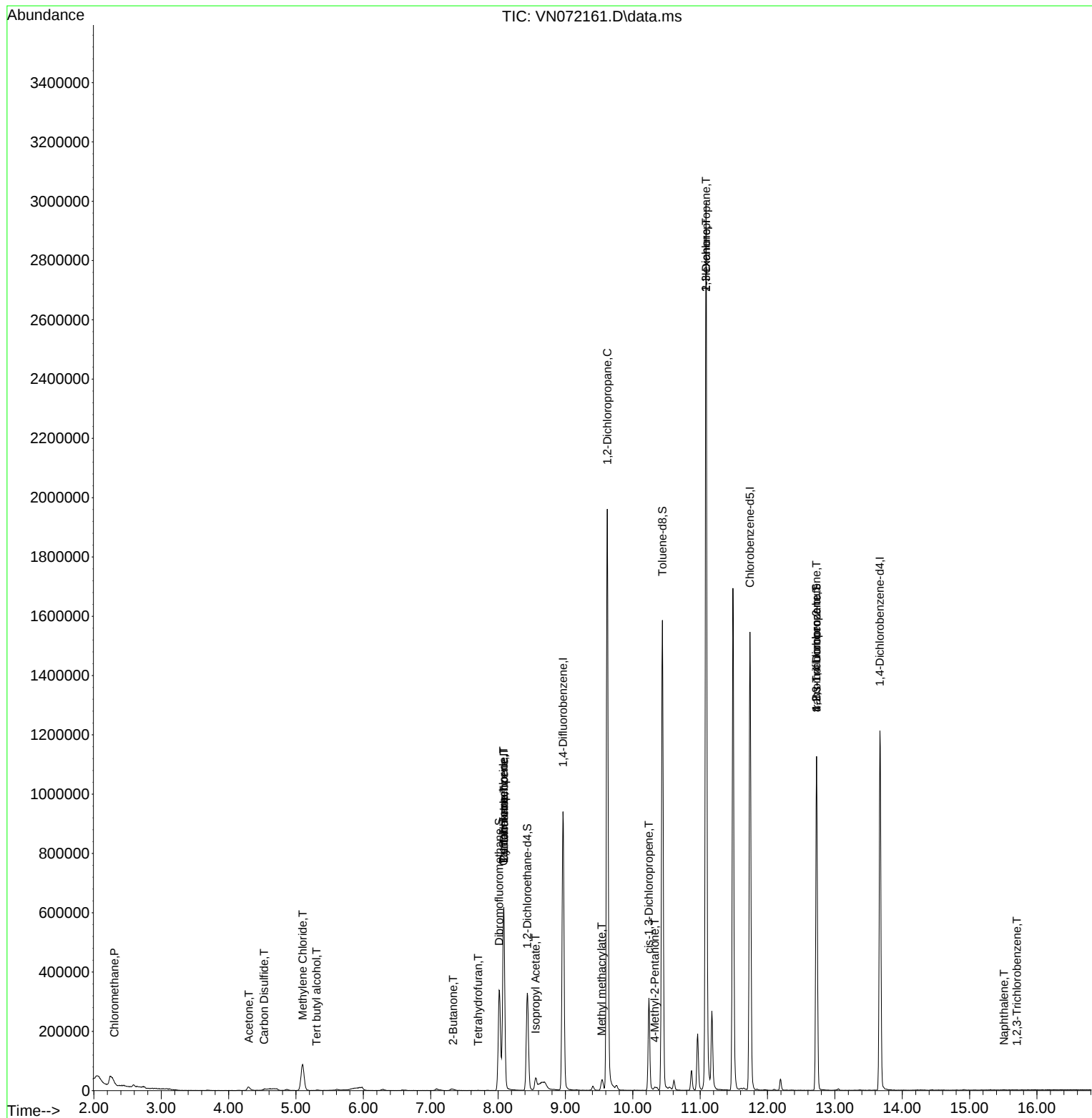
Internal Standards						
1) Pentafluorobenzene	8.086	168	527165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	894442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	976006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	371172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	275530	45.783	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.560%		
35) Dibromofluoromethane	8.016	113	255017	48.452	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.900%		
50) Toluene-d8	10.439	98	1162814	54.007	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.020%		
62) 4-Bromofluorobenzene	12.727	95	399044	57.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1615	0.304	ug/l #	43
11) Tert butyl alcohol	5.304	59	688	0.704	ug/l #	72
16) Acetone	4.299	43	19834	7.712	ug/l	94
17) Carbon Disulfide	4.528	76	5720	0.573	ug/l	95
18) Methyl Acetate	4.857	43	7310	Below Cal	#	73
20) Methylene Chloride	5.098	84	79443	14.655	ug/l	92
25) 2-Butanone	7.334	43	2623	0.707	ug/l	97
29) Tetrahydrofuran	7.704	42	573	0.239	ug/l #	49
31) Cyclohexane	8.086	56	7764	0.949	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	33170	4.513	ug/l #	49
38) Carbon Tetrachloride	8.081	117	46359	6.436	ug/l #	18
43) Isopropyl Acetate	8.557	43	51790	3.870	ug/l #	83
45) 1,2-Dichloropropane	9.622	63	2753	0.475	ug/l #	44
48) Methyl methacrylate	9.539	41	8960	1.614	ug/l #	10
49) 1,4-Dioxane	9.616	88	251	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	7328	0.953	ug/l	88
54) cis-1,3-Dichloropropene	10.239	75	65970	7.349	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	36327	3.597	ug/l #	43
59) 2-Hexanone	11.086	43	409307	75.567	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	188754	21.952	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	188754	68.029	ug/l #	10
95) Naphthalene	15.510	128	1389	3.879	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	53	2.423	ug/l #	1

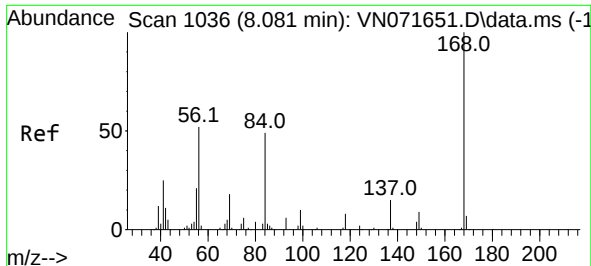
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

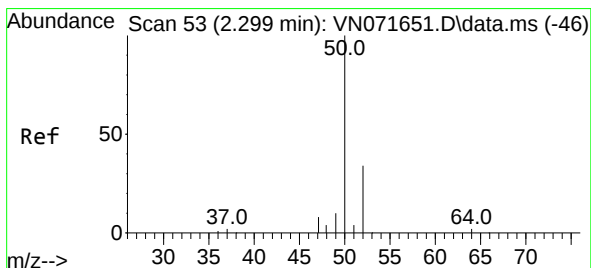
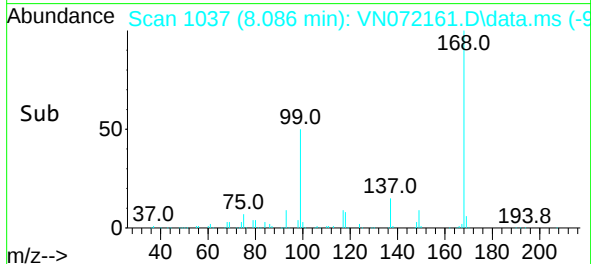
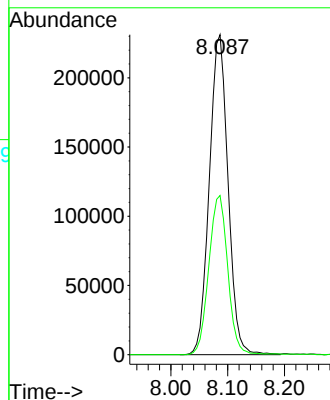
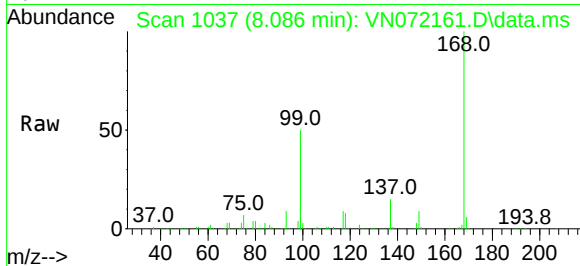




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

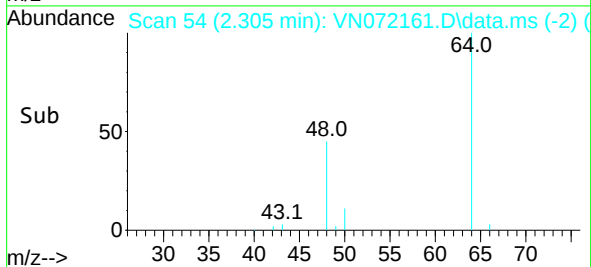
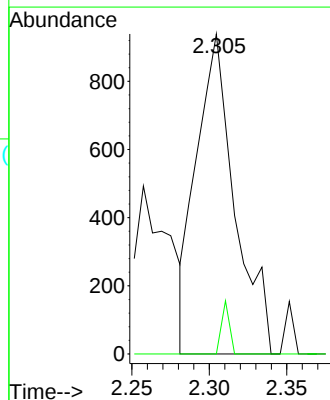
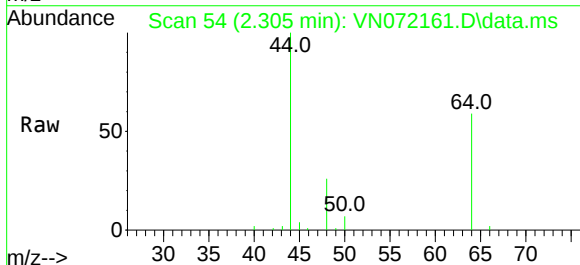
Instrument :
MSVOA_N
ClientSampleId :

