

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041922\
 Data File : VN072061.D
 Acq On : 19 Apr 2022 19:51
 Operator : JC\MD
 Sample : N2452-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Apr 20 01:29:17 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)

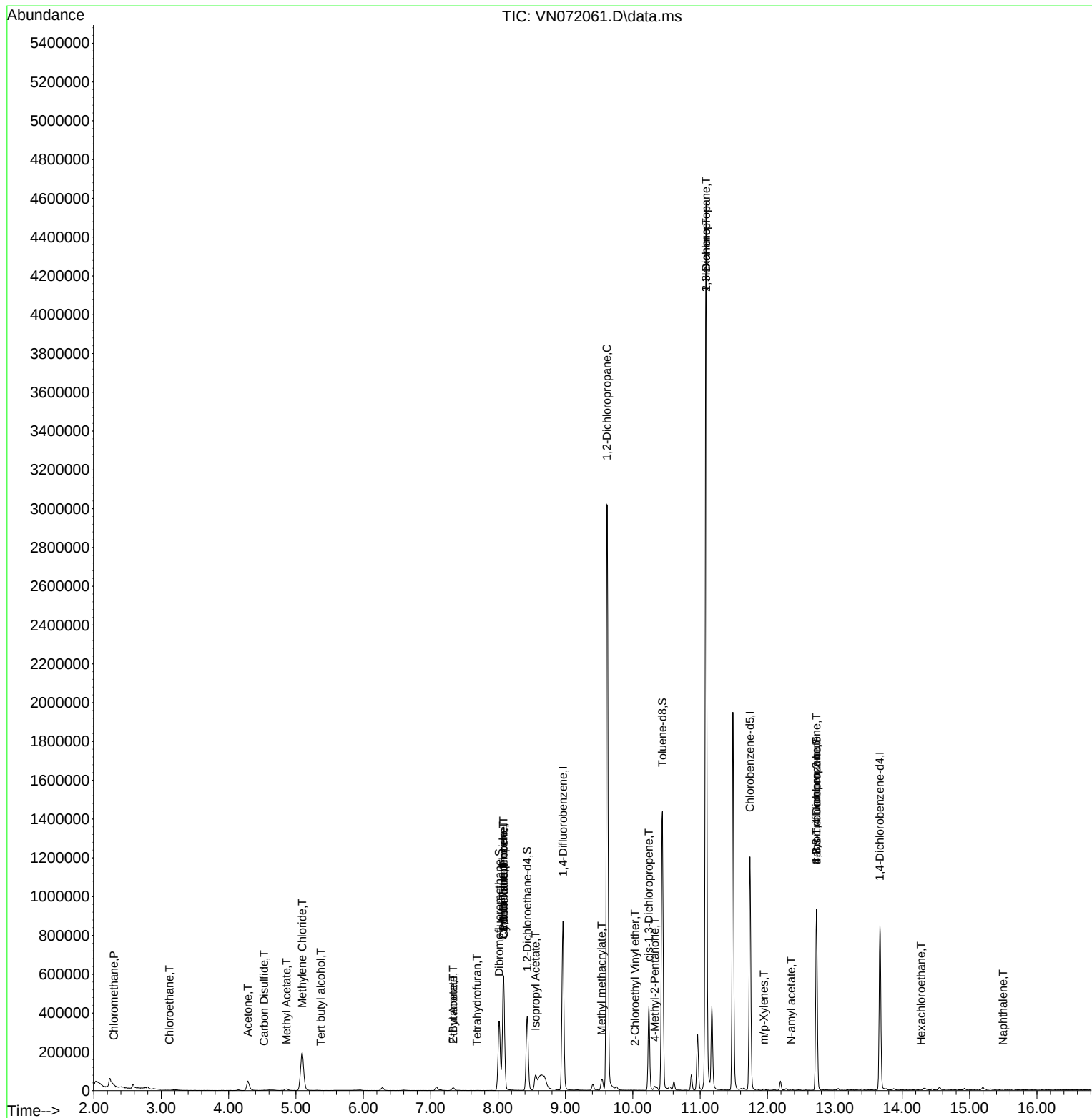
Internal Standards						
1) Pentafluorobenzene	8.081	168	495254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	796592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	744706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	259758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	316006	55.892	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.780%			
35) Dibromofluoromethane	8.016	113	265694	56.682	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.360%			
50) Toluene-d8	10.439	98	1071584	55.883	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.760%			
62) 4-Bromofluorobenzene	12.727	95	326239	52.605	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.220%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2256	0.452	ug/l	94
6) Chloroethane	3.122	64	4296	1.090	ug/l #	69
11) Tert butyl alcohol	5.369	59	719	0.784	ug/l #	72
16) Acetone	4.287	43	84915	35.143	ug/l	100
17) Carbon Disulfide	4.528	76	2744	0.293	ug/l #	75
18) Methyl Acetate	4.857	43	19420	1.786	ug/l #	89
20) Methylene Chloride	5.093	84	175918	34.542	ug/l	97
25) 2-Butanone	7.334	43	23522	6.753	ug/l	98
29) Tetrahydrofuran	7.686	42	698	0.309	ug/l #	48
31) Cyclohexane	8.086	56	8519	1.108	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	32978	5.038	ug/l #	49
37) Ethyl Acetate	7.334	43	23522	3.283	ug/l #	67
38) Carbon Tetrachloride	8.075	117	43709	6.813	ug/l #	17
43) Isopropyl Acetate	8.557	43	97626	8.192	ug/l #	78
45) 1,2-Dichloropropane	9.616	63	4521	0.875	ug/l #	44
48) Methyl methacrylate	9.539	41	15641	3.164	ug/l #	10
49) 1,4-Dioxane	9.616	88	359	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	13465	1.965	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	87037	10.886	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	53380	5.935	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.033	63	560	17.188	ug/l #	44
59) 2-Hexanone	11.086	43	630940	130.794	ug/l #	48
68) m/p-Xylenes	11.945	106	2317	0.239	ug/l	98
74) N-amyl acetate	12.351	43	3924	0.626	ug/l #	43
76) 1,2,3-Trichloropropane	12.727	75	157079	26.104	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	157079	80.895	ug/l #	10
90) Hexachloroethane	14.280	117	705	0.235	ug/l #	9
95) Naphthalene	15.498	128	2877	4.028	ug/l #	78

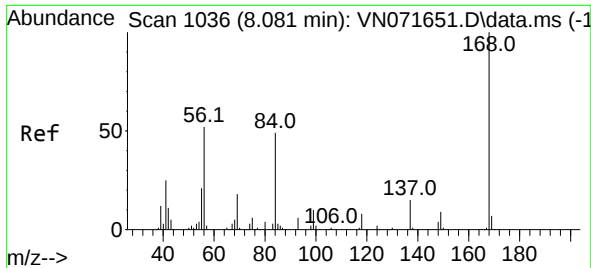
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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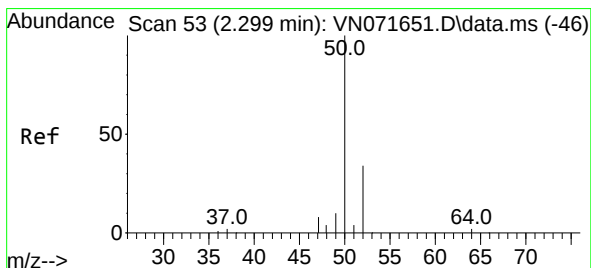
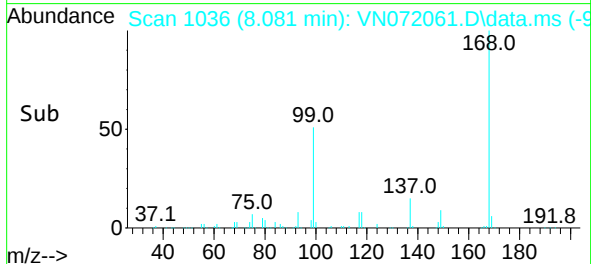
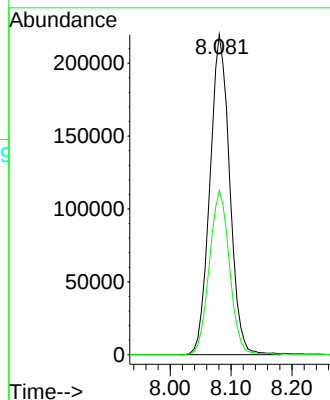
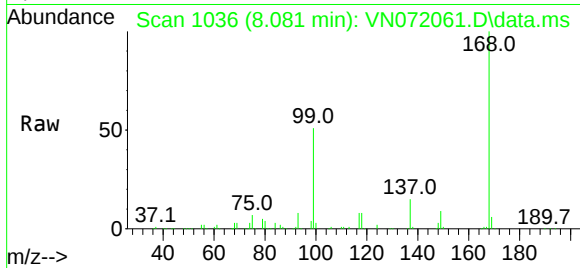




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

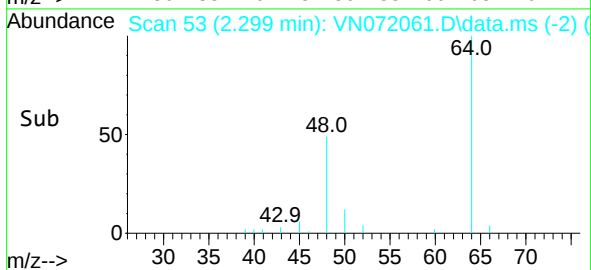
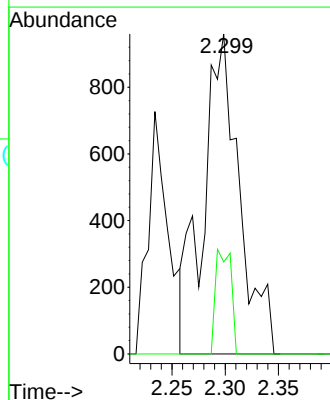
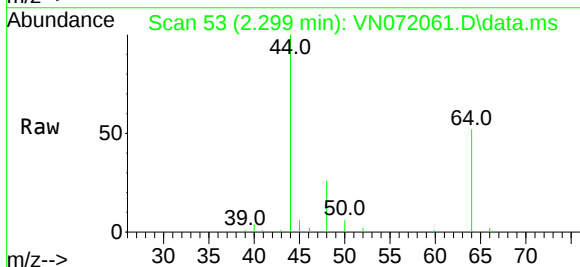
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

