

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041922\
 Data File : VN072047.D
 Acq On : 19 Apr 2022 14:13
 Operator : JC\MD
 Sample : N2452-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-15-1-3-GR

Quant Time: Apr 20 01:25:12 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)

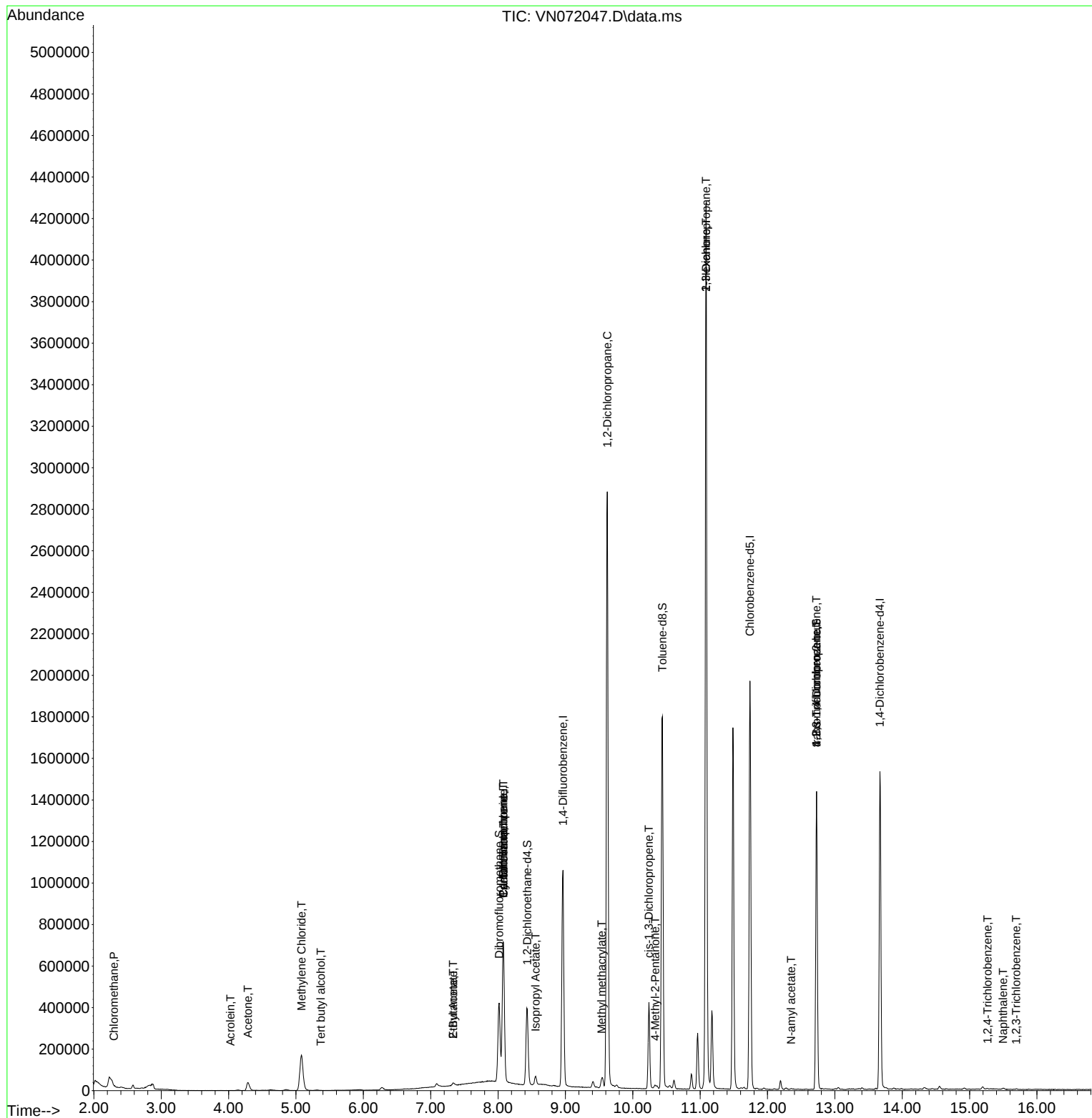
Internal Standards						
1) Pentafluorobenzene	8.080	168	581407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	977711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1241220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	465268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	304297	45.846	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.700%
35) Dibromofluoromethane	8.016	113	282355	49.077	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.160%
50) Toluene-d8	10.439	98	1351377	57.419	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	114.840%
62) 4-Bromofluorobenzene	12.727	95	501639	65.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	131.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1907	0.326	ug/l	97
11) Tert butyl alcohol	5.369	59	234	0.217	ug/l #	72
13) Acrolein	4.028	56	366	0.279	ug/l #	16
16) Acetone	4.287	43	68203	24.044	ug/l	91
20) Methylene Chloride	5.081	84	157687	26.374	ug/l	93
25) 2-Butanone	7.333	43	20429	4.996	ug/l	97
31) Cyclohexane	8.080	56	9127	1.011	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	37243	4.636	ug/l #	49
37) Ethyl Acetate	7.333	43	20429	2.323	ug/l #	67
38) Carbon Tetrachloride	8.080	117	50365	6.396	ug/l #	16
43) Isopropyl Acetate	8.557	43	49939	3.414	ug/l	92
45) 1,2-Dichloropropane	9.622	63	4195	0.662	ug/l #	44
48) Methyl methacrylate	9.539	41	13068	2.153	ug/l #	11
49) 1,4-Dioxane	9.545	88	57	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	9931	1.181	ug/l #	84
54) cis-1,3-Dichloropropene	10.239	75	82937	8.452	ug/l #	56
57) 1,3-Dichloropropane	11.086	76	47756	4.326	ug/l #	42
59) 2-Hexanone	11.086	43	576701	97.404	ug/l #	49
74) N-amyl acetate	12.351	43	5380	0.479	ug/l #	43
76) 1,2,3-Trichloropropane	12.727	75	241003	22.360	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	241003	69.293	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.268	180	1025	2.218	ug/l #	17
95) Naphthalene	15.498	128	7009	4.109	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.692	180	1549	2.620	ug/l #	68

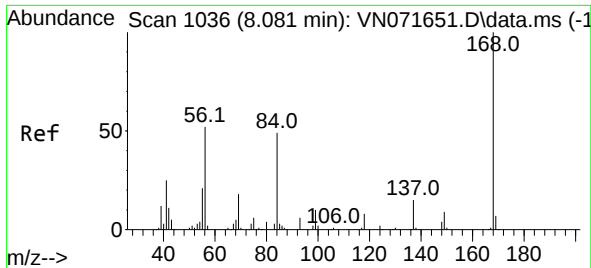
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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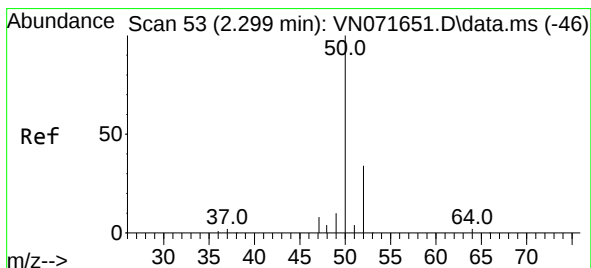
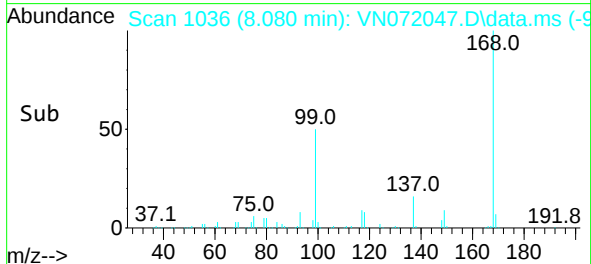
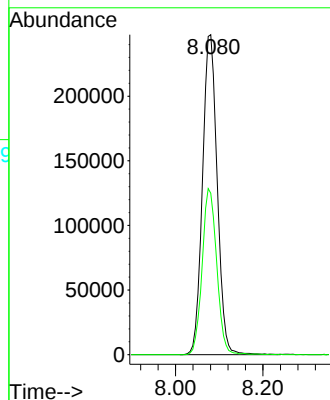
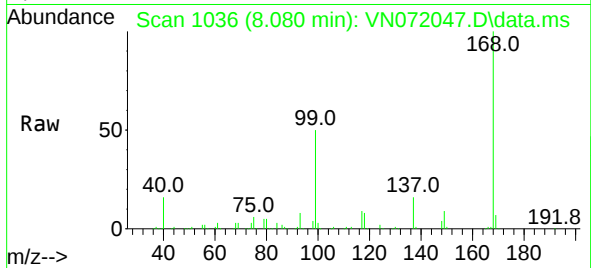




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

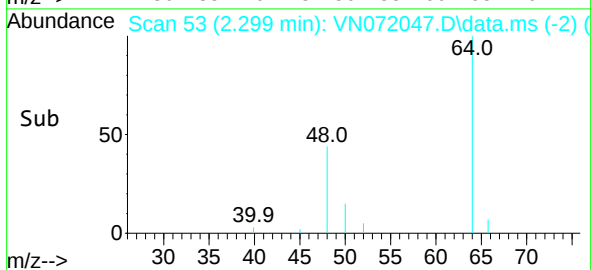
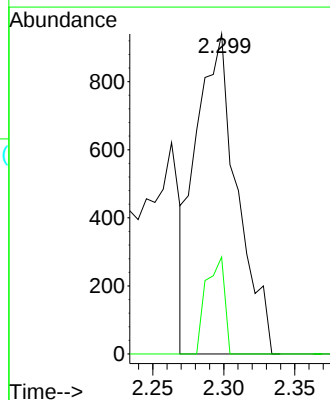
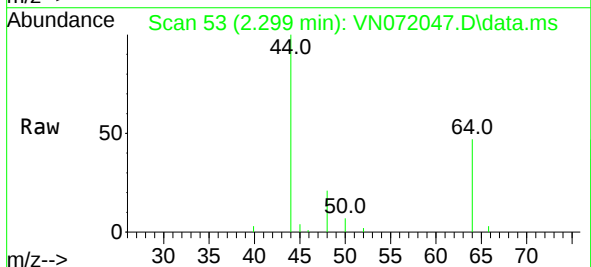
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

