

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041922\
 Data File : VN072053.D
 Acq On : 19 Apr 2022 16:38
 Operator : JC\MD
 Sample : N2468-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-15-1-6-GR

Quant Time: Apr 20 01:26:59 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)

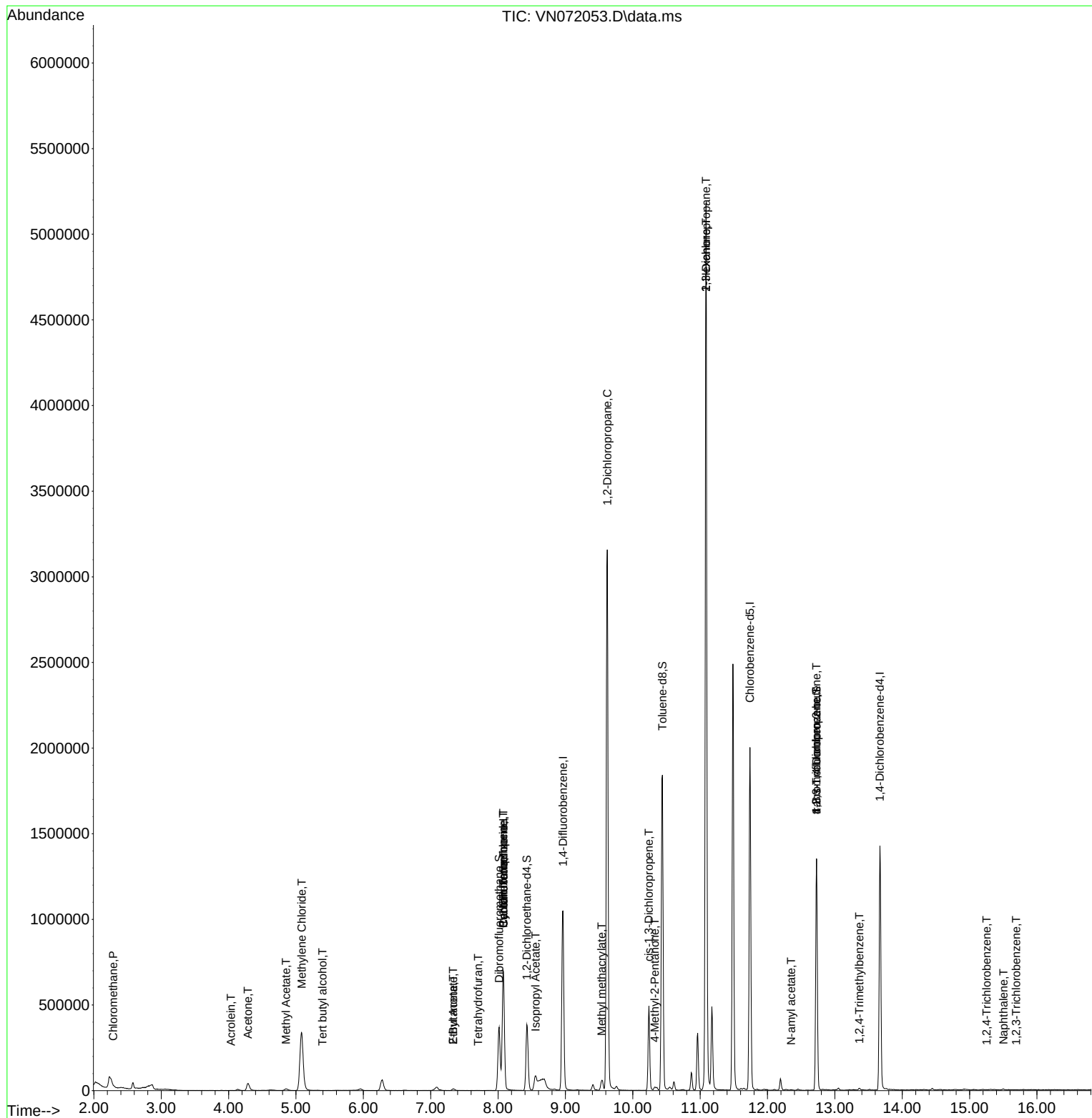
Internal Standards						
1) Pentafluorobenzene	8.081	168	593378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1013746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1211134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	431570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	316470	46.718	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.440%		
35) Dibromofluoromethane	8.016	113	274640	46.039	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.080%		
50) Toluene-d8	10.439	98	1375939	56.385	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	112.760%		
62) 4-Bromofluorobenzene	12.727	95	482483	61.134	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	122.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	1751	0.293	ug/l #	80
11) Tert butyl alcohol	5.392	59	230	0.209	ug/l #	72
13) Acrolein	4.034	56	924	0.689	ug/l	87
16) Acetone	4.287	43	74022	25.569	ug/l	94
18) Methyl Acetate	4.851	43	22257	1.640	ug/l	98
20) Methylene Chloride	5.087	84	316829	51.923	ug/l	98
25) 2-Butanone	7.334	43	19226	4.607	ug/l	96
29) Tetrahydrofuran	7.704	42	684	0.253	ug/l #	42
31) Cyclohexane	8.081	56	10561	1.146	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	40298	4.838	ug/l #	47
37) Ethyl Acetate	7.334	43	19226	2.109	ug/l #	67
38) Carbon Tetrachloride	8.081	117	50731	6.214	ug/l #	17
43) Isopropyl Acetate	8.557	43	106229	7.005	ug/l #	75
45) 1,2-Dichloropropane	9.622	63	4209	0.640	ug/l #	44
48) Methyl methacrylate	9.539	41	17028	2.706	ug/l #	22
49) 1,4-Dioxane	9.622	88	561	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	13430	1.540	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	98706	9.701	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	60542	5.289	ug/l #	43
59) 2-Hexanone	11.086	43	702969	114.510	ug/l #	49
74) N-amyl acetate	12.351	43	2342	0.225	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	229429	22.948	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	229429	71.116	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	7217	0.257	ug/l	90
93) 1,2,4-Trichlorobenzene	15.251	180	56	2.094	ug/l #	1
95) Naphthalene	15.504	128	6110	4.090	ug/l	97
96) 1,2,3-Trichlorobenzene	15.692	180	61	2.423	ug/l #	1

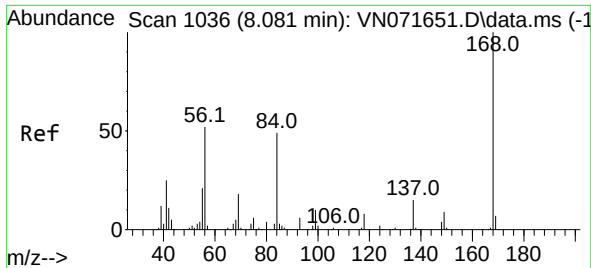
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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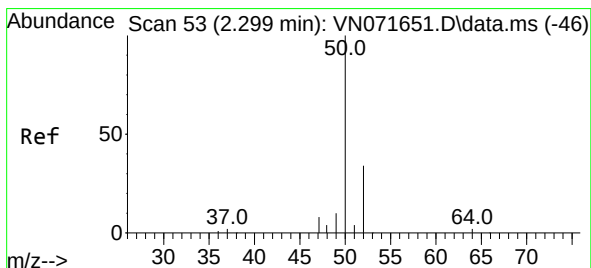
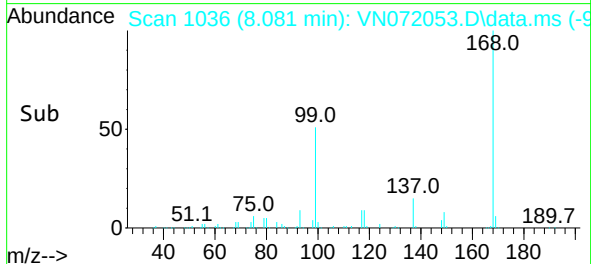
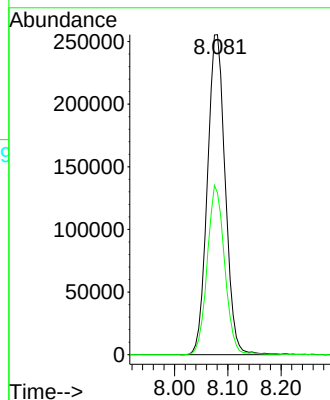
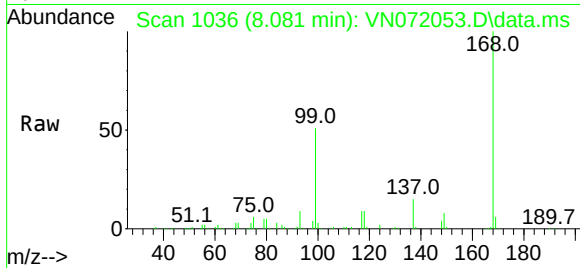




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

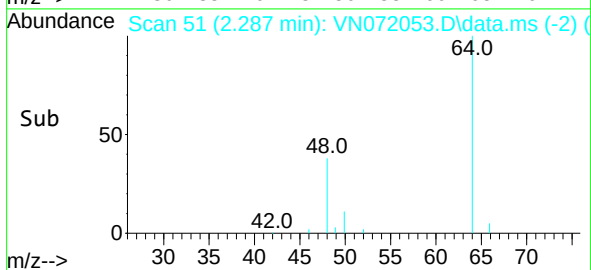
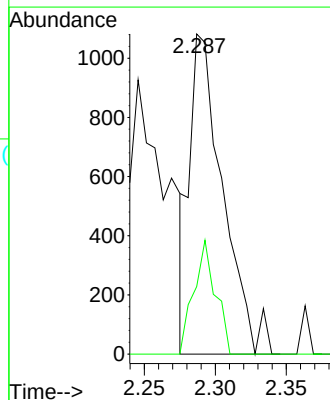
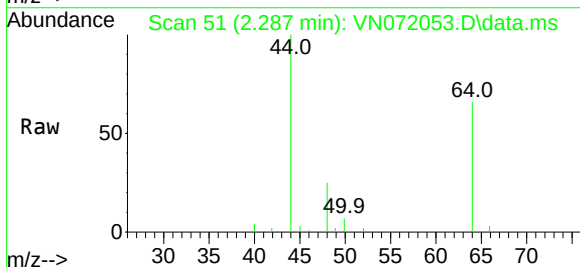
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