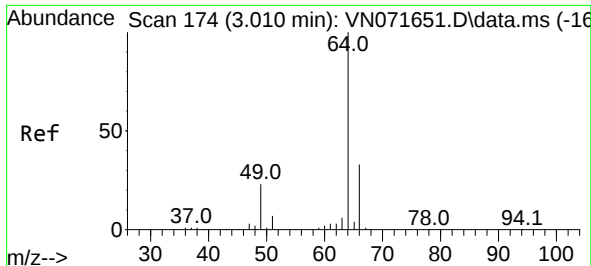
Tgt Ion:168 Resp: 495254
Ion Ratio Lower Upper
168 100
99 51.3 42.3 63.5



#3
Chloromethane
Concen: 0.452 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 50 Resp: 2256
Ion Ratio Lower Upper
50 100
52 28.8 25.7 38.5

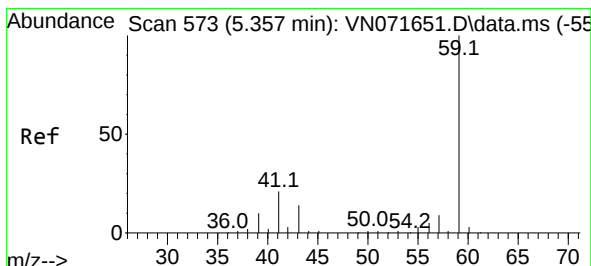
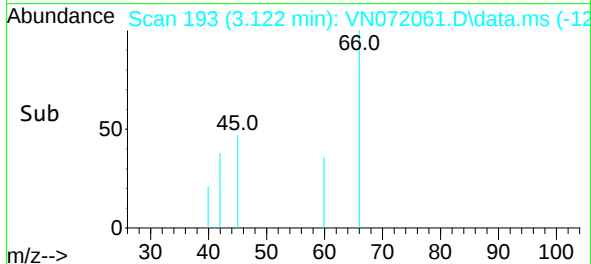
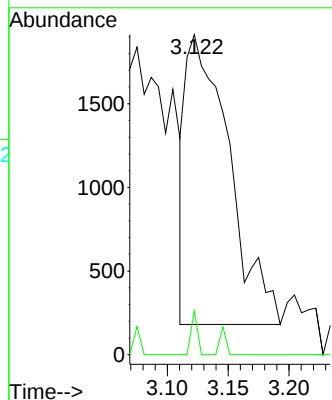
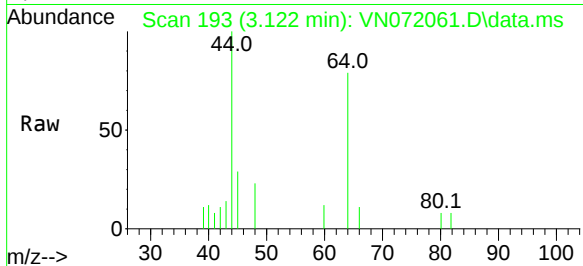




#6
Chloroethane
Concen: 1.090 ug/l
RT: 3.122 min Scan# 193
Delta R.T. 0.112 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

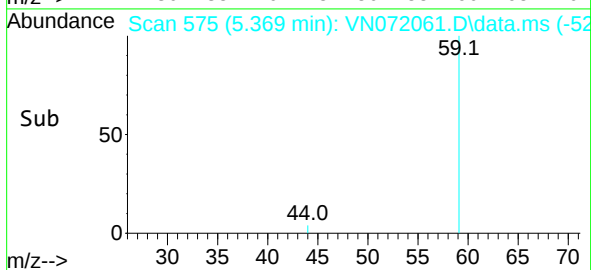
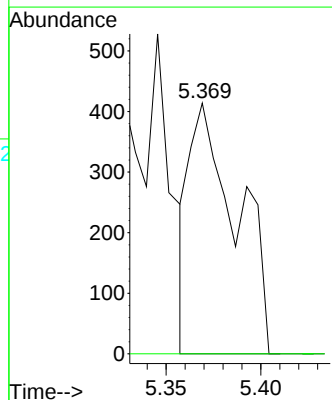
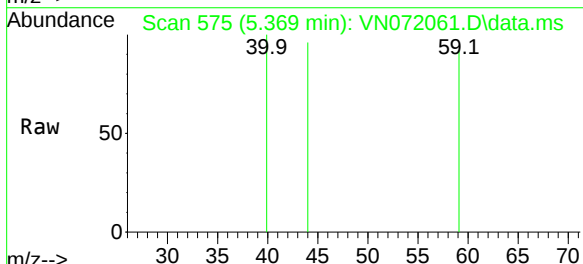
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

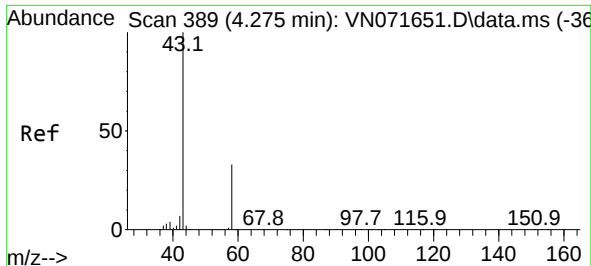
Tgt Ion: 64 Resp: 4296
Ion Ratio Lower Upper
64 100
66 15.2 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.784 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 59 Resp: 719
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

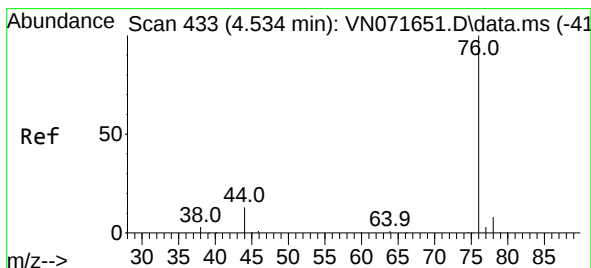
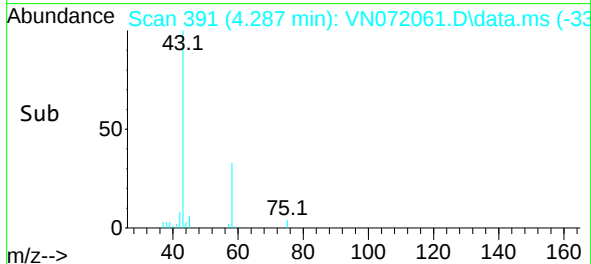
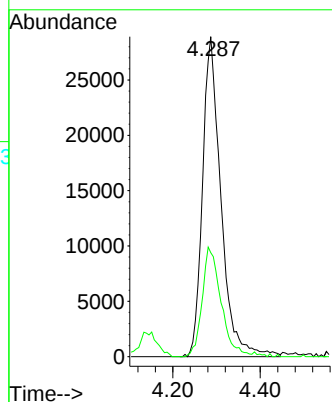
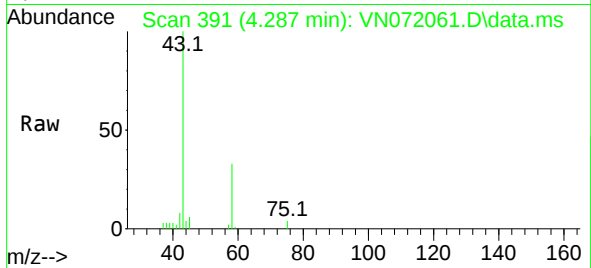




#16
Acetone
Concen: 35.143 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

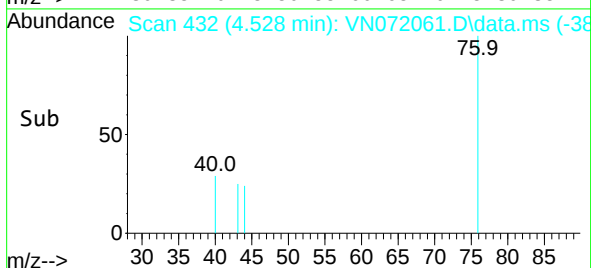
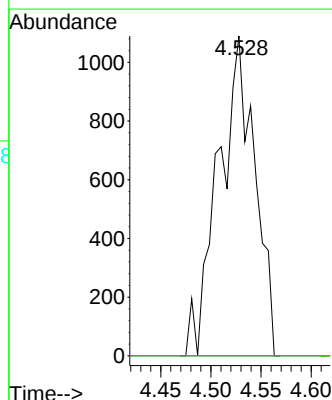
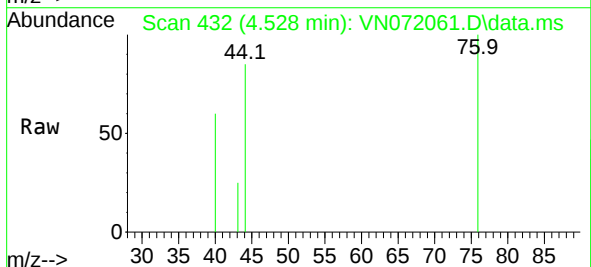
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

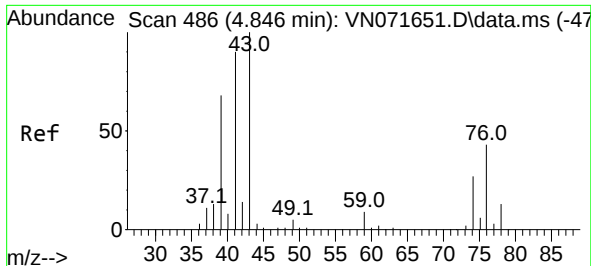
Tgt Ion: 43 Resp: 84915
Ion Ratio Lower Upper
43 100
58 32.5 26.0 39.0



#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 4.528 min Scan# 432
Delta R.T. -0.006 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 76 Resp: 2744
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

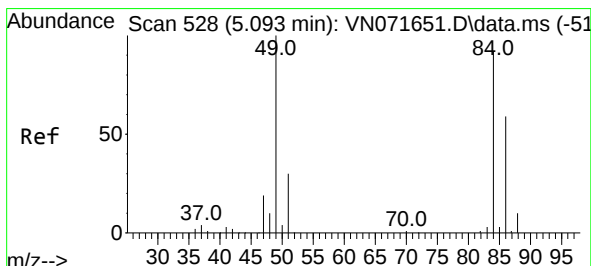
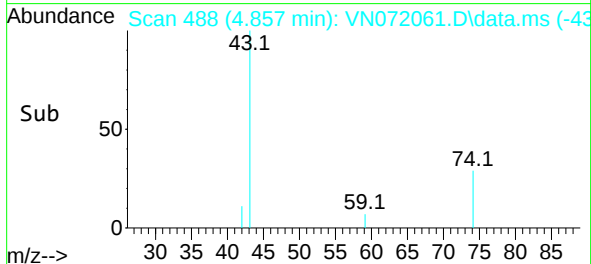
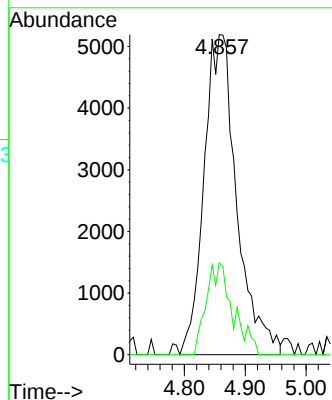
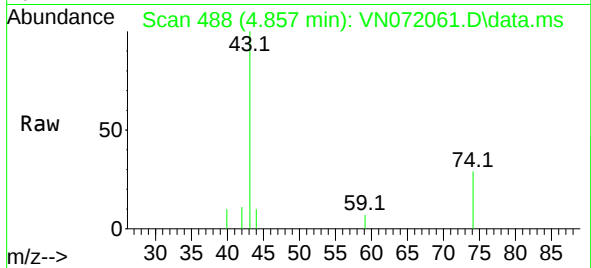