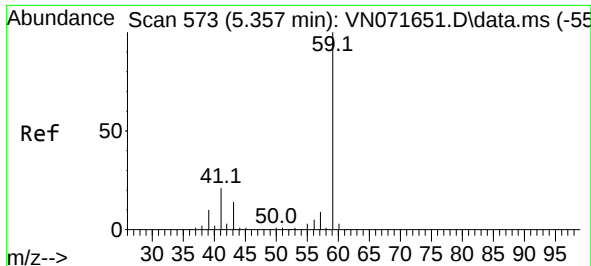
Tgt Ion:168 Resp: 581407
Ion Ratio Lower Upper
168 100
99 50.5 42.3 63.5



#3
Chloromethane
Concen: 0.326 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion: 50 Resp: 1907
Ion Ratio Lower Upper
50 100
52 30.3 25.7 38.5





#11

Tert butyl alcohol

Concen: 0.217 ug/l

RT: 5.369 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

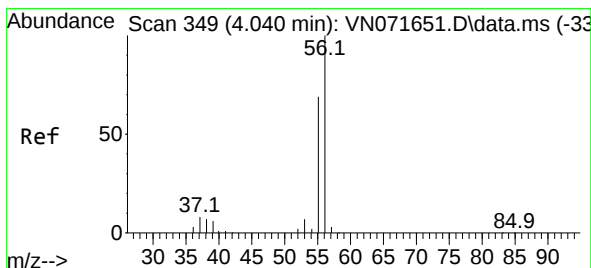
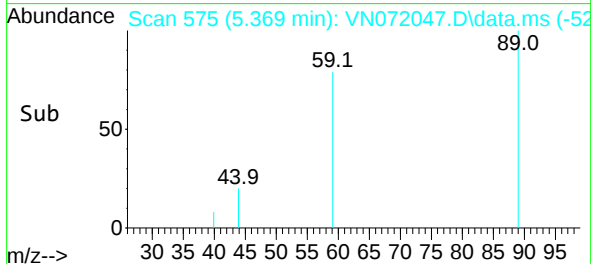
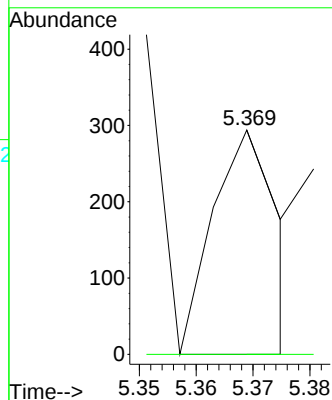
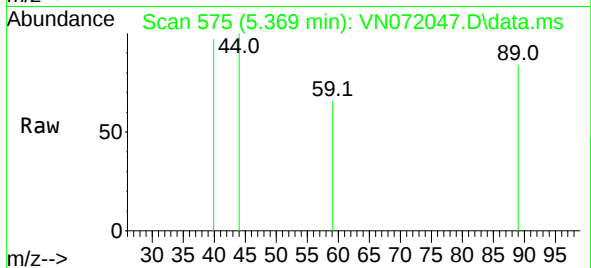
WC-15-1-3-GR

Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.279 ug/l

RT: 4.028 min Scan# 347

Delta R.T. -0.012 min

Lab File: VN072047.D

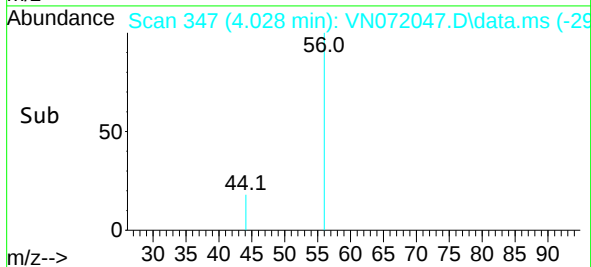
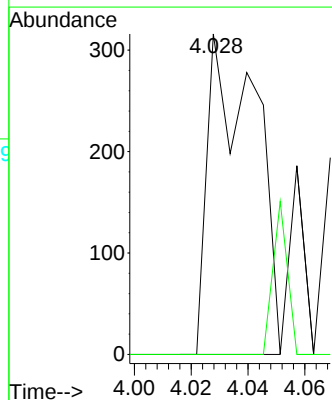
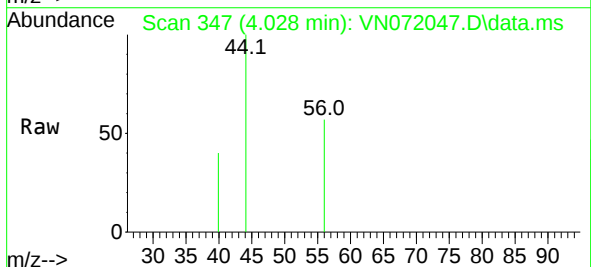
Acq: 19 Apr 2022 14:13

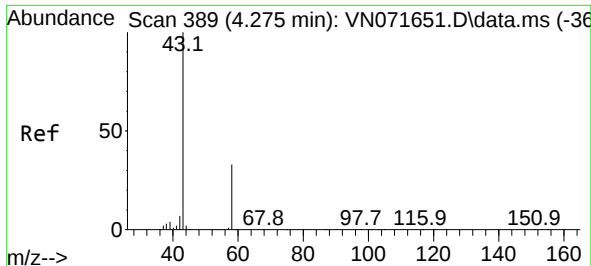
Tgt Ion: 56 Resp: 366

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#

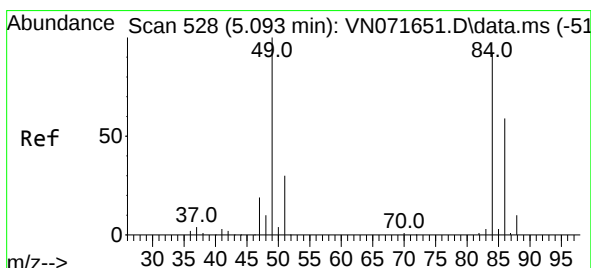
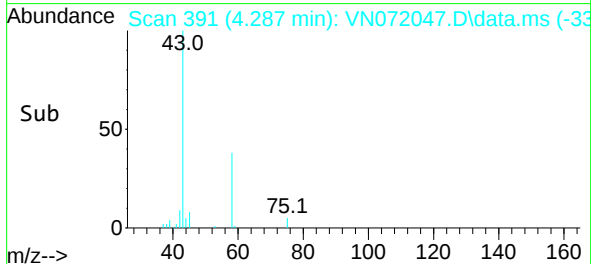
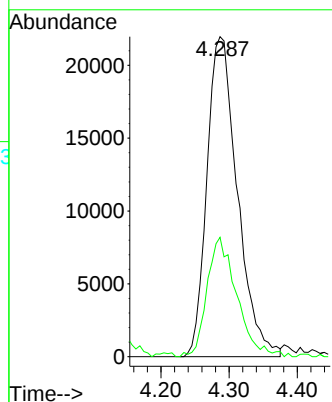
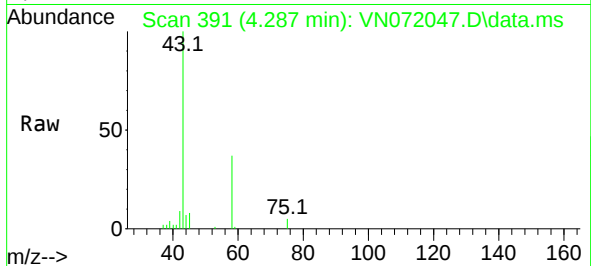




#16
Acetone
Concen: 24.044 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

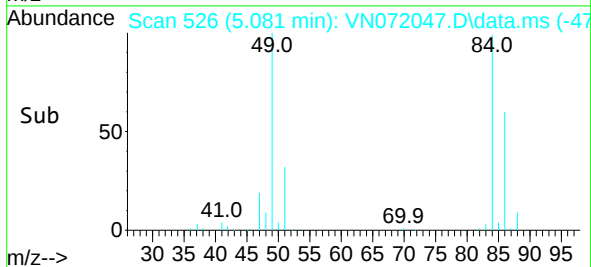
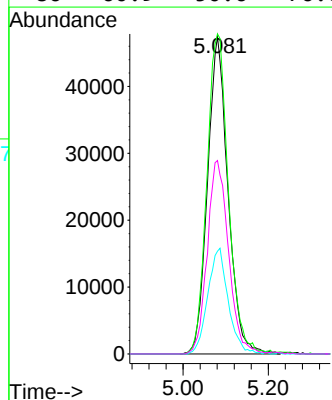
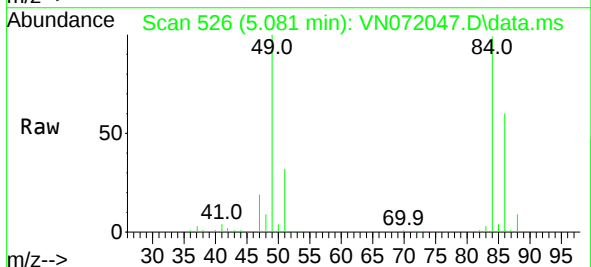
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

