

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071553.D
 Acq On : 25 Mar 2022 17:30
 Operator : JC\MD
 Sample : N2060-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20220321

Quant Time: Mar 26 04:04:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

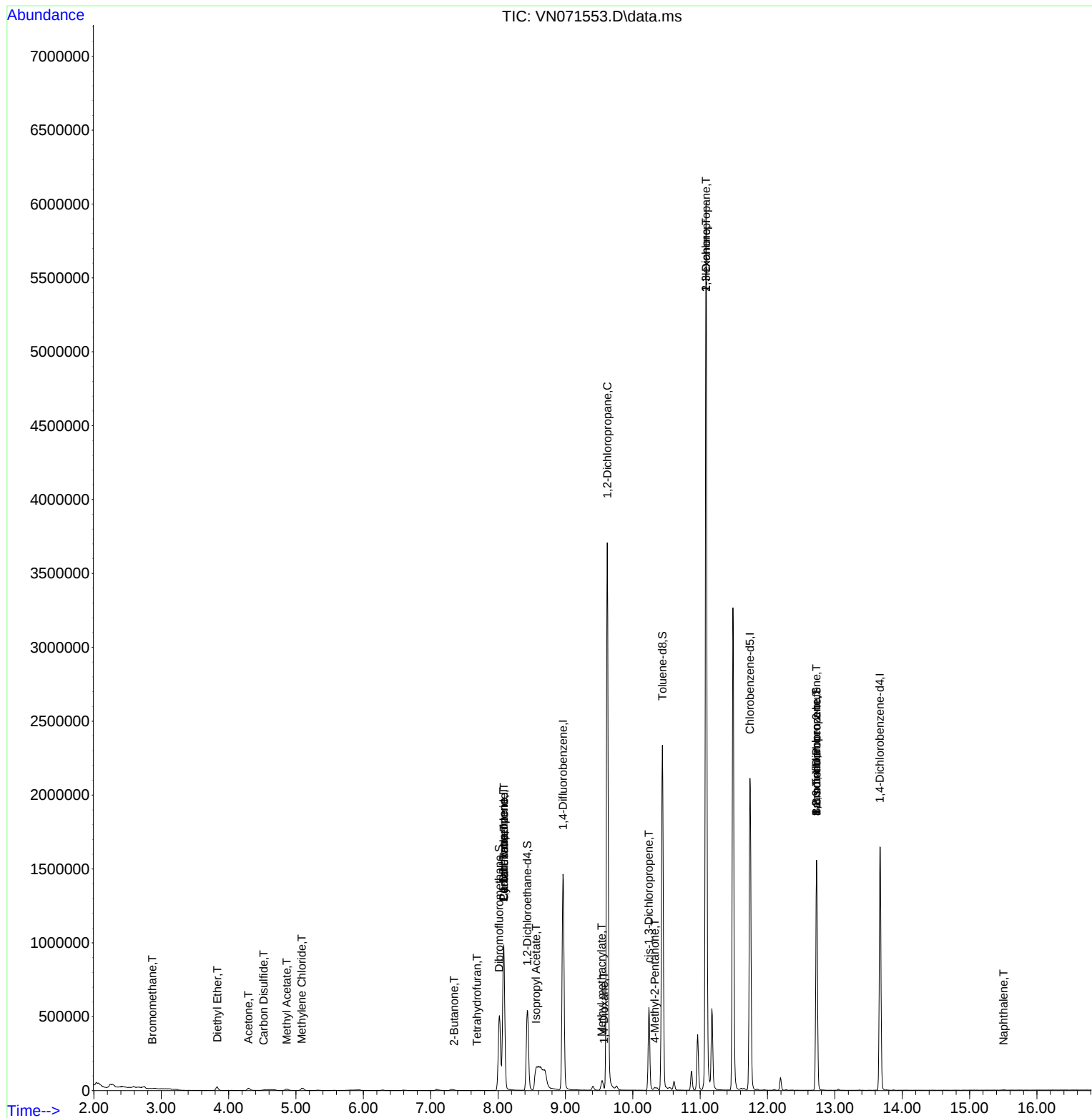
Internal Standards						
1) Pentafluorobenzene	8.086	168	797167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1363234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1325107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	482191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	465190	46.970	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.940%		
35) Dibromofluoromethane	8.016	113	384527	44.882	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.760%		
50) Toluene-d8	10.439	98	1697032	49.108	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.220%		
62) 4-Bromofluorobenzene	12.727	95	552930	48.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.660%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2030	Below Cal	#	84
5) Bromomethane	2.869	94	1762	0.298	ug/l #	67
8) Diethyl Ether	3.834	74	14311	2.652	ug/l	94
16) Acetone	4.293	43	28751	7.082	ug/l #	83
17) Carbon Disulfide	4.522	76	4922	0.247	ug/l #	75
18) Methyl Acetate	4.863	43	22218	0.866	ug/l	94
20) Methylene Chloride	5.087	84	14080	1.489	ug/l	91
25) 2-Butanone	7.345	43	6270	0.963	ug/l	96
29) Tetrahydrofuran	7.686	42	952	0.220	ug/l #	58
31) Cyclohexane	8.086	56	14569	1.028	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	57028	4.617	ug/l #	48
38) Carbon Tetrachloride	8.086	117	74012	6.147	ug/l #	17
43) Isopropyl Acetate	8.563	43	165119	7.324	ug/l #	71
45) 1,2-Dichloropropane	9.622	63	5175	0.543	ug/l #	44
48) Methyl methacrylate	9.539	41	18385	1.891	ug/l #	10
49) 1,4-Dioxane	9.575	88	66	0.294	ug/l #	25
51) 4-Methyl-2-Pentanone	10.327	43	10211	0.757	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	104486	6.935	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	66820	4.070	ug/l #	42
59) 2-Hexanone	11.086	43	857610	88.251	ug/l #	47
71) Bromoform	12.727	173	2682	0.343	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.727	83	185	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	274739	25.552	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	274739	68.409	ug/l #	11
95) Naphthalene	15.504	128	2940	3.327	ug/l #	92

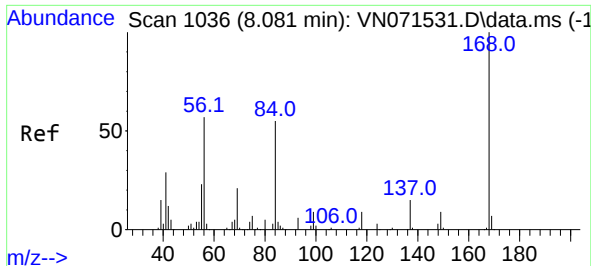
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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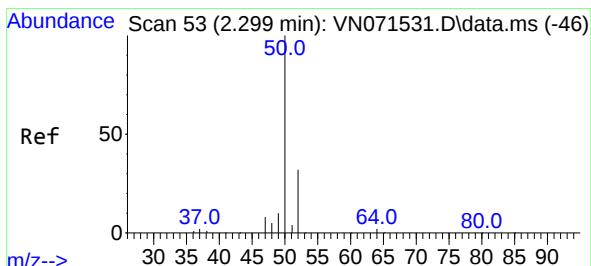
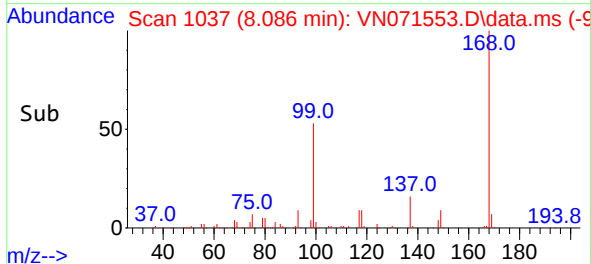
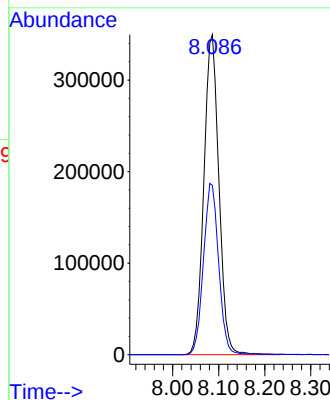
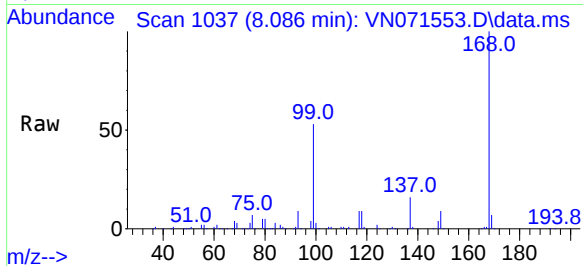




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

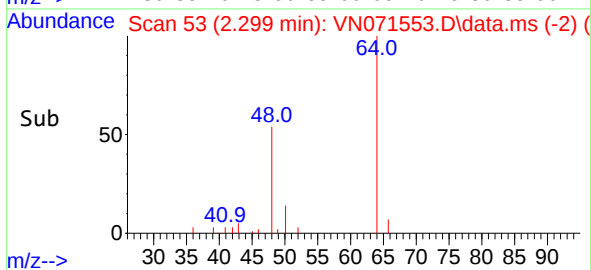
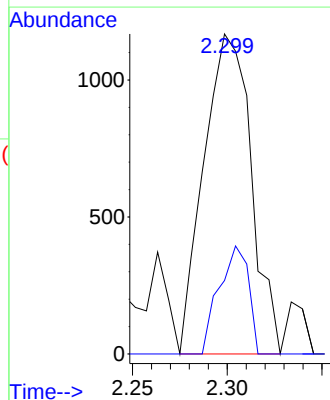
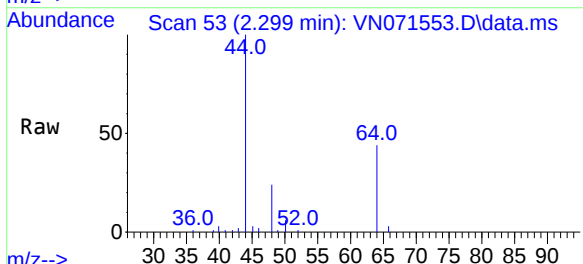
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

