

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072666.D
 Acq On : 06 Jun 2022 16:24
 Operator : JC\MD
 Sample : VN0606WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBL01

Quant Time: Jun 07 06:27:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

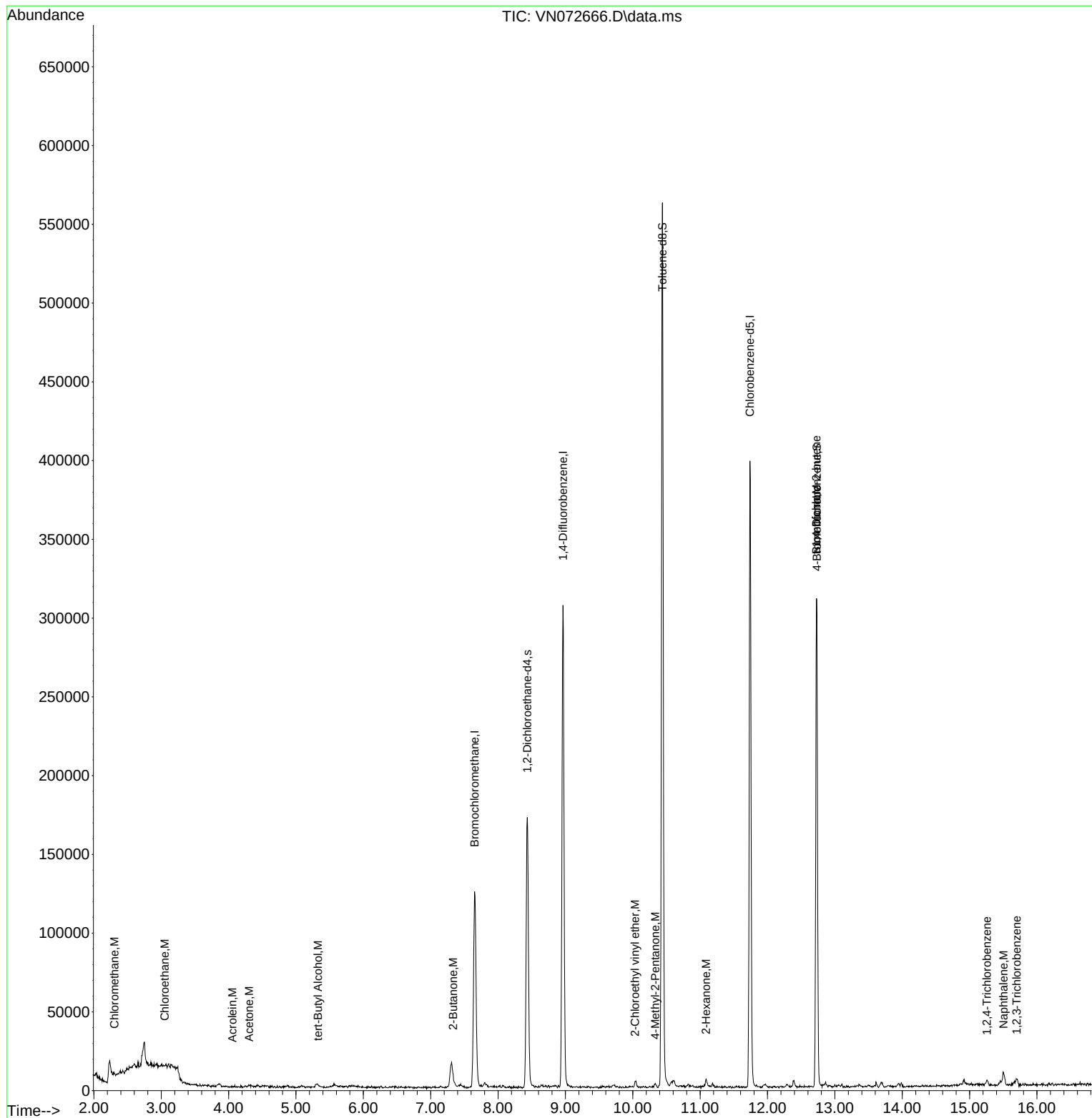
Internal Standards						
1) Bromochloromethane	7.651	128	41549	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	255057	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	218149	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	148043	31.242	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.133%	
60) 4-Bromofluorobenzene	12.733	95	113379	25.269	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 84.233%	
63) Toluene-d8	10.439	98	371737	30.762	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.533%	
Target Compounds						
						Qvalue
3) Chloromethane	2.305	50	961	0.284	ug/l	95
6) Chloroethane	3.052	64	695	0.342	ug/l	97
13) Acrolein	4.057	56	190	0.383	ug/l #	76
15) Acetone	4.304	58	185	0.296	ug/l #	1
23) tert-Butyl Alcohol	5.328	59	1005	0.935	ug/l #	100
30) 2-Butanone	7.334	43	3114	0.885	ug/l #	69
55) 2-Chloroethyl vinyl ether	10.034	63	967	0.355	ug/l #	48
56) Bromoform	12.727	173	754	0.256	ug/l #	1
58) 4-Methyl-2-Pentanone	10.334	43	1619	0.247	ug/l #	83
59) 2-Hexanone	11.086	43	4475	0.902	ug/l #	93
77) t-1,4-Dichloro-2-butene	12.727	75	66314	32.256	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.257	180	617	0.211	ug/l #	26
91) Naphthalene	15.504	128	3287	0.281	ug/l #	74
92) 1,2,3-Trichlorobenzene	15.698	180	1998	0.670	ug/l	72