#18
Methyl Acetate
Concen: 1.786 ug/l
RT: 4.857 min Scan# 486
Delta R.T. 0.011 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

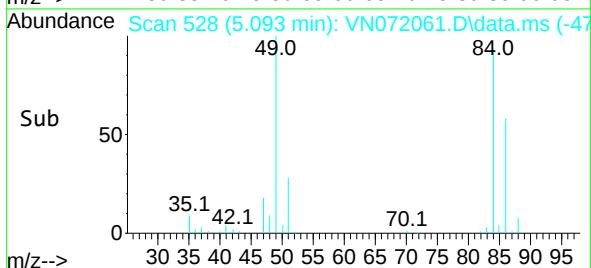
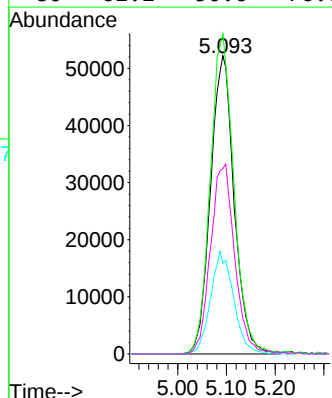
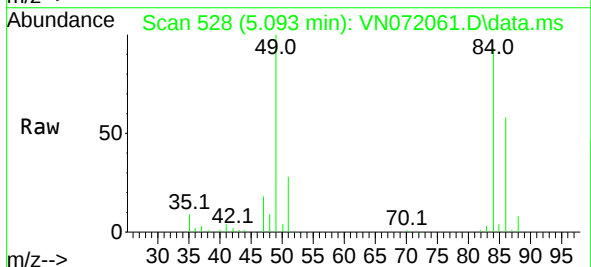
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ClientSampleId :
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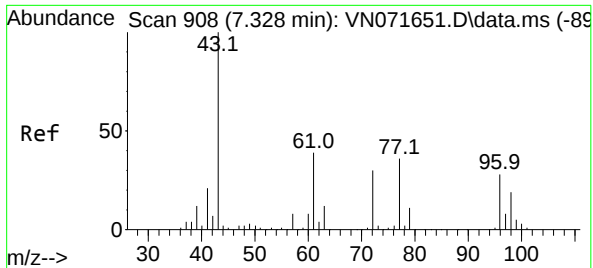
Tgt Ion: 43 Resp: 19420
Ion Ratio Lower Upper
43 100
74 21.6 21.6 32.4#



#20
Methylene Chloride
Concen: 34.542 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 84 Resp: 175918
Ion Ratio Lower Upper
84 100
49 107.3 88.3 132.5
51 30.5 28.2 42.2
86 62.2 50.6 76.0

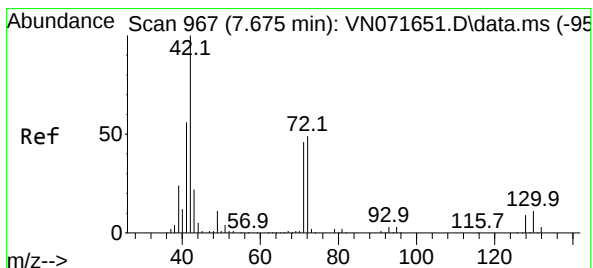
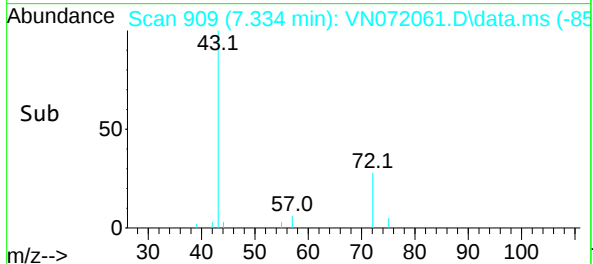
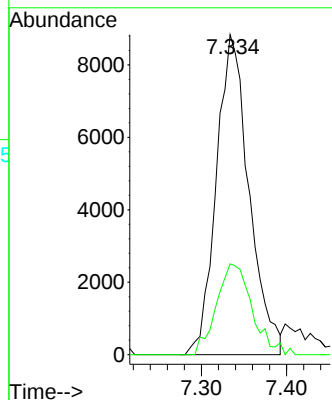
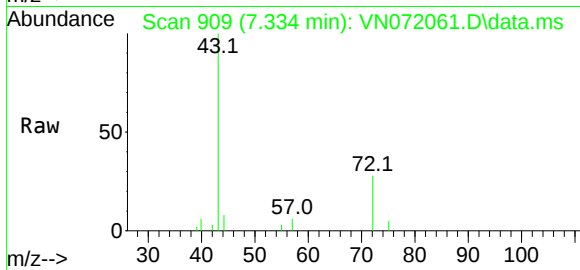




#25
2-Butanone
Concen: 6.753 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

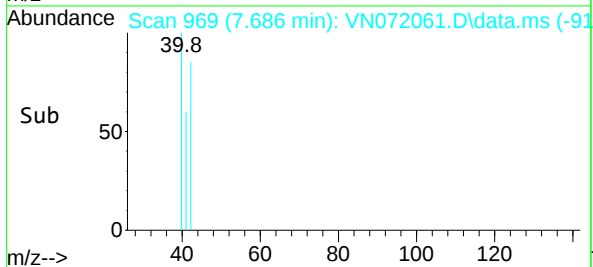
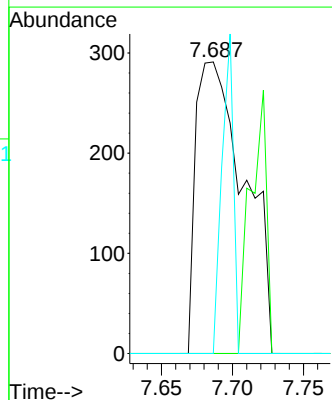
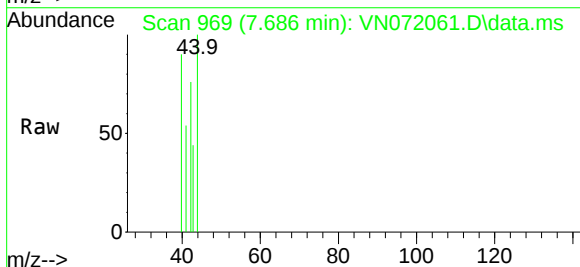
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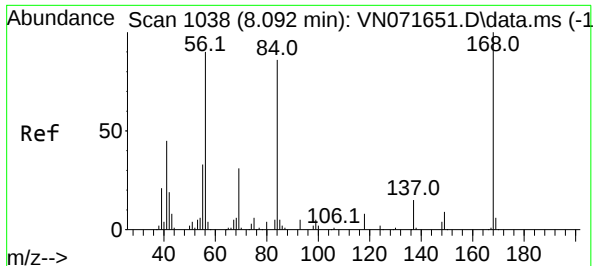
Tgt Ion: 43 Resp: 23522
Ion Ratio Lower Upper
43 100
72 28.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 7.686 min Scan# 969
Delta R.T. 0.011 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 42 Resp: 698
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 25.5 36.6 55.0#

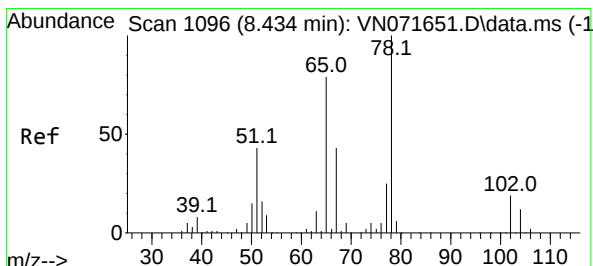
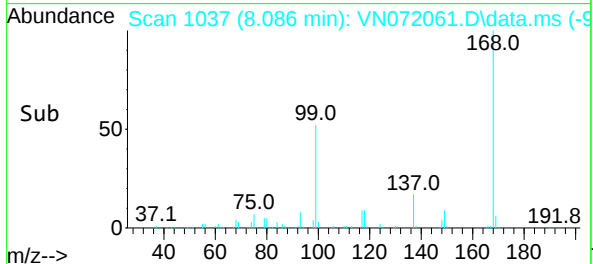
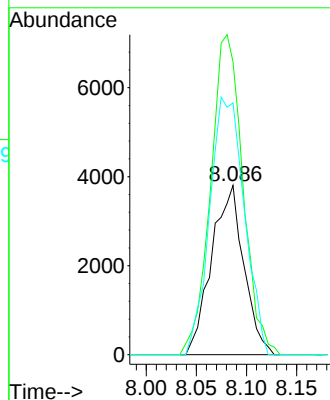
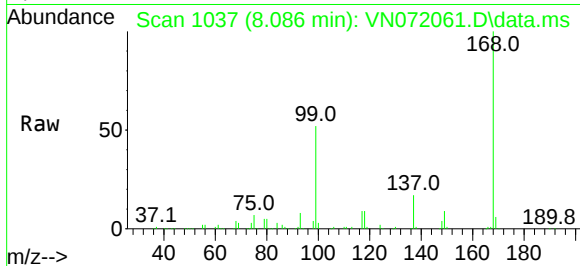




#31
Cyclohexane
Concen: 1.108 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