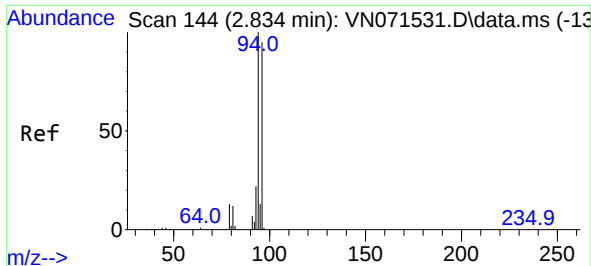
Tgt Ion:168 Resp: 797167
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 50 Resp: 2030
Ion Ratio Lower Upper
50 100
52 22.9 25.7 38.5#

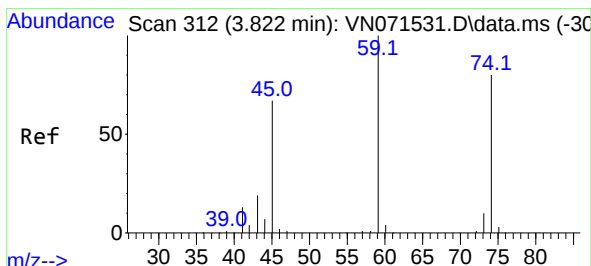
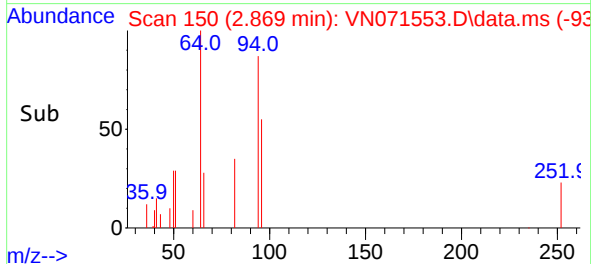
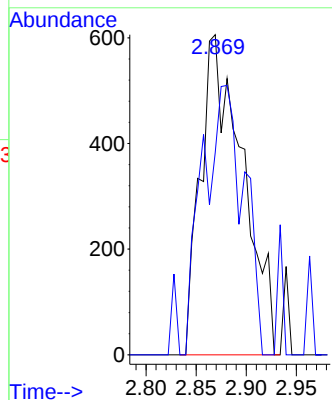
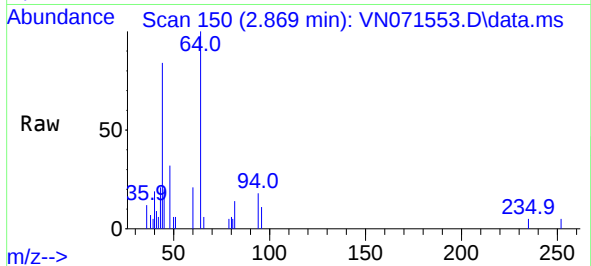




#5
Bromomethane
Concen: 0.298 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

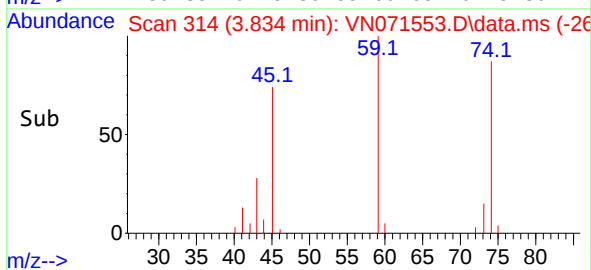
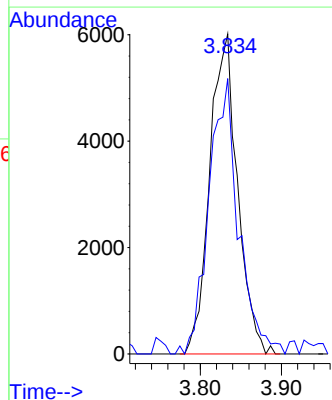
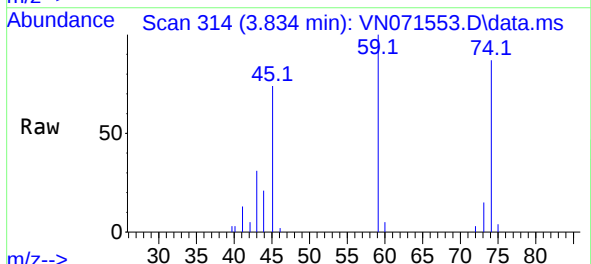
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

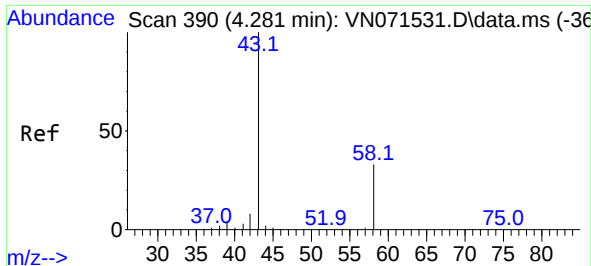
Tgt Ion: 94 Resp: 1762
Ion Ratio Lower Upper
94 100
96 63.2 76.0 114.0#



#8
Diethyl Ether
Concen: 2.652 ug/l
RT: 3.834 min Scan# 314
Delta R.T. 0.012 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 74 Resp: 14311
Ion Ratio Lower Upper
74 100
45 91.5 42.9 128.5

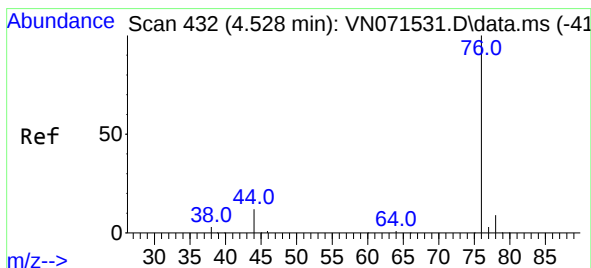
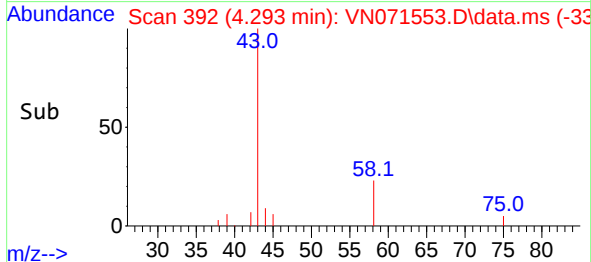
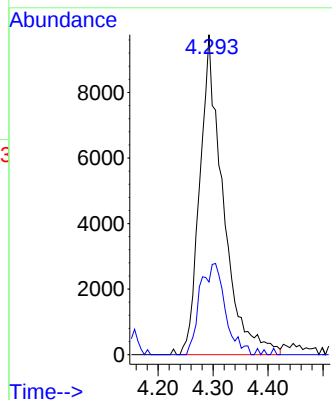
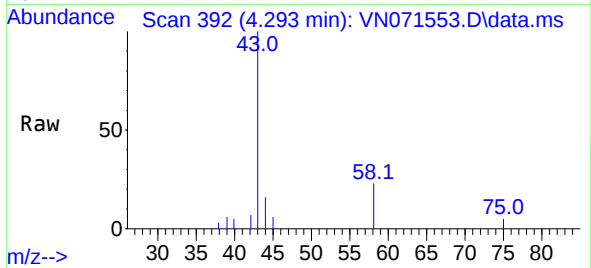




#16
Acetone
Concen: 7.082 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

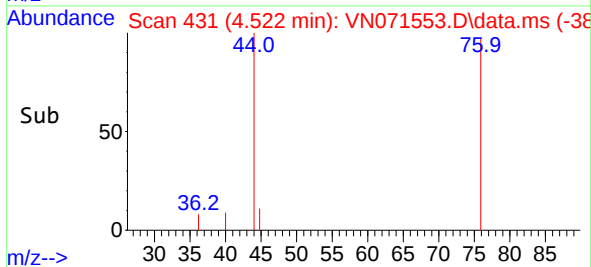
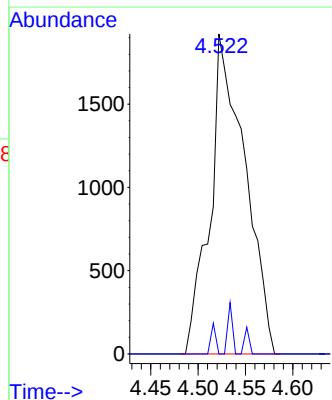
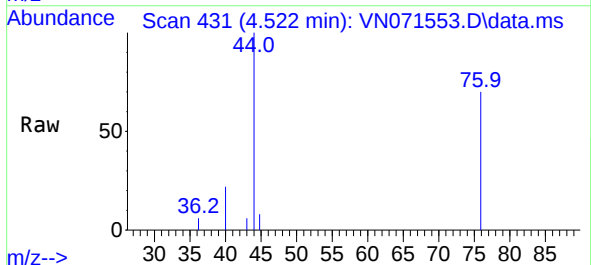
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

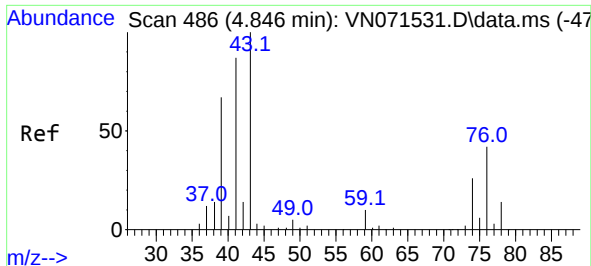
Tgt Ion: 43 Resp: 28751
Ion Ratio Lower Upper
43 100
58 22.7 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 4.522 min Scan# 431
Delta R.T. -0.006 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 76 Resp: 4922
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