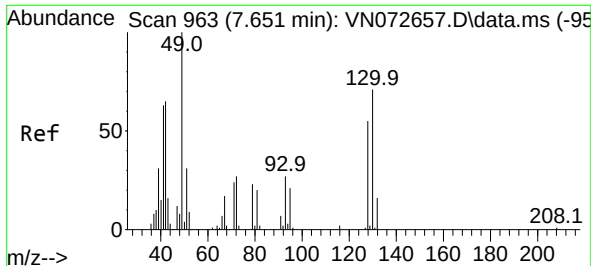
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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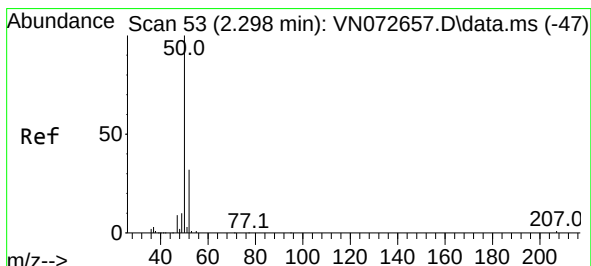
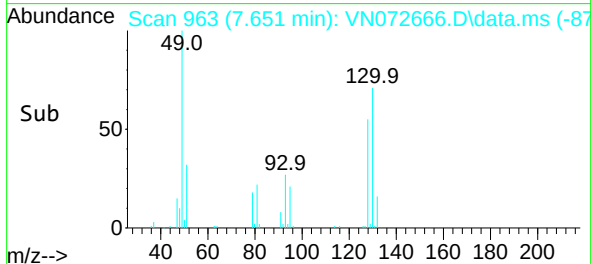
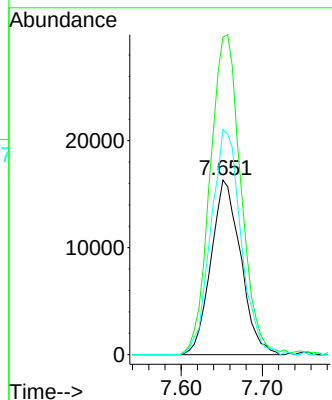
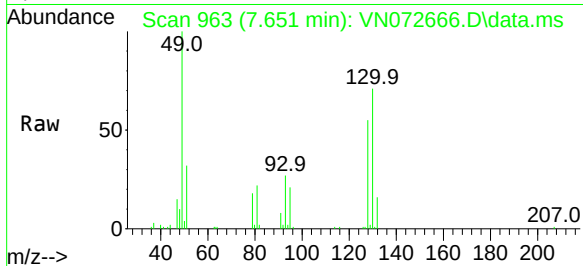




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

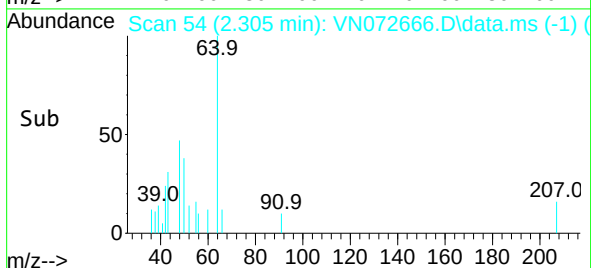
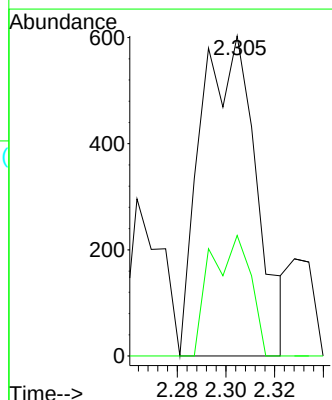
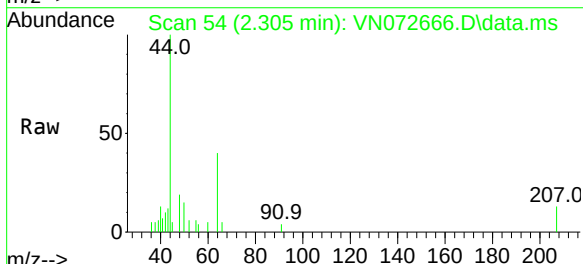
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

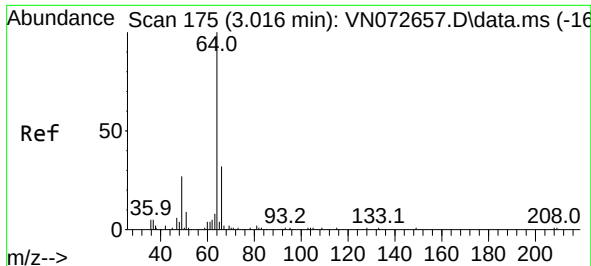
Tgt Ion:128 Resp: 41549
Ion Ratio Lower Upper
128 100
49 189.1 0.0 392.3
130 130.1 0.0 320.2



#3
Chloromethane
Concen: 0.284 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