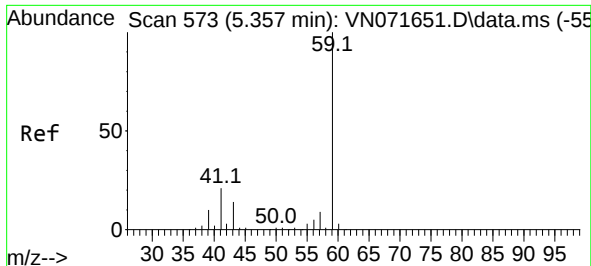
Tgt Ion:168 Resp: 527165
Ion Ratio Lower Upper
168 100
99 49.8 42.3 63.5



#3
Chloromethane
Concen: 0.304 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

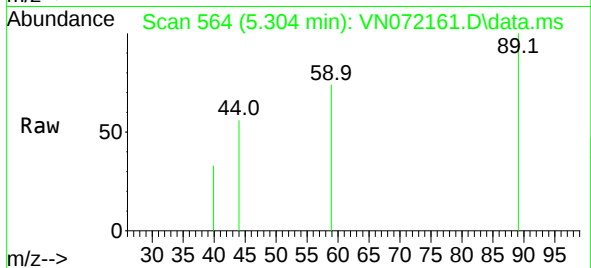
Tgt Ion: 50 Resp: 1615
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



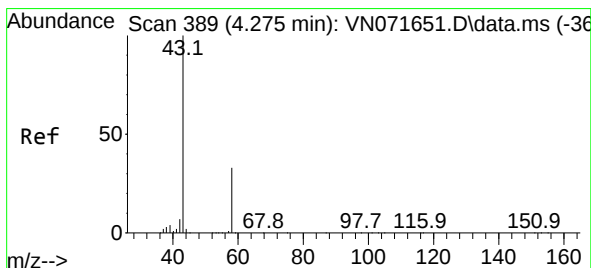
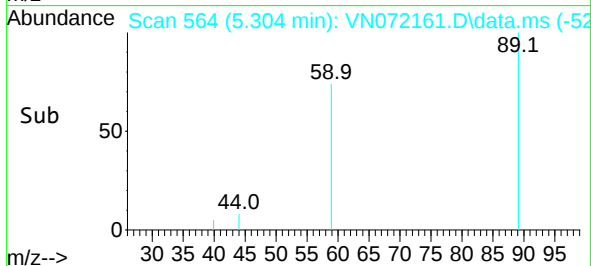
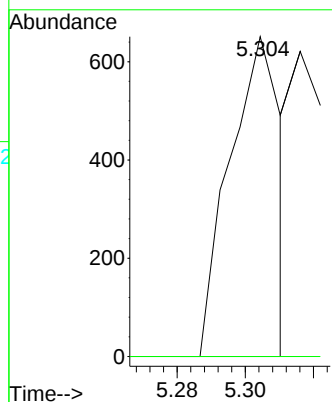


#11
Tert butyl alcohol
Concen: 0.704 ug/l
RT: 5.304 min Scan# 51
Delta R.T. -0.053 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

Instrument :
MSVOA_N
ClientSampleId :

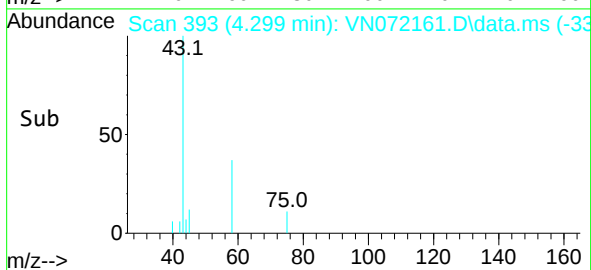
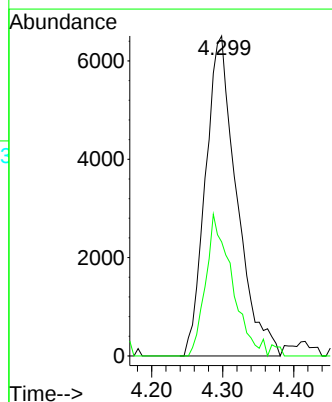
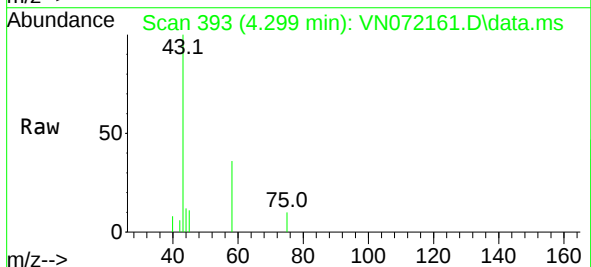


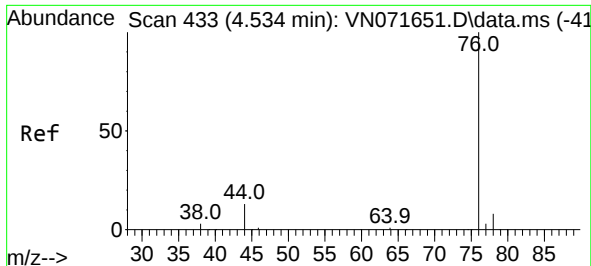
Tgt Ion: 59 Resp: 688
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.712 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

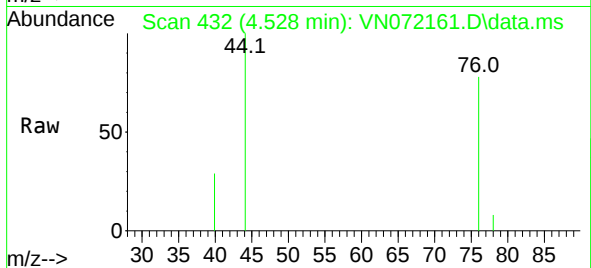
Tgt Ion: 43 Resp: 19834
Ion Ratio Lower Upper
43 100
58 35.6 26.0 39.0



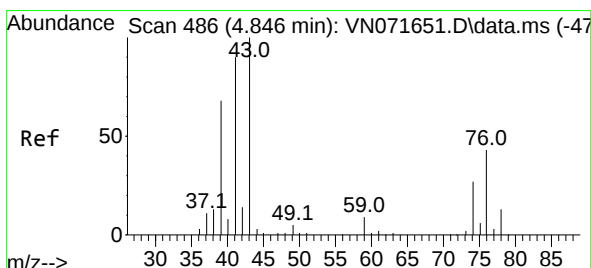
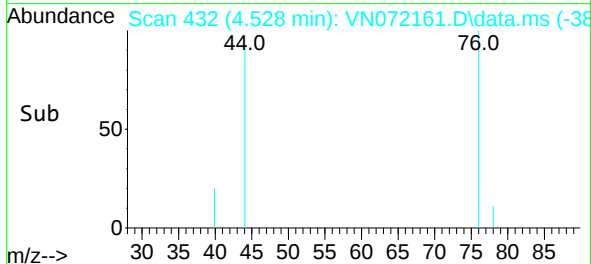
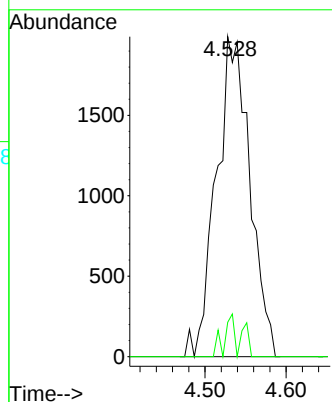


#17
Carbon Disulfide
Concen: 0.573 ug/l
RT: 4.528 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

Instrument :
MSVOA_N
ClientSampleId :

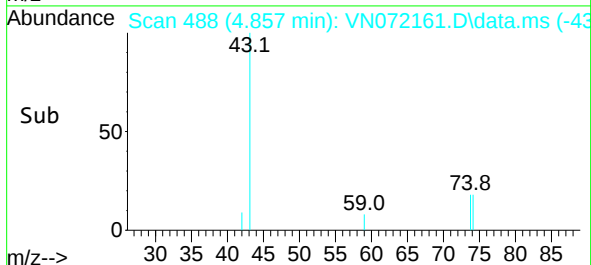
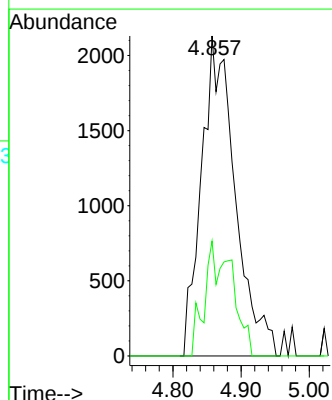
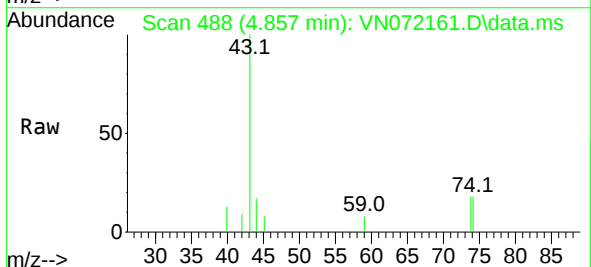