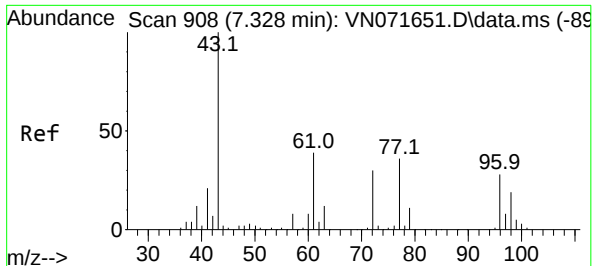
Tgt Ion: 43 Resp: 68203
Ion Ratio Lower Upper
43 100
58 37.3 26.0 39.0



#20
Methylene Chloride
Concen: 26.374 ug/l
RT: 5.081 min Scan# 526
Delta R.T. -0.012 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion: 84 Resp: 157687
Ion Ratio Lower Upper
84 100
49 100.8 88.3 132.5
51 32.4 28.2 42.2
86 60.9 50.6 76.0





#25

2-Butanone

Concen: 4.996 ug/l

RT: 7.333 min Scan# 908

Delta R.T. 0.005 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

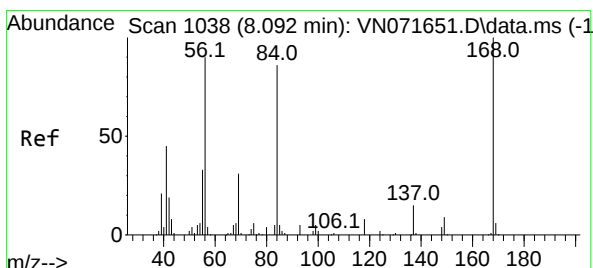
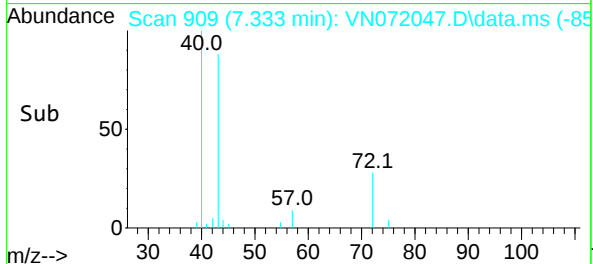
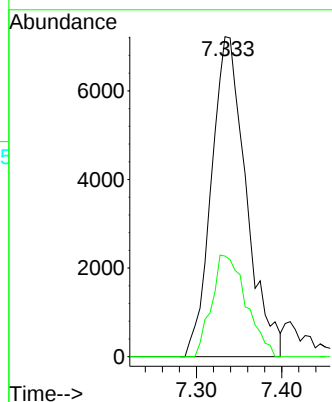
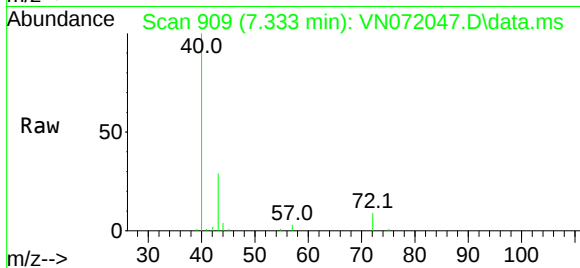
WC-15-1-3-GR

Tgt Ion: 43 Resp: 20429

Ion Ratio Lower Upper

43 100

72 31.4 23.7 35.5



#31

Cyclohexane

Concen: 1.011 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

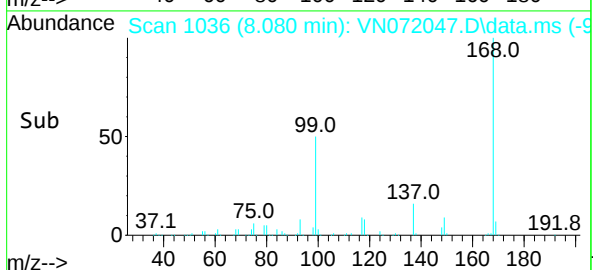
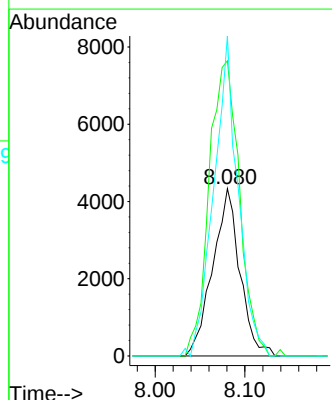
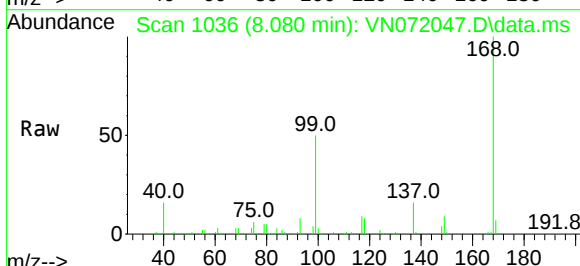
Tgt Ion: 56 Resp: 9127

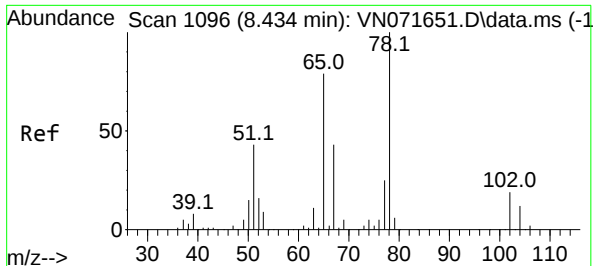
Ion Ratio Lower Upper

56 100

69 176.3 27.8 41.8#

84 191.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.846 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

Instrument :

MSVOA_N

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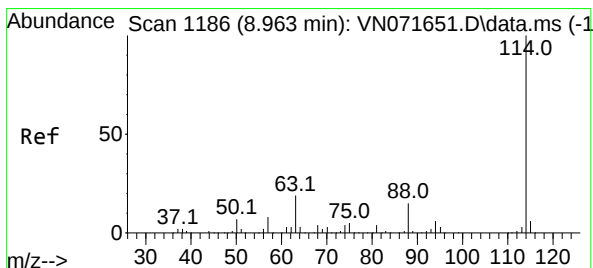
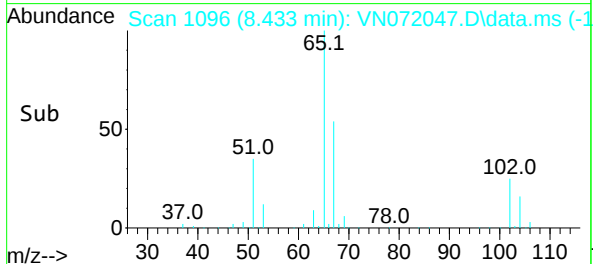
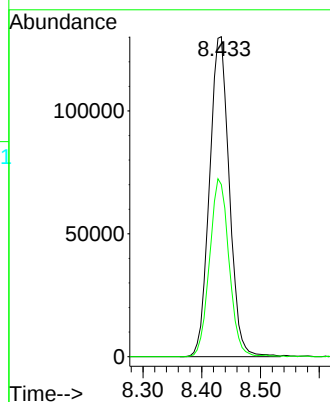
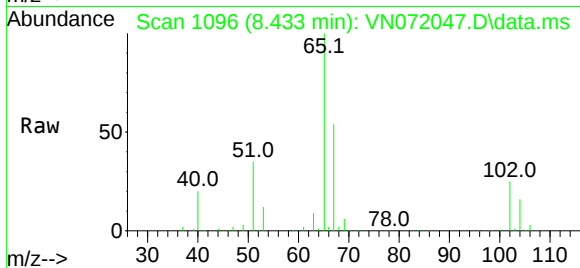
WC-15-1-3-GR

Tgt Ion: 65 Resp: 304297

Ion Ratio Lower Upper

65 100

67 54.5 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: VN072047.D

Acq: 19 Apr 2022 14:13

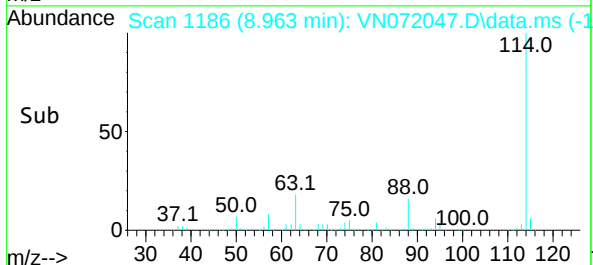
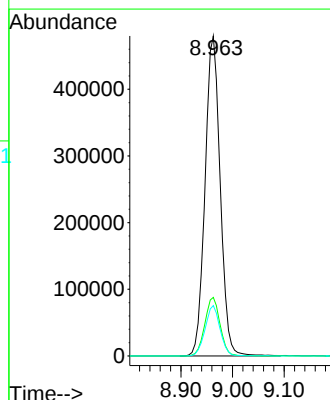
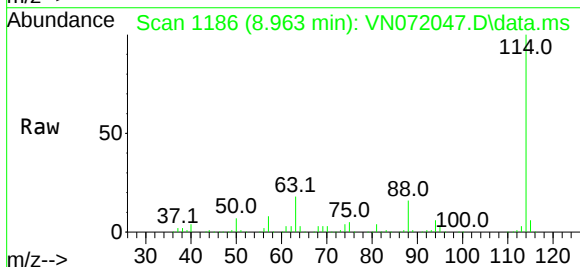
Tgt Ion: 114 Resp: 977711