Tgt Ion: 50 Resp: 961
Ion Ratio Lower Upper
50 100
52 37.6 27.8 41.6

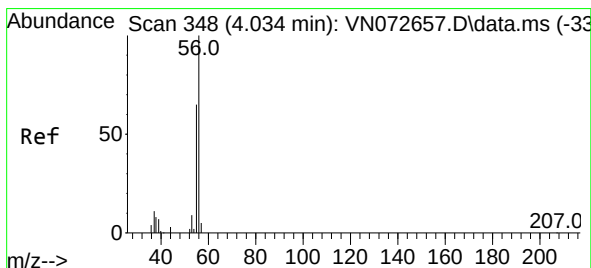
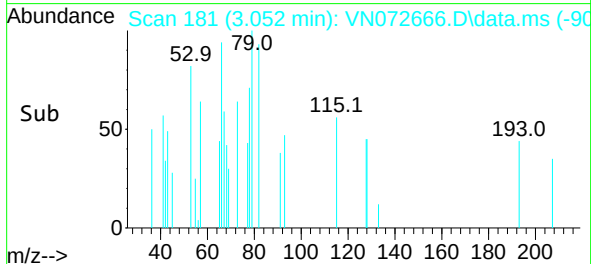
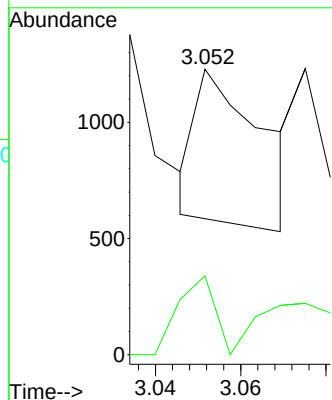
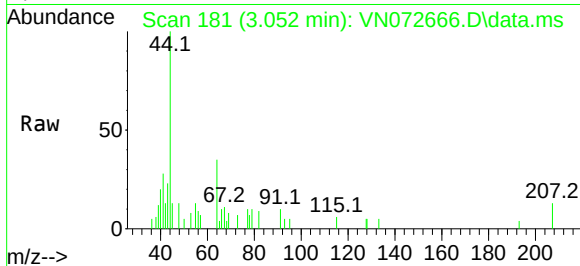




#6
Chloroethane
Concen: 0.342 ug/l
RT: 3.052 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

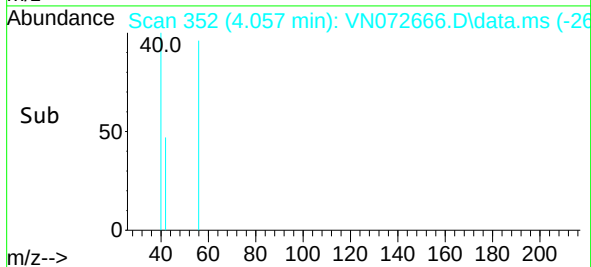
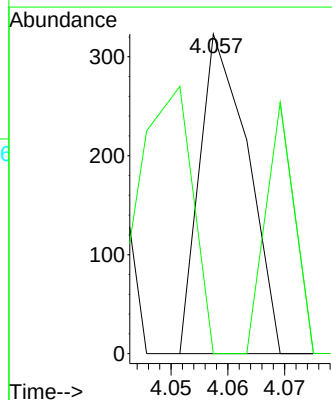
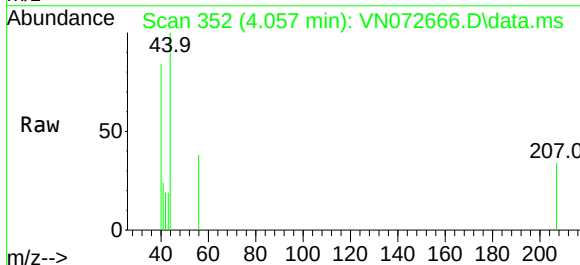
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

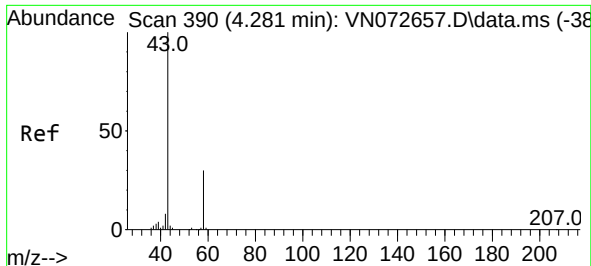
Tgt Ion: 64 Resp: 695
Ion Ratio Lower Upper
64 100
66 29.1 24.6 36.8



#13
Acrolein
Concen: 0.383 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.024 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 92.1 57.6 86.4#





#15

Acetone

Concen: 0.296 ug/l

RT: 4.304 min Scan# 394

Delta R.T. 0.024 min

Lab File: VN072666.D

Acq: 06 Jun 2022 16:24

Instrument :

MSVOA_N

ClientSampleId :