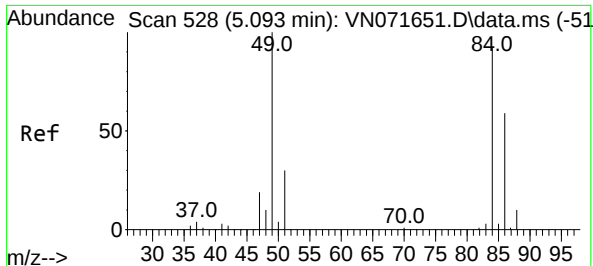
Tgt Ion: 76 Resp: 5720
Ion Ratio Lower Upper
76 100
78 10.8 7.2 10.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

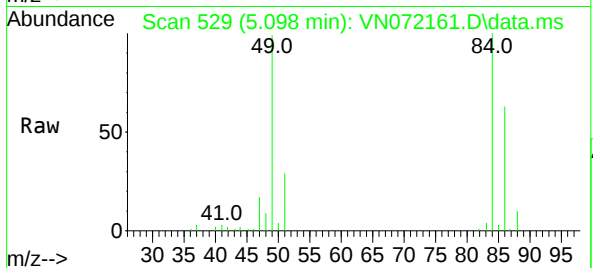
Tgt Ion: 43 Resp: 7310
Ion Ratio Lower Upper
43 100
74 12.9 21.6 32.4#



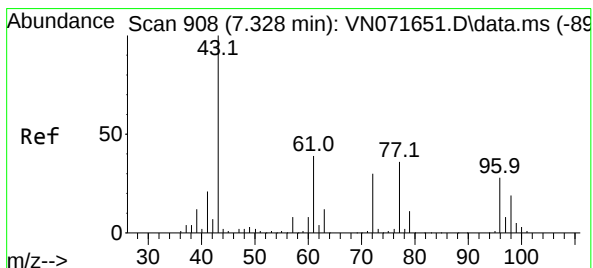
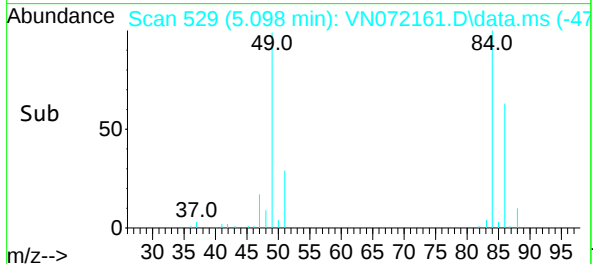
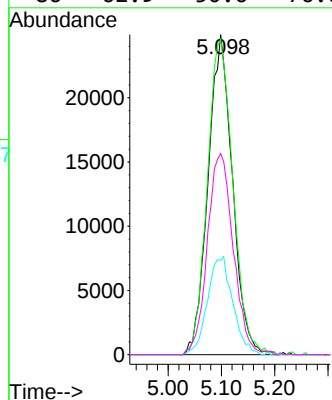


#20
Methylene Chloride
Concen: 14.655 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

Instrument :
MSVOA_N
ClientSampleId :

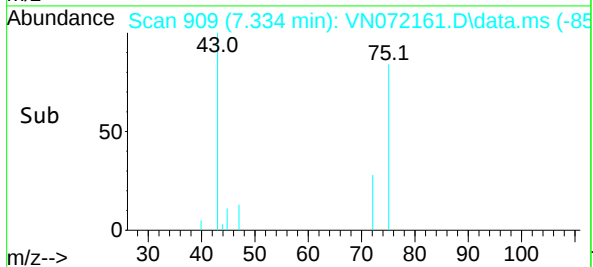
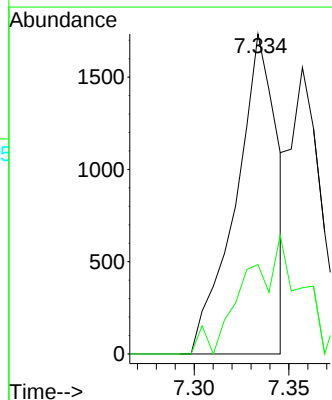
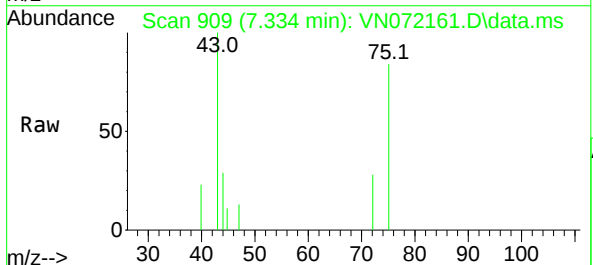


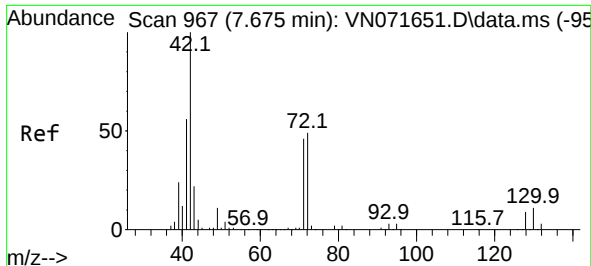
Tgt Ion: 84	Resp: 79443
Ion Ratio	Lower Upper
84 100	
49 98.6	88.3 132.5
51 29.5	28.2 42.2
86 62.9	50.6 76.0



#25
2-Butanone
Concen: 0.707 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

Tgt Ion: 43	Resp: 2623
Ion Ratio	Lower Upper
43 100	
72 28.0	23.7 35.5





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.704 min Scan# 91

Delta R.T. 0.029 min

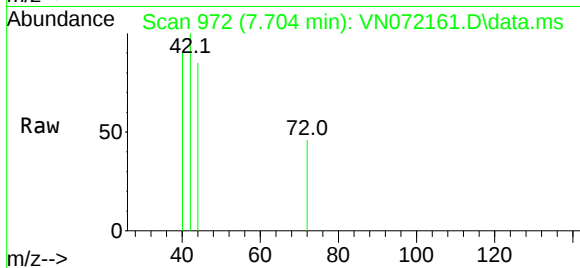
Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

Instrument :

MSVOA_N

ClientSampleId :



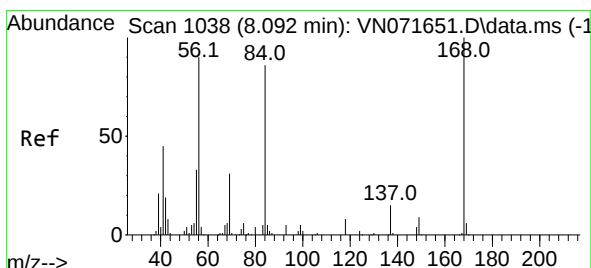
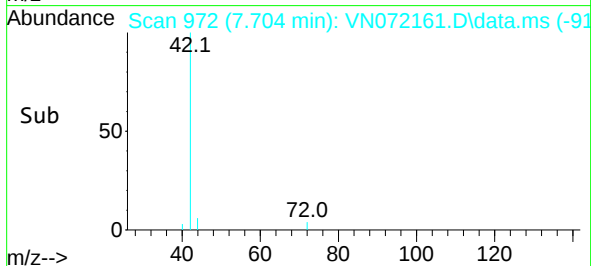
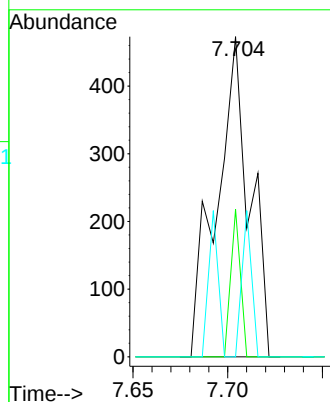
Tgt Ion: 42 Resp: 573

Ion Ratio Lower Upper

42 100

72 13.4 39.7 59.5#

71 13.3 36.6 55.0#



#31

Cyclohexane

Concen: 0.949 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

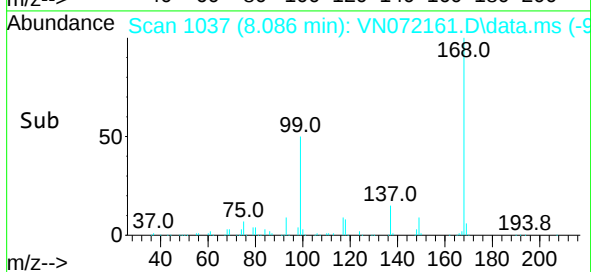
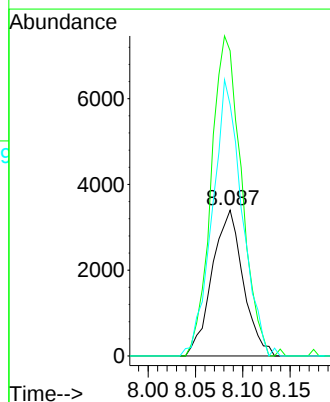
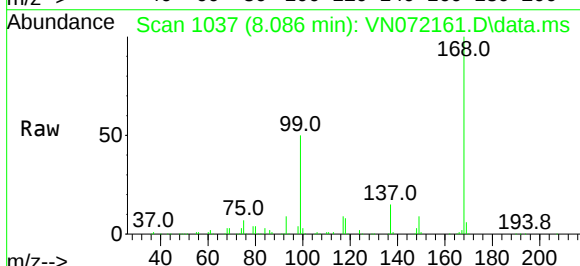
Tgt Ion: 56 Resp: 7764