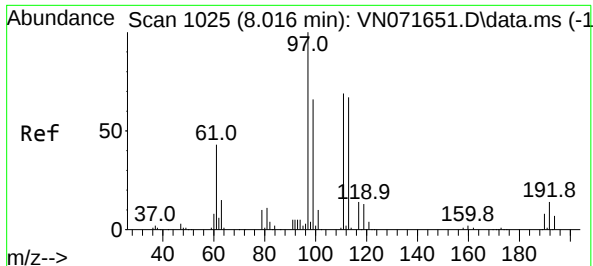
Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.077 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-3-GR

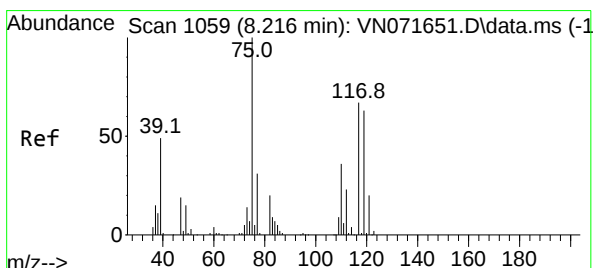
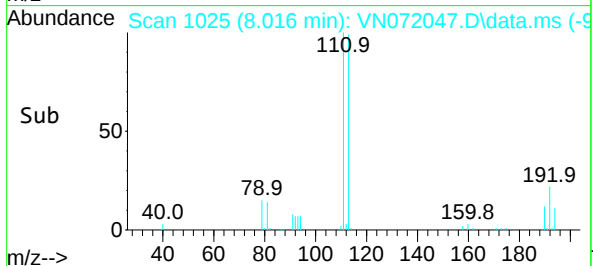
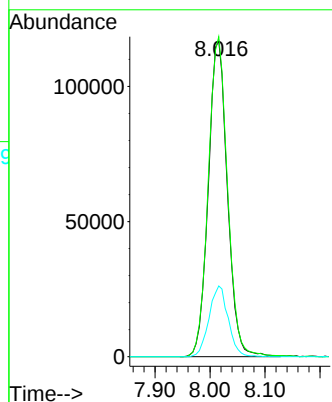
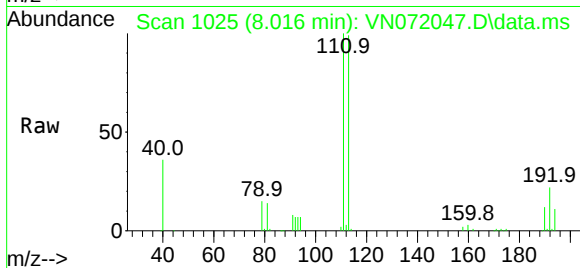
Tgt Ion:113 Resp: 282355

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 22.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

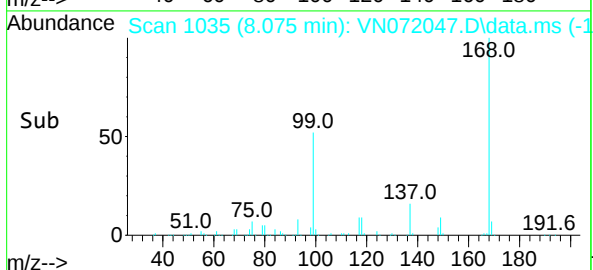
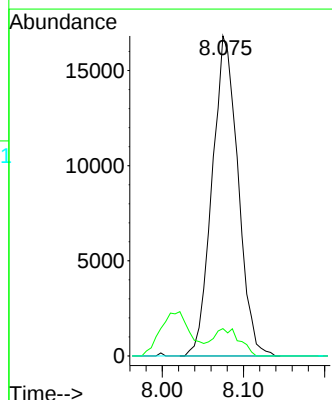
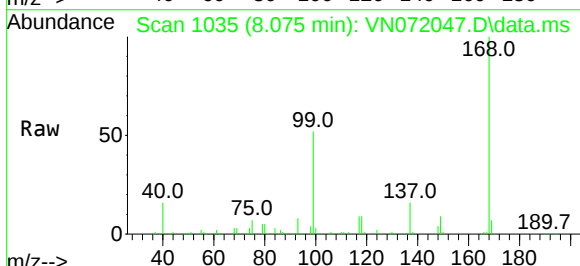
Tgt Ion: 75 Resp: 37243

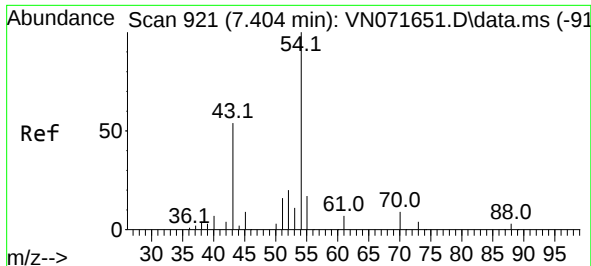
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 2.323 ug/l

RT: 7.333 min Scan# 90

Delta R.T. -0.071 min

Lab File: VN072047.D

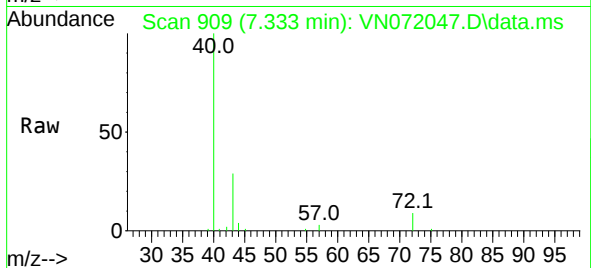
Acq: 19 Apr 2022 14:13

Instrument :

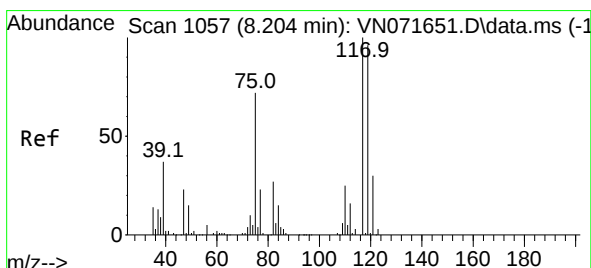
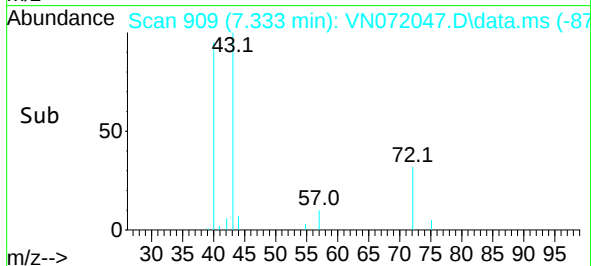
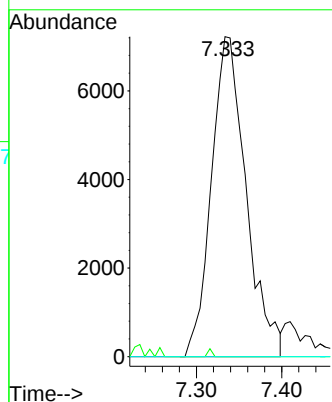
MSVOA_N

ClientSampleId :

WC-15-1-3-GR



Tgt Ion: 43	Resp: 20429
Ion Ratio	Lower Upper
43	100
61	0.0 11.8 17.6#
70	0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 6.396 ug/l

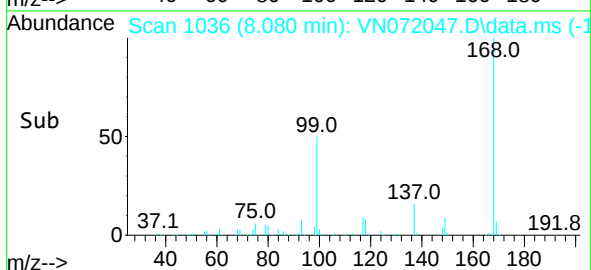
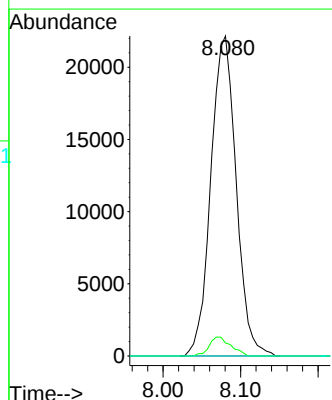
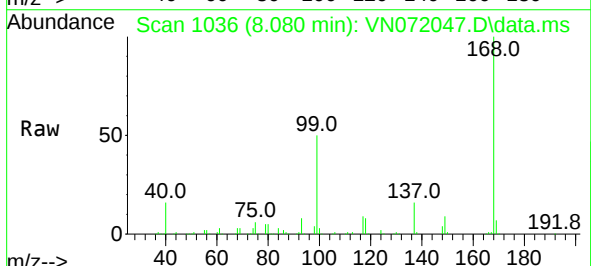
RT: 8.080 min Scan# 1036

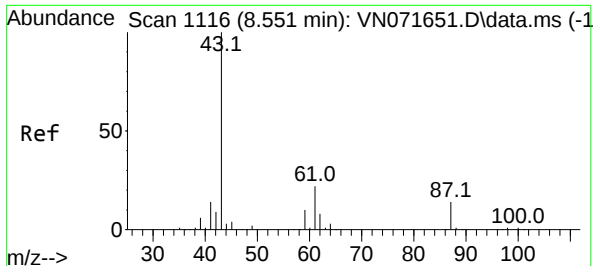
Delta R.T. -0.124 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

Tgt Ion: 117	Resp: 50365
Ion Ratio	Lower Upper
117	100
119	4.1 75.8 113.8#
121	0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.414 ug/l