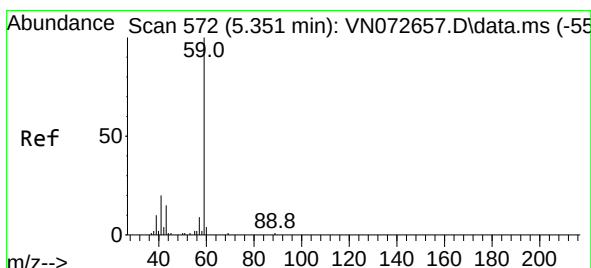
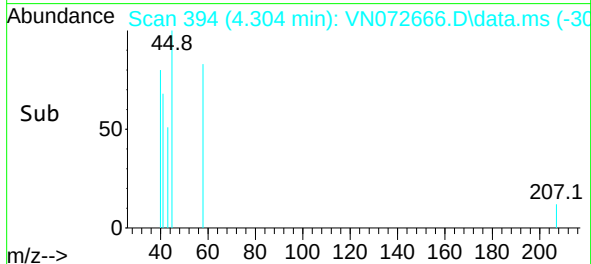
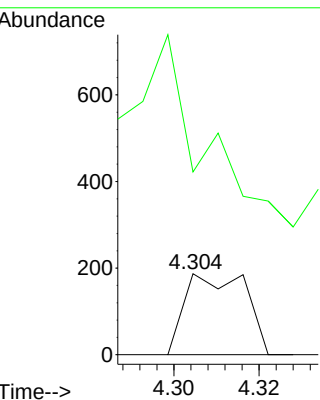
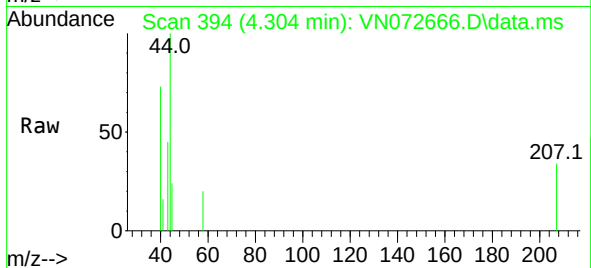
VN0606WBL01

Tgt Ion: 58 Resp: 185

Ion Ratio Lower Upper

58 100

43 35.8 256.6 384.8#



#23

tert-Butyl Alcohol

Concen: 0.935 ug/l

RT: 5.328 min Scan# 568

Delta R.T. -0.023 min

Lab File: VN072666.D

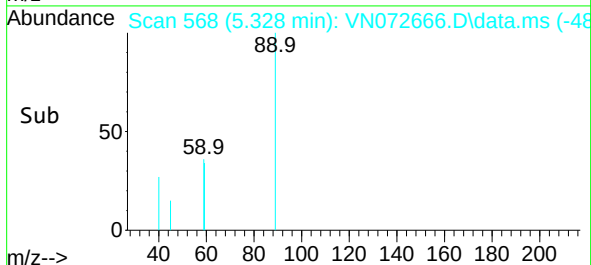
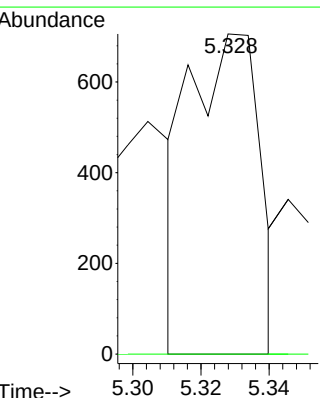
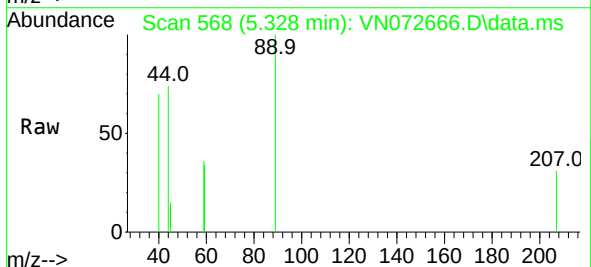
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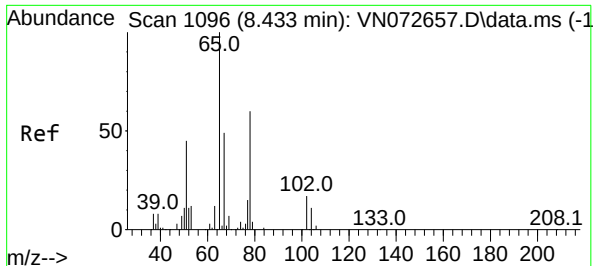
Tgt Ion: 59 Resp: 1005

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.242 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072666.D

Acq: 06 Jun 2022 16:24

Instrument :

MSVOA_N

ClientSampleId :

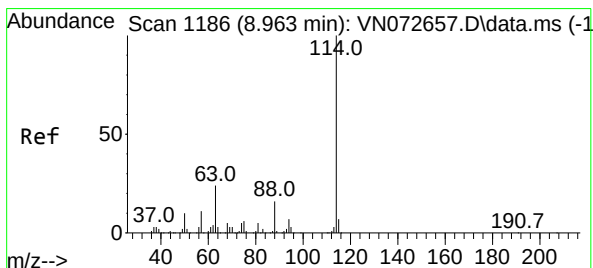
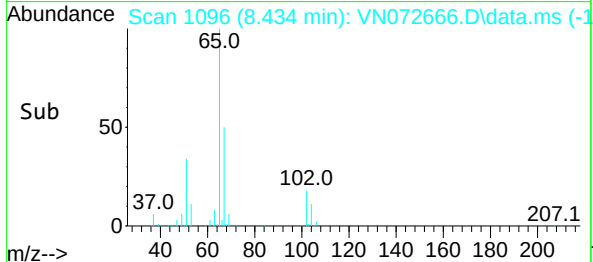
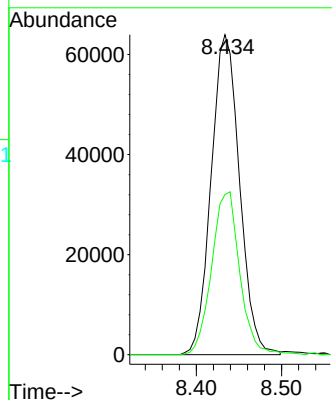
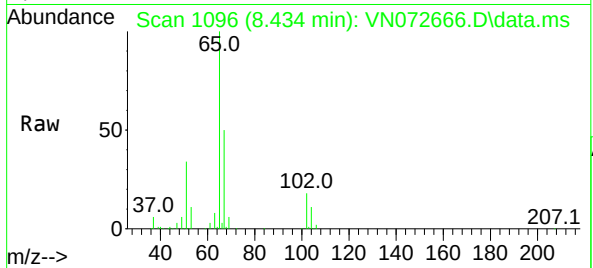
VN0606WBL01