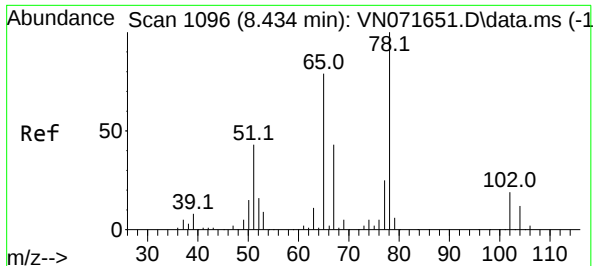
Ion Ratio Lower Upper

56 100

69 209.3 27.8 41.8#

84 172.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.783 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

Instrument :

MSVOA_N

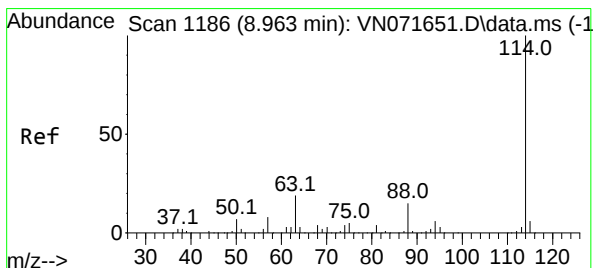
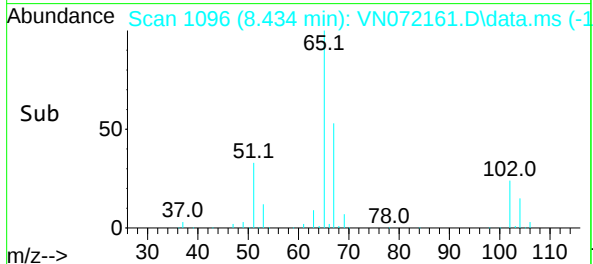
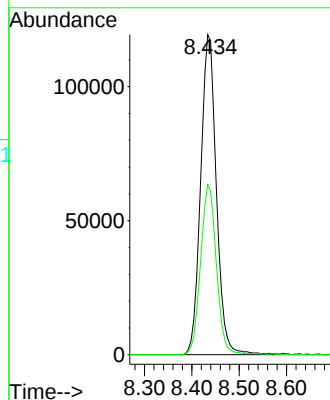
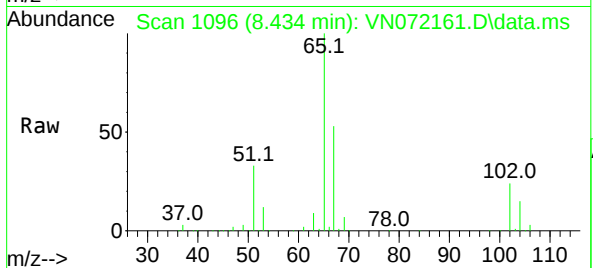
ClientSampleId :

Tgt Ion: 65 Resp: 275530

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: VN072161.D

Acq: 22 Apr 2022 16:59

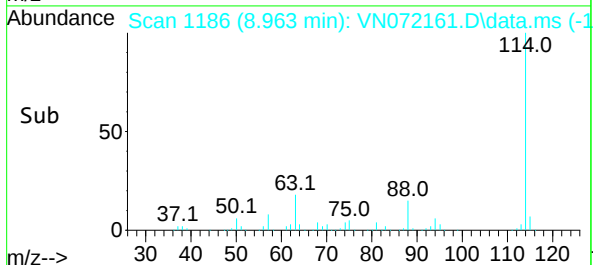
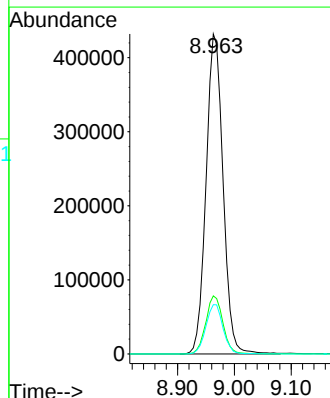
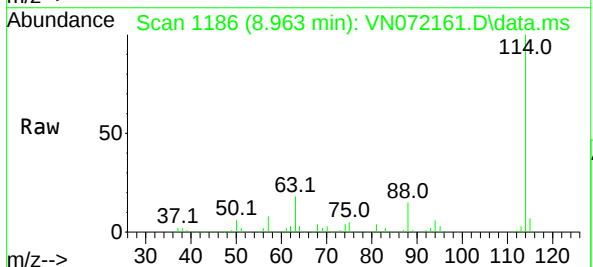
Tgt Ion: 114 Resp: 894442

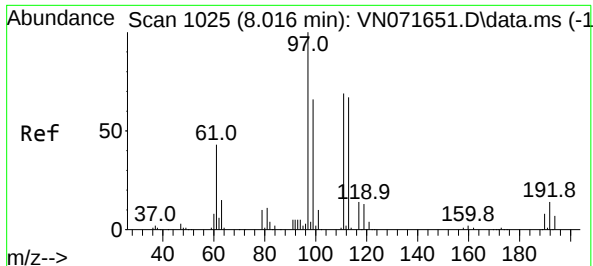
Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.0

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.452 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

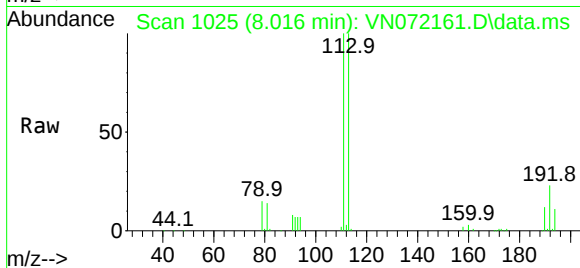
Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

Instrument :

MSVOA_N

ClientSampleId :



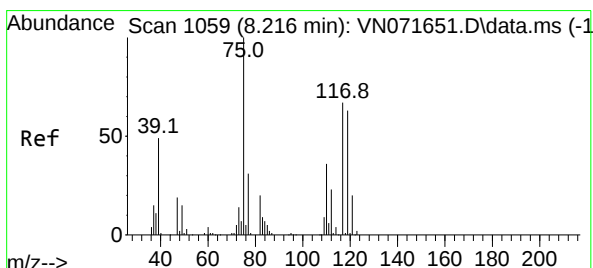
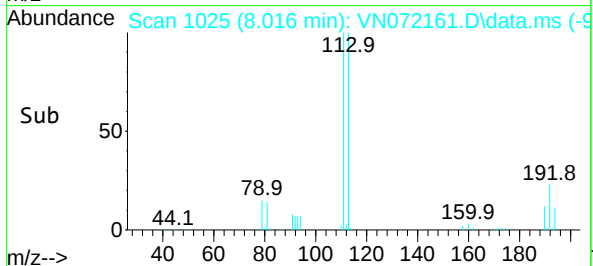
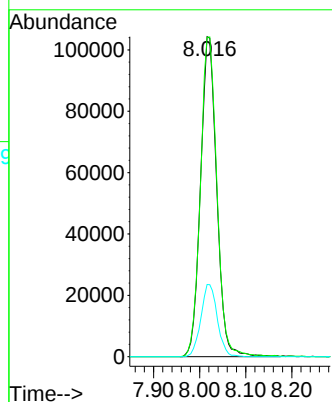
Tgt Ion:113 Resp: 255017

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 22.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

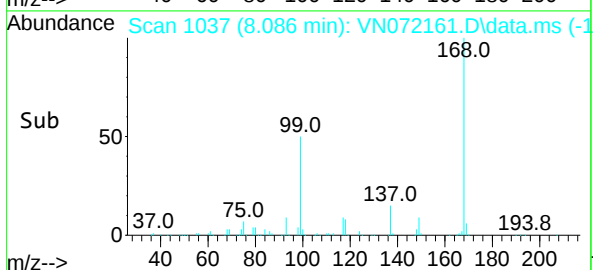
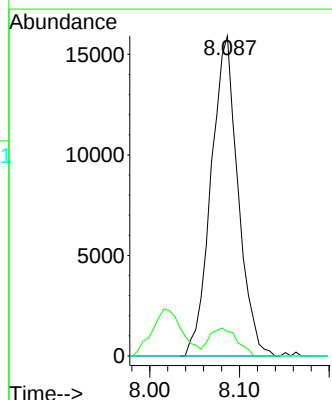
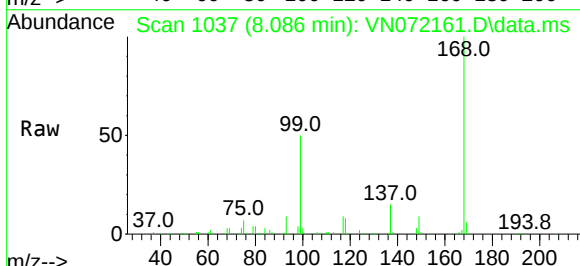
Tgt Ion: 75 Resp: 33170