RT: 8.557 min Scan# 1116

Delta R.T. 0.006 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

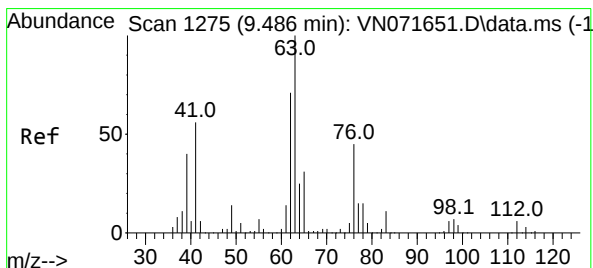
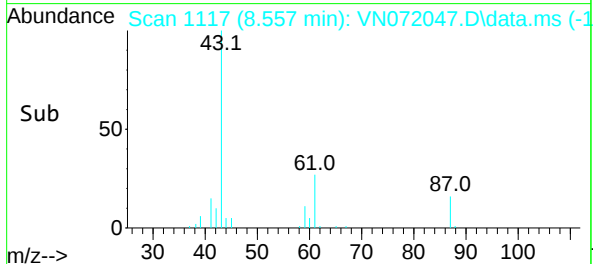
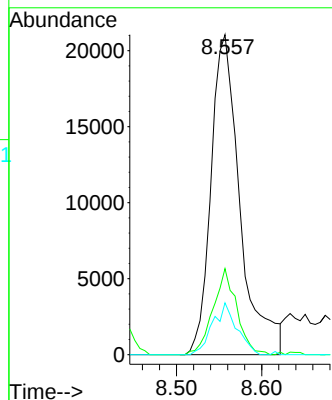
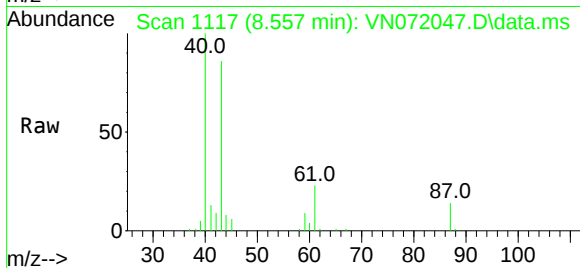
Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-3-GR

Tgt Ion: 43	Resp: 49939
Ion Ratio	Lower Upper
43 100	
61 22.0	21.9 32.9
87 13.5	12.0 18.0



#45

1,2-Dichloropropane

Concen: 0.662 ug/l

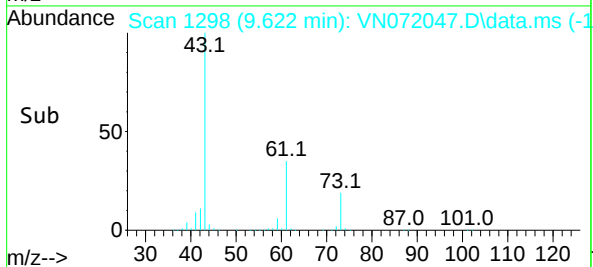
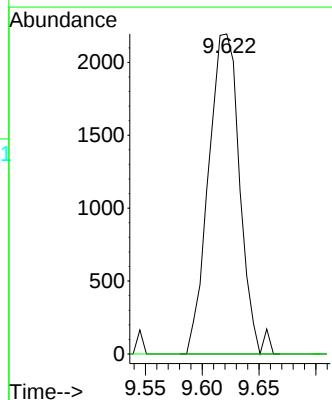
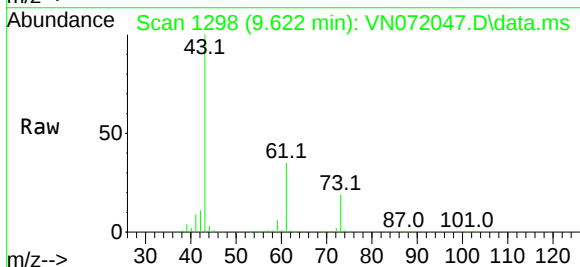
RT: 9.622 min Scan# 1298

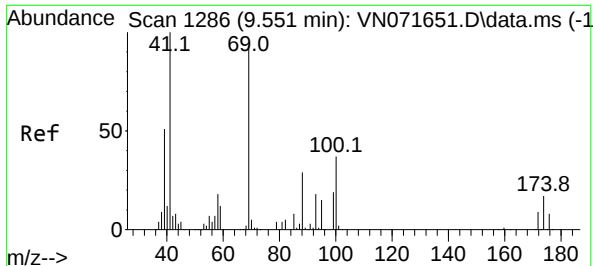
Delta R.T. 0.136 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

Tgt Ion: 63	Resp: 4195
Ion Ratio	Lower Upper
63 100	
65 0.0	24.9 37.3

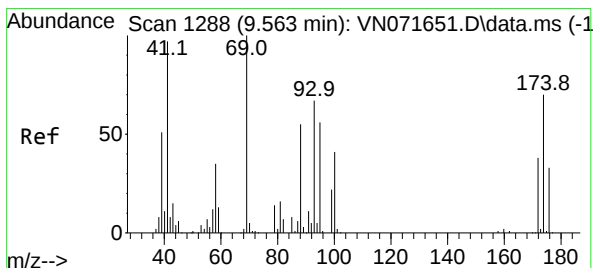
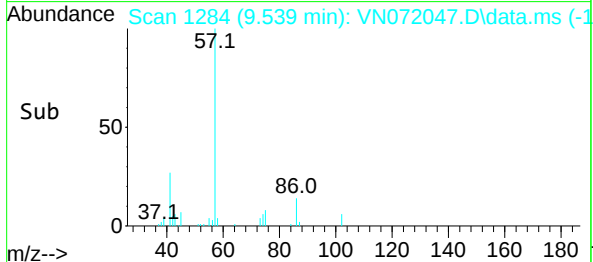
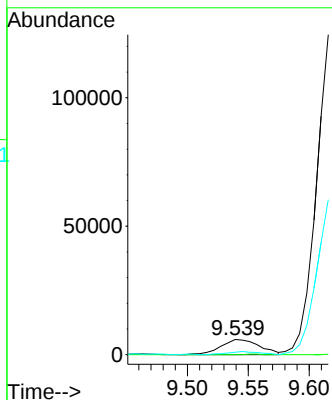
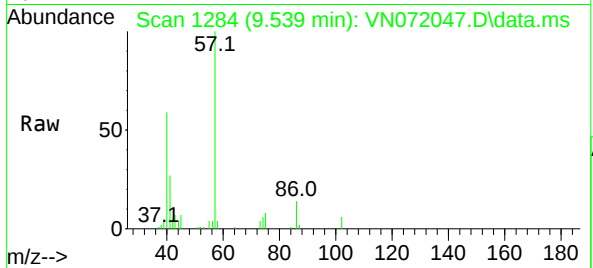




#48
Methyl methacrylate
Concen: 2.153 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

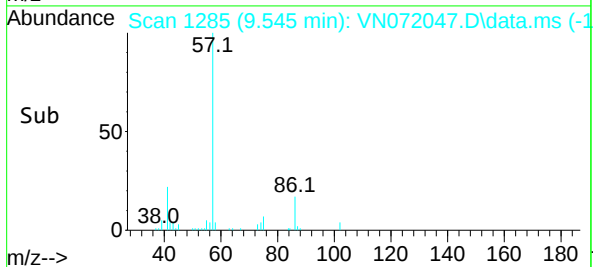
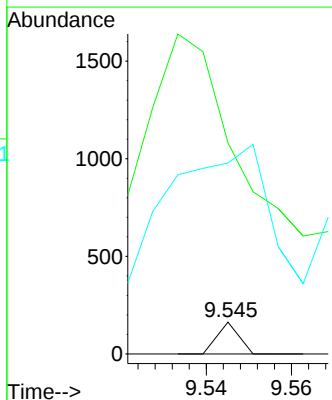
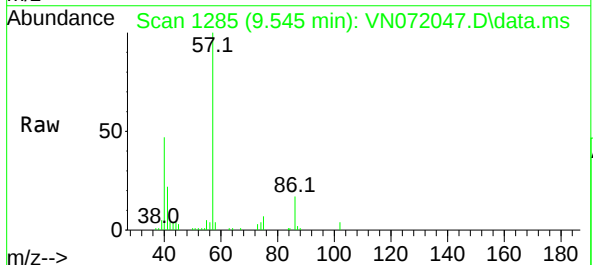
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

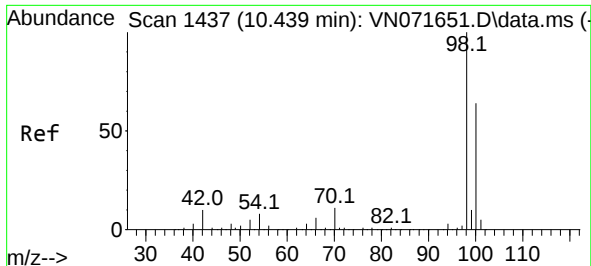
Tgt Ion: 41 Resp: 13068
Ion Ratio Lower Upper
41 100
69 1.5 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.545 min Scan# 1285
Delta R.T. -0.018 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 4100.0 54.2 81.4#