Tgt Ion: 65 Resp: 148043

Ion Ratio Lower Upper

65 100

67 50.4 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072666.D

Acq: 06 Jun 2022 16:24

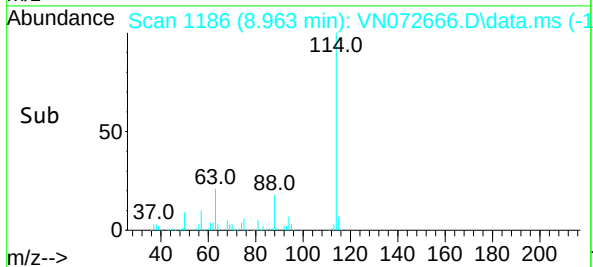
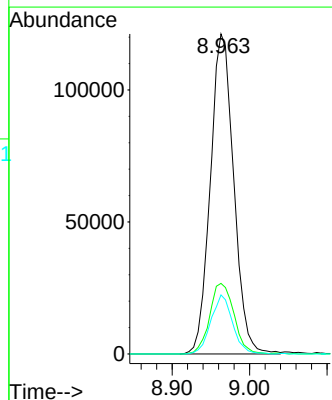
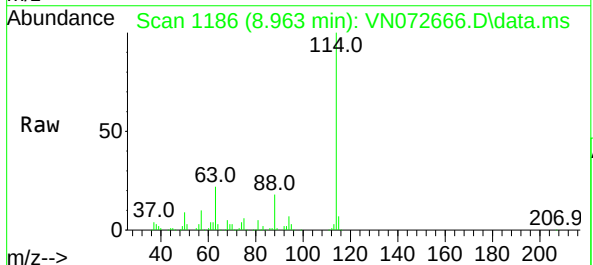
Tgt Ion: 114 Resp: 255057

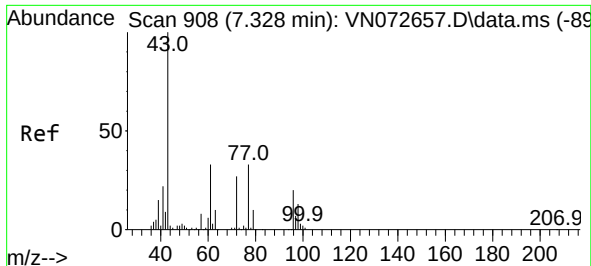
Ion Ratio Lower Upper

114 100

63 22.9 15.8 23.6

88 17.1 11.6 17.4

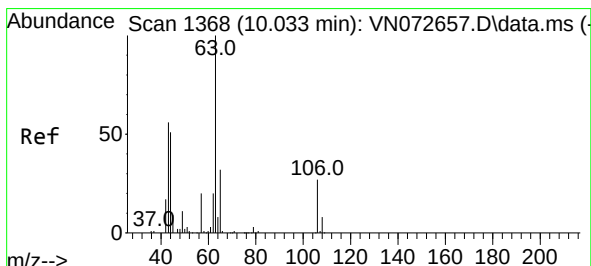
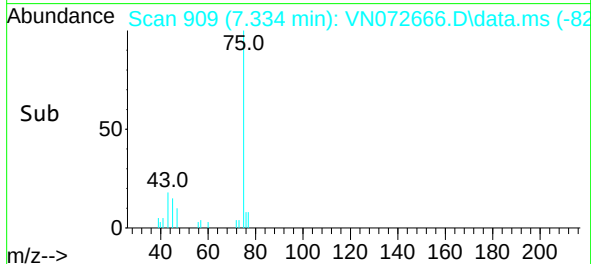
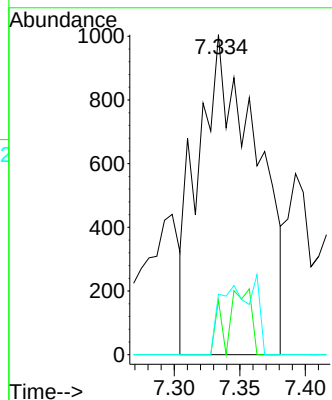
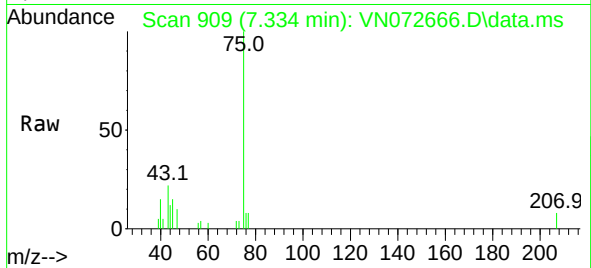