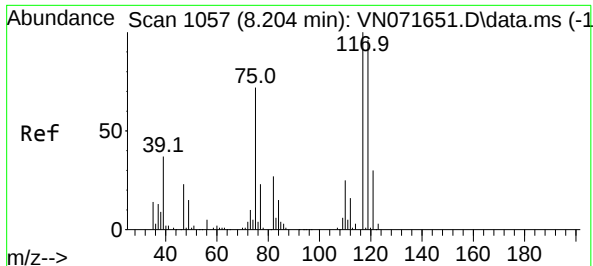
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

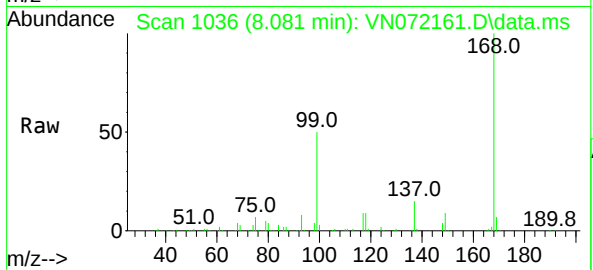
77 0.0 25.1 37.7#



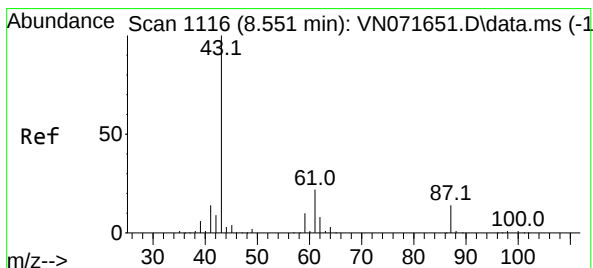
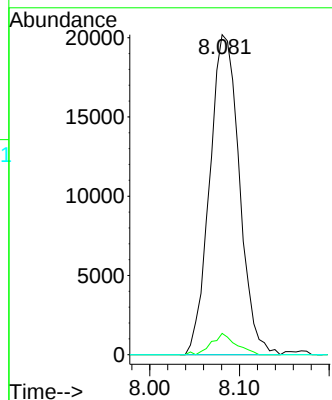
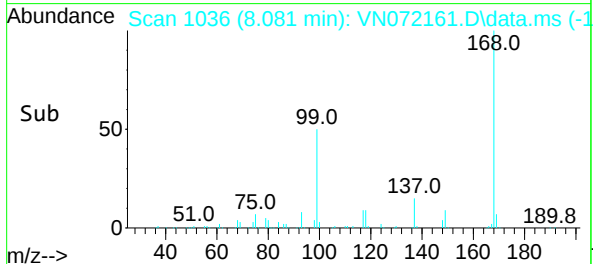


#38
Carbon Tetrachloride
Concen: 6.436 ug/l
RT: 8.081 min Scan# 1117
Delta R.T. -0.123 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

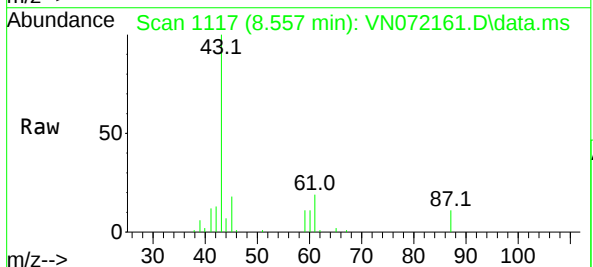
Instrument :
MSVOA_N
ClientSampleId :



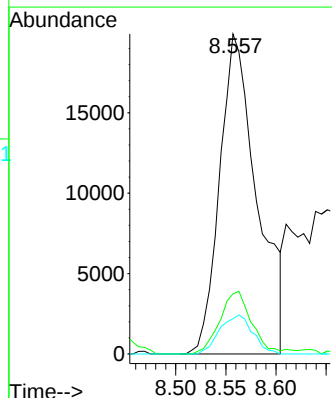
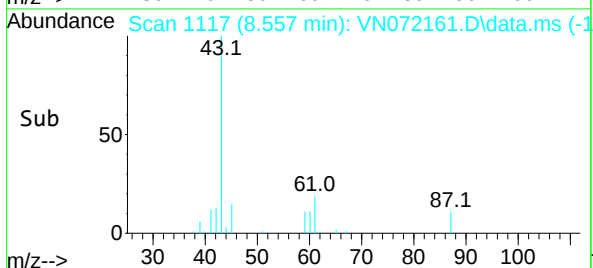
Tgt Ion:117 Resp: 46359
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.8#
121 0.0 24.6 37.0#

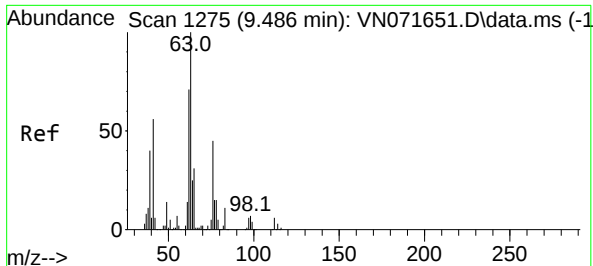


#43
Isopropyl Acetate
Concen: 3.870 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59



Tgt Ion: 43 Resp: 51790
Ion Ratio Lower Upper
43 100
61 16.9 21.9 32.9#
87 10.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.475 ug/l

RT: 9.622 min Scan# 1275

Delta R.T. 0.136 min

Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

Instrument :

MSVOA_N

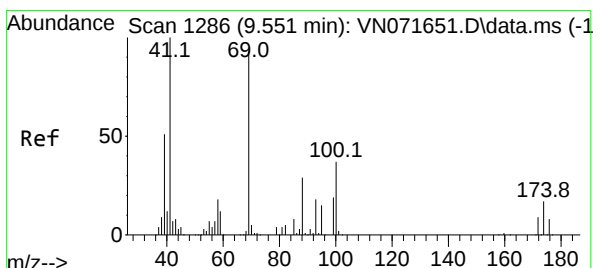
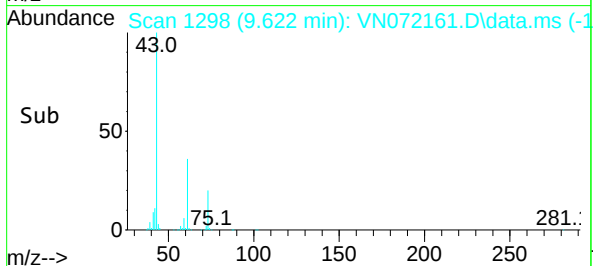
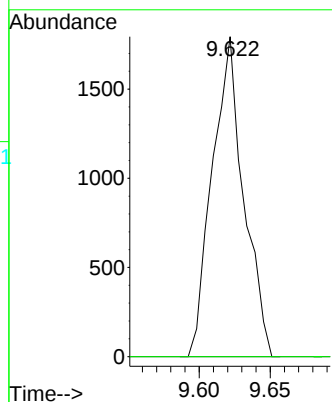
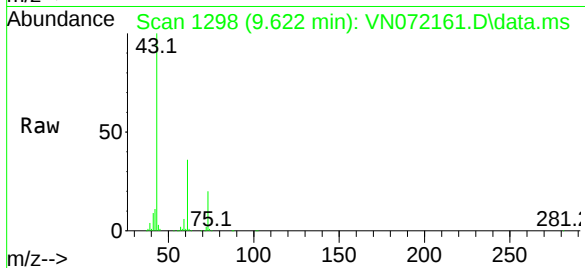
ClientSampleId :

Tgt Ion: 63 Resp: 2753

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.614 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

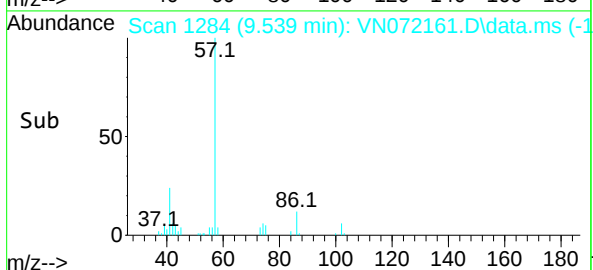
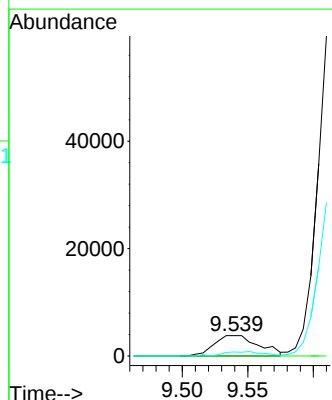
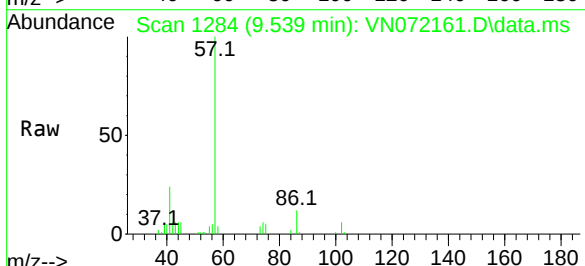
Tgt Ion: 41 Resp: 8960

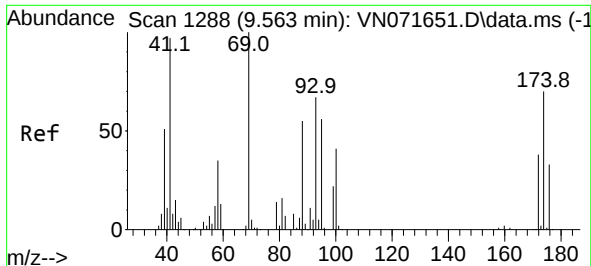
Ion Ratio Lower Upper

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: VN072161.D

Acq: 22 Apr 2022 16:59

Instrument :