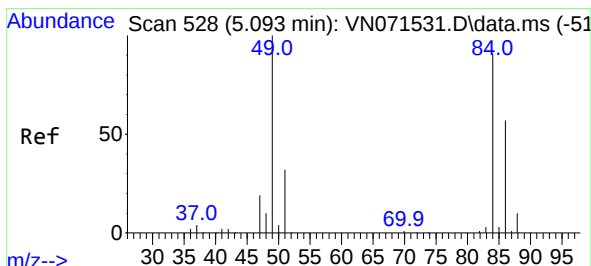
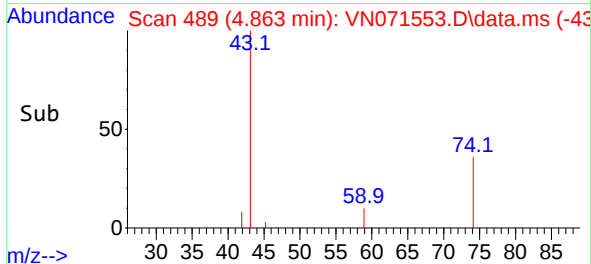
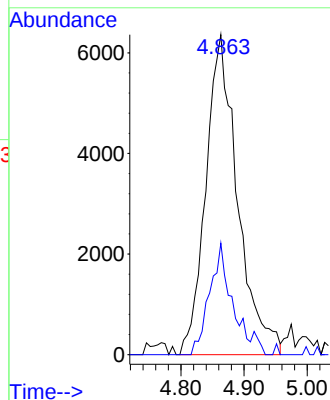
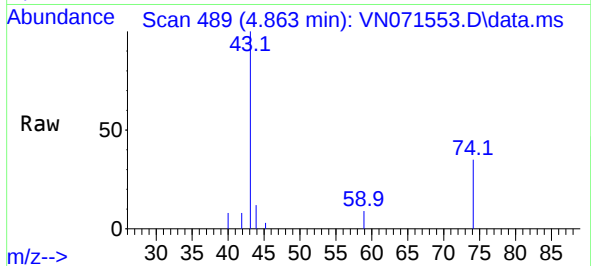




#18
Methyl Acetate
Concen: 0.866 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

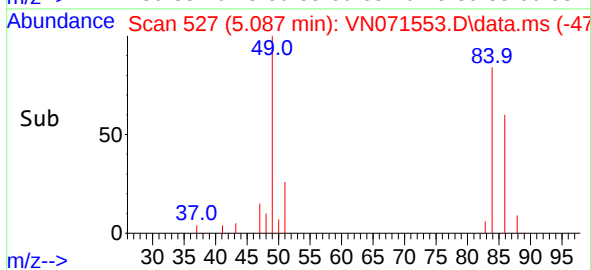
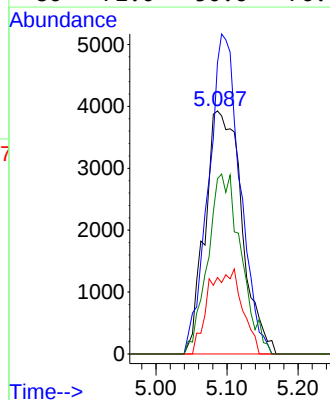
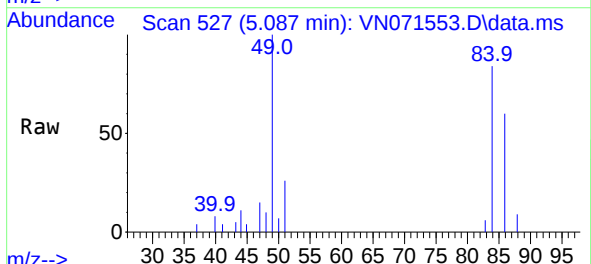
Instrument :
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ClientSampleId :
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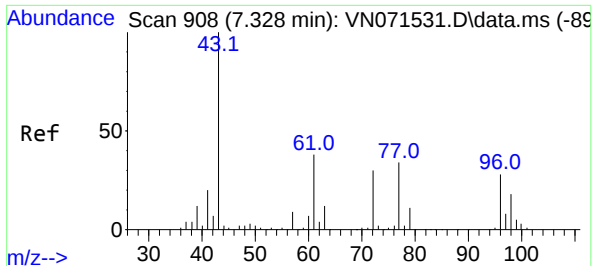
Tgt Ion: 43 Resp: 22218
Ion Ratio Lower Upper
43 100
74 24.1 21.6 32.4



#20
Methylene Chloride
Concen: 1.489 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 84 Resp: 14080
Ion Ratio Lower Upper
84 100
49 119.8 88.3 132.5
51 31.5 28.2 42.2
86 72.0 50.6 76.0





#25

2-Butanone

Concen: 0.963 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071553.D

Acq: 25 Mar 2022 17:30

Instrument :

MSVOA_N

ClientSampleId :

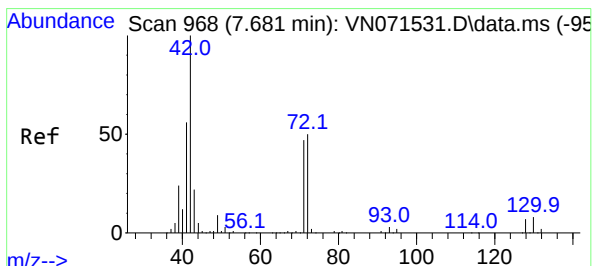
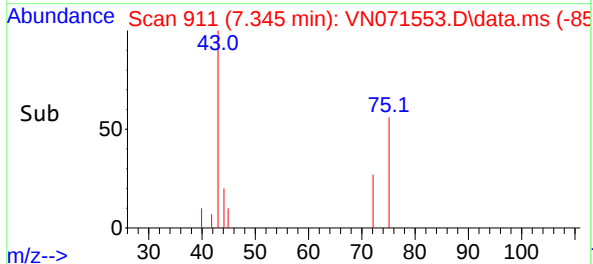
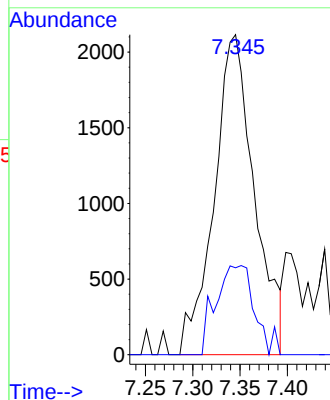
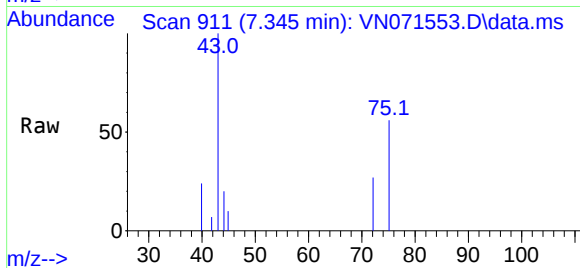
WC-20220321

Tgt Ion: 43 Resp: 6270

Ion Ratio Lower Upper

43 100

72 27.2 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 7.686 min Scan# 969

Delta R.T. 0.006 min

Lab File: VN071553.D

Acq: 25 Mar 2022 17:30

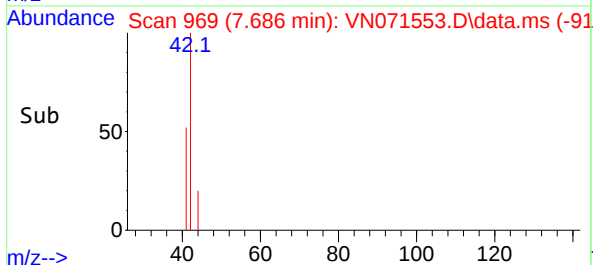
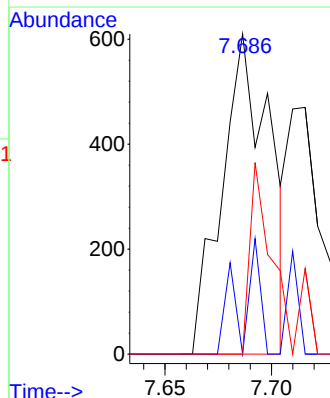
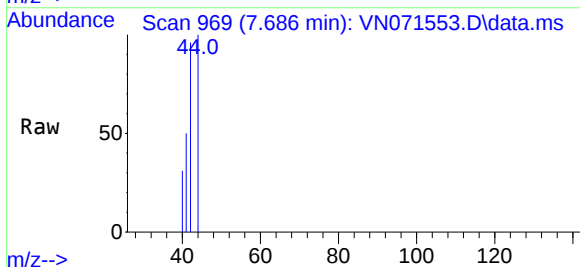
Tgt Ion: 42 Resp: 952