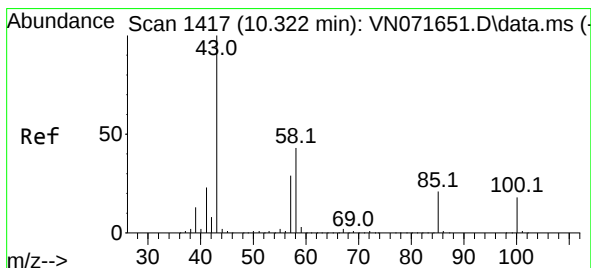
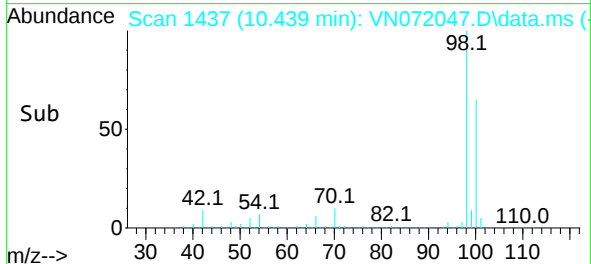
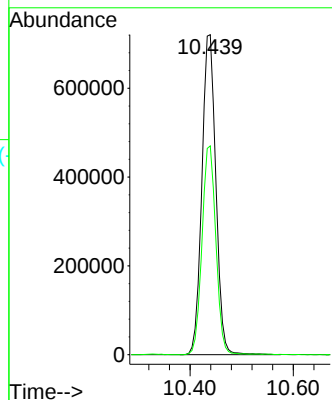
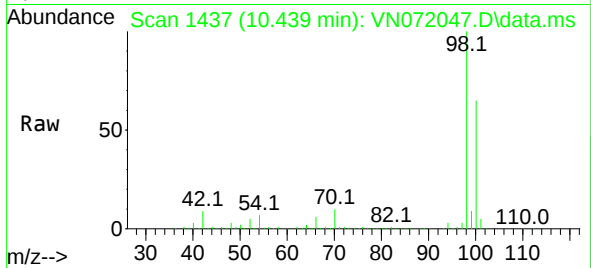




#50
Toluene-d8
Concen: 57.419 ug/l
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

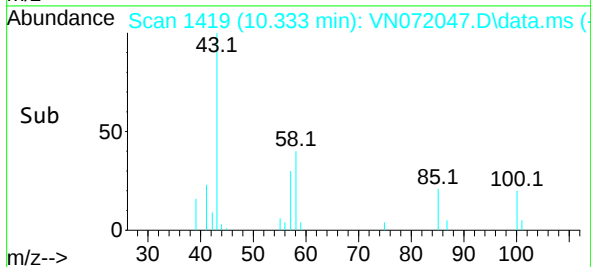
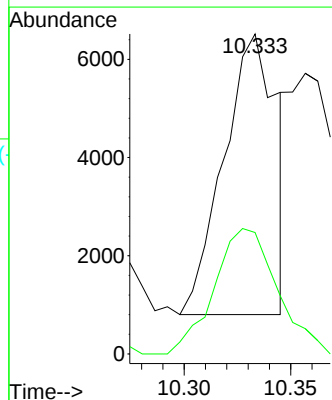
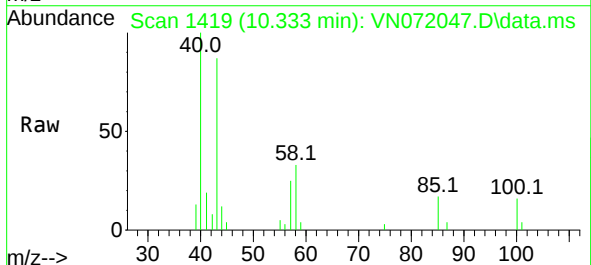
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

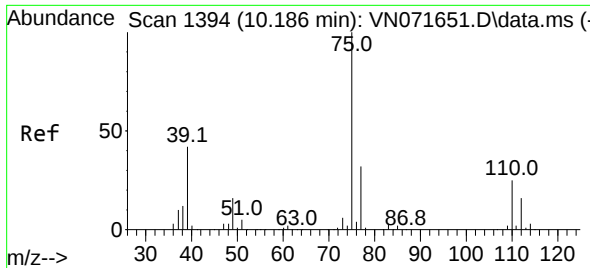
Tgt Ion: 98 Resp: 1351377
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.181 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion: 43 Resp: 9931
Ion Ratio Lower Upper
43 100
58 52.9 34.1 51.1#

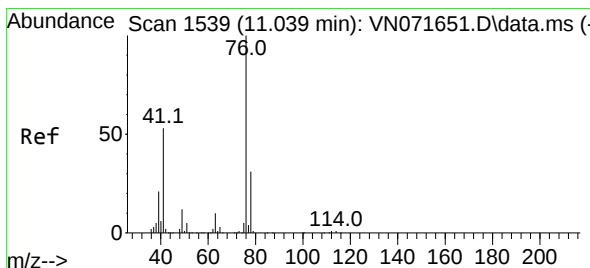
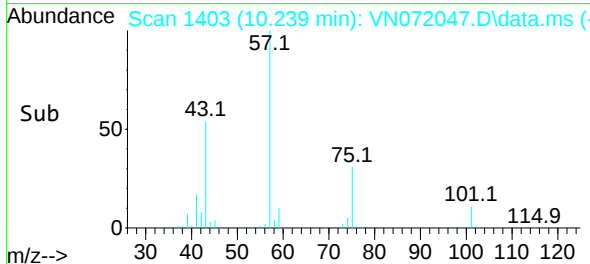
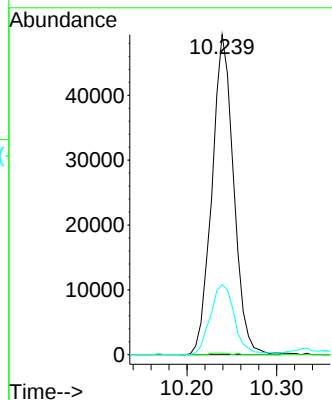
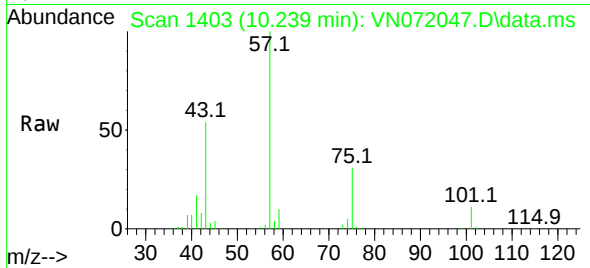




#54
 cis-1,3-Dichloropropene
 Concen: 8.452 ug/l
 RT: 10.239 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN072047.D
 Acq: 19 Apr 2022 14:13

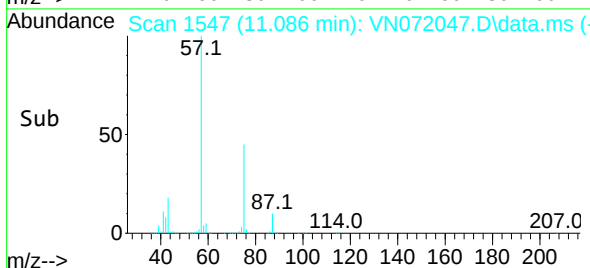
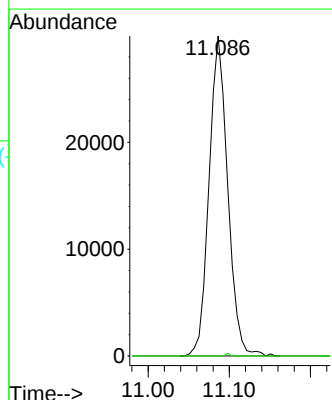
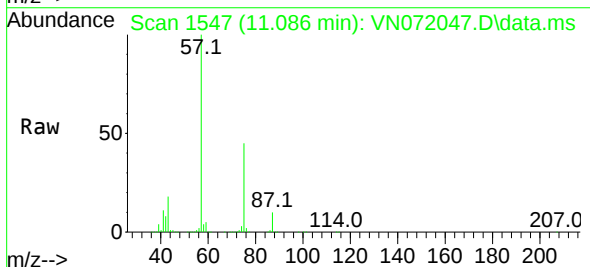
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-15-1-3-GR

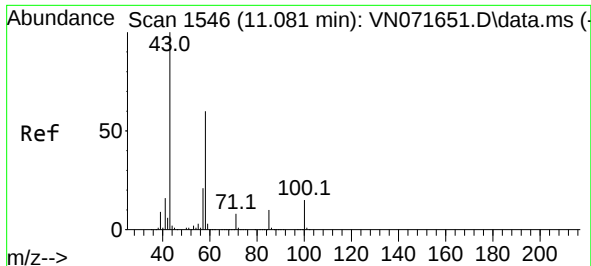
Tgt Ion: 75 Resp: 82937
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 21.9 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.326 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072047.D
 Acq: 19 Apr 2022 14:13

Tgt Ion: 76 Resp: 47756
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

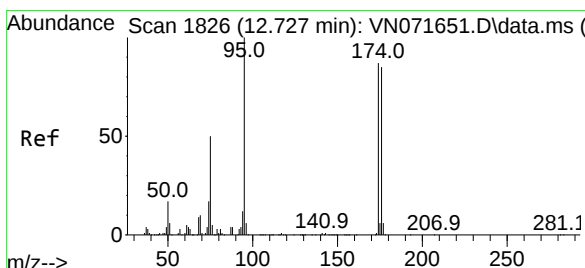
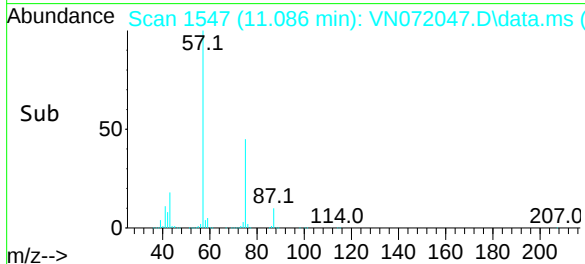
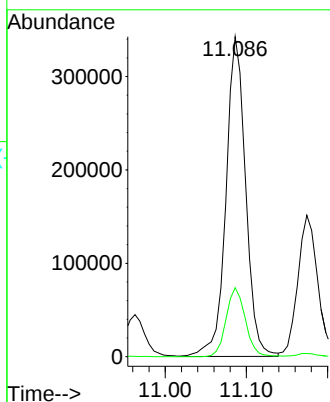
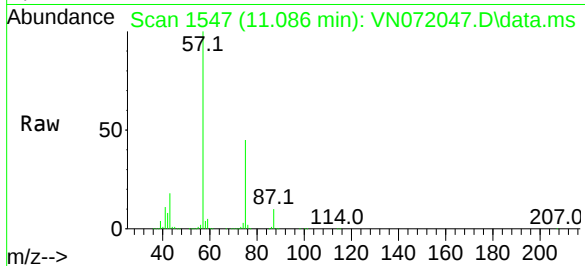