MSVOA_N

ClientSampleId :

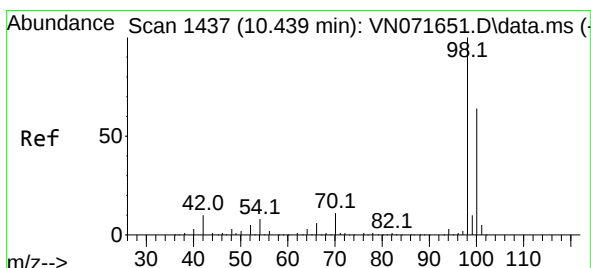
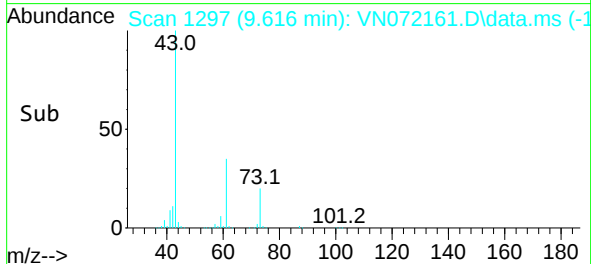
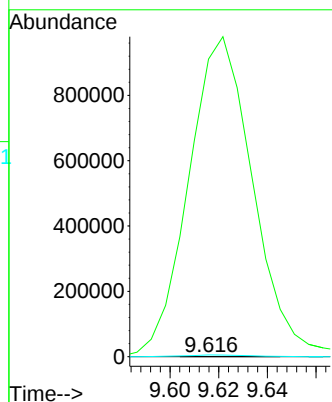
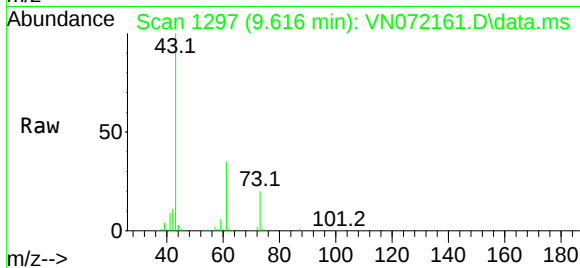
Tgt Ion: 88 Resp: 251

Ion Ratio Lower Upper

88 100

43 732636.7 20.2 30.4#

58 4061.4 54.2 81.4#



#50

Toluene-d8

Concen: 54.007 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072161.D

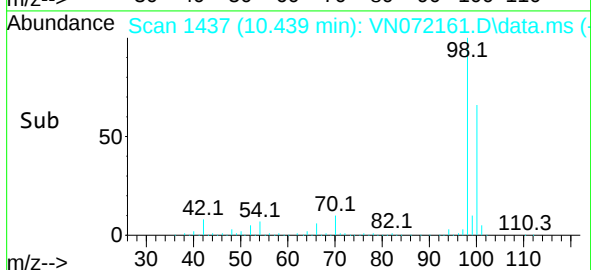
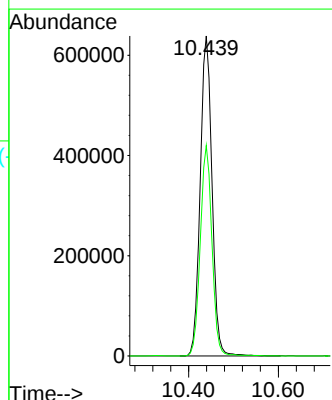
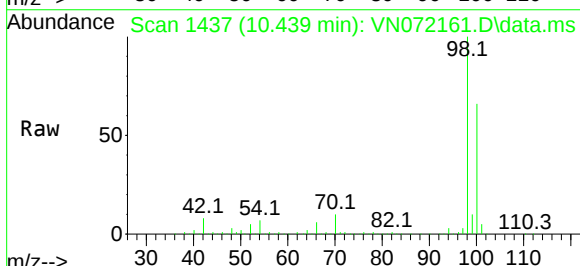
Acq: 22 Apr 2022 16:59

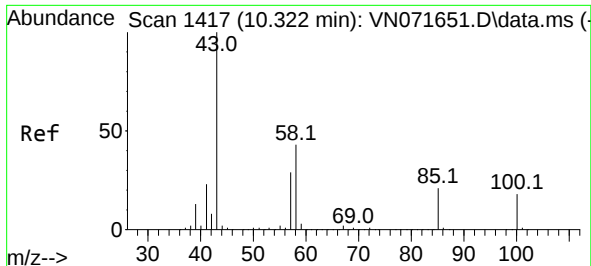
Tgt Ion: 98 Resp: 1162814

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

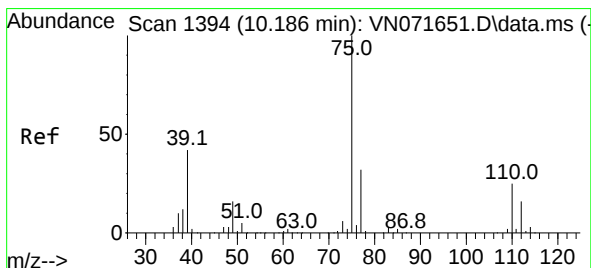
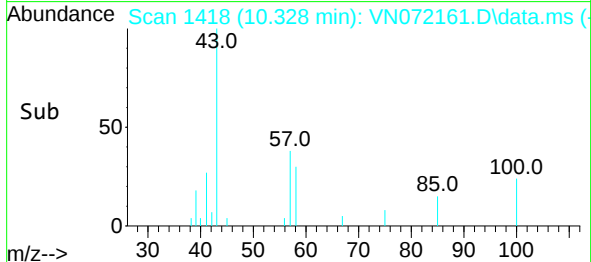
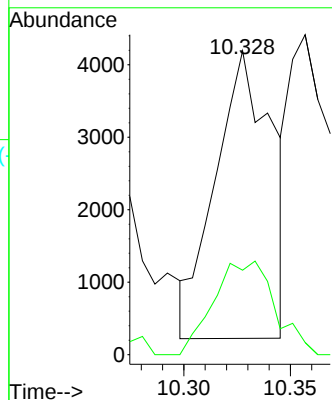
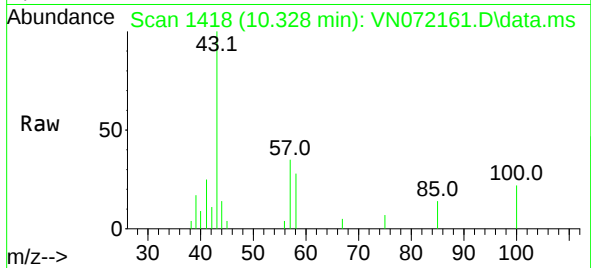




#51
4-Methyl-2-Pentanone
Concen: 0.953 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

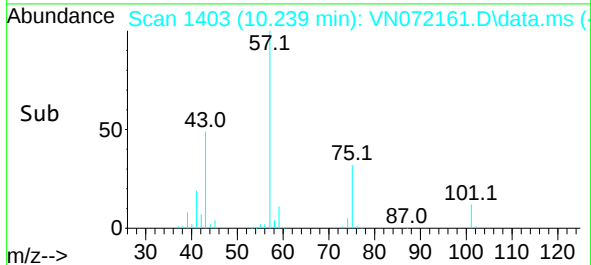
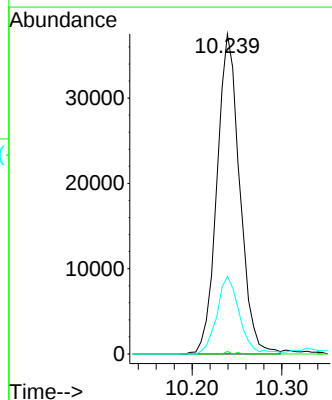
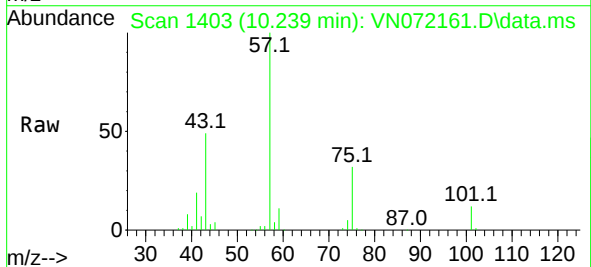
Instrument :
MSVOA_N
ClientSampleId :

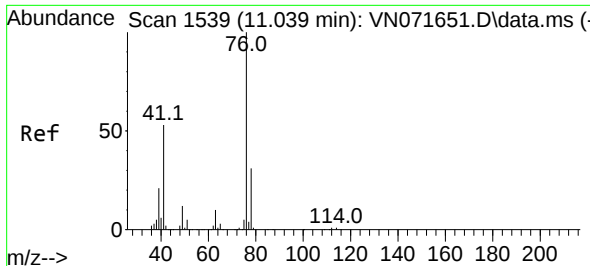
Tgt Ion: 43 Resp: 7328
Ion Ratio Lower Upper
43 100
58 35.3 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 7.349 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

Tgt Ion: 75 Resp: 65970
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 24.2 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 3.597 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072161.D

Acq: 22 Apr 2022 16:59

Instrument :