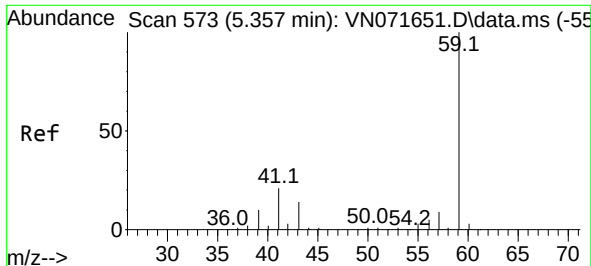
Tgt Ion:168 Resp: 593378
Ion Ratio Lower Upper
168 100
99 50.6 42.3 63.5



#3
Chloromethane
Concen: 0.293 ug/l
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 50 Resp: 1751
Ion Ratio Lower Upper
50 100
52 21.1 25.7 38.5#

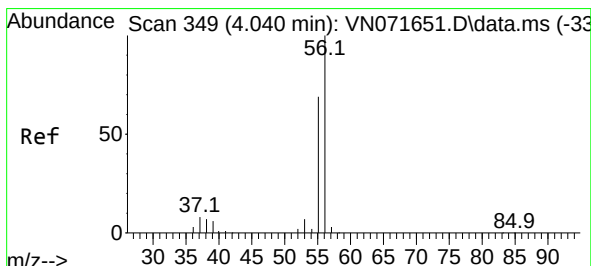
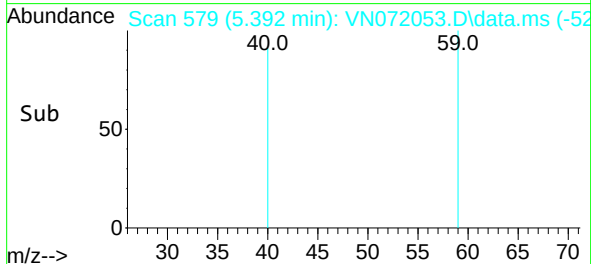
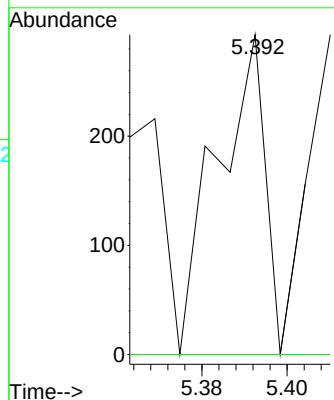
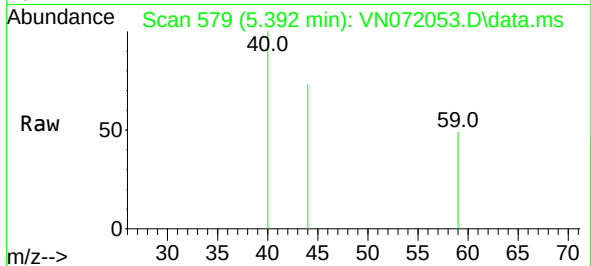




#11
Tert butyl alcohol
Concen: 0.209 ug/l
RT: 5.392 min Scan# 51
Delta R.T. 0.035 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

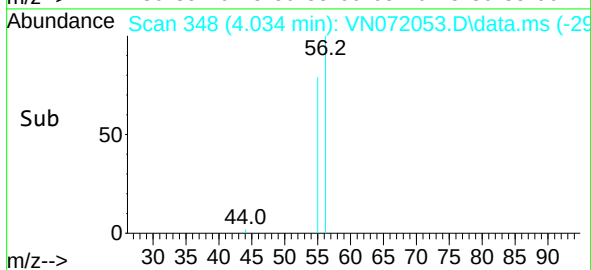
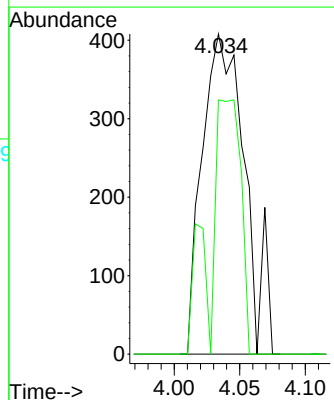
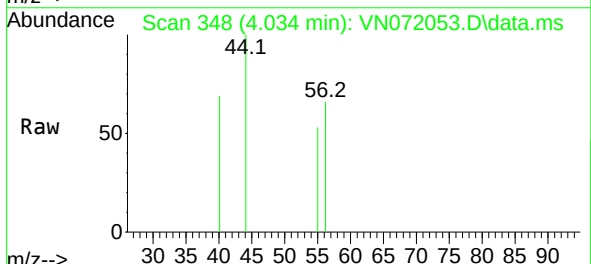
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

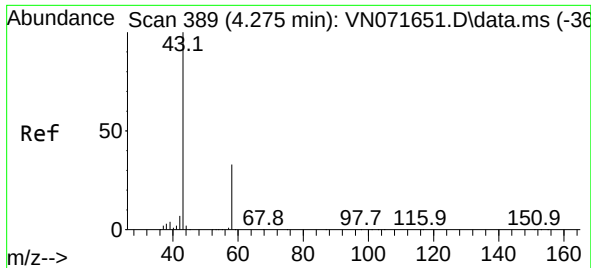
Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.689 ug/l
RT: 4.034 min Scan# 348
Delta R.T. -0.006 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 56 Resp: 924
Ion Ratio Lower Upper
56 100
55 58.3 54.8 82.2

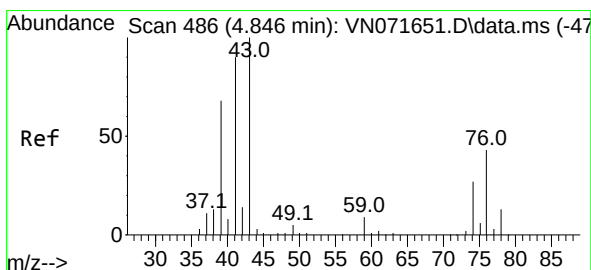
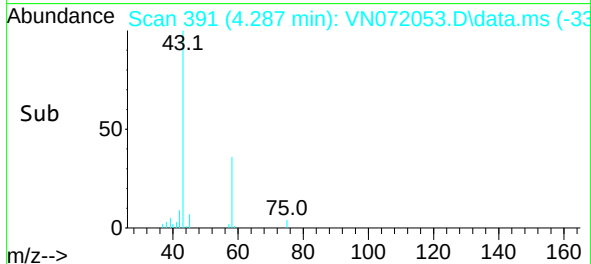
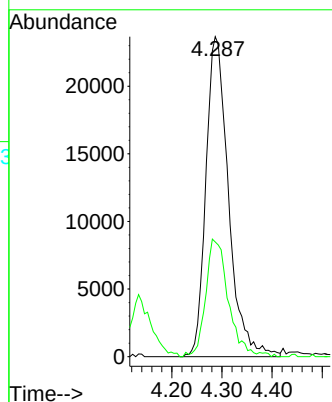
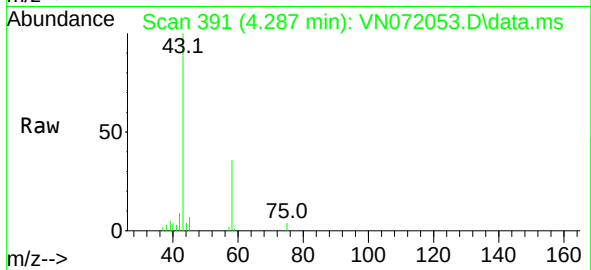




#16
Acetone
Concen: 25.569 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

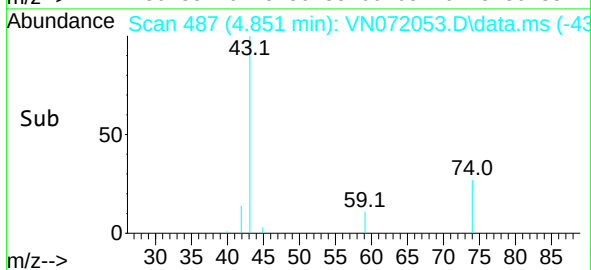
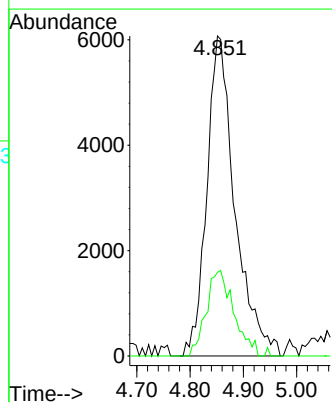
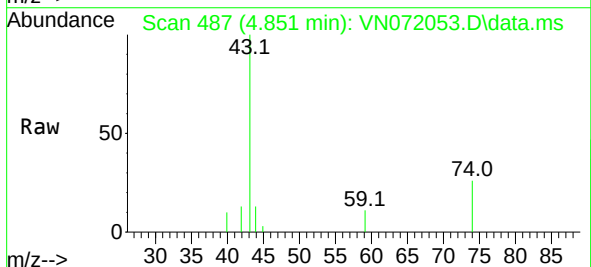
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

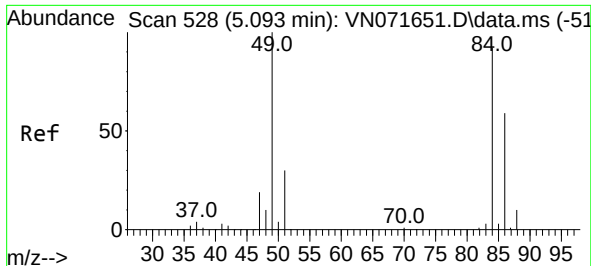
Tgt Ion: 43 Resp: 74022
Ion Ratio Lower Upper
43 100
58 35.9 26.0 39.0



#18
Methyl Acetate
Concen: 1.640 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 43 Resp: 22257
Ion Ratio Lower Upper
43 100
74 26.2 21.6 32.4