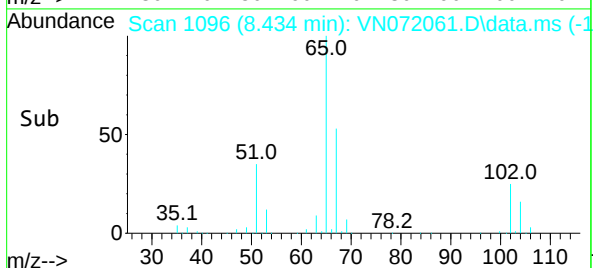
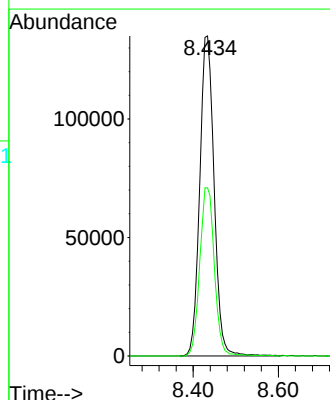
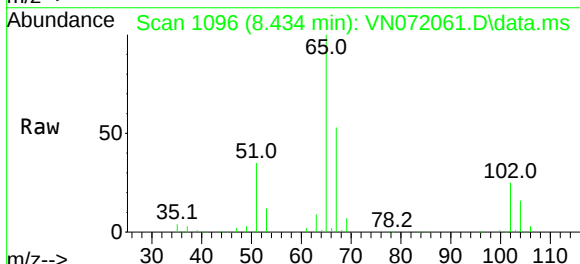
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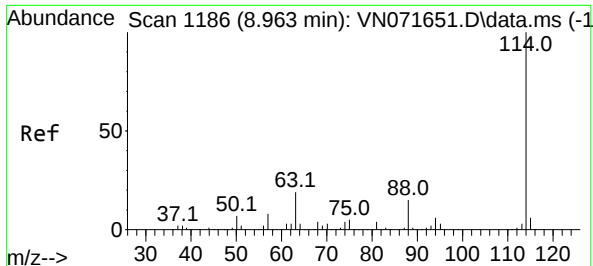
Tgt Ion: 56 Resp: 8519
Ion Ratio Lower Upper
56 100
69 173.1 27.8 41.8#
84 148.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 55.892 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 65 Resp: 316006
Ion Ratio Lower Upper
65 100
67 53.5 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: VN072061.D

Acq: 19 Apr 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-3-GR

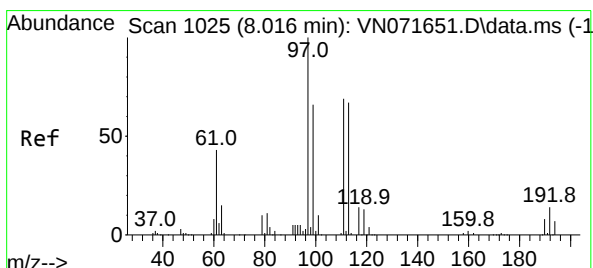
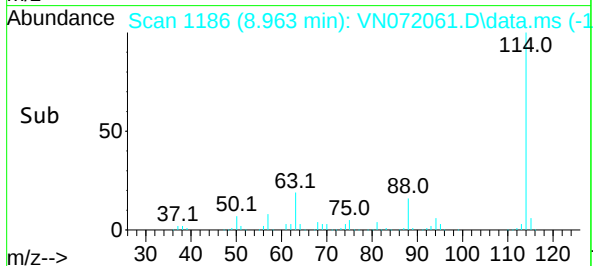
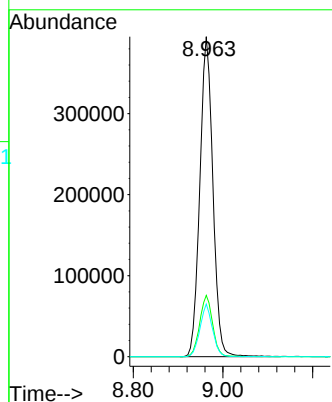
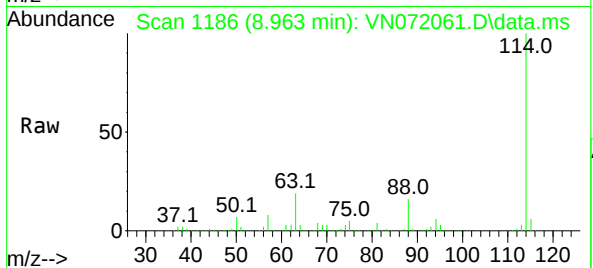
Tgt Ion:114 Resp: 796592

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.682 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072061.D

Acq: 19 Apr 2022 19:51

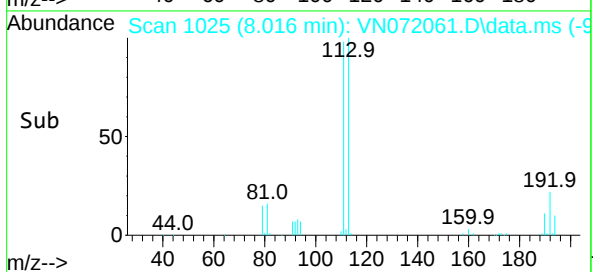
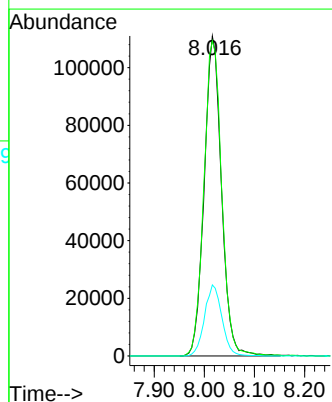
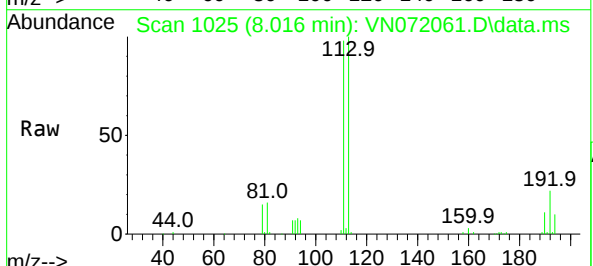
Tgt Ion:113 Resp: 265694

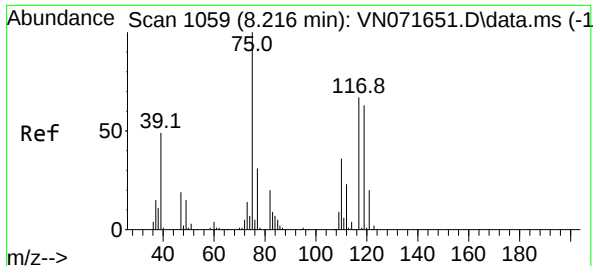
Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 22.4 17.0 25.6

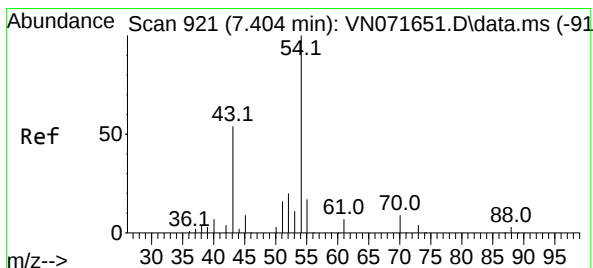
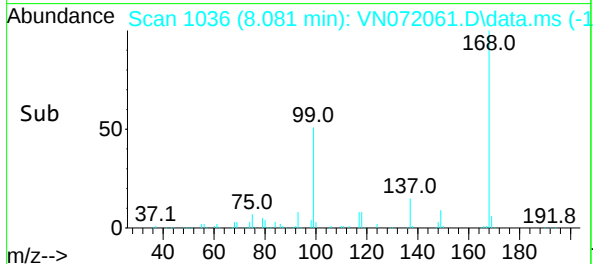
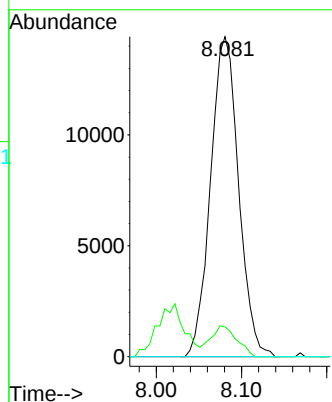
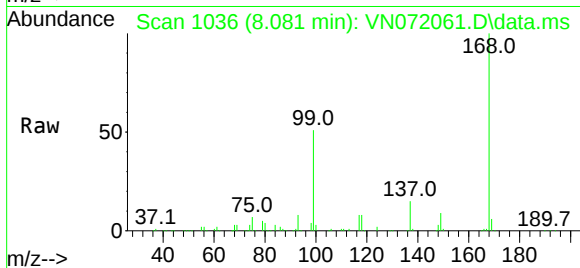




#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

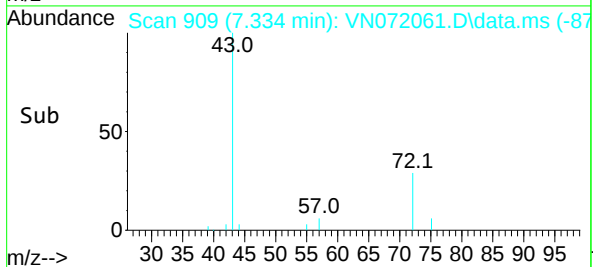
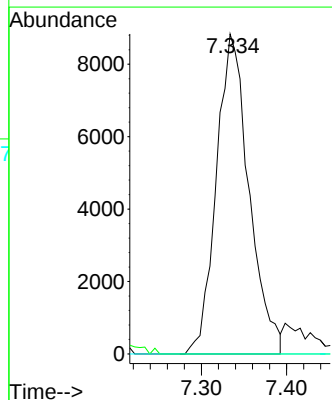
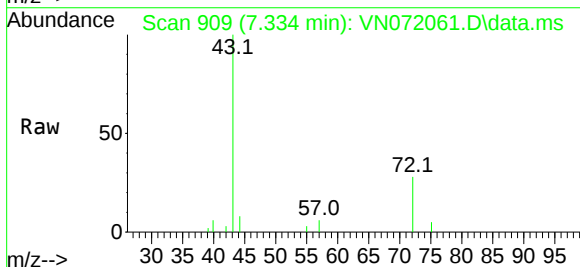
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

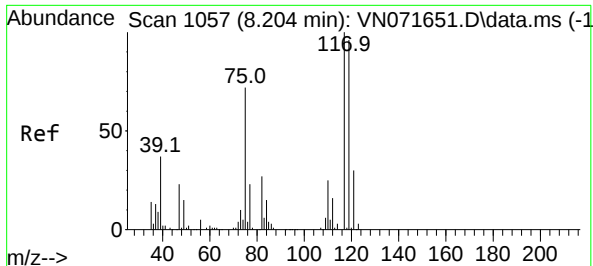
Tgt Ion: 75 Resp: 32978
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 3.283 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.070 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 43 Resp: 23522
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