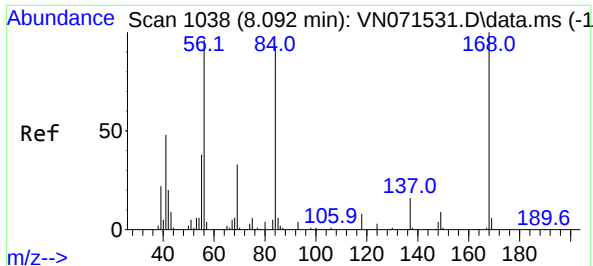
Ion Ratio Lower Upper

42 100

72 6.4 39.7 59.5#

71 32.5 36.6 55.0#

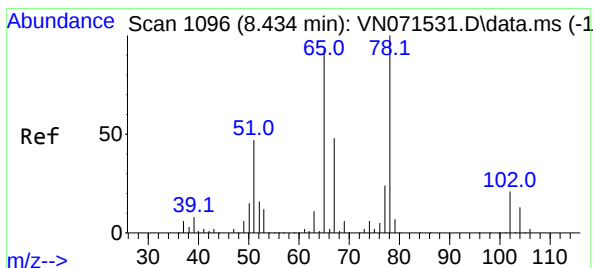
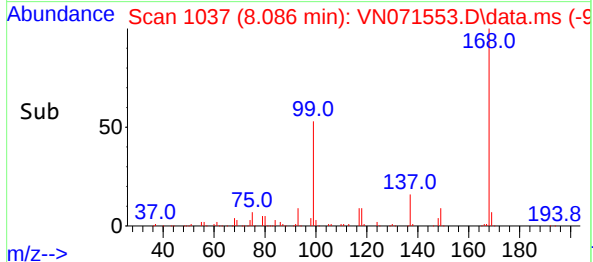
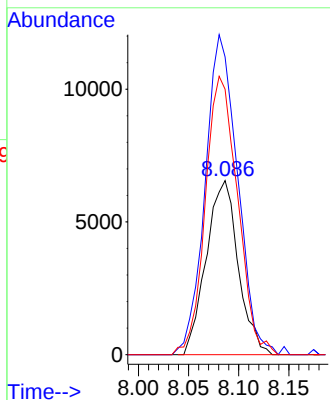
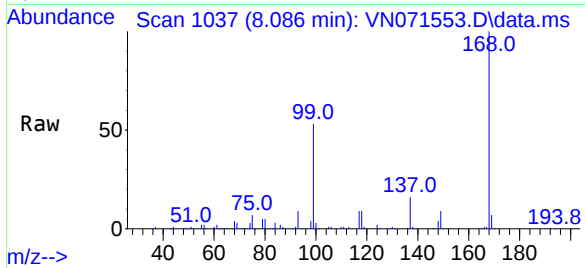




#31
Cyclohexane
Concen: 1.028 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

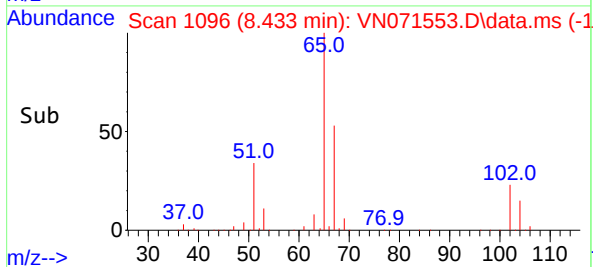
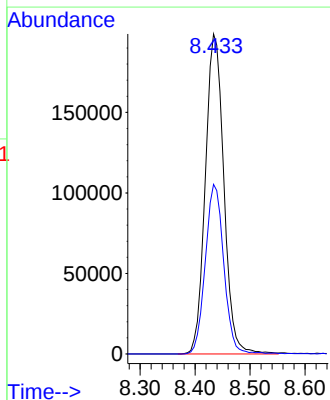
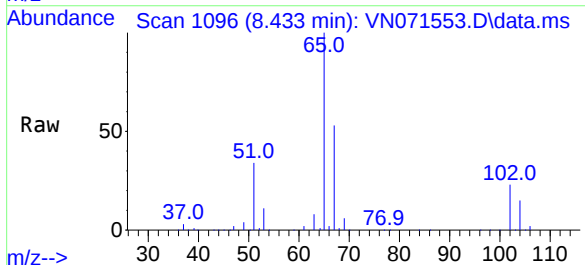
Instrument :
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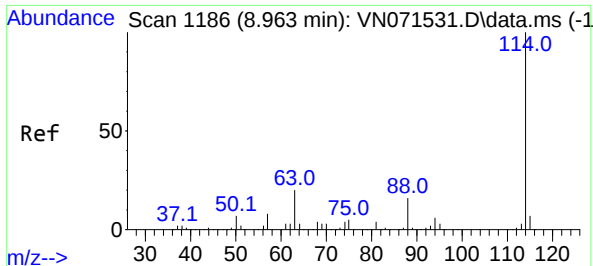
Tgt Ion: 56 Resp: 14569
Ion Ratio Lower Upper
56 100
69 171.0 27.8 41.8#
84 152.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.970 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 65 Resp: 465190
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: VN071553.D

Acq: 25 Mar 2022 17:30

Instrument :

MSVOA_N

ClientSampleId :

WC-20220321

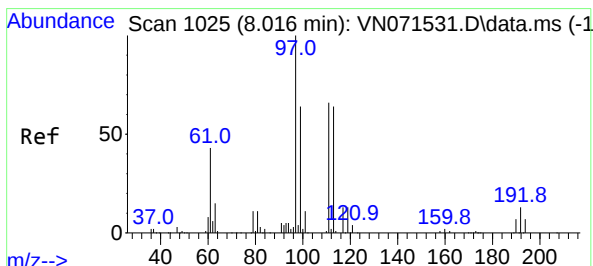
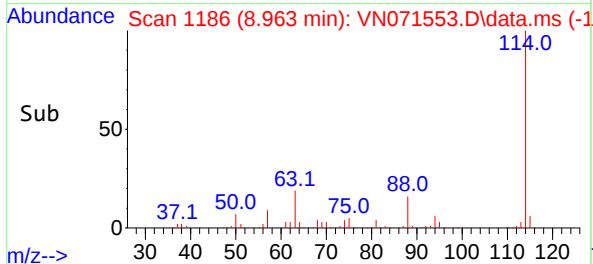
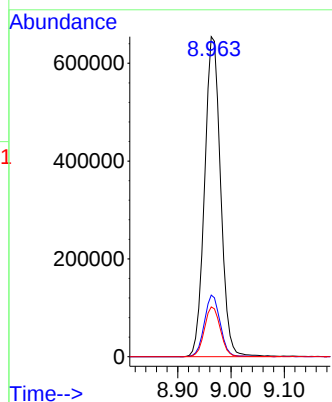
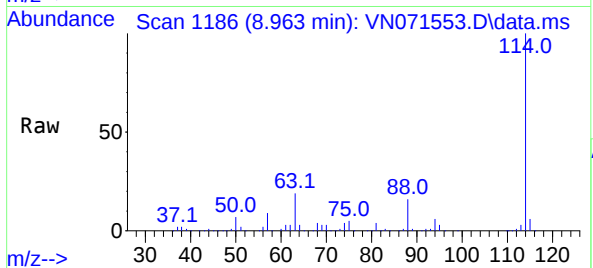
Tgt Ion:114 Resp: 1363234

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 44.882 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071553.D

Acq: 25 Mar 2022 17:30

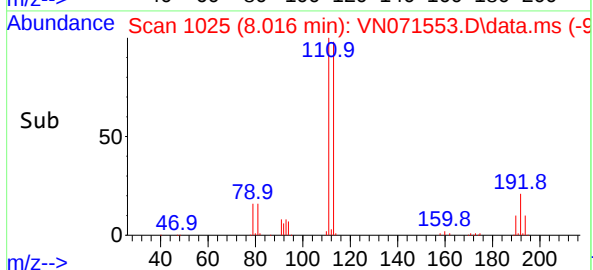
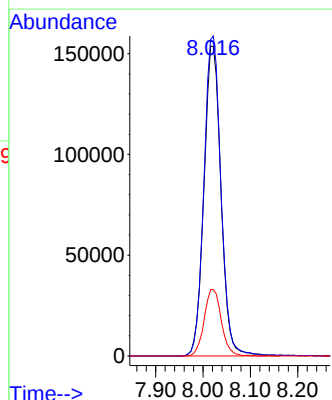
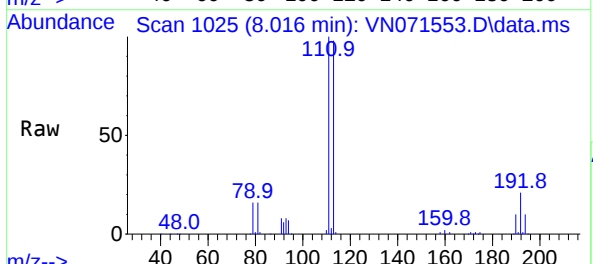
Tgt Ion:113 Resp: 384527

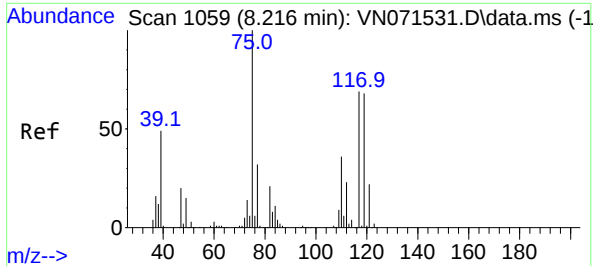
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 21.6 17.0 25.6

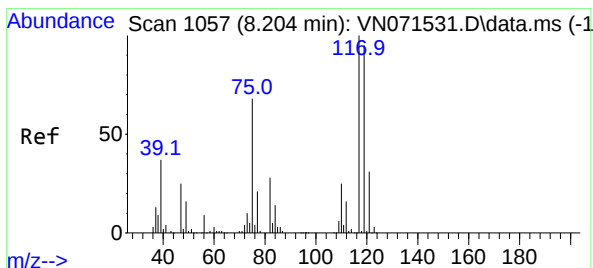
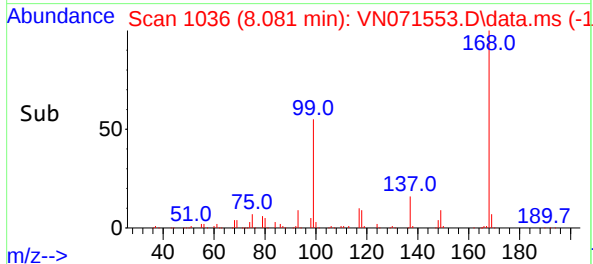
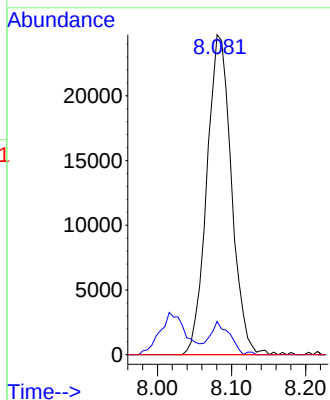
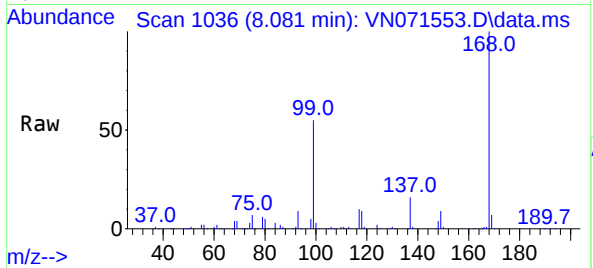