#59
2-Hexanone
Concen: 97.404 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

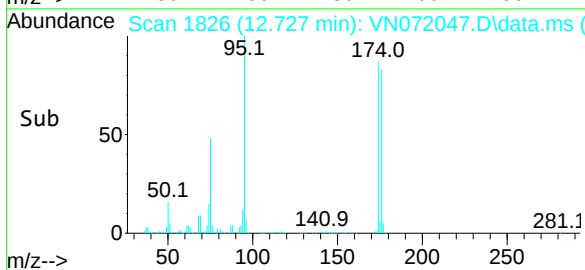
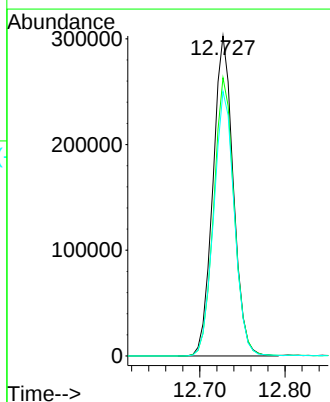
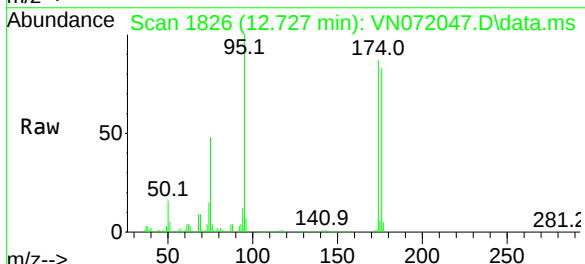
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

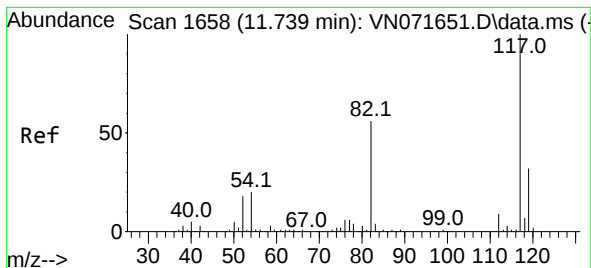
Tgt Ion: 43 Resp: 576701
Ion Ratio Lower Upper
43 100
58 21.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 65.904 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion: 95 Resp: 501639
Ion Ratio Lower Upper
95 100
174 87.0 0.0 167.6
176 83.6 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072047.D

Acq: 19 Apr 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-3-GR

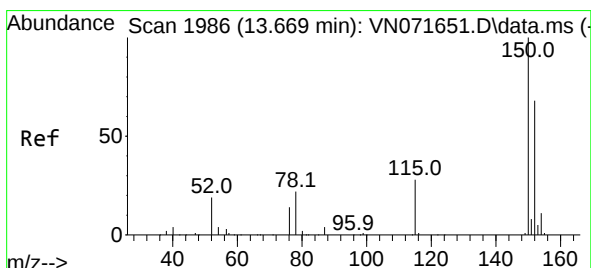
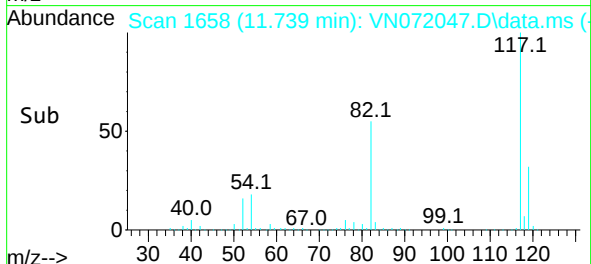
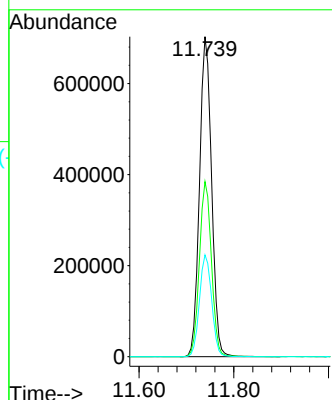
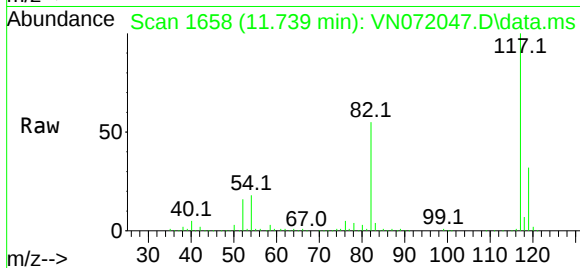
Tgt Ion:117 Resp: 1241220

Ion Ratio Lower Upper

117 100

82 54.7 44.2 66.2

119 31.8 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: VN072047.D

Acq: 19 Apr 2022 14:13

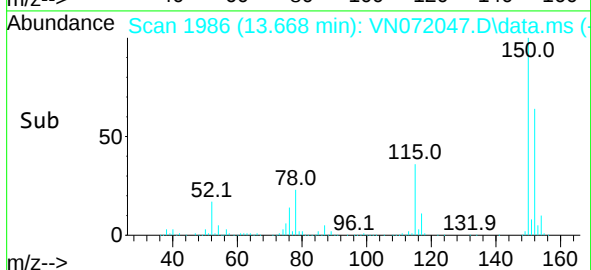
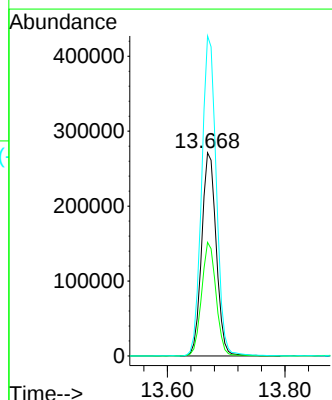
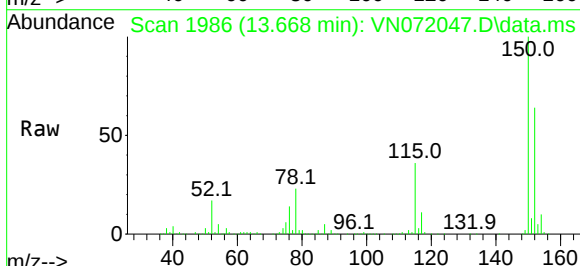
Tgt Ion:152 Resp: 465268

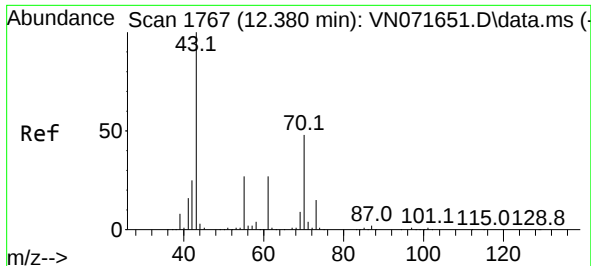
Ion Ratio Lower Upper

152 100

115 55.9 28.9 86.7

150 158.4 0.0 356.2

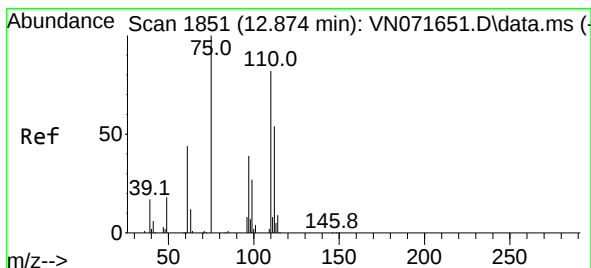
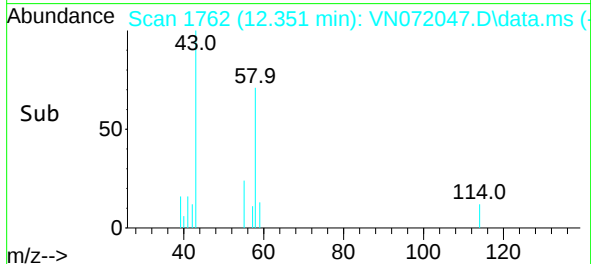
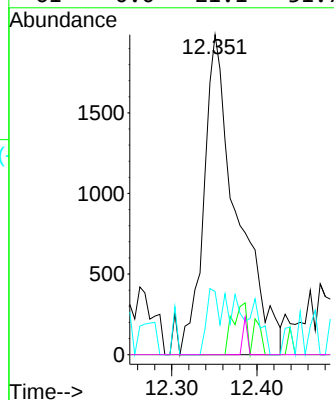
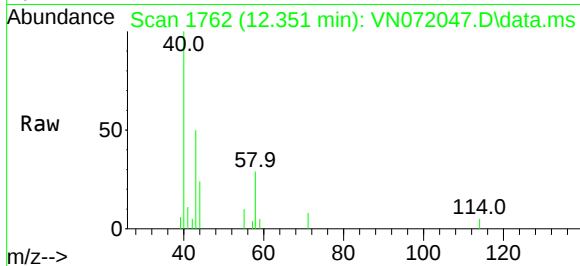