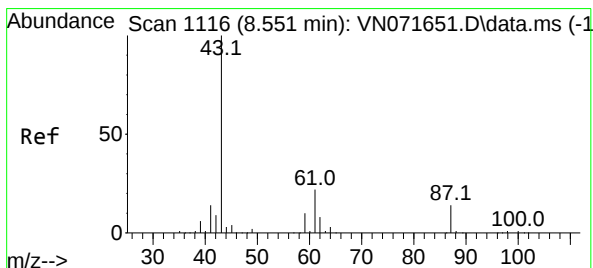
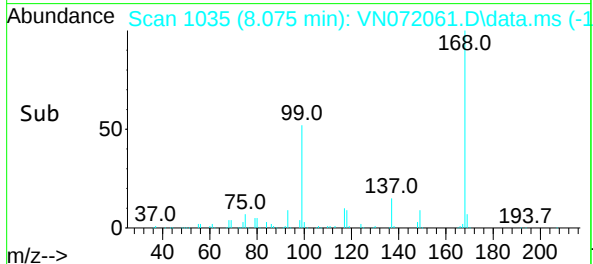
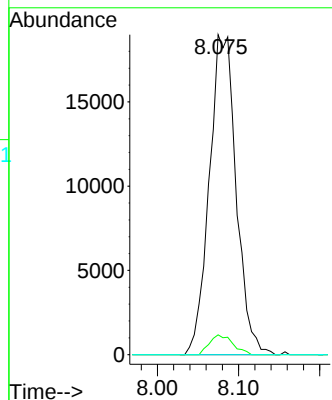
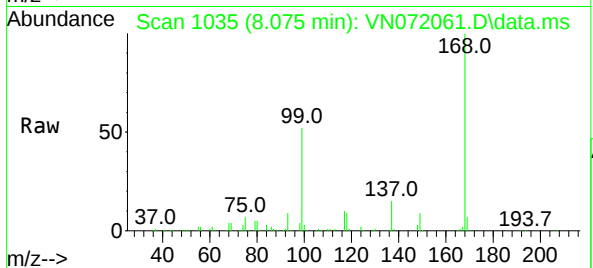




#38
Carbon Tetrachloride
Concen: 6.813 ug/l
RT: 8.075 min Scan# 1117
Delta R.T. -0.129 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

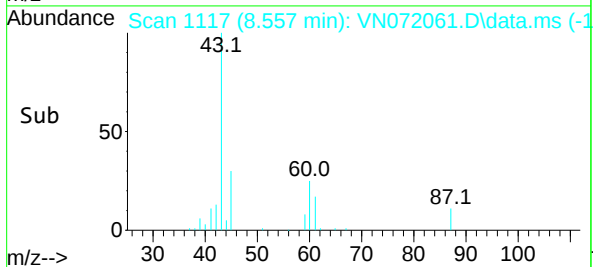
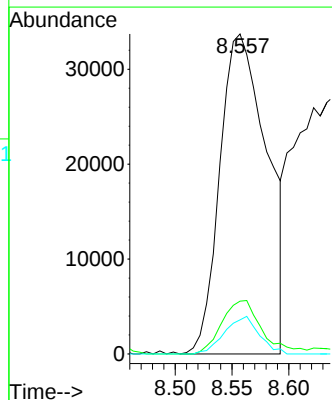
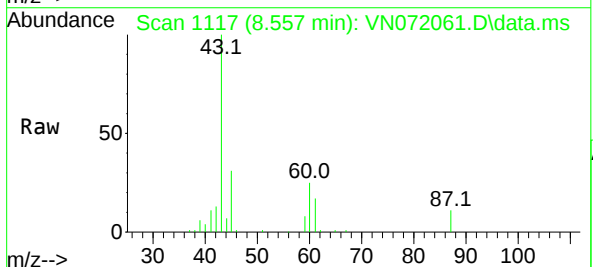
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

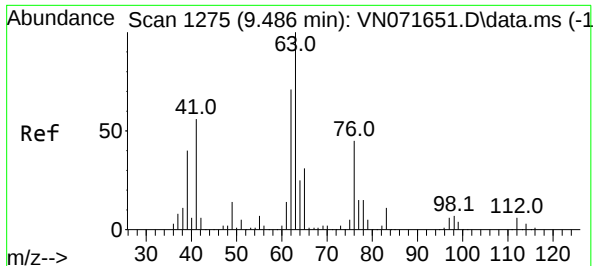
Tgt Ion:117 Resp: 43709
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 8.192 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 43 Resp: 97626
Ion Ratio Lower Upper
43 100
61 14.2 21.9 32.9#
87 8.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.875 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN072061.D

Acq: 19 Apr 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

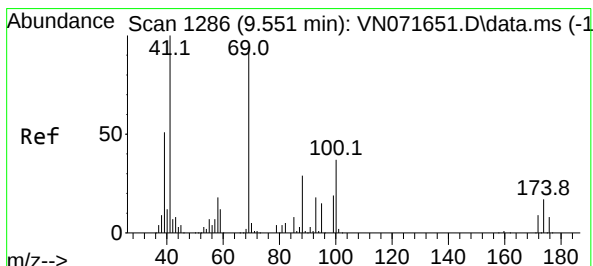
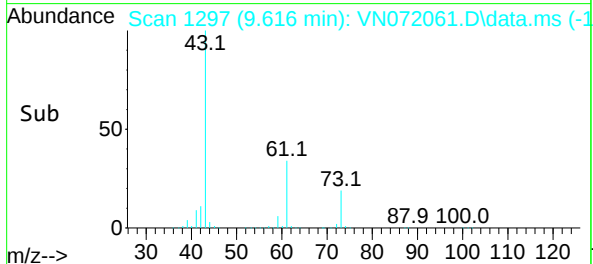
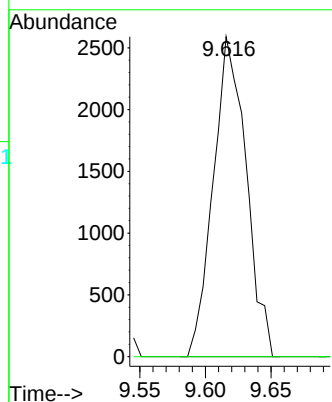
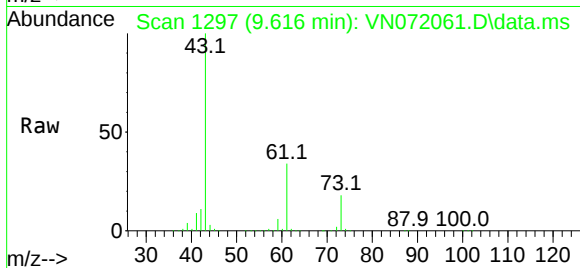
WC-15-1-3-GR

Tgt Ion: 63 Resp: 4521

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 3.164 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072061.D

Acq: 19 Apr 2022 19:51

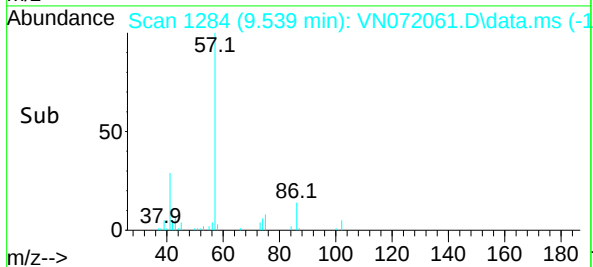
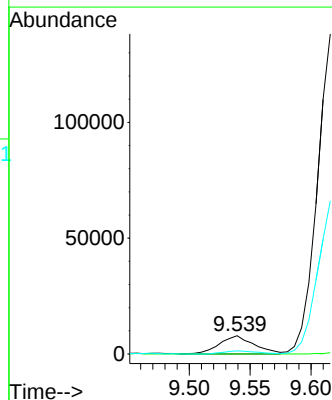
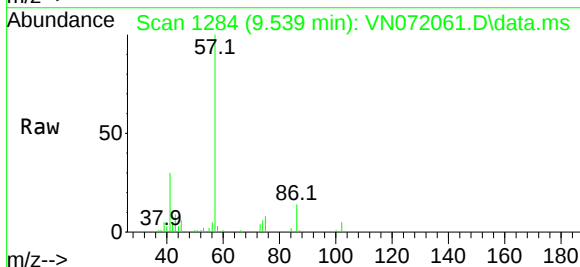
Tgt Ion: 41 Resp: 15641

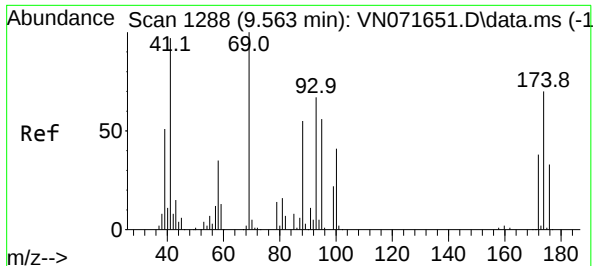
Ion Ratio Lower Upper

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: VN072061.D

Acq: 19 Apr 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-3-GR

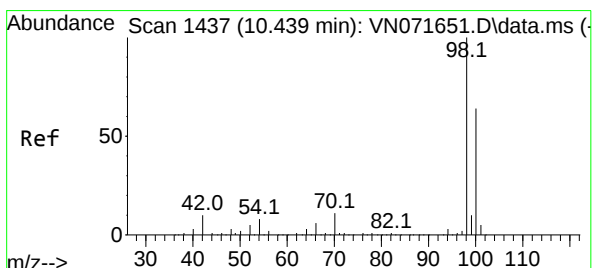
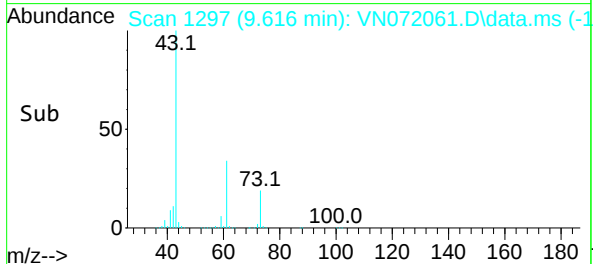
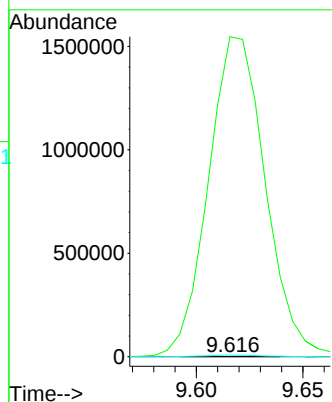
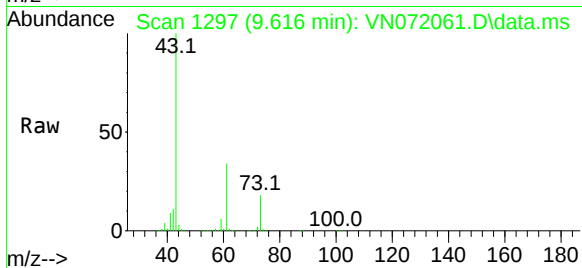
Tgt Ion: 88 Resp: 359