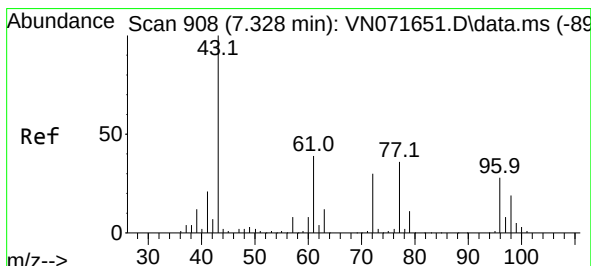
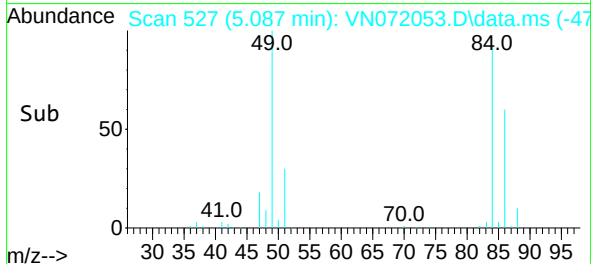
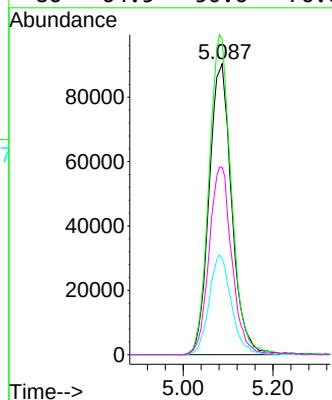
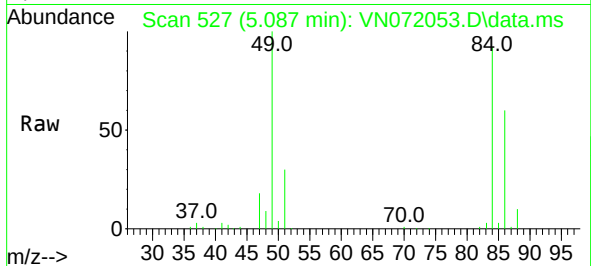


#20
Methylene Chloride
Concen: 51.923 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

Tgt Ion: 84 Resp: 316829

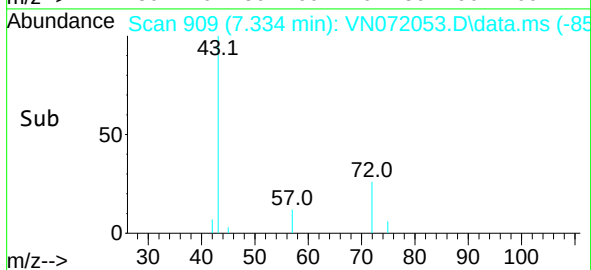
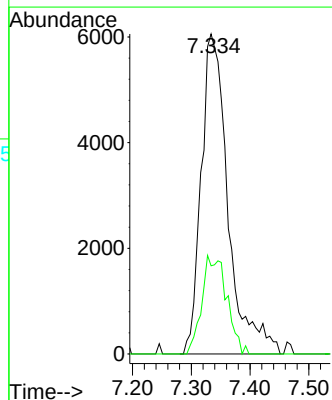
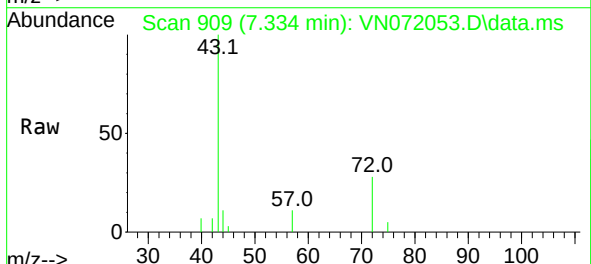
Ion	Ratio	Lower	Upper
84	100		
49	108.4	88.3	132.5
51	33.0	28.2	42.2
86	64.5	50.6	76.0

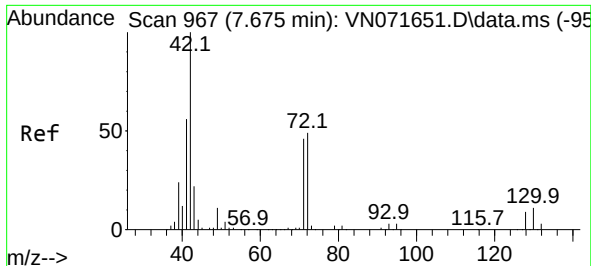


#25
2-Butanone
Concen: 4.607 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 43 Resp: 19226

Ion	Ratio	Lower	Upper
43	100		
72	27.6	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.253 ug/l

RT: 7.704 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN072053.D

Acq: 19 Apr 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-6-GR

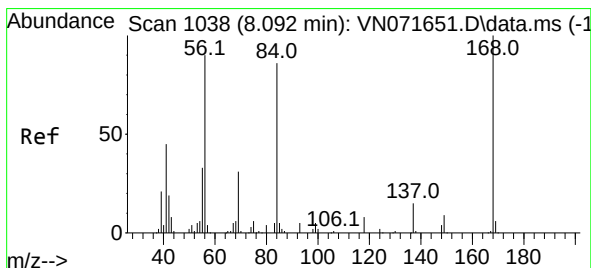
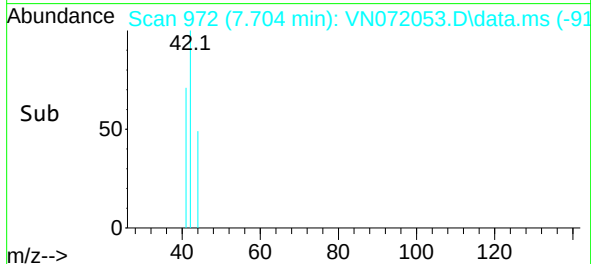
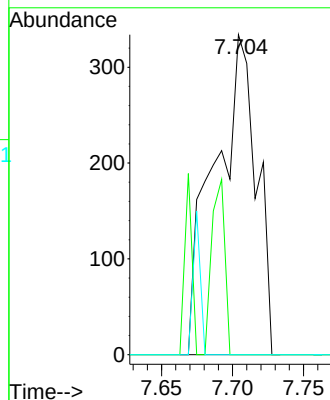
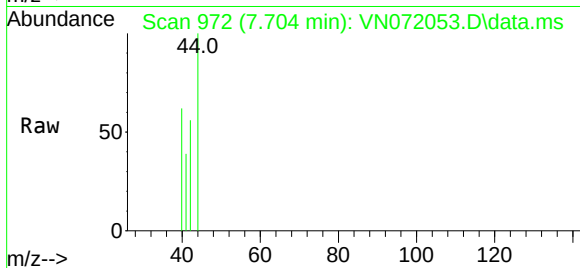
Tgt Ion: 42 Resp: 684

Ion Ratio Lower Upper

42 100

72 17.3 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072053.D

Acq: 19 Apr 2022 16:38

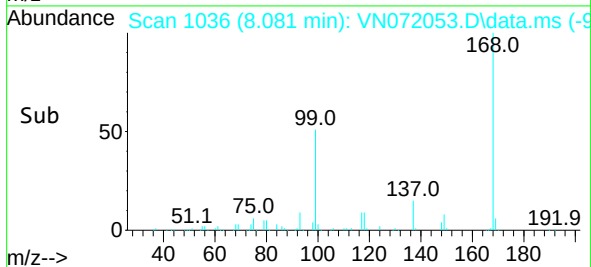
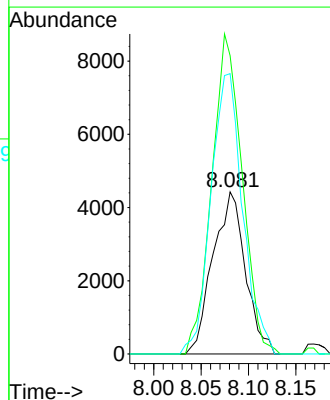
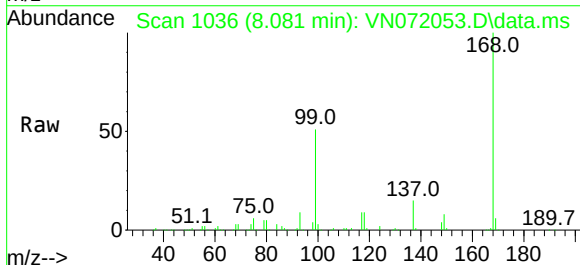
Tgt Ion: 56 Resp: 10561

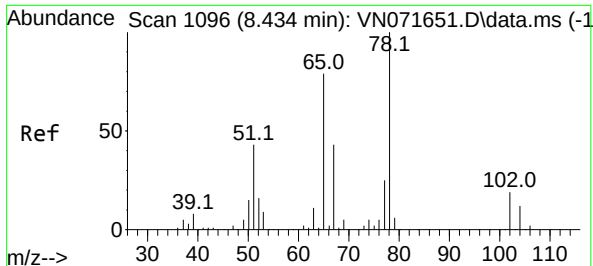
Ion Ratio Lower Upper

56 100

69 184.0 27.8 41.8#

84 173.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.718 ug/l

RT: 8.428 min Scan# 1095

Delta R.T. -0.006 min

Lab File: VN072053.D

Acq: 19 Apr 2022 16:38

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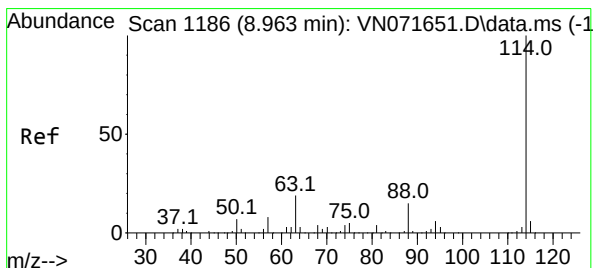
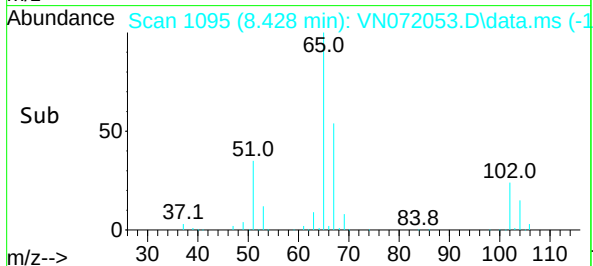
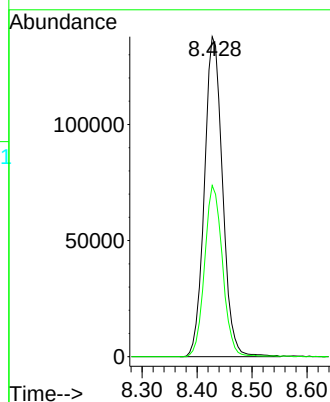
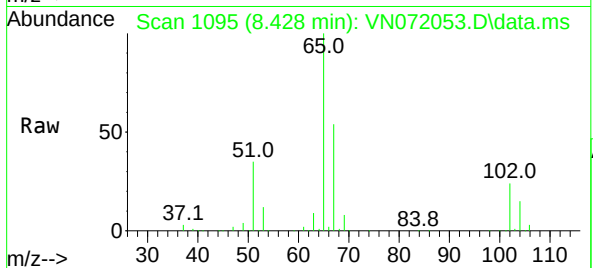
WC-15-1-6-GR