#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

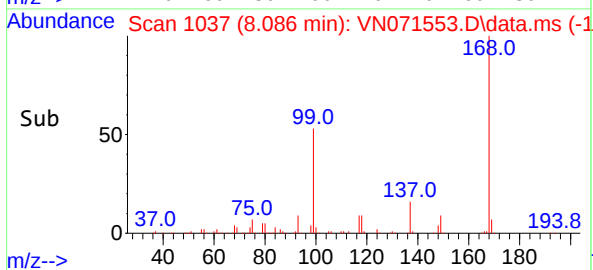
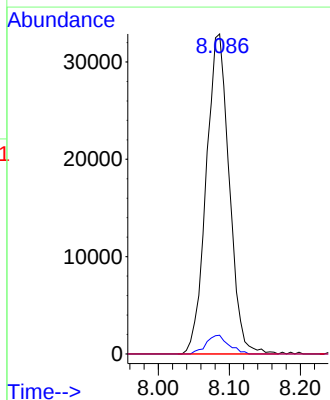
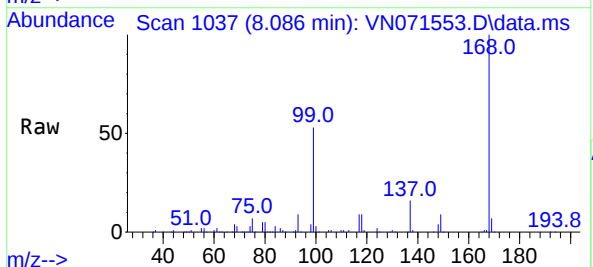
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

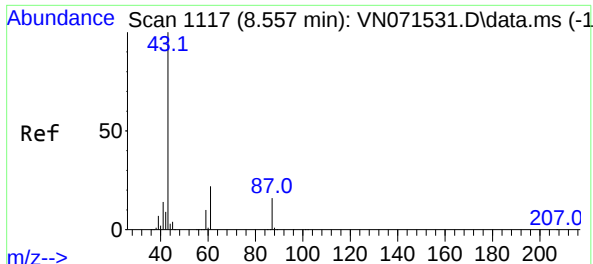
Tgt Ion: 75 Resp: 57028
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 117 Resp: 74012
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#

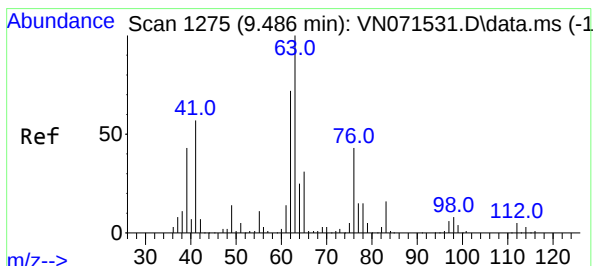
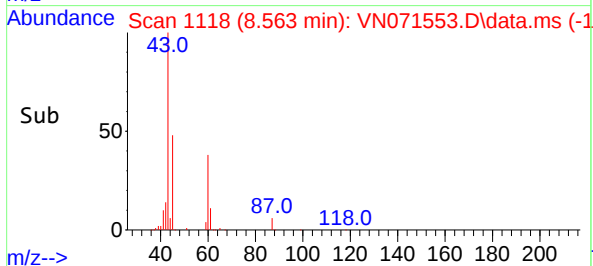
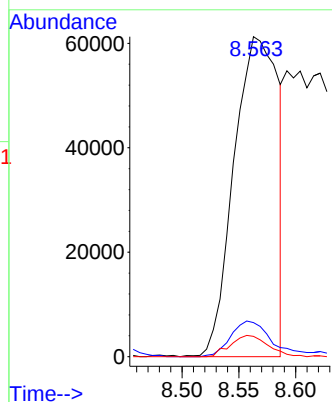
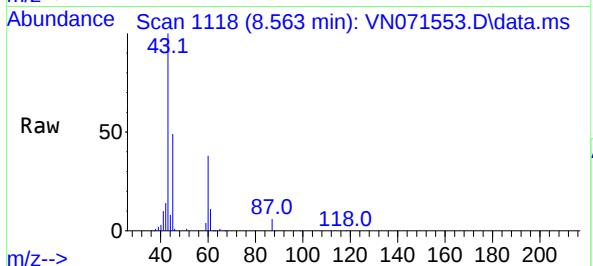




#43
Isopropyl Acetate
Concen: 7.324 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

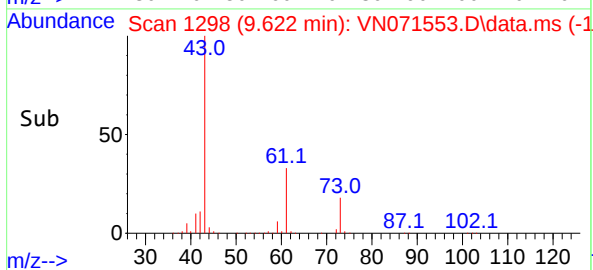
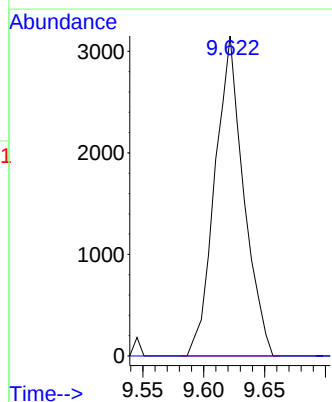
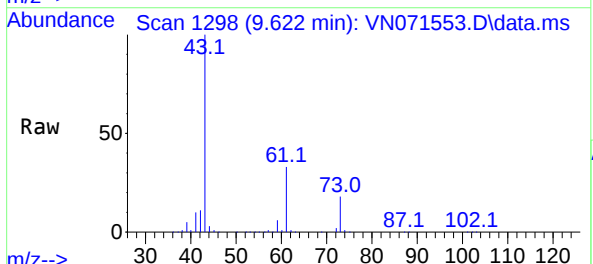
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

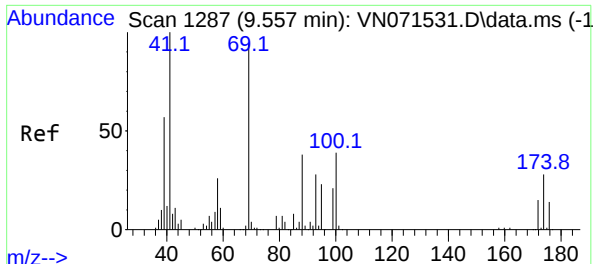
Tgt Ion: 43 Resp: 165119
Ion Ratio Lower Upper
43 100
61 10.4 21.9 32.9#
87 5.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.543 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.135 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 63 Resp: 5175
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

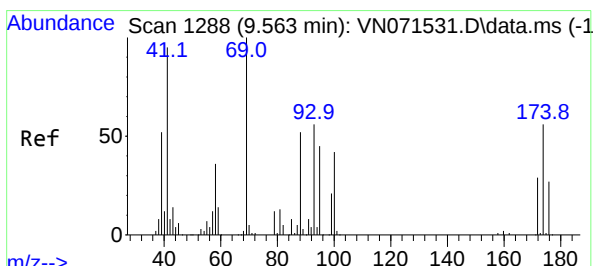
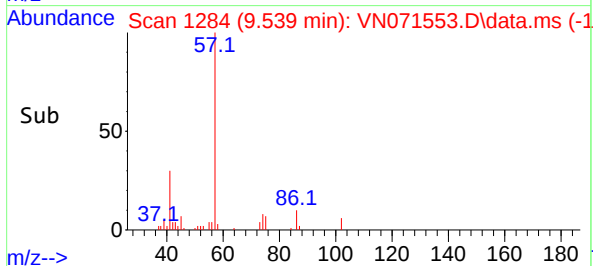
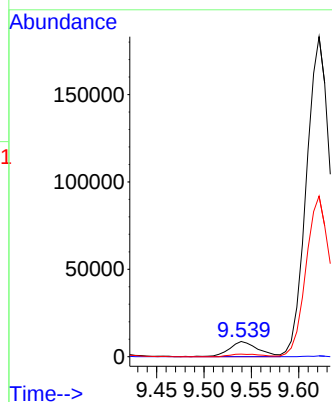
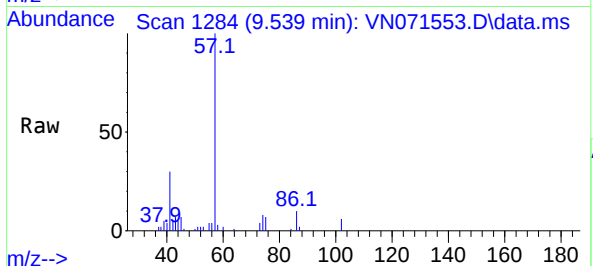




#48
Methyl methacrylate
Concen: 1.891 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