Ion Ratio Lower Upper

88 100

43 813873.5 20.2 30.4#

58 3984.7 54.2 81.4#



#50

Toluene-d8

Concen: 55.883 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072061.D

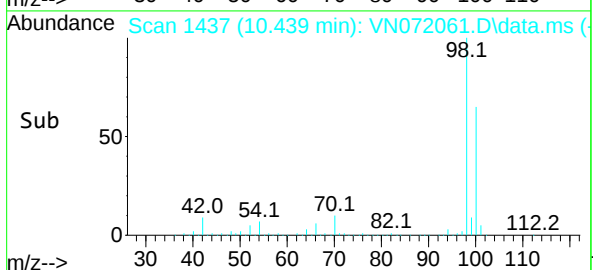
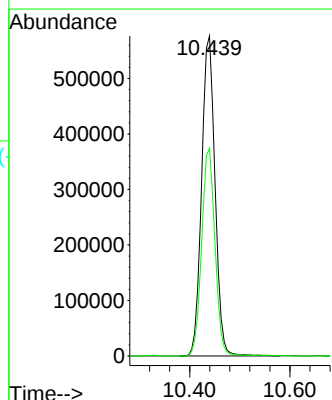
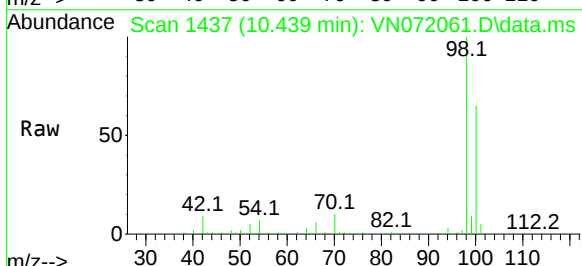
Acq: 19 Apr 2022 19:51

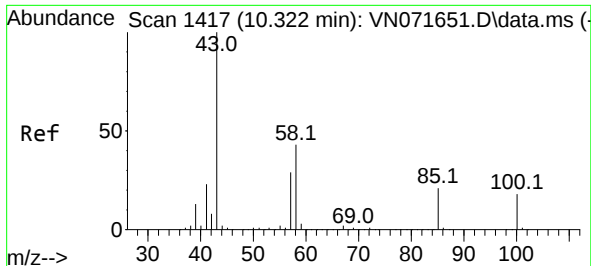
Tgt Ion: 98 Resp: 1071584

Ion Ratio Lower Upper

98 100

100 64.4 52.6 78.8

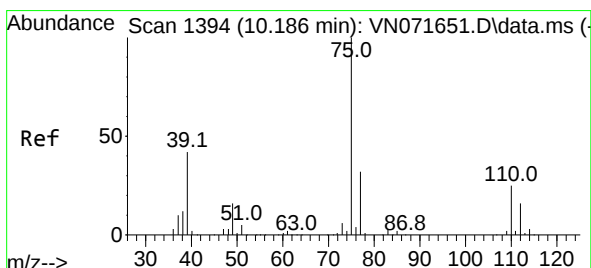
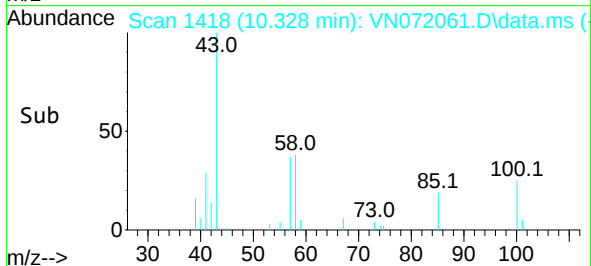
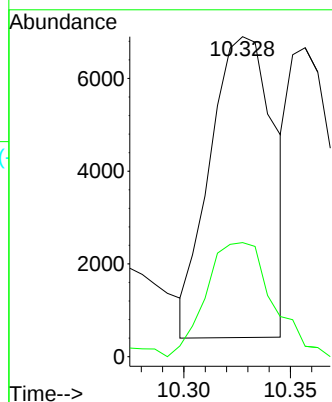
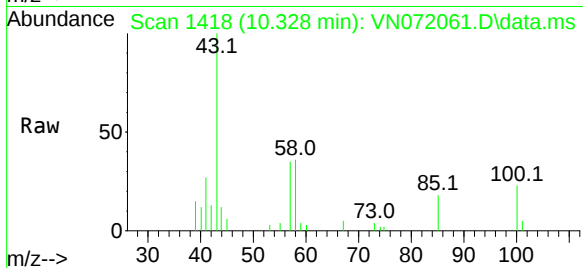




#51
4-Methyl-2-Pentanone
Concen: 1.965 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

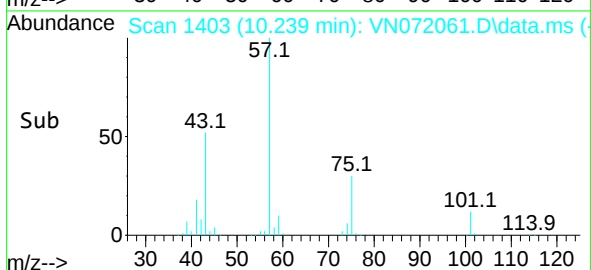
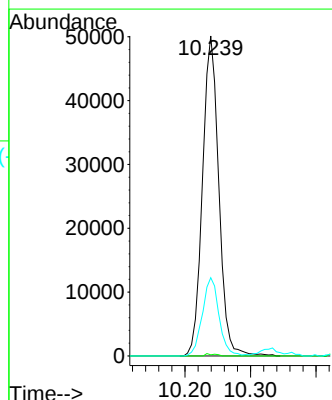
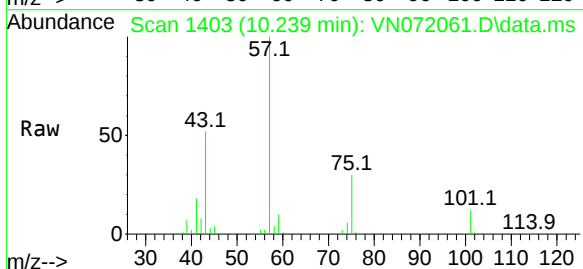
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

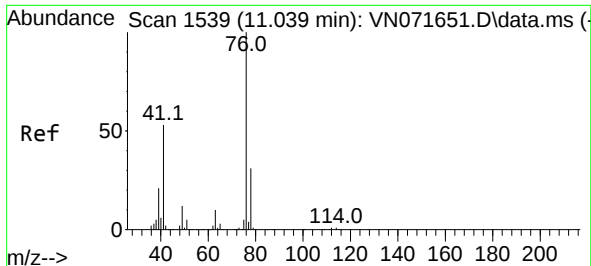
Tgt Ion: 43 Resp: 13465
Ion Ratio Lower Upper
43 100
58 39.4 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 10.886 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 75 Resp: 87037
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 24.4 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.935 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072061.D

Acq: 19 Apr 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

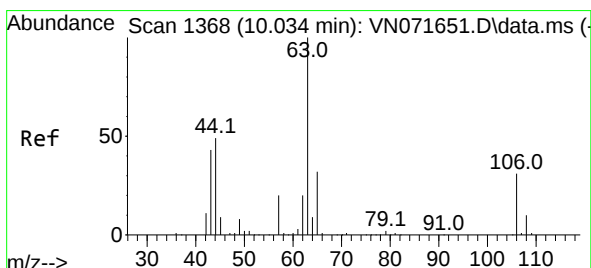
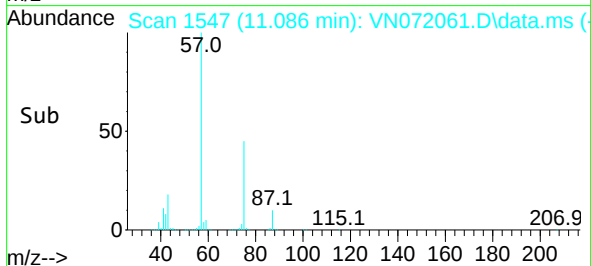
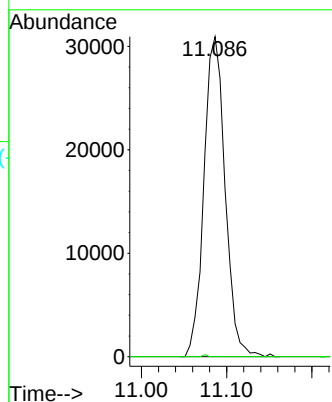
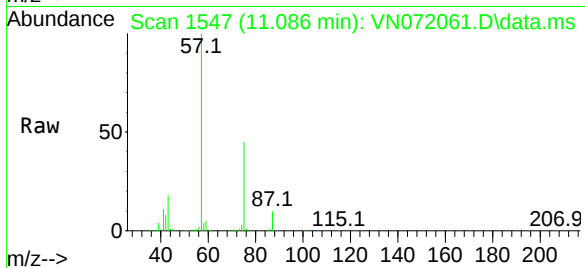
WC-15-1-3-GR

Tgt Ion: 76 Resp: 53380

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#58

2-Chloroethyl Vinyl ether

Concen: 17.188 ug/l

RT: 10.033 min Scan# 1368

Delta R.T. -0.001 min

Lab File: VN072061.D

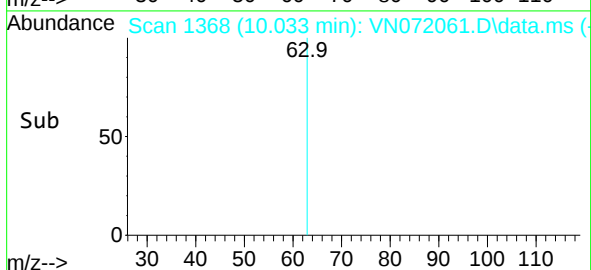
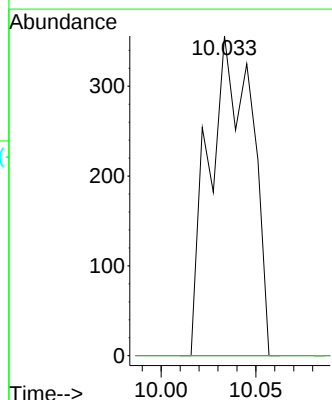
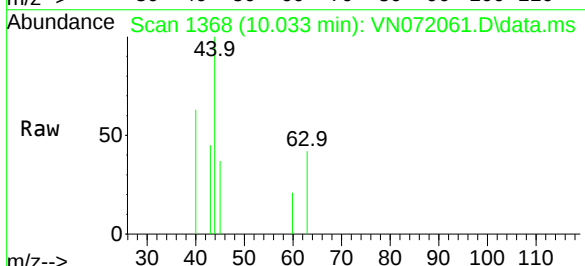
Acq: 19 Apr 2022 19:51