Tgt Ion: 65 Resp: 316470

Ion Ratio Lower Upper

65 100

67 52.8 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: VN072053.D

Acq: 19 Apr 2022 16:38

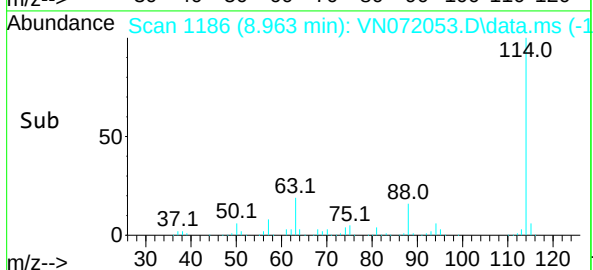
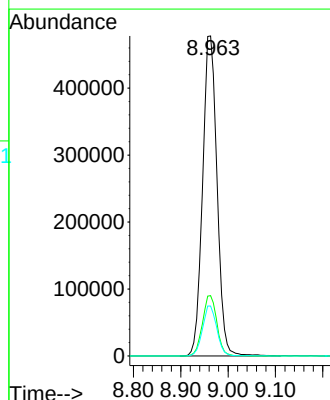
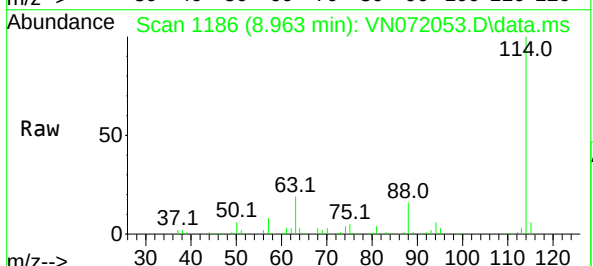
Tgt Ion: 114 Resp: 1013746

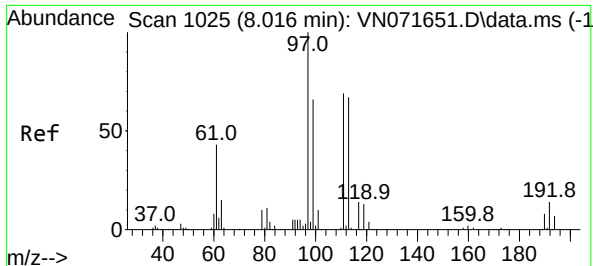
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.6 0.0 32.6

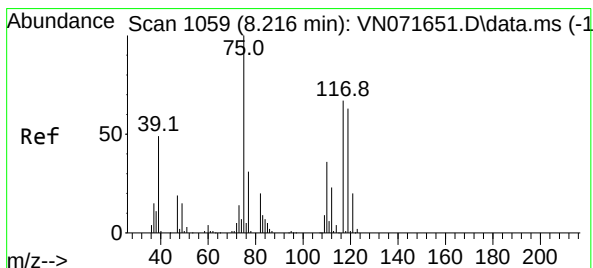
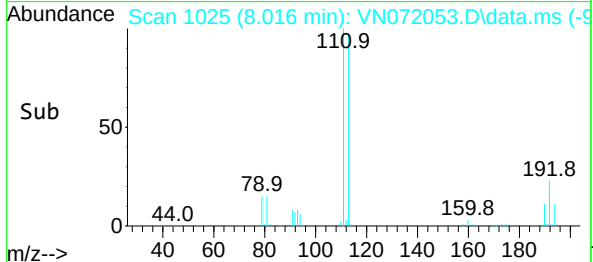
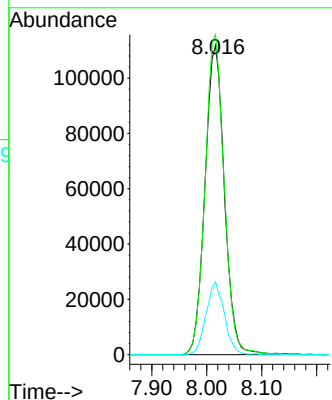
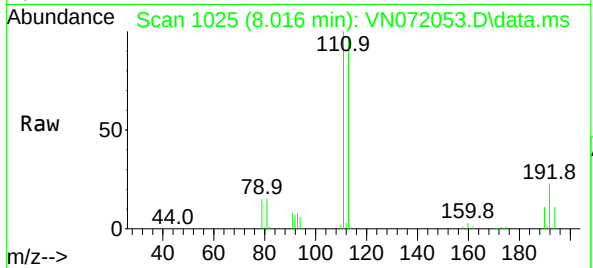




#35
Dibromofluoromethane
Concen: 46.039 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

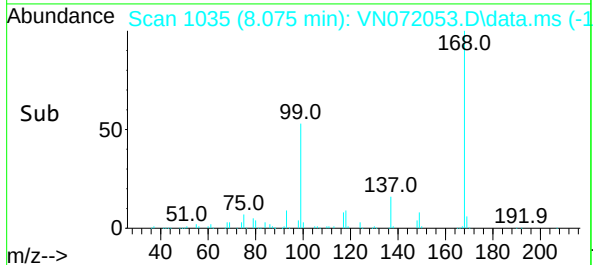
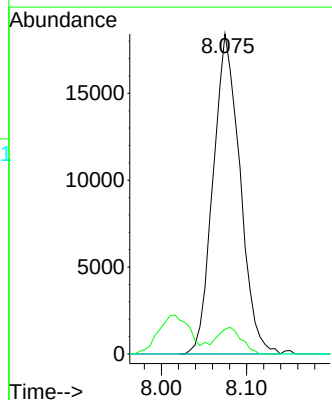
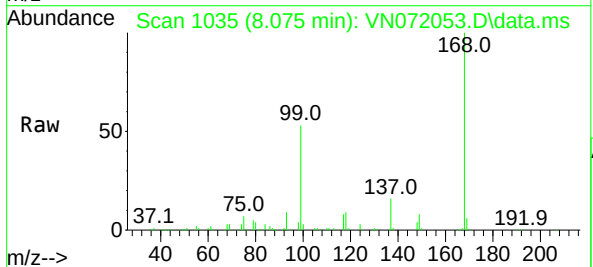
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

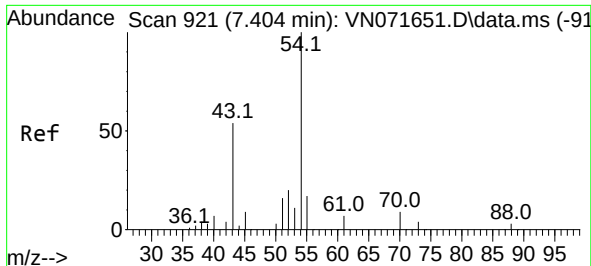
Tgt Ion:113 Resp: 274640
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 22.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.838 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.141 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 75 Resp: 40298
Ion Ratio Lower Upper
75 100
110 7.3 18.3 54.8#
77 0.0 25.1 37.7#

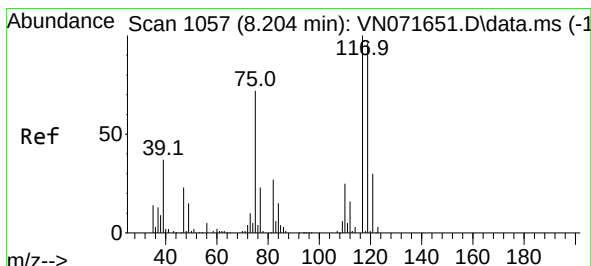
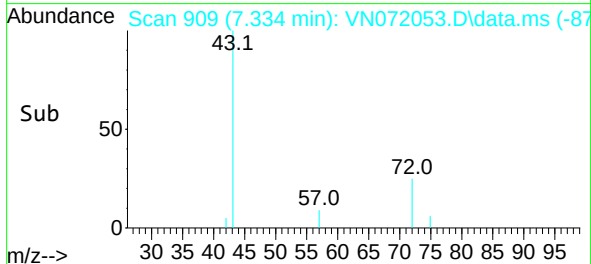
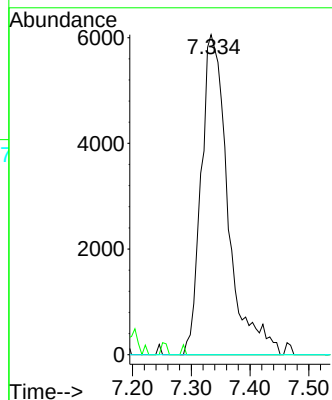
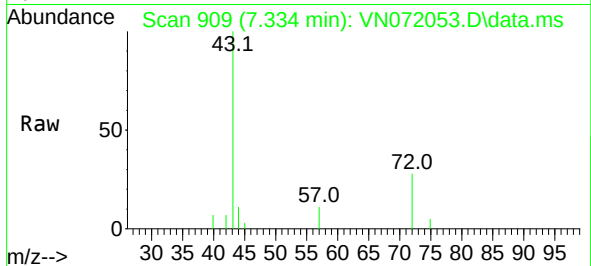




#37
Ethyl Acetate
Concen: 2.109 ug/l
RT: 7.334 min Scan# 90
Delta R.T. -0.070 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

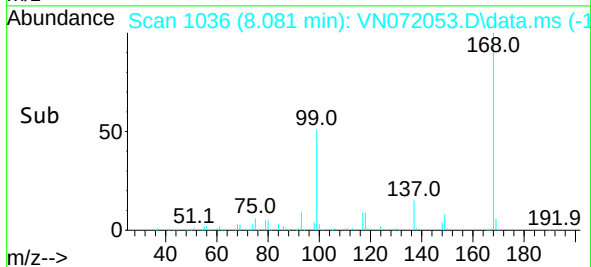
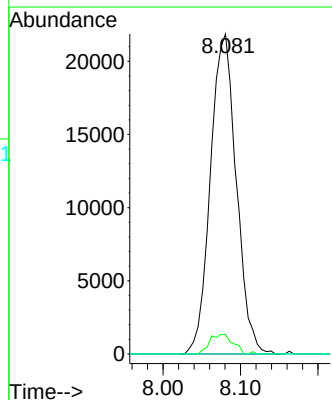
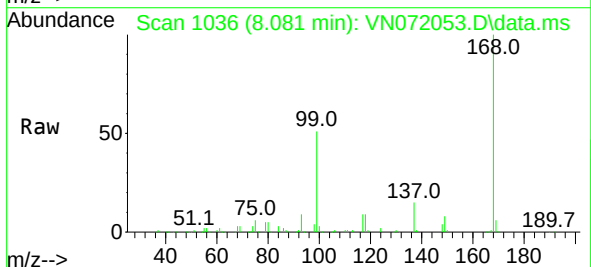
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