#30
2-Butanone
Concen: 0.885 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

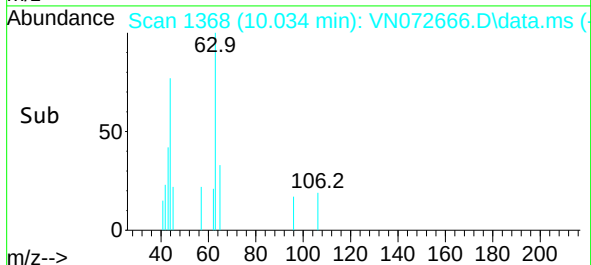
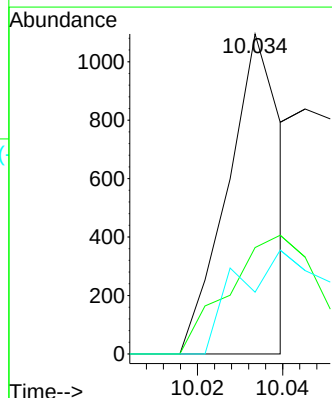
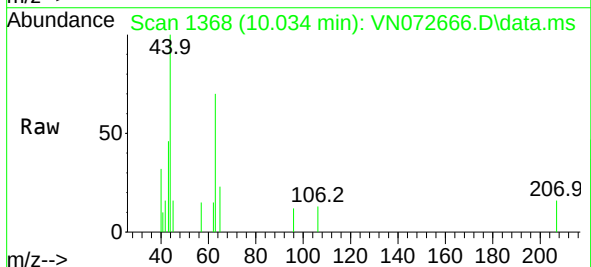
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

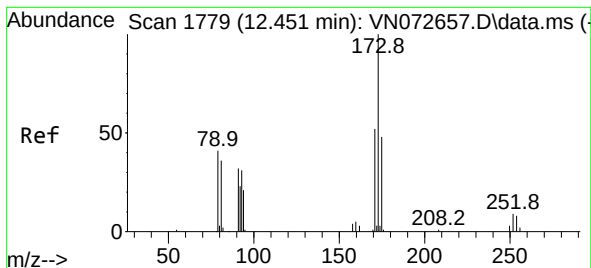
Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
57 1.9 6.7 10.1#
72 10.4 23.2 34.8#



#55
2-Chloroethyl vinyl ether
Concen: 0.355 ug/l
RT: 10.034 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

Tgt Ion: 63 Resp: 967
Ion Ratio Lower Upper
63 100
65 66.4 25.4 38.0#
106 50.8 23.2 34.8#





#56

Bromoform

Concen: 0.256 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.277 min

Lab File: VN072666.D

Acq: 06 Jun 2022 16:24

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBL01

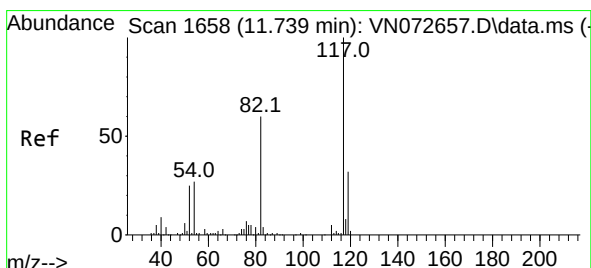
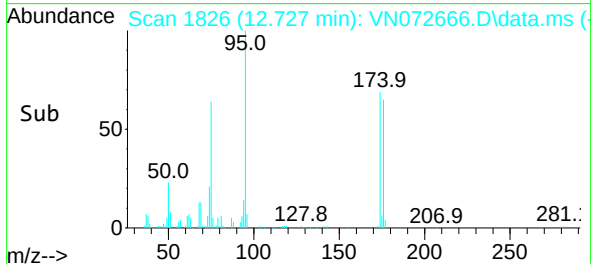
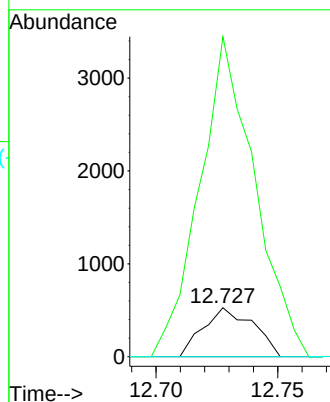
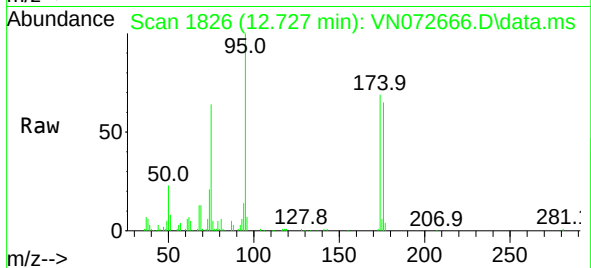
Tgt Ion:173 Resp: 754