MSVOA_N

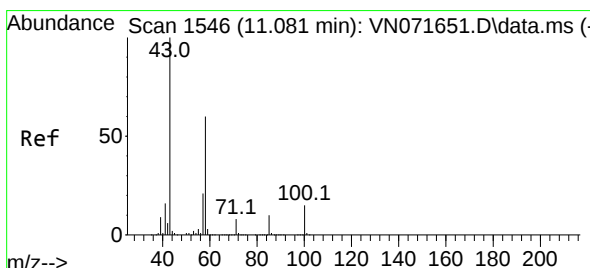
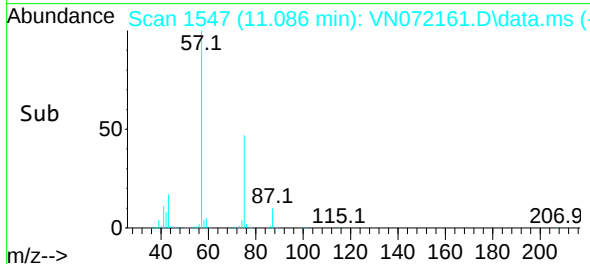
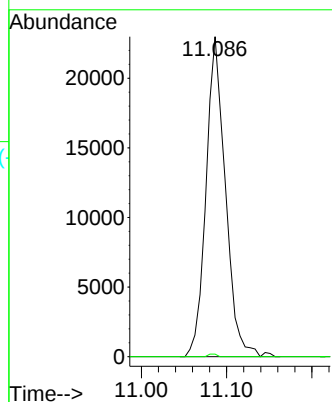
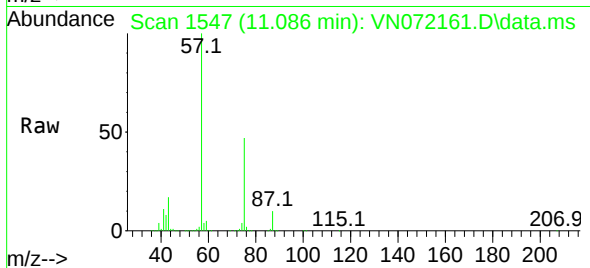
ClientSampleId :

Tgt Ion: 76 Resp: 36327

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 75.567 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072161.D

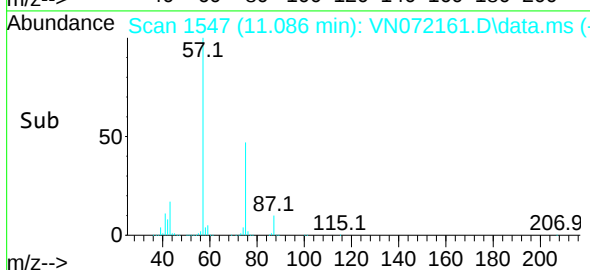
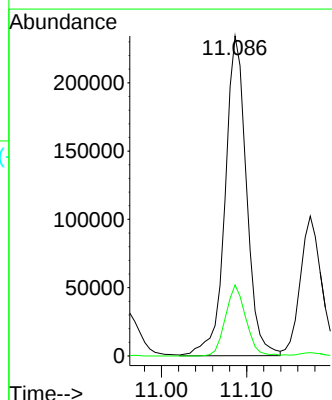
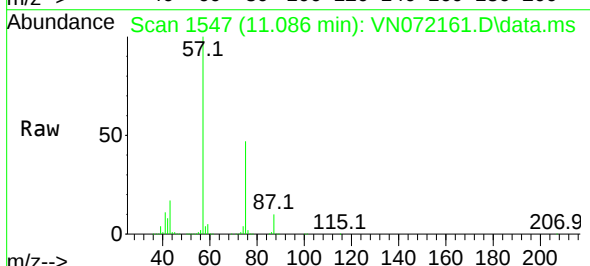
Acq: 22 Apr 2022 16:59

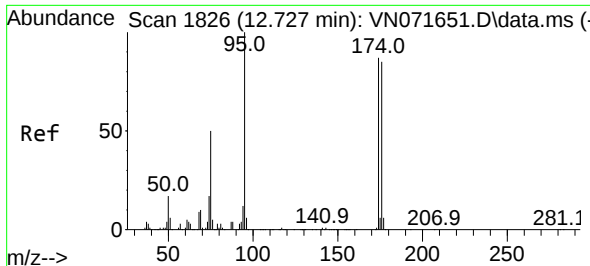
Tgt Ion: 43 Resp: 409307

Ion Ratio Lower Upper

43 100

58 21.2 29.7 89.1#

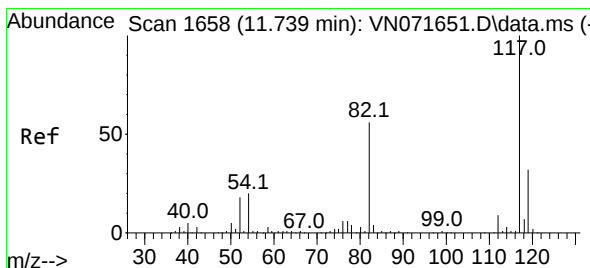
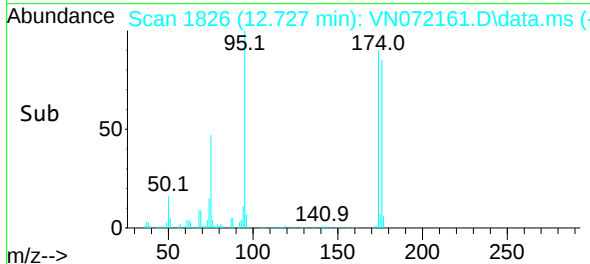
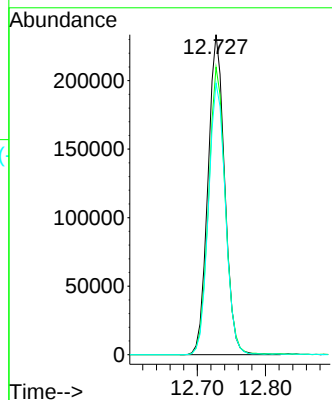
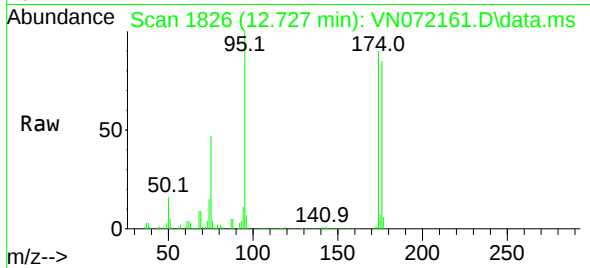




#62
4-Bromofluorobenzene
Concen: 57.306 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

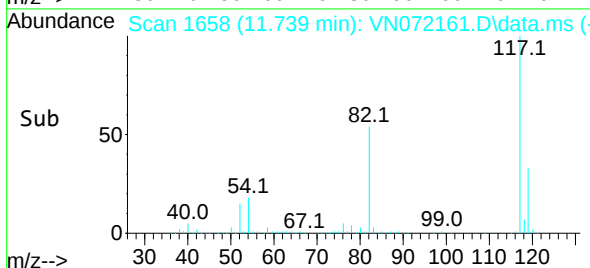
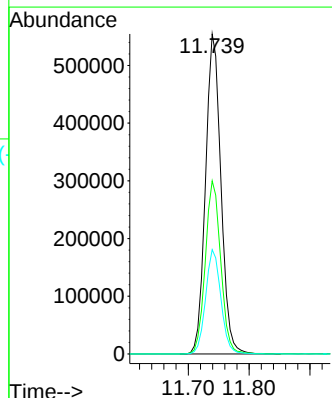
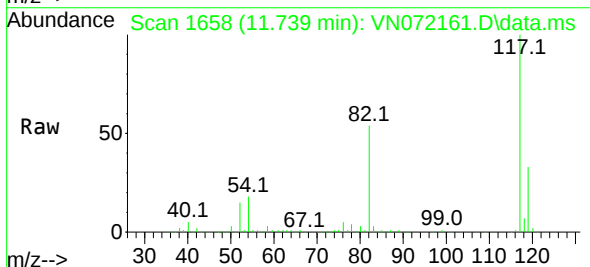
Instrument :
MSVOA_N
ClientSampleId :

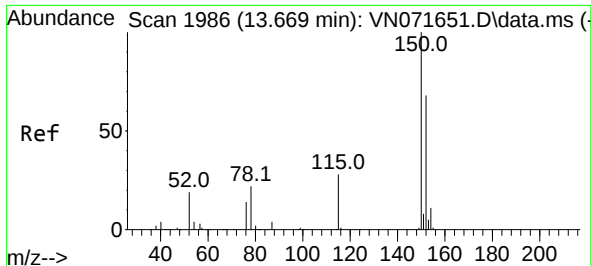
Tgt Ion: 95 Resp: 399044
Ion Ratio Lower Upper
95 100
174 89.5 0.0 167.6
176 85.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

Tgt Ion: 117 Resp: 976006
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.6 25.4 38.0