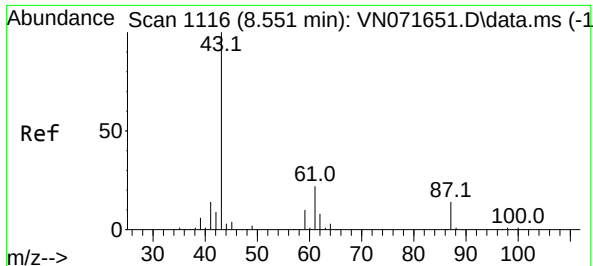
Tgt Ion: 43 Resp: 19226
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 117 Resp: 50731
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 24.6 37.0#

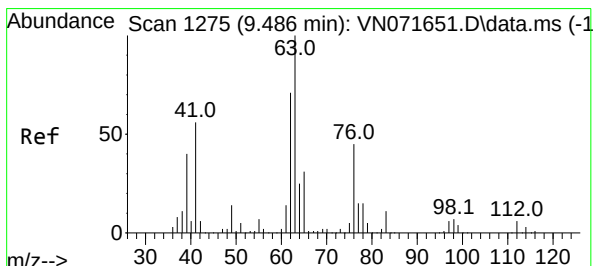
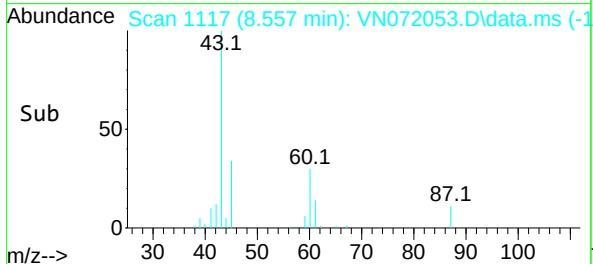
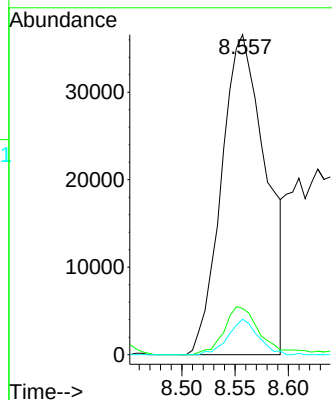
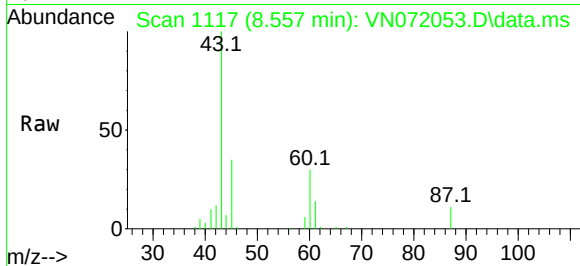




#43
Isopropyl Acetate
Concen: 7.005 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

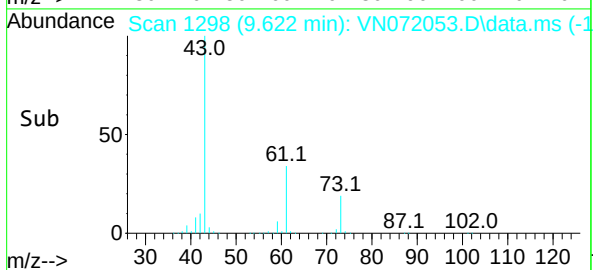
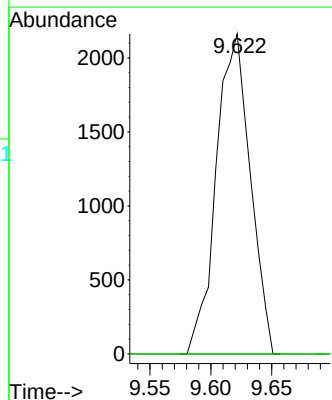
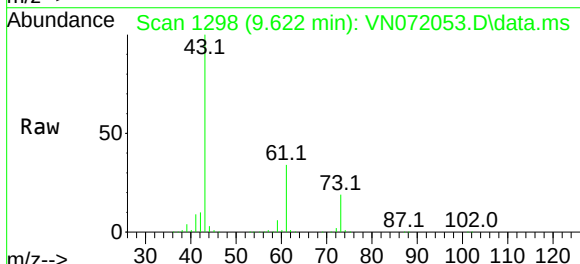
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ClientSampleId :
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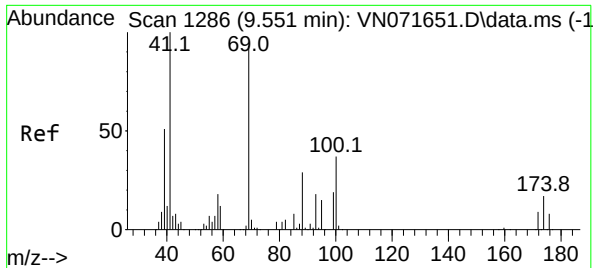
Tgt Ion: 43 Resp: 106229
Ion Ratio Lower Upper
43 100
61 12.2 21.9 32.9#
87 7.4 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 63 Resp: 4209
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

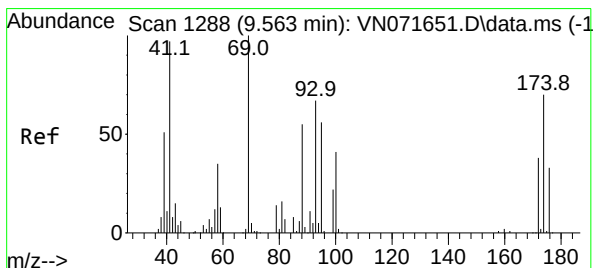
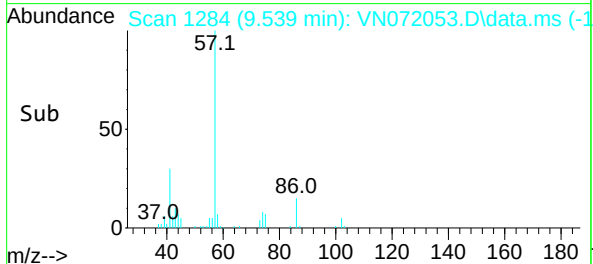
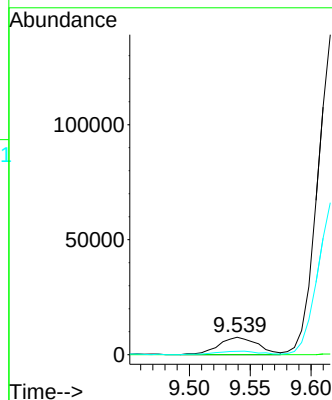
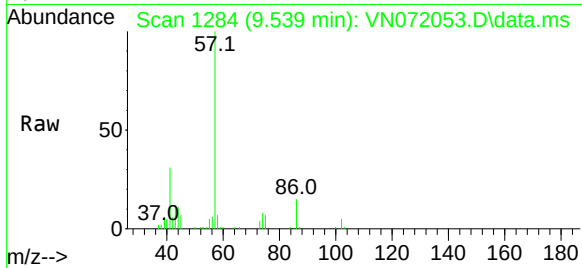




#48
Methyl methacrylate
Concen: 2.706 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

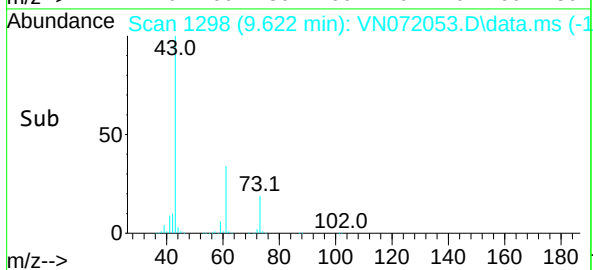
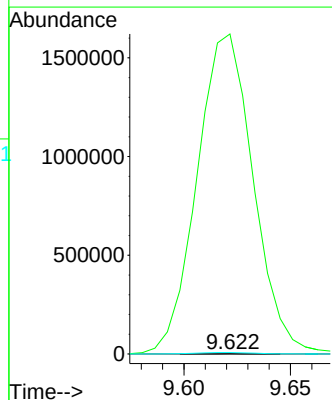
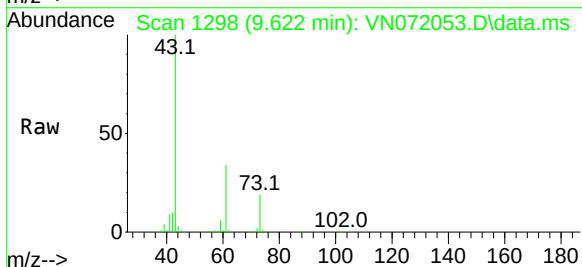
Instrument :
MSVOA_N
ClientSampleId :
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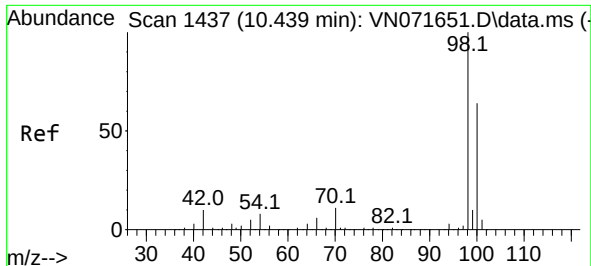
Tgt Ion: 41 Resp: 17028
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 23.1 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 88 Resp: 561
Ion Ratio Lower Upper
88 100
43 536150.1 20.2 30.4#
58 2410.5 54.2 81.4#