Ion Ratio Lower Upper

173 100

175 718.3 38.6 58.0#

254 0.0 0.0 0.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VN072666.D

Acq: 06 Jun 2022 16:24

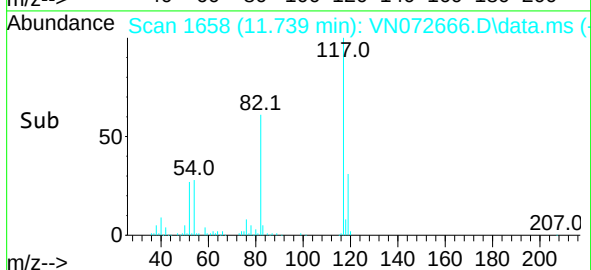
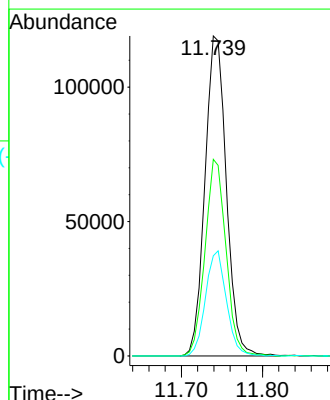
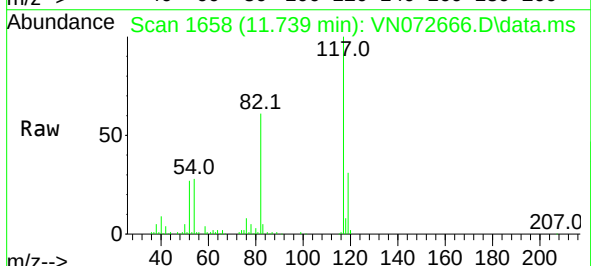
Tgt Ion:117 Resp: 218149

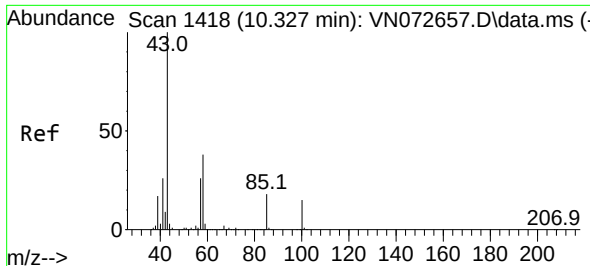
Ion Ratio Lower Upper

117 100

82 60.2 43.6 65.4

119 32.0 25.8 38.6

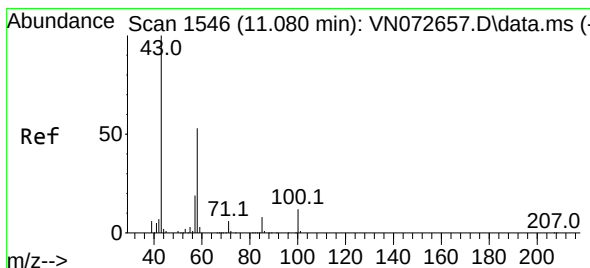
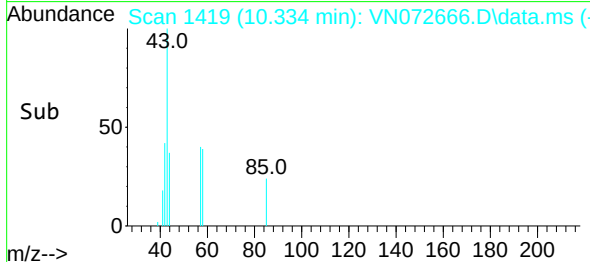
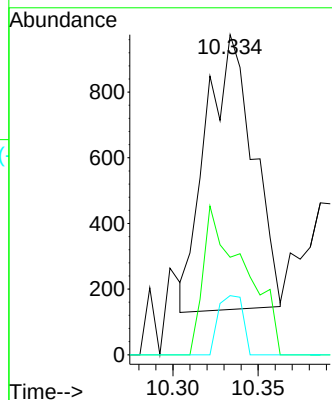
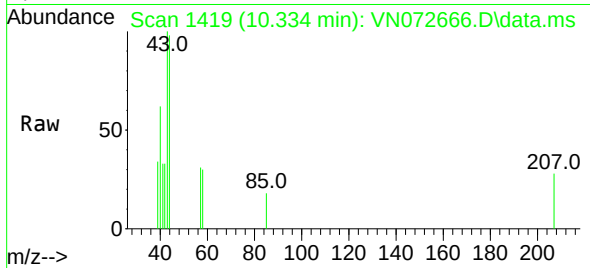




#58
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 10.334 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

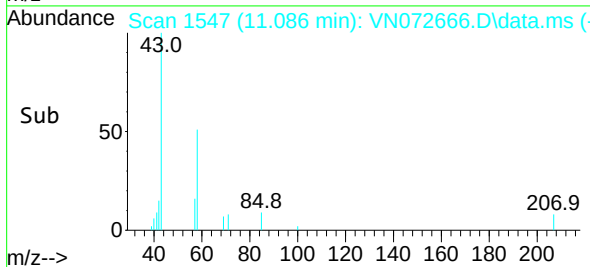
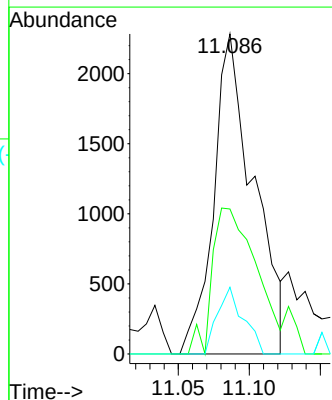
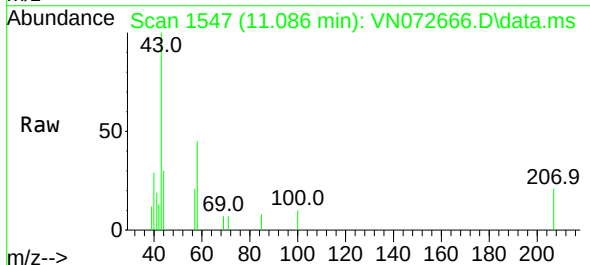
Instrument :
MSVOA_N
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VN0606WBL01