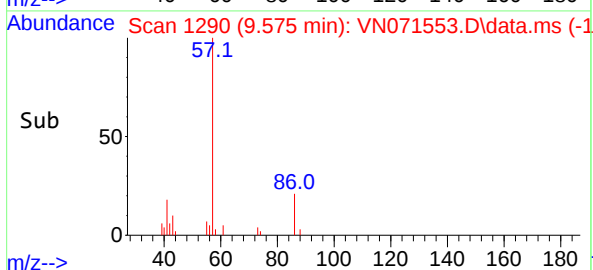
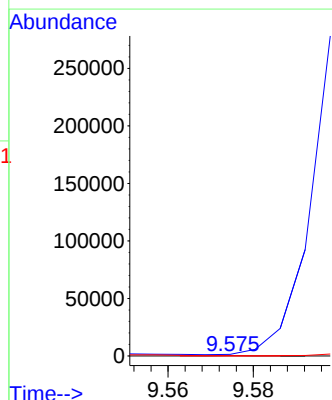
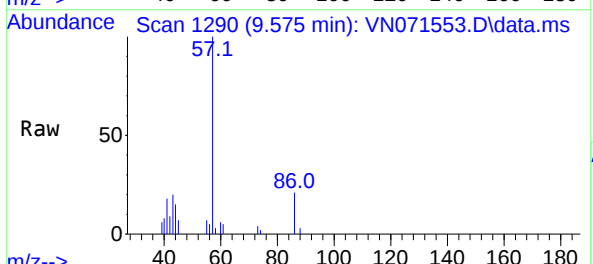
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

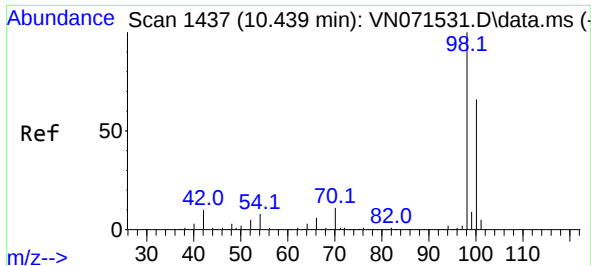
Tgt Ion: 41 Resp: 18385
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.294 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. 0.012 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

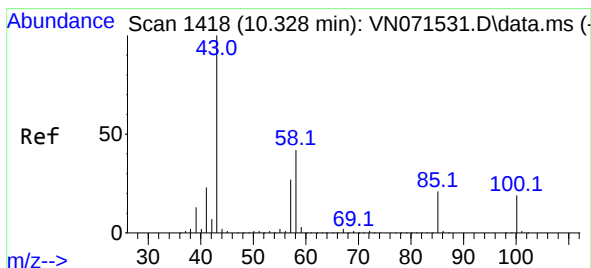
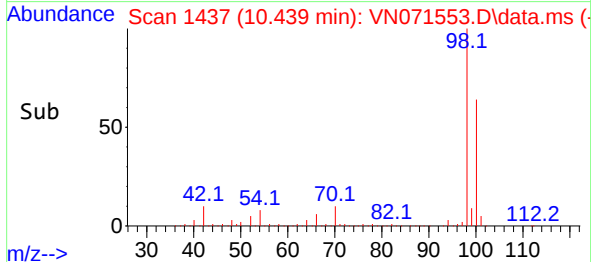
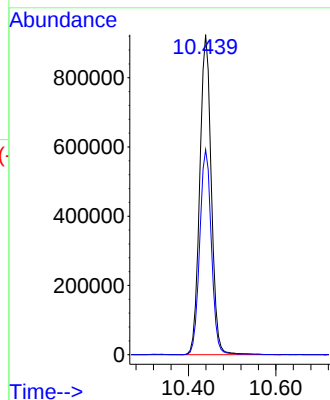
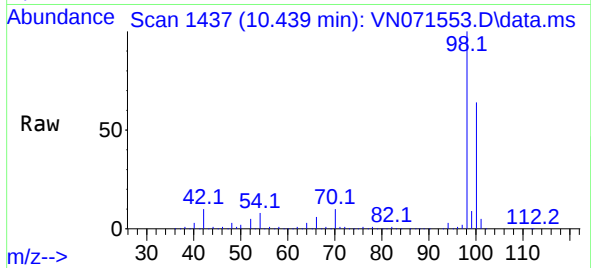




#50
Toluene-d8
Concen: 49.108 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

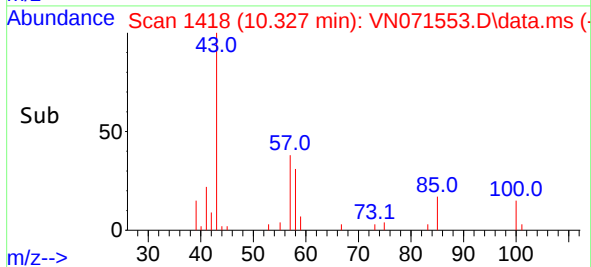
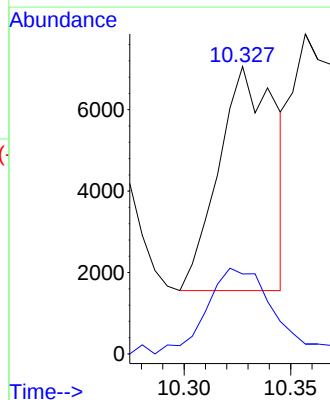
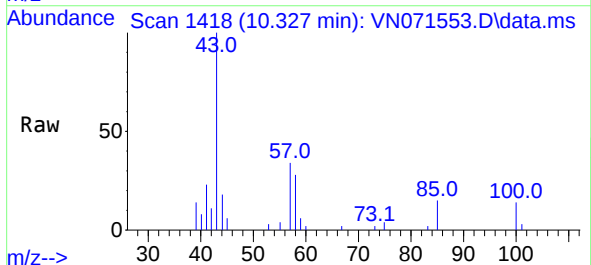
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

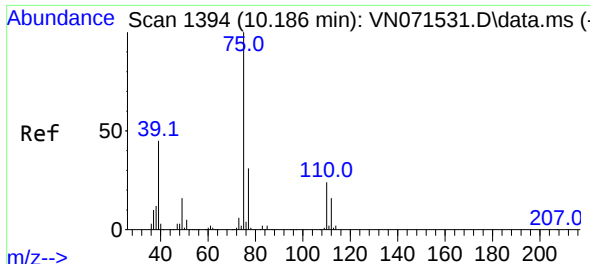
Tgt Ion: 98 Resp: 1697032
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.757 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 43 Resp: 10211
Ion Ratio Lower Upper
43 100
58 44.7 34.1 51.1

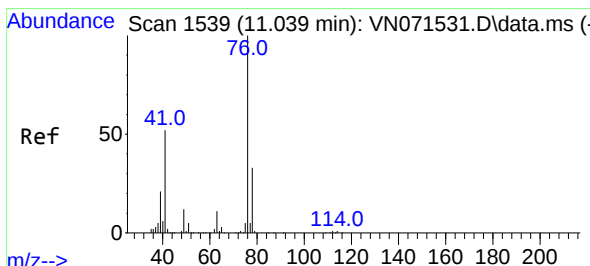
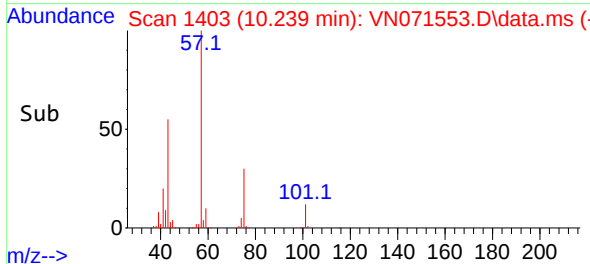
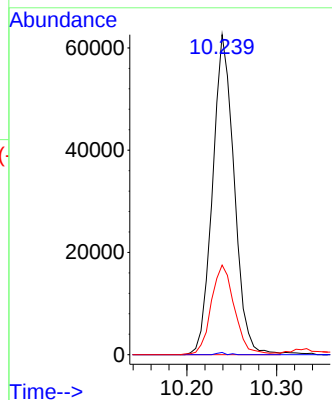
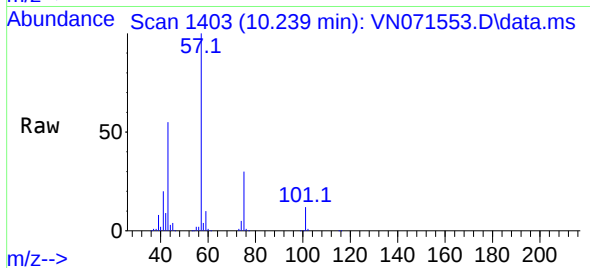




#54
 cis-1,3-Dichloropropene
 Concen: 6.935 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071553.D
 Acq: 25 Mar 2022 17:30

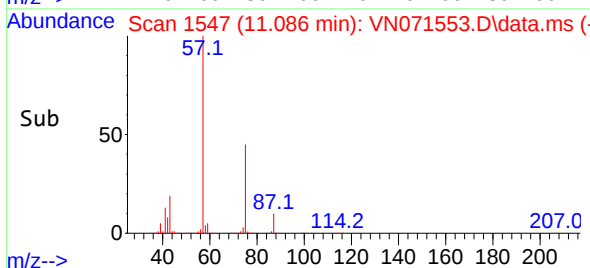
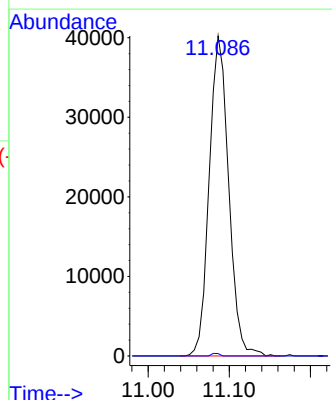
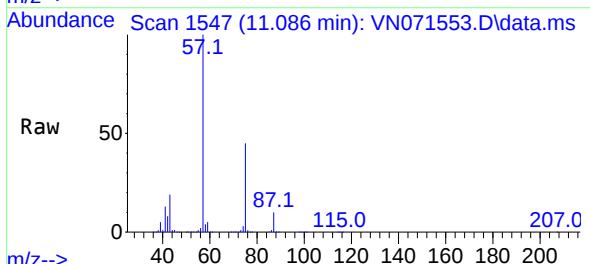
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20220321