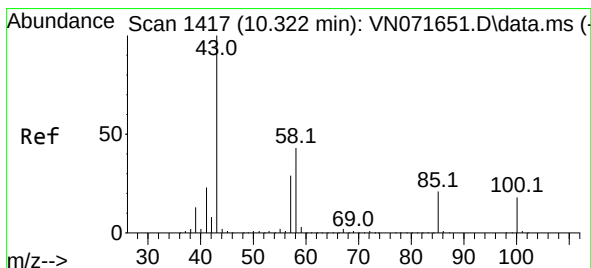
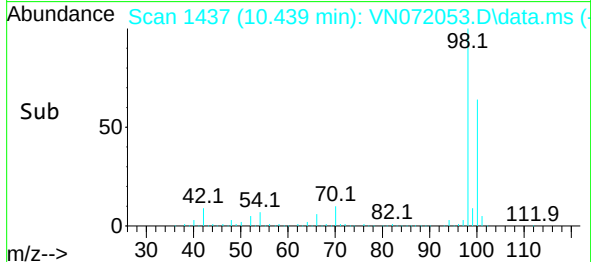
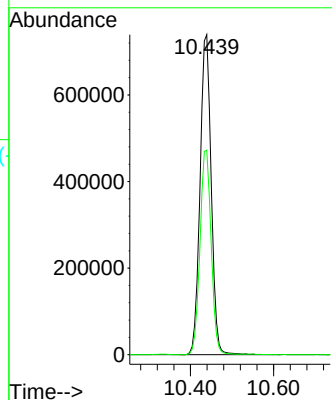
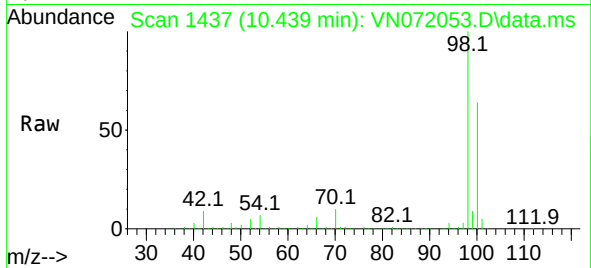




#50
Toluene-d8
Concen: 56.385 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

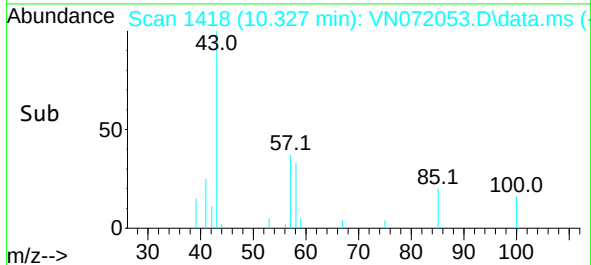
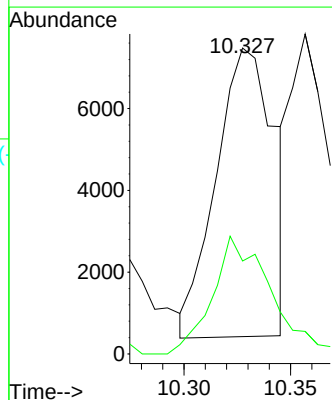
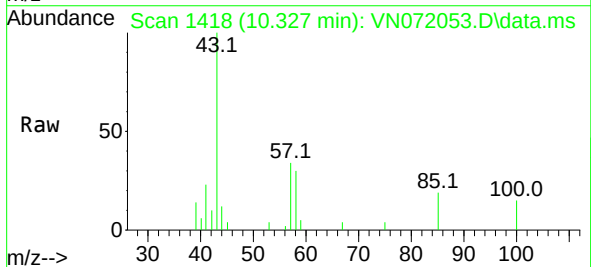
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

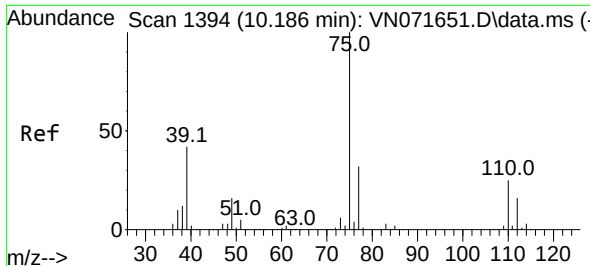
Tgt Ion: 98 Resp: 1375939
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.540 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 43 Resp: 13430
Ion Ratio Lower Upper
43 100
58 40.4 34.1 51.1

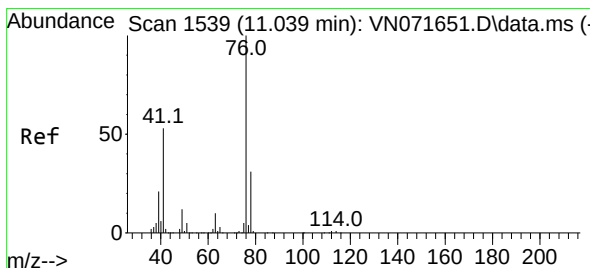
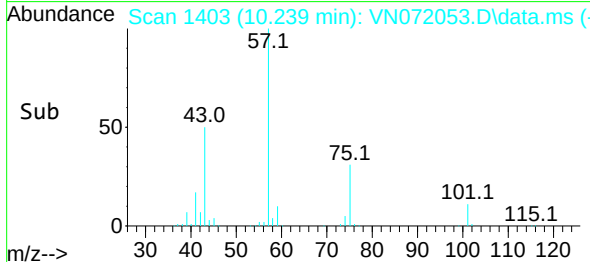
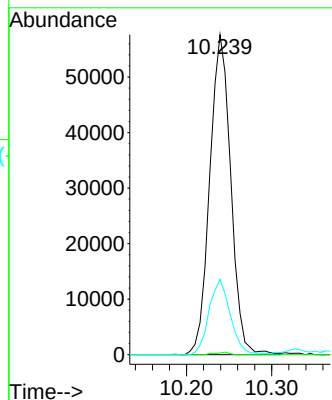
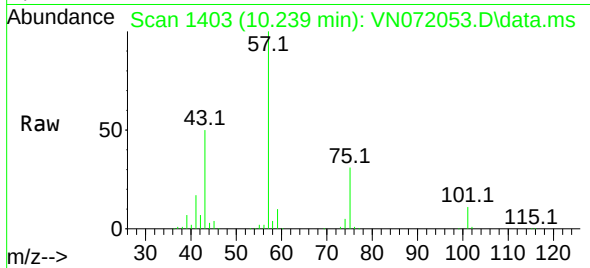




#54
 cis-1,3-Dichloropropene
 Concen: 9.701 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072053.D
 Acq: 19 Apr 2022 16:38

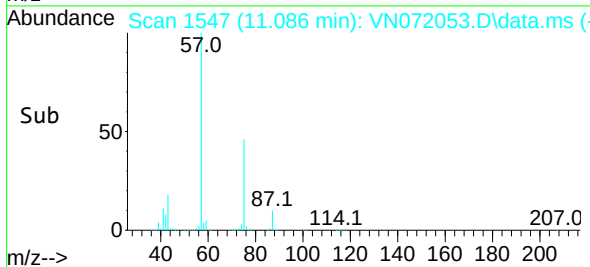
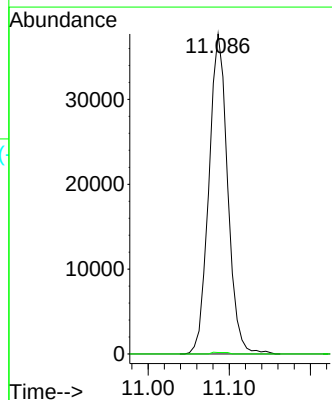
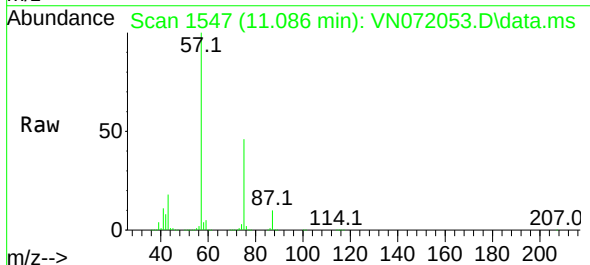
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-15-1-6-GR

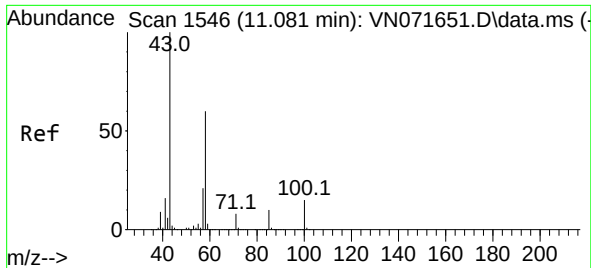
Tgt Ion: 75 Resp: 98706
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 23.6 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.289 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072053.D
 Acq: 19 Apr 2022 16:38

Tgt Ion: 76 Resp: 60542
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

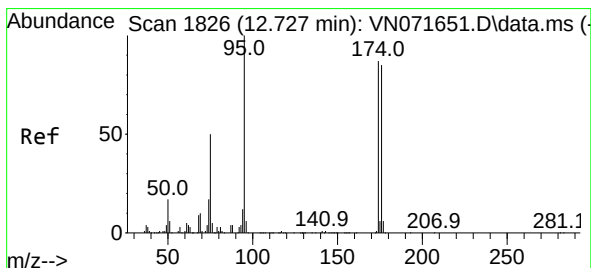
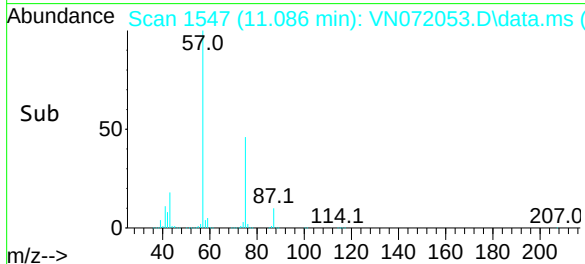
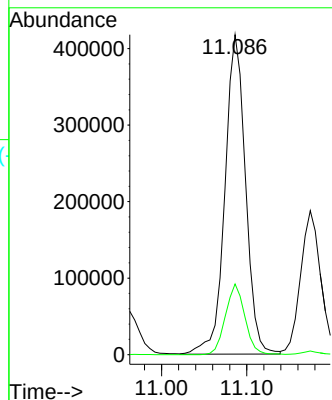
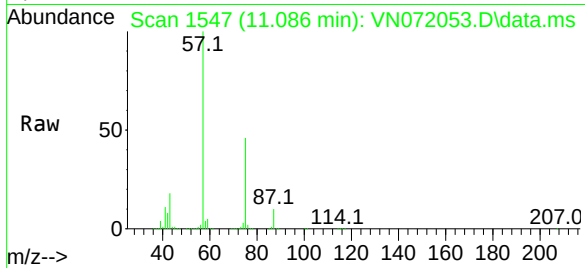