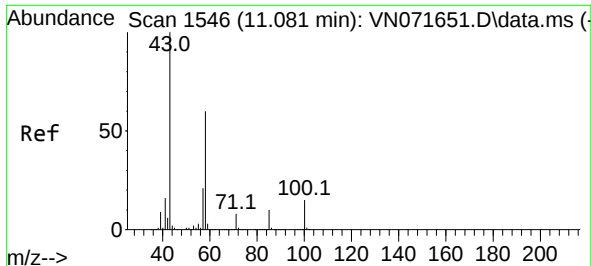
Tgt Ion: 63 Resp: 560

Ion Ratio Lower Upper

63 100

106 0.0 24.6 36.8#

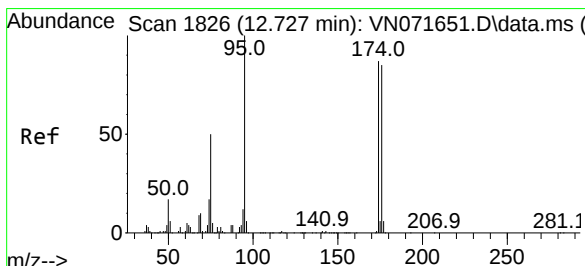
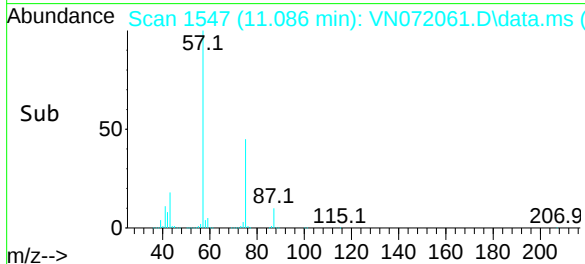
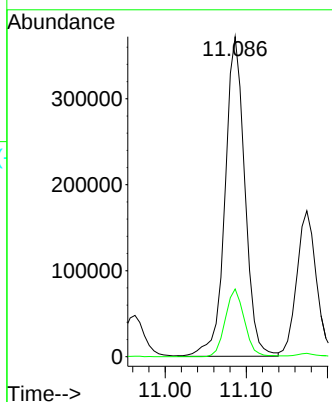
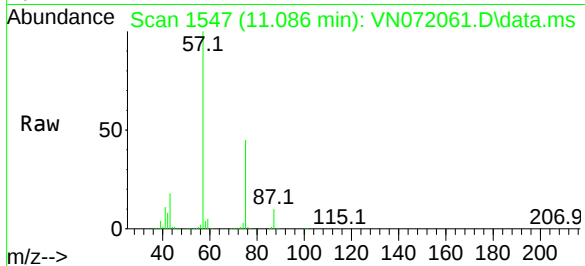




#59
2-Hexanone
Concen: 130.794 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

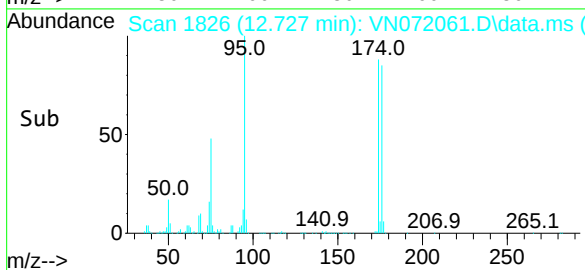
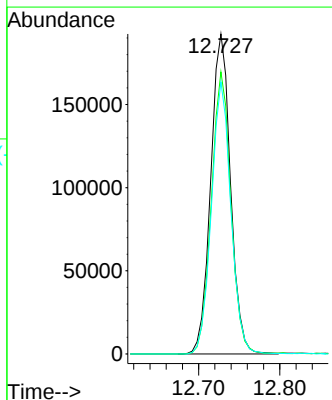
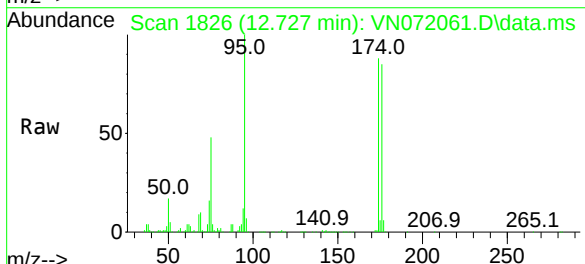
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

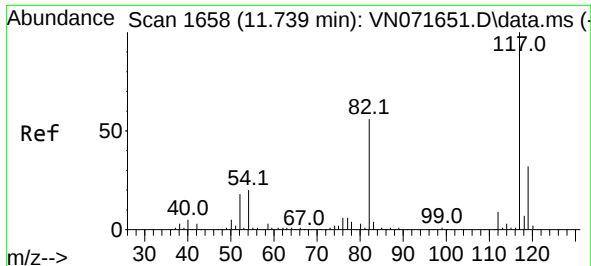
Tgt Ion: 43 Resp: 630940
Ion Ratio Lower Upper
43 100
58 20.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 52.605 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 95 Resp: 326239
Ion Ratio Lower Upper
95 100
174 86.7 0.0 167.6
176 83.5 0.0 163.4

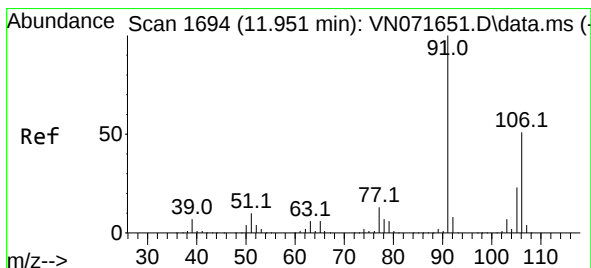
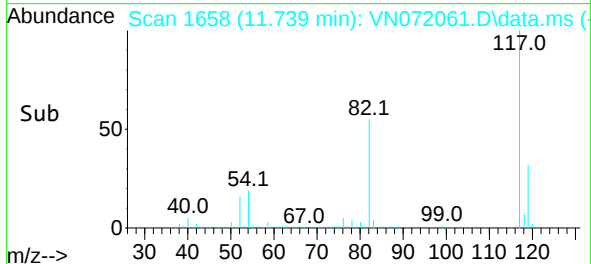
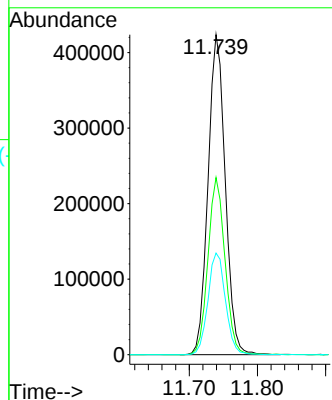
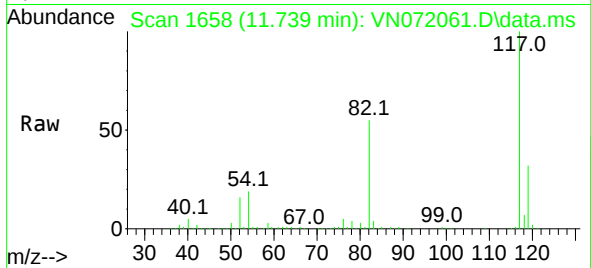




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

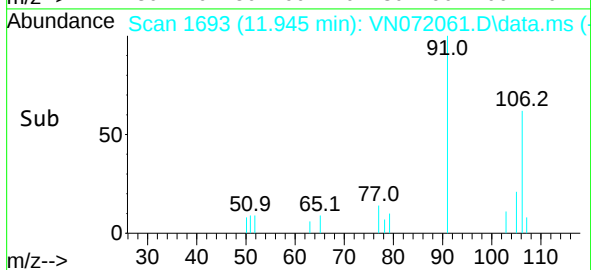
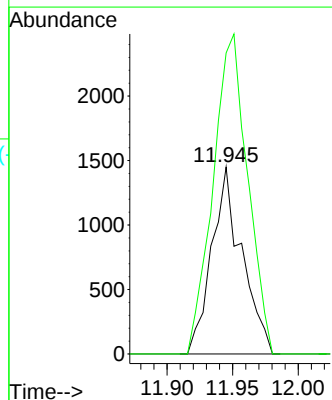
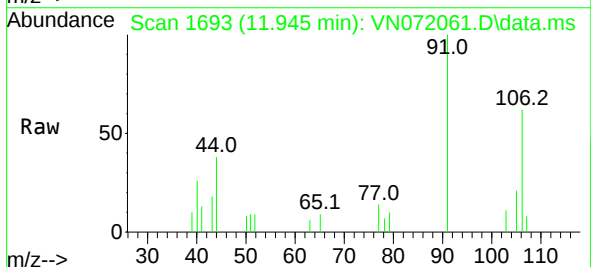
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

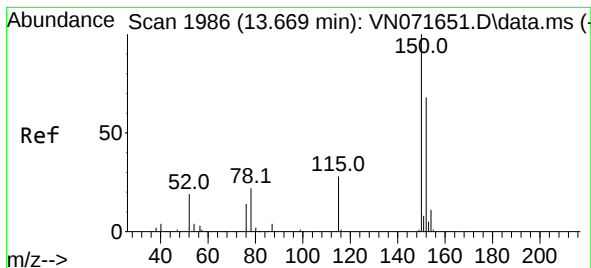
Tgt Ion:117 Resp: 744706
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 31.8 25.4 38.0



#68
m/p-Xylenes
Concen: 0.239 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion:106 Resp: 2317
Ion Ratio Lower Upper
106 100
91 196.2 158.9 238.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN072061.D