#74
N-amy1 acetate
Concen: 0.479 ug/l
RT: 12.351 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

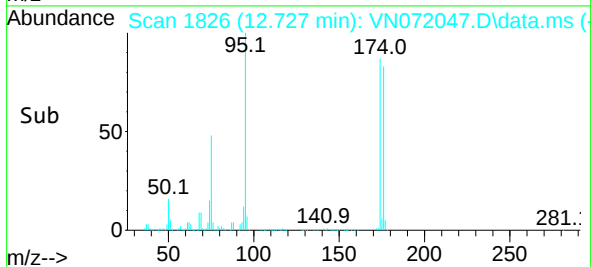
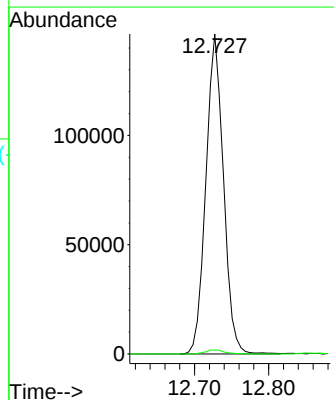
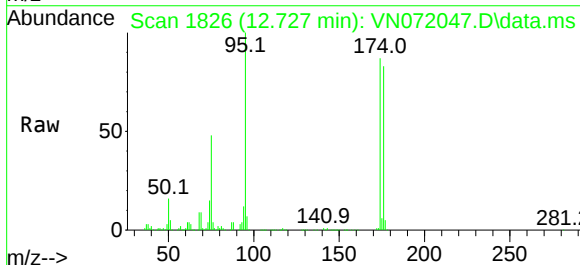
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

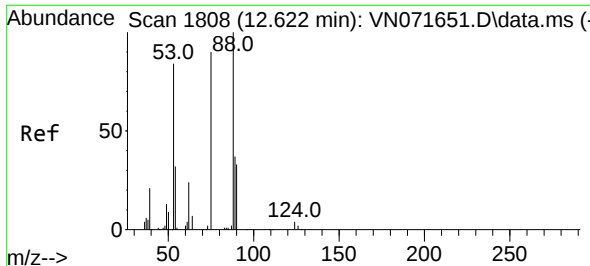
Tgt Ion: 43	Resp: 5380
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 7.5	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.360 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion: 75	Resp: 241003
Ion Ratio	Lower Upper
75 100	
77 1.4	98.5 295.5#

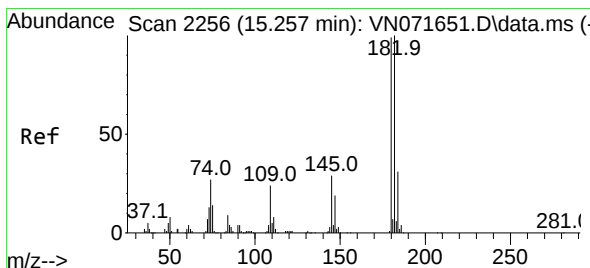
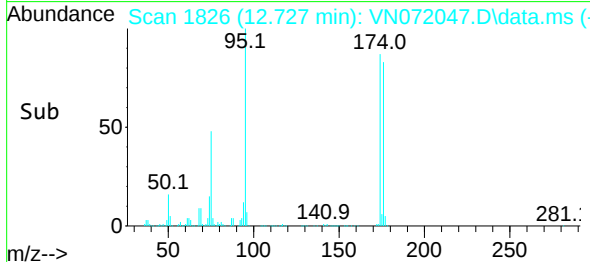
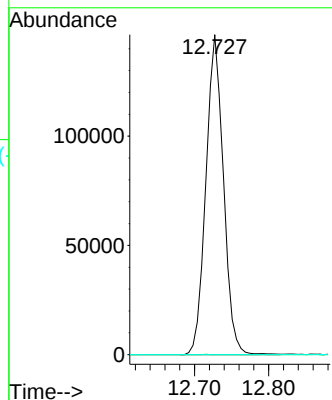
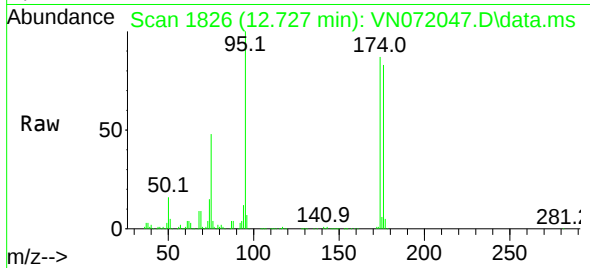




#81
trans-1,4-Dichloro-2-butene
Concen: 69.293 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

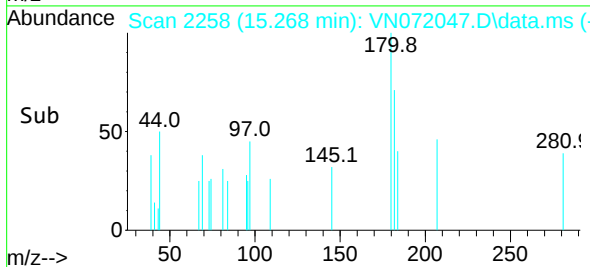
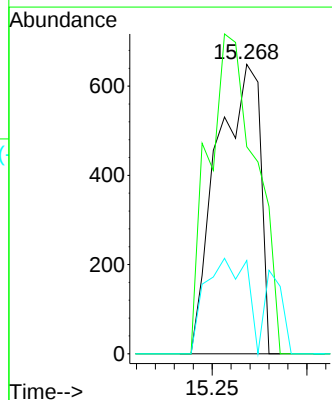
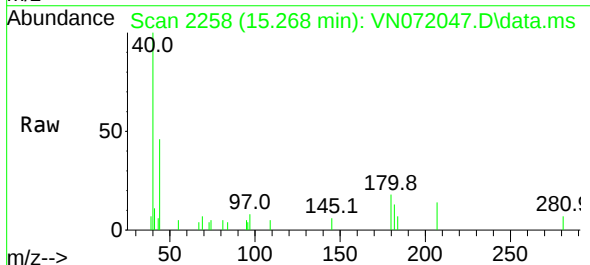
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

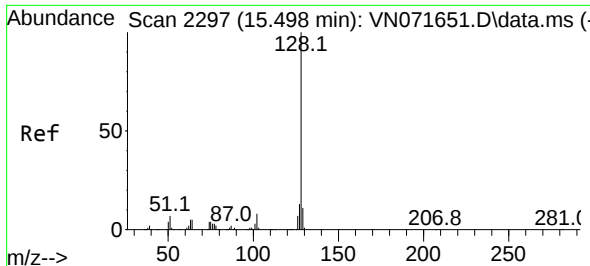
Tgt Ion: 75 Resp: 241003
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.218 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.011 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion:180 Resp: 1025
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 11.6 14.5 43.5#

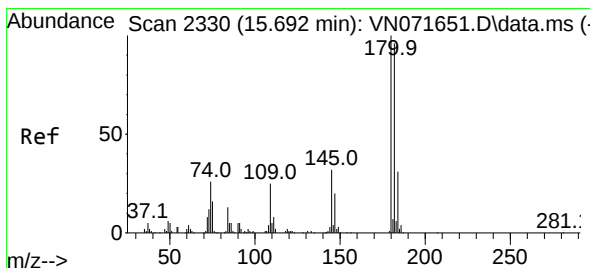
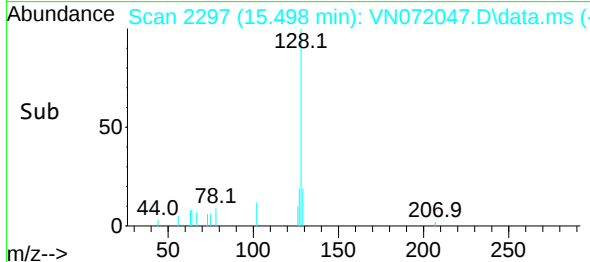
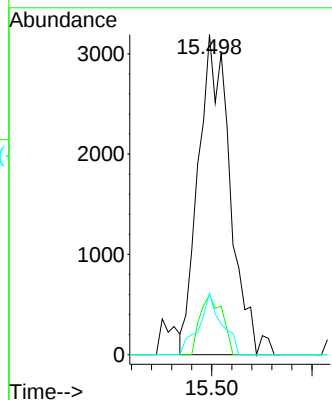
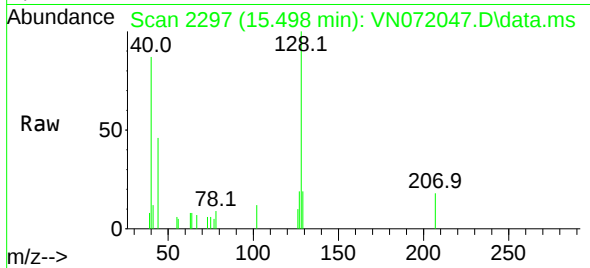




#95
Naphthalene
Concen: 4.109 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

Tgt Ion:128	Resp:	7009
Ion	Ratio	Lower Upper
128	100	
127	13.1	10.3 15.5
129	13.8	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.620 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072047.D
Acq: 19 Apr 2022 14:13

Tgt Ion:180	Resp:	1549
Ion	Ratio	Lower Upper
180	100	
182	71.9	47.8 143.3
145	0.0	15.5 46.5