#59
2-Hexanone
Concen: 114.510 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

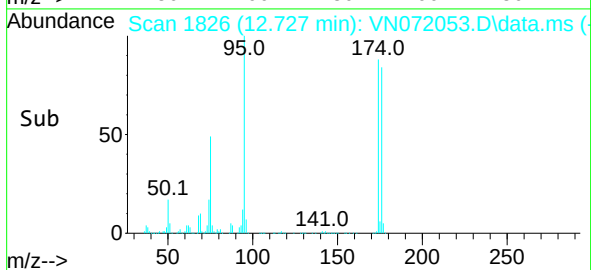
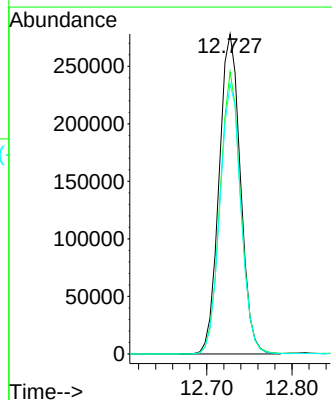
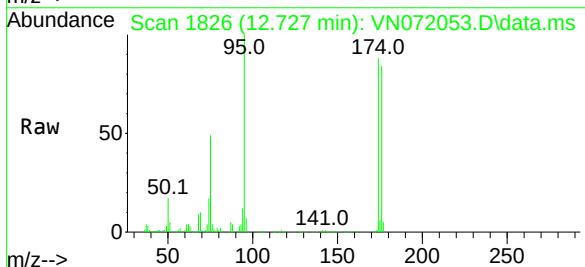
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ClientSampleId :
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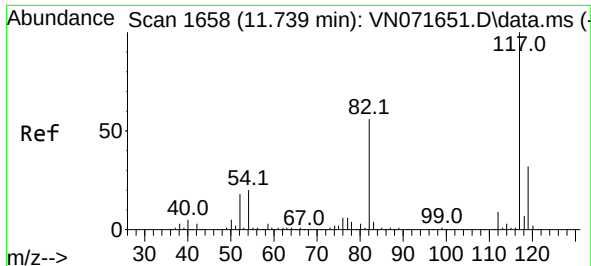
Tgt Ion: 43 Resp: 702969
Ion Ratio Lower Upper
43 100
58 20.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 61.134 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 95 Resp: 482483
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 83.4 0.0 163.4

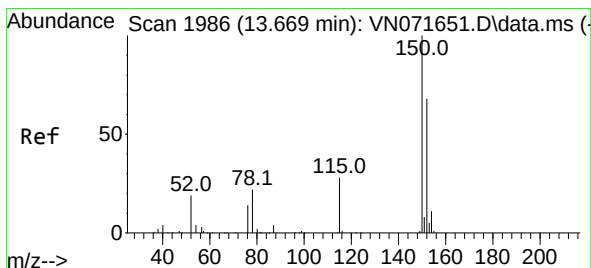
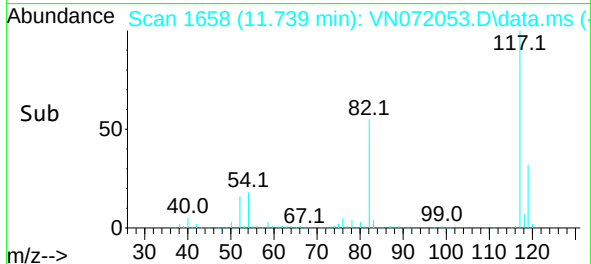
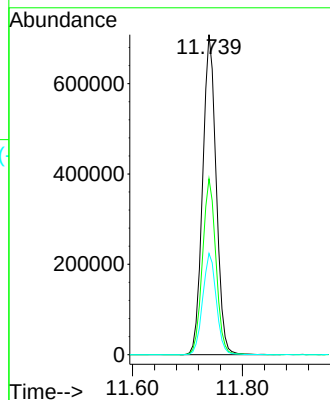
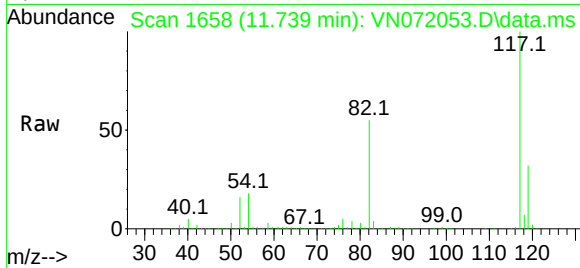




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

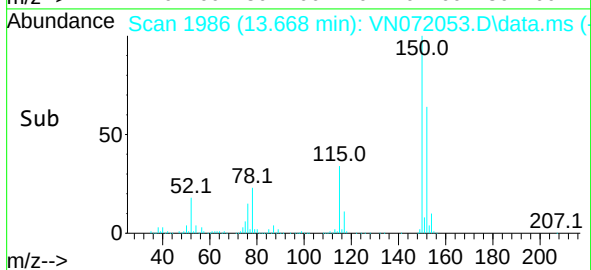
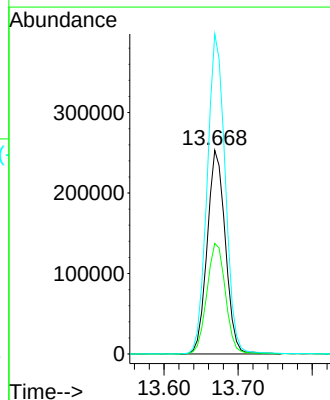
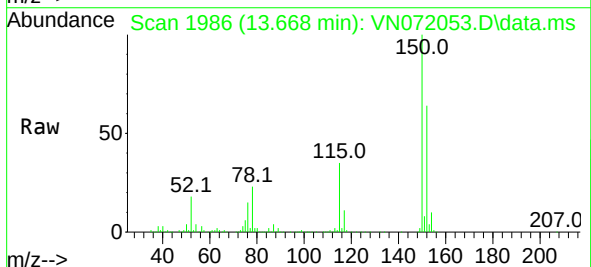
Instrument :
MSVOA_N
ClientSampleId :
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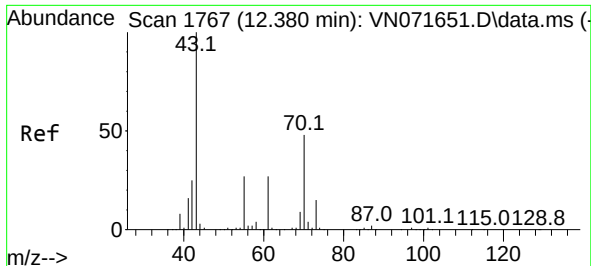
Tgt Ion:117 Resp: 1211134
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion:152 Resp: 431570
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 156.2 0.0 356.2

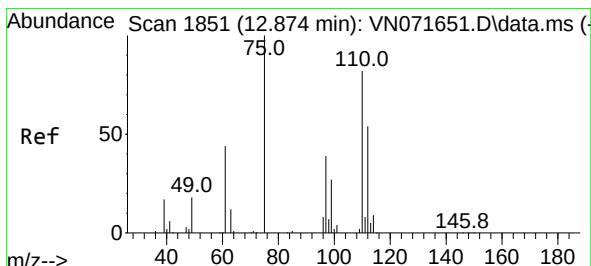
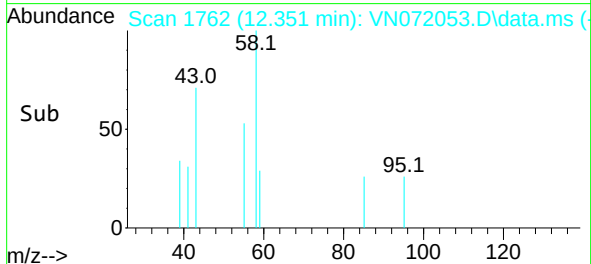
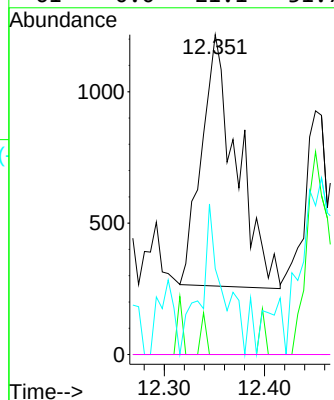
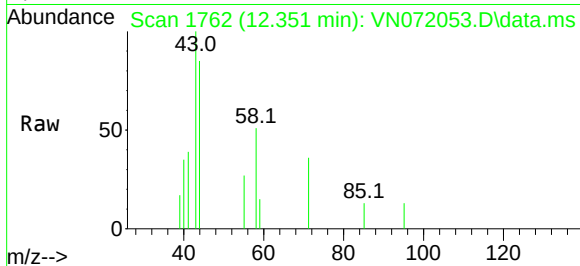




#74
N-amy1 acetate
Concen: 0.225 ug/l
RT: 12.351 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

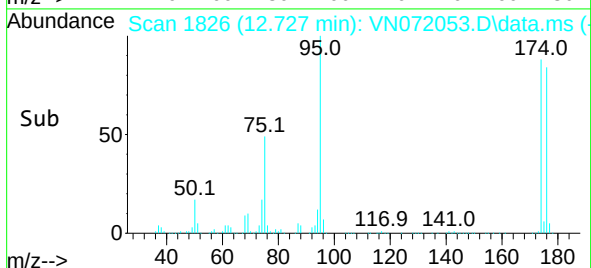
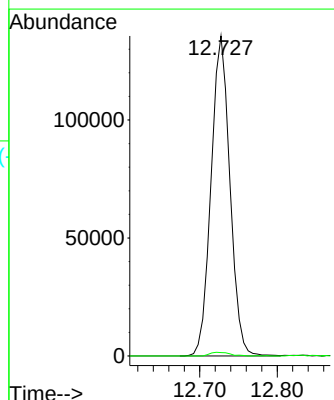
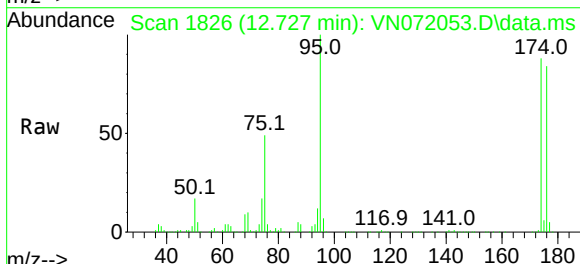
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