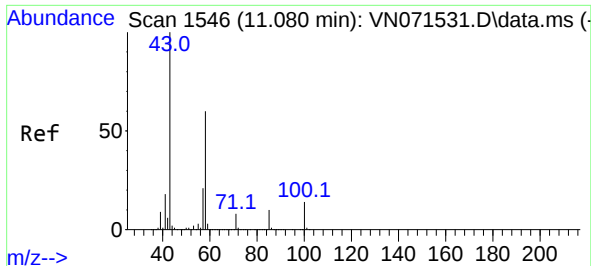
Tgt Ion: 75 Resp: 104486
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 28.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.070 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071553.D
 Acq: 25 Mar 2022 17:30

Tgt Ion: 76 Resp: 66820
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

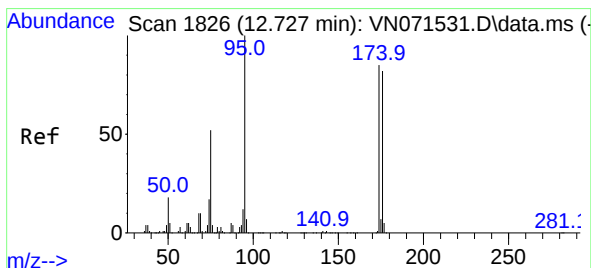
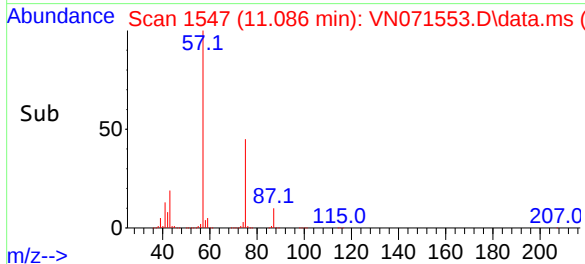
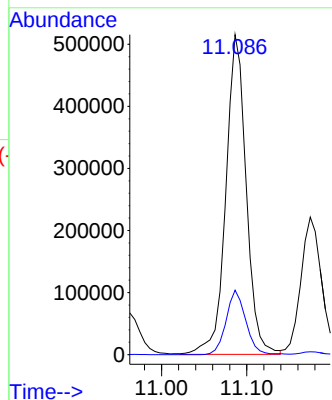
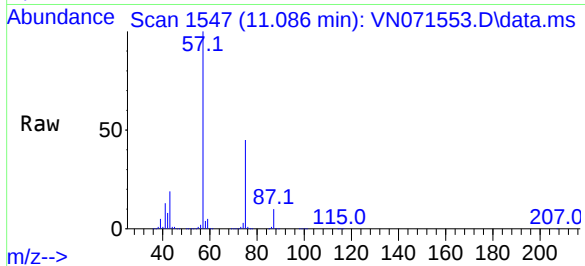




#59
2-Hexanone
Concen: 88.251 ug/l
RT: 11.086 min Scan# 11547
Delta R.T. 0.006 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

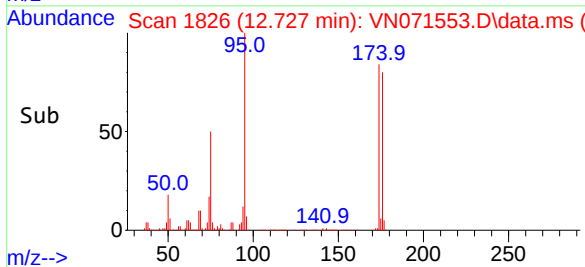
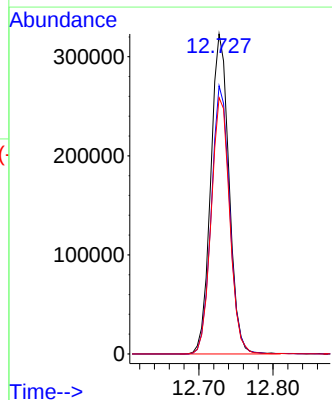
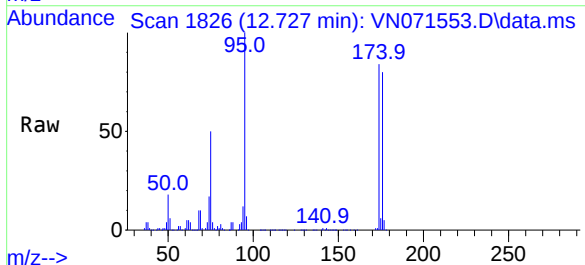
Instrument :
MSVOA_N
ClientSampleId :
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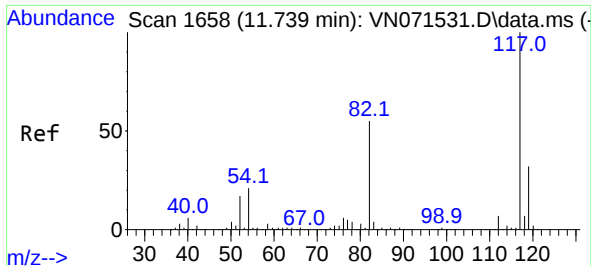
Tgt Ion: 43 Resp: 857610
Ion Ratio Lower Upper
43 100
58 19.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 48.832 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 95 Resp: 552930
Ion Ratio Lower Upper
95 100
174 83.9 0.0 167.6
176 81.0 0.0 163.4

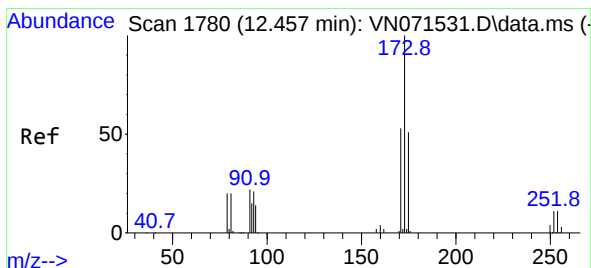
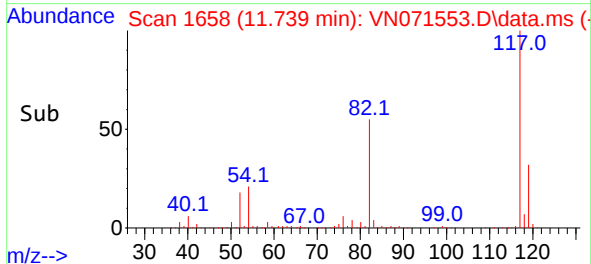
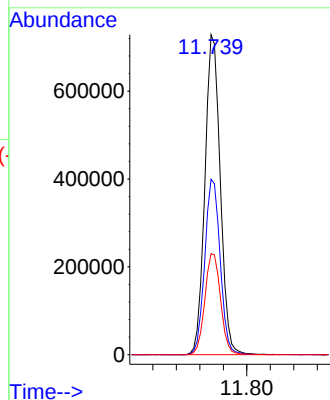
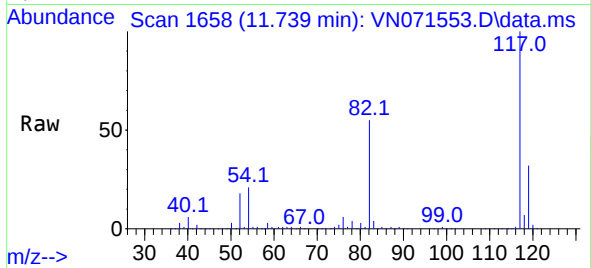




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

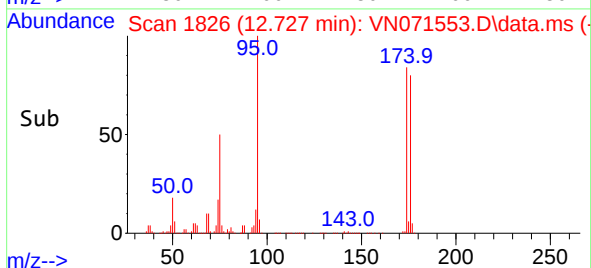
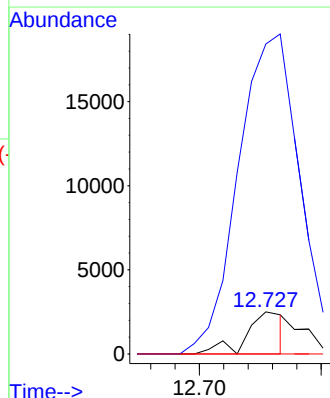
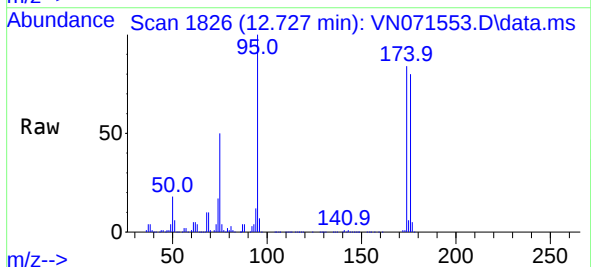
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

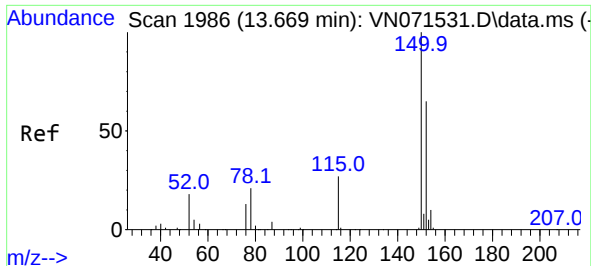
Tgt Ion:117 Resp: 1325107
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.5 25.4 38.0