Acq: 19 Apr 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

WC-15-1-3-GR

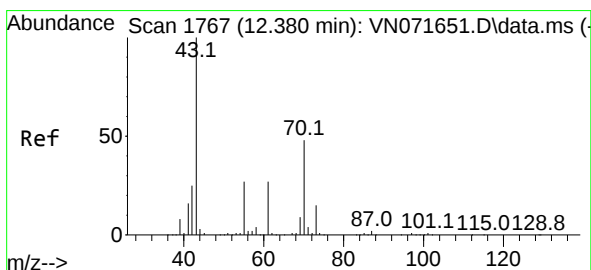
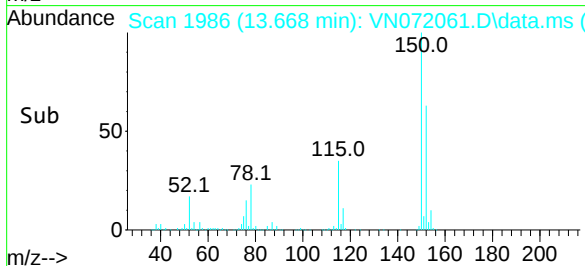
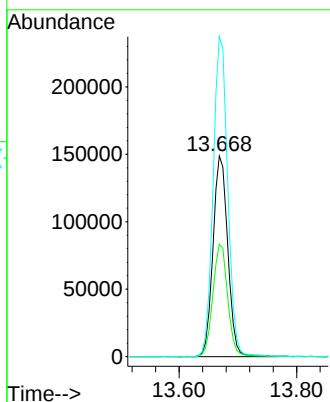
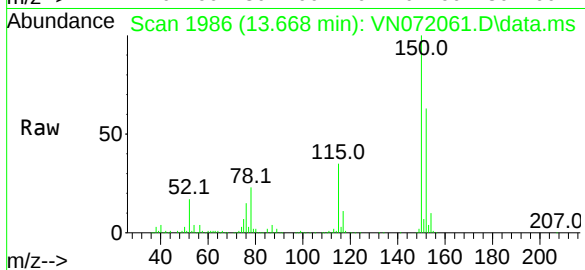
Tgt Ion:152 Resp: 259758

Ion Ratio Lower Upper

152 100

115 56.4 28.9 86.7

150 157.1 0.0 356.2



#74

N-ethyl acetate

Concen: 0.626 ug/l

RT: 12.351 min Scan# 1762

Delta R.T. -0.029 min

Lab File: VN072061.D

Acq: 19 Apr 2022 19:51

Tgt Ion: 43 Resp: 3924

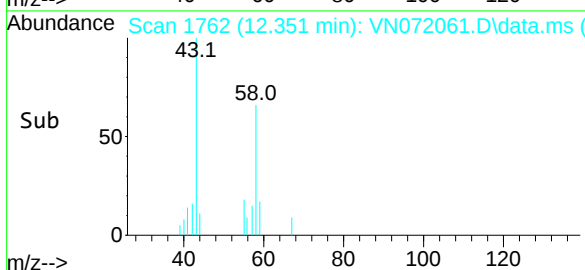
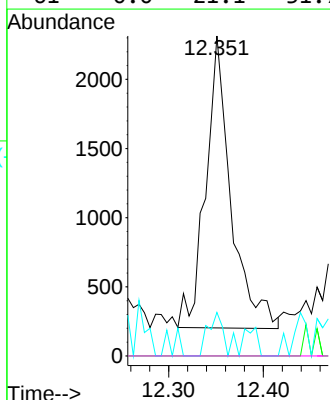
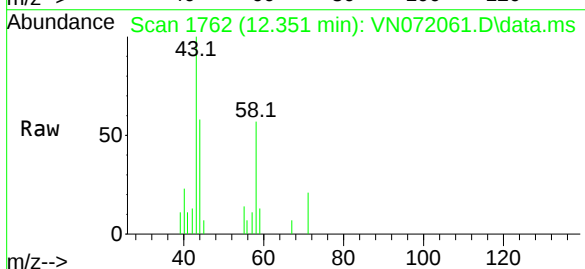
Ion Ratio Lower Upper

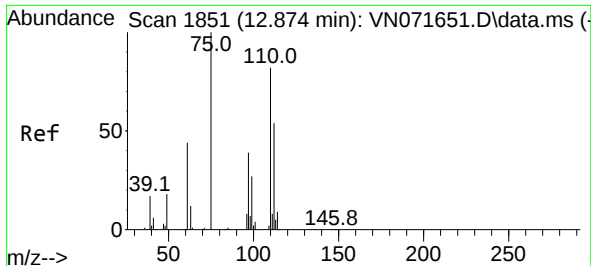
43 100

70 0.0 39.0 58.4#

55 8.4 21.1 31.7#

61 0.0 21.1 31.7#

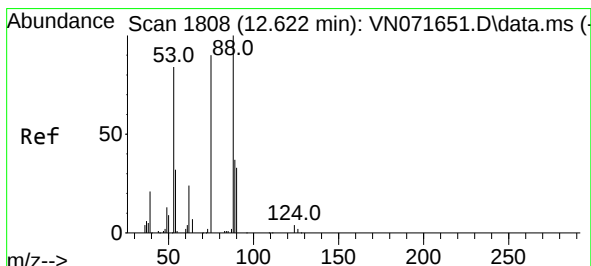
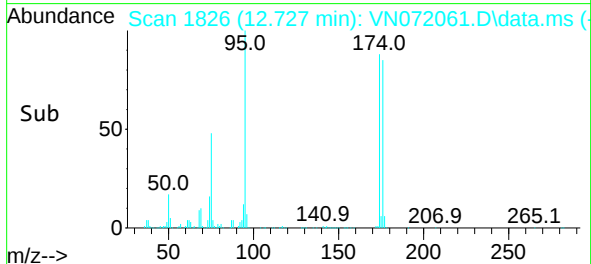
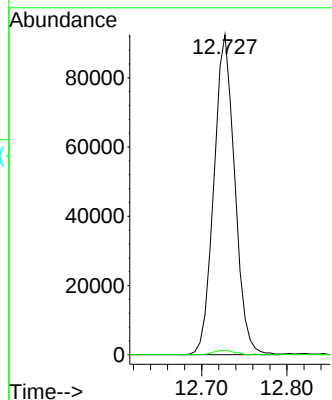
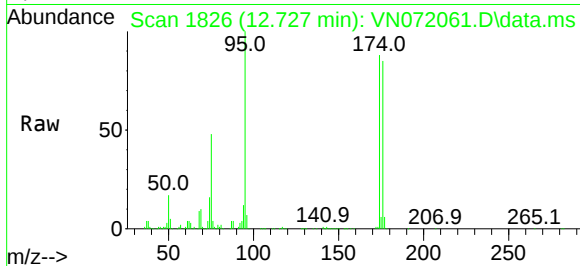




#76
1,2,3-Trichloropropane
Concen: 26.104 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

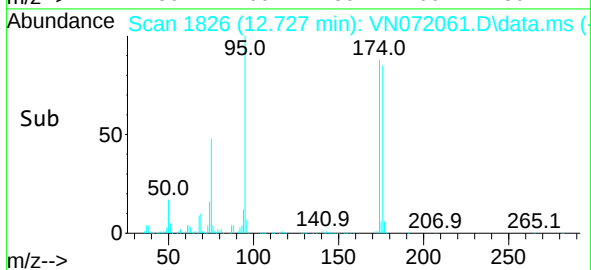
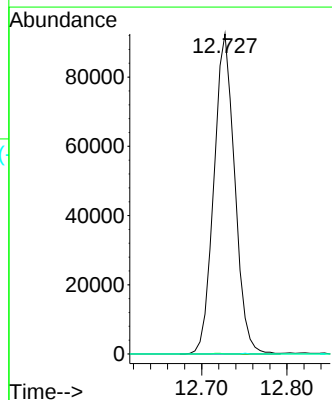
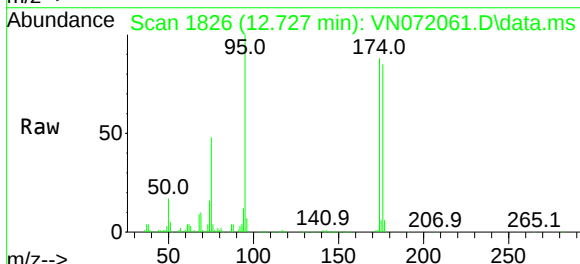
Instrument :
MSVOA_N
ClientSampleId :
WC-15-1-3-GR

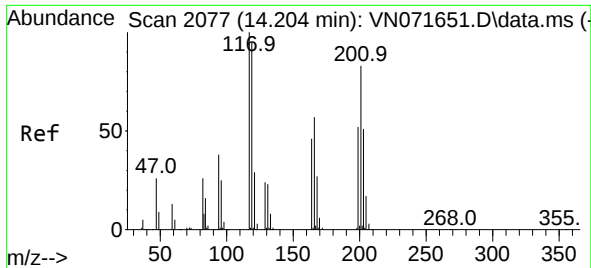
Tgt Ion: 75 Resp: 157079
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.895 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion: 75 Resp: 157079
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

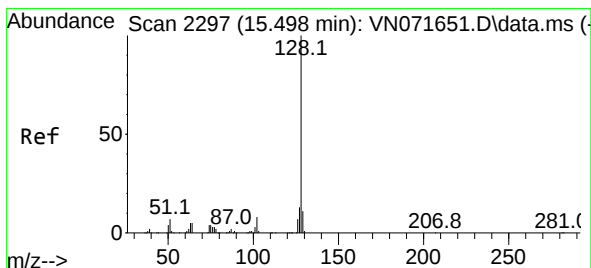
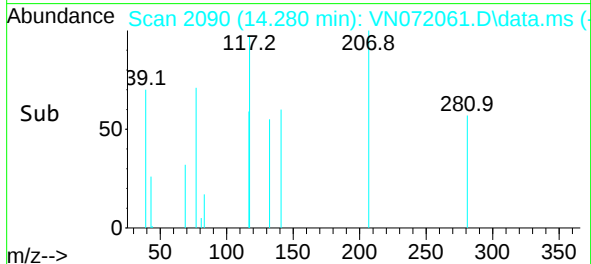
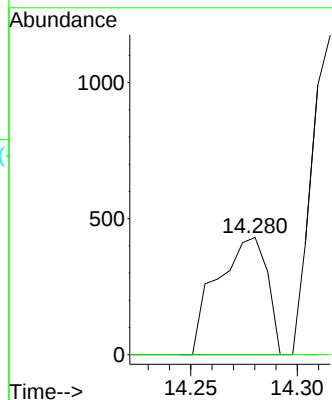
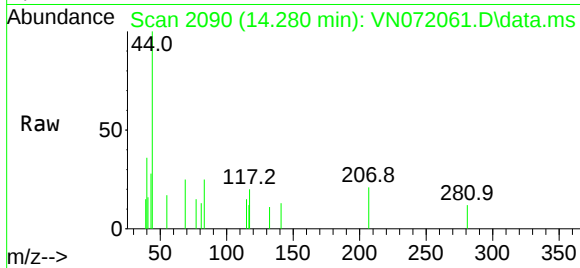




#90
Hexachloroethane
Concen: 0.235 ug/l
RT: 14.280 min Scan# 2090
Delta R.T. 0.076 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

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

Tgt Ion:117 Resp: 705
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 4.028 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072061.D
Acq: 19 Apr 2022 19:51

Tgt Ion:128 Resp: 2877
Ion Ratio Lower Upper
128 100
127 1.9 10.3 15.5#
129 4.7 8.6 13.0#