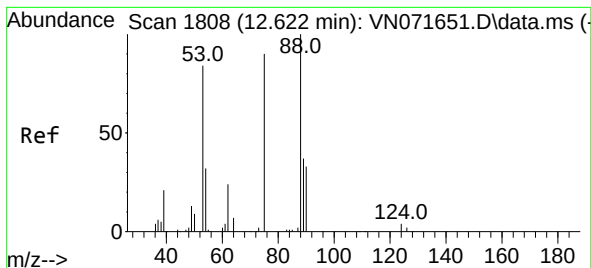
Tgt Ion:	43	Resp:	2342
Ion	Ratio	Lower	Upper
43	100		
70	2.4	39.0	58.4#
55	37.5	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 22.948 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion:	75	Resp:	229429
Ion	Ratio	Lower	Upper
75	100		
77	1.2	98.5	295.5#

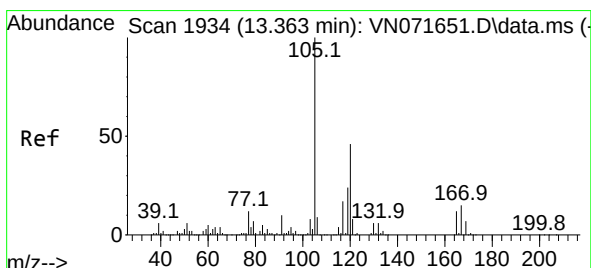
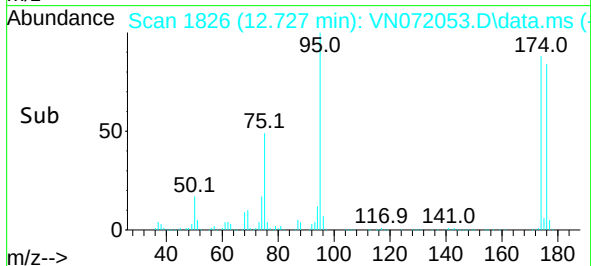
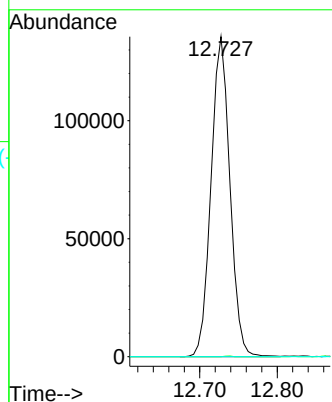
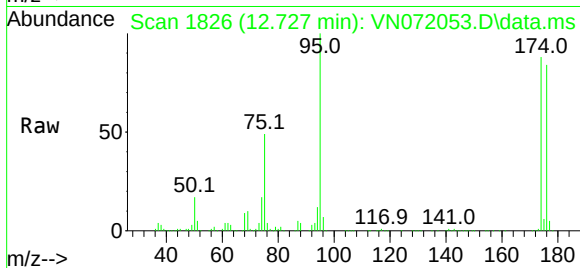




#81
trans-1,4-Dichloro-2-butene
Concen: 71.116 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

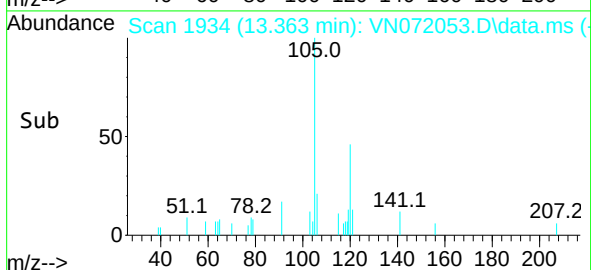
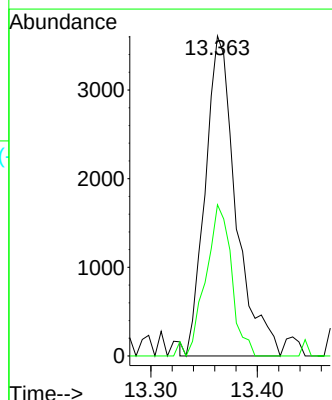
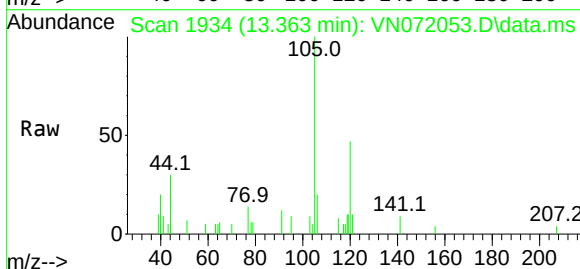
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

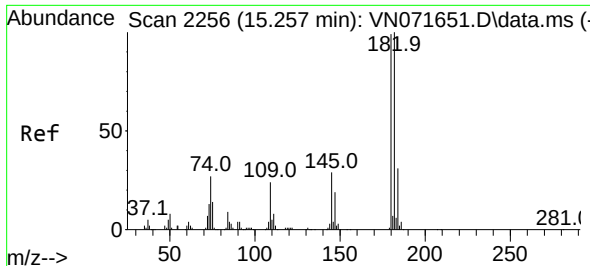
Tgt Ion: 75 Resp: 229429
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.257 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion: 105 Resp: 7217
Ion Ratio Lower Upper
105 100
120 40.0 23.3 69.8

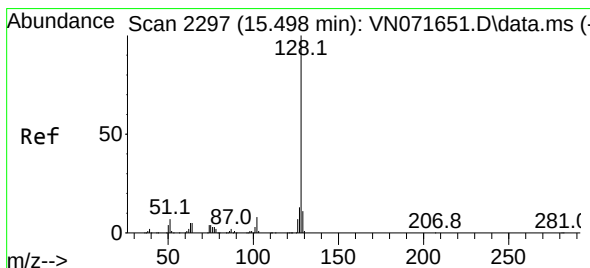
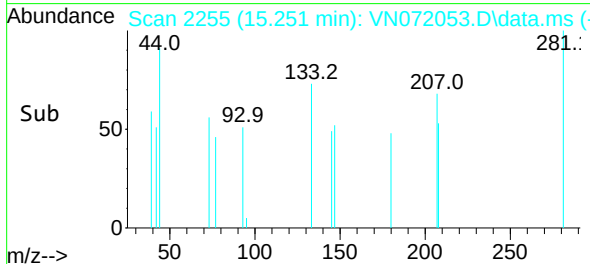
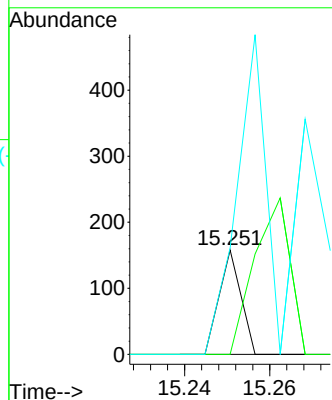
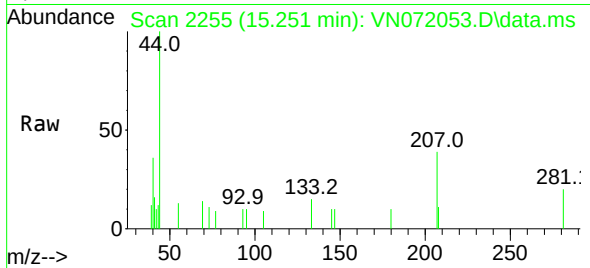




#93
1,2,4-Trichlorobenzene
Concen: 2.094 ug/l
RT: 15.251 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

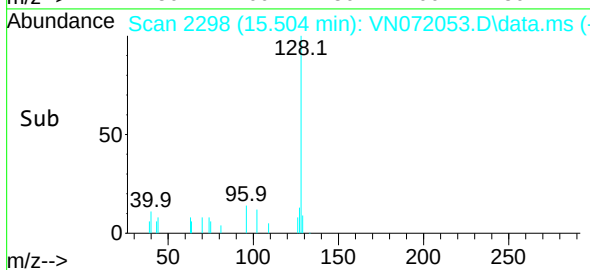
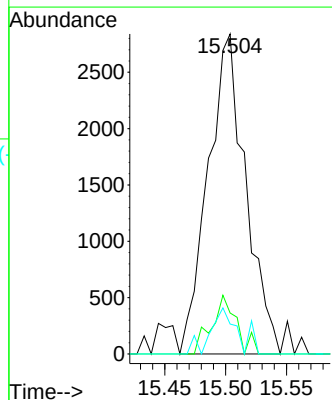
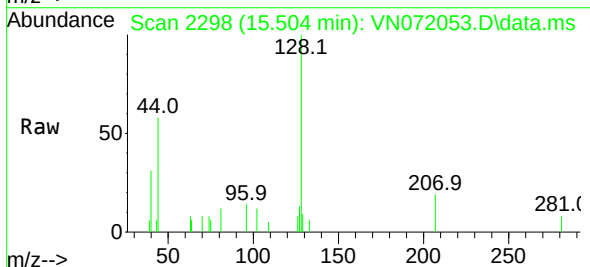
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-6-GR

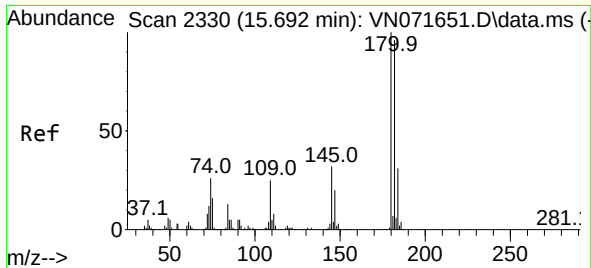
Tgt Ion:180 Resp: 56
Ion Ratio Lower Upper
180 100
182 244.6 47.5 142.5#
145 730.4 14.5 43.5#



#95
Naphthalene
Concen: 4.090 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072053.D
Acq: 19 Apr 2022 16:38

Tgt Ion:128 Resp: 6110
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 8.9 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 2.423 ug/l

RT: 15.692 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072053.D

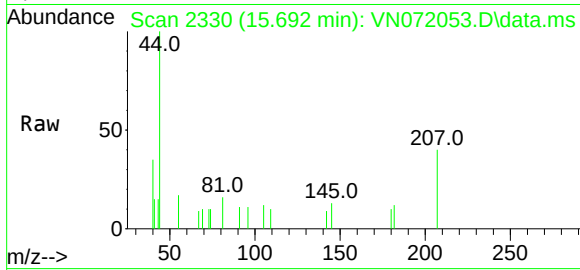
Acq: 19 Apr 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-6-GR



Tgt Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 118.0 47.8 143.3

145 229.5 15.5 46.5#