#71
Bromoform
Concen: 0.343 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion:173 Resp: 2682
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

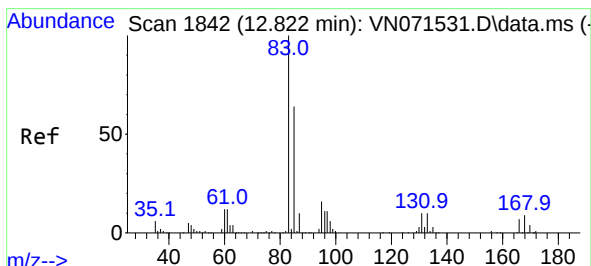
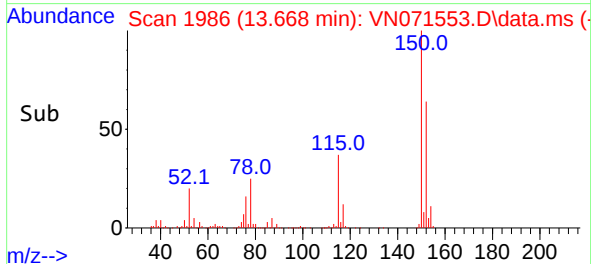
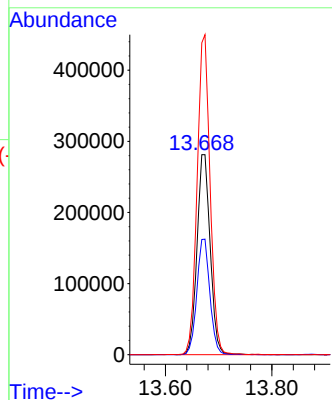
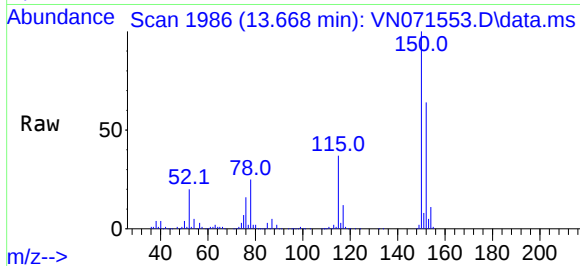




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

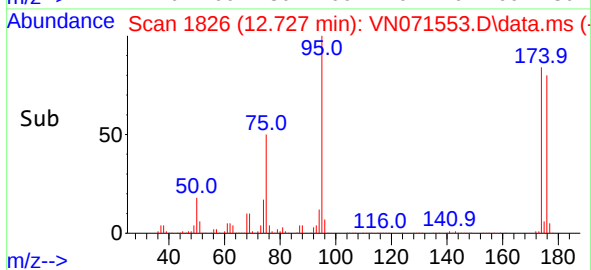
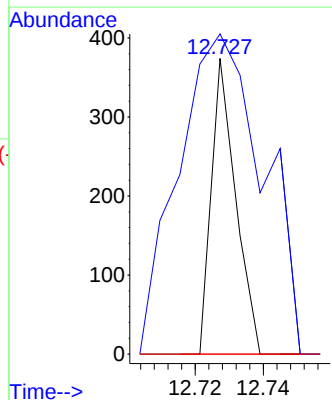
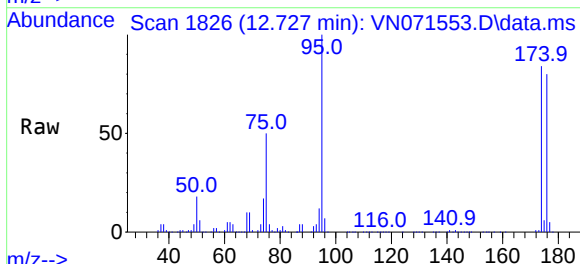
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

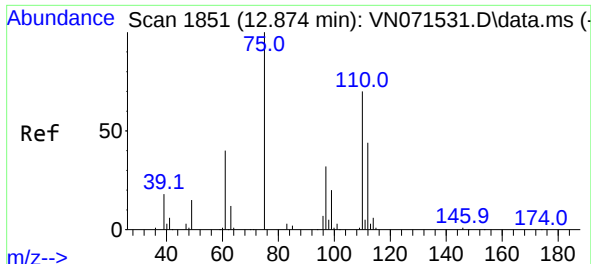
Tgt Ion:152 Resp: 482191
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 156.8 0.0 356.2



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.095 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Tgt Ion: 83 Resp: 185
Ion Ratio Lower Upper
83 100
131 378.9 5.3 15.9#
85 0.0 32.3 96.9#

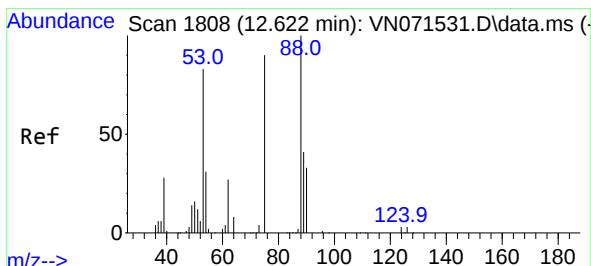
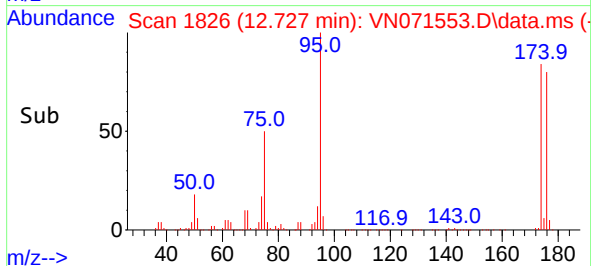
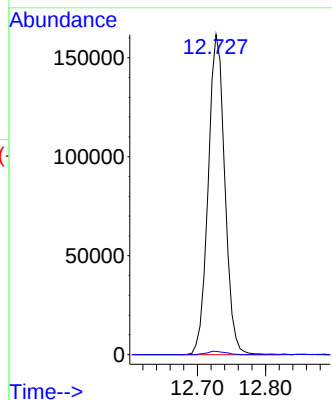
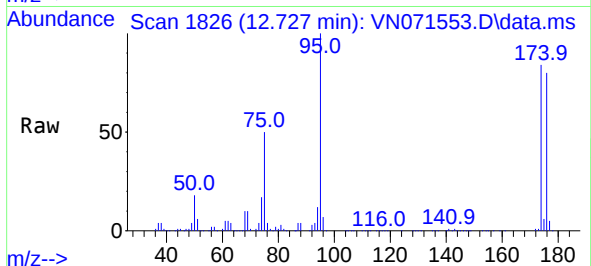




#76
1,2,3-Trichloropropane
Concen: 25.552 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

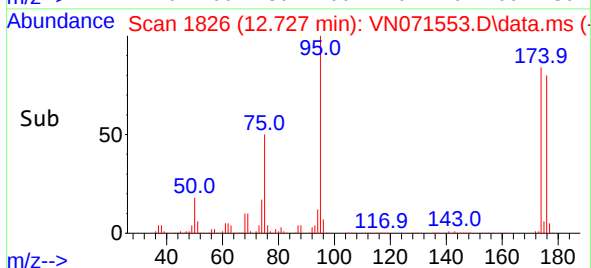
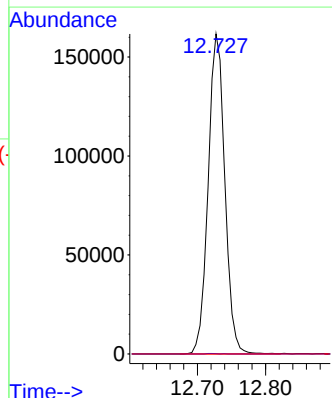
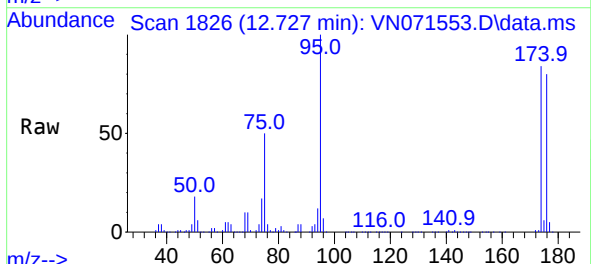
Instrument :
MSVOA_N
ClientSampleId :
WC-20220321

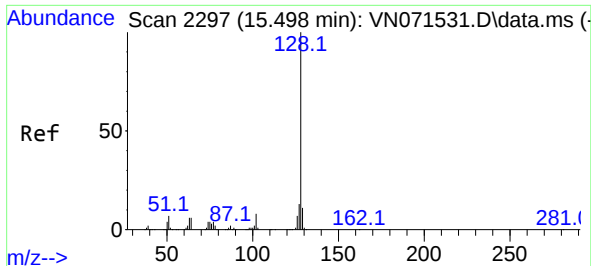
Tgt Ion: 75 Resp: 274739
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.409 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

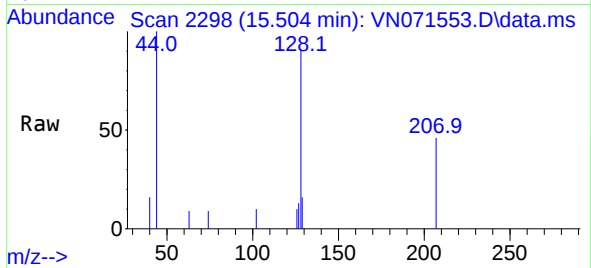
Tgt Ion: 75 Resp: 274739
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.327 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071553.D
Acq: 25 Mar 2022 17:30

Instrument :
MSVOA_N
ClientSampleId :
WC-20220321



Tgt Ion:	128	Resp:	2940
Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.3	15.5
129	6.8	8.6	13.0