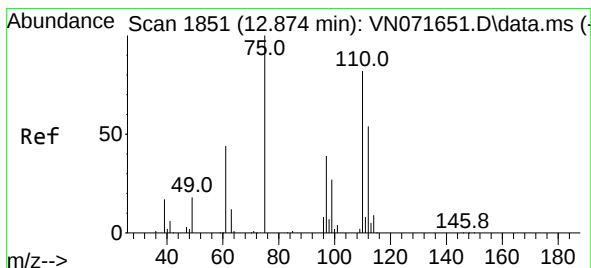
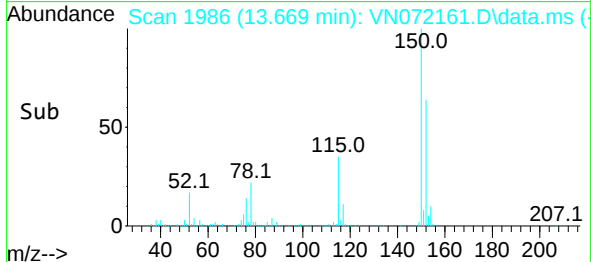
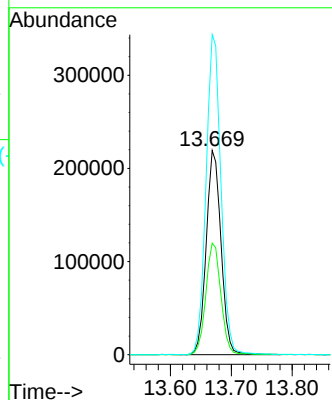
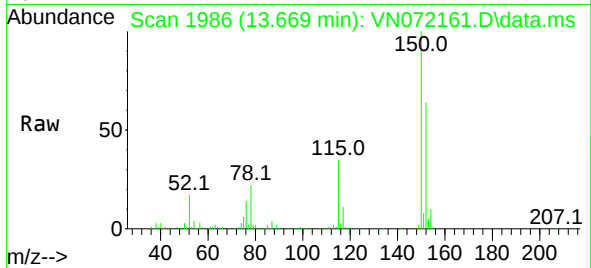




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072161.D
 Acq: 22 Apr 2022 16:59

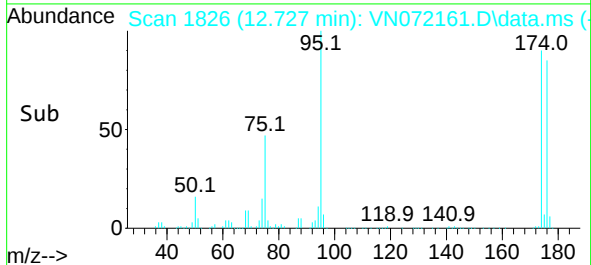
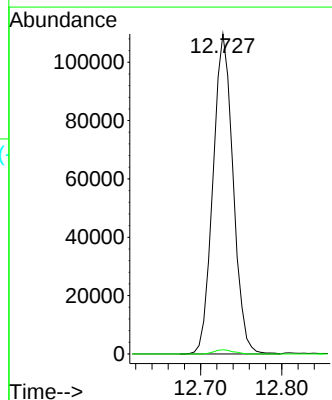
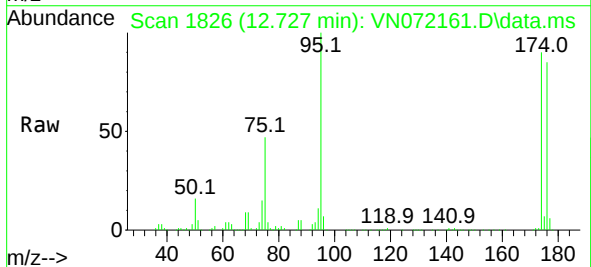
Instrument :
 MSVOA_N
 ClientSampleId :

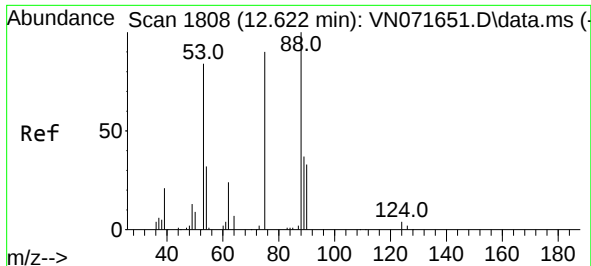
Tgt Ion:152 Resp: 371172
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.9 86.7
 150 157.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.952 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072161.D
 Acq: 22 Apr 2022 16:59

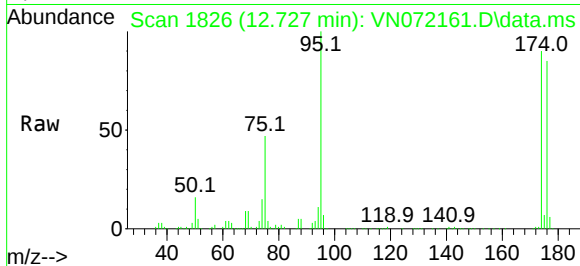
Tgt Ion: 75 Resp: 188754
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#



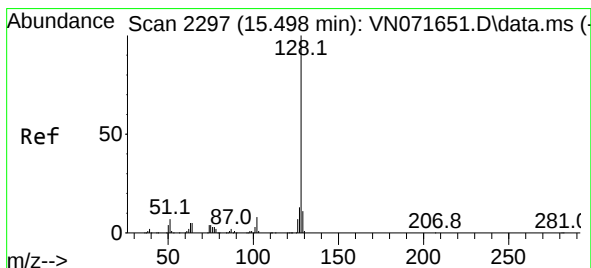
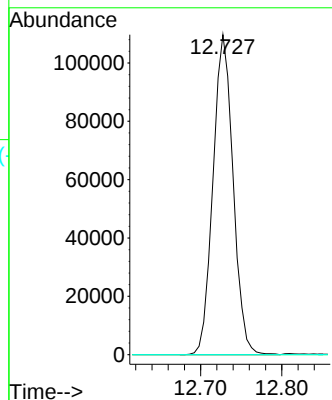
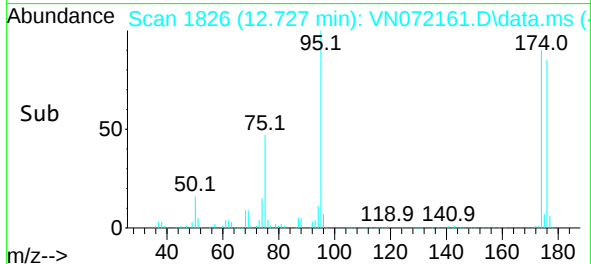


#81
trans-1,4-Dichloro-2-butene
Concen: 68.029 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59

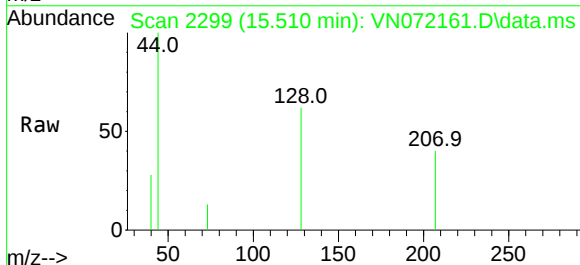
Instrument :
MSVOA_N
ClientSampleId :



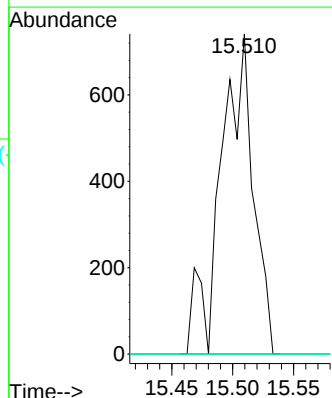
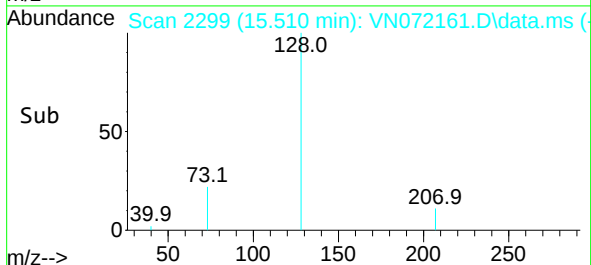
Tgt Ion: 75 Resp: 188754
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

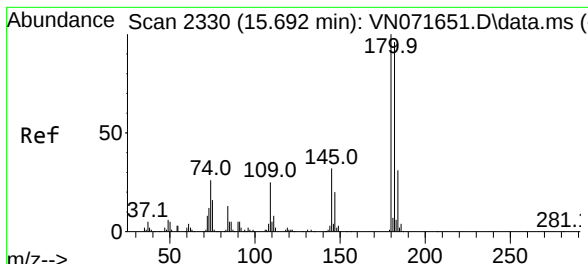


#95
Naphthalene
Concen: 3.879 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN072161.D
Acq: 22 Apr 2022 16:59



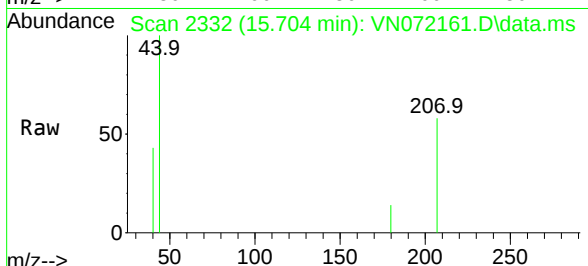
Tgt Ion:128 Resp: 1389
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.423 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN072161.D
 Acq: 22 Apr 2022 16:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	53
Ion	Ratio	Lower	Upper
180	100		
182	254.7	47.8	143.3#
145	0.0	15.5	46.5#