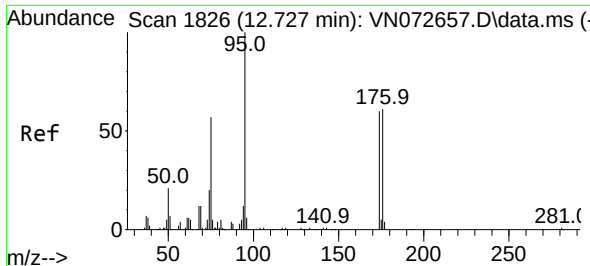
Tgt Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
58 27.4 30.0 45.0#
85 11.1 15.0 22.6#



#59
2-Hexanone
Concen: 0.902 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

Tgt Ion: 43 Resp: 4475
Ion Ratio Lower Upper
43 100
58 48.6 42.2 63.2
57 13.5 15.0 22.4#

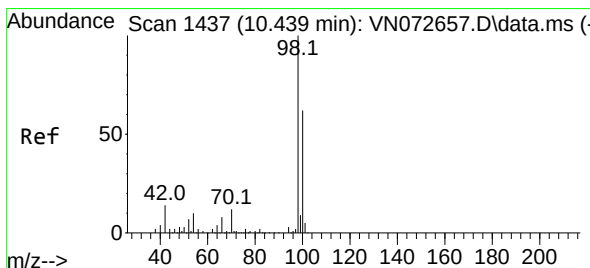
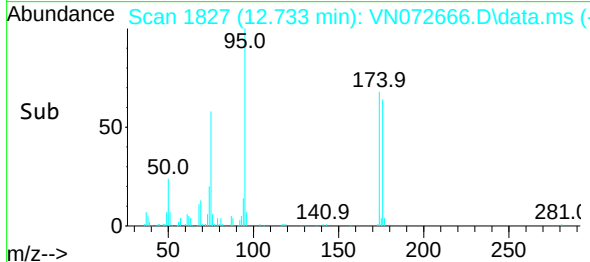
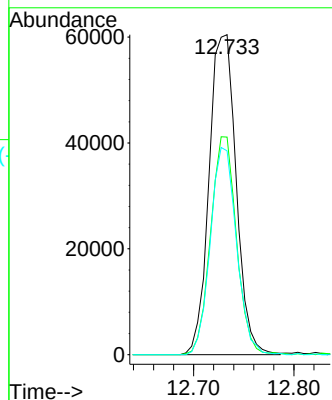
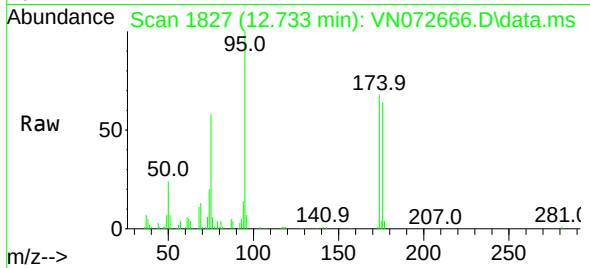




#60
4-Bromofluorobenzene
Concen: 25.269 ug/l
RT: 12.733 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

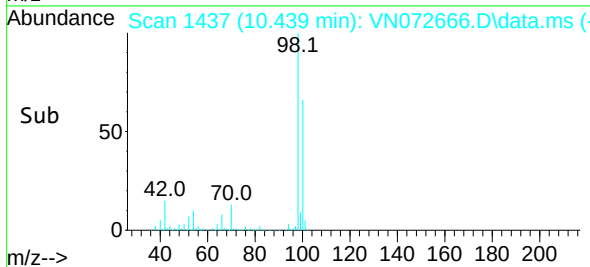
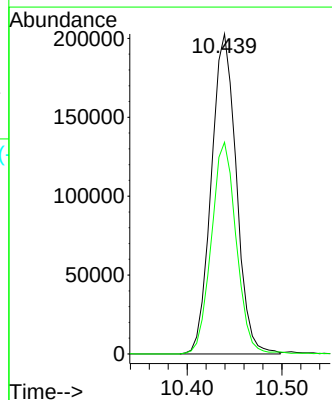
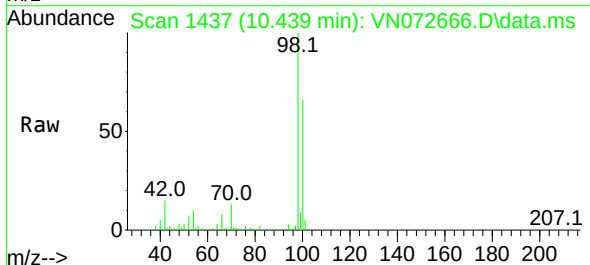
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

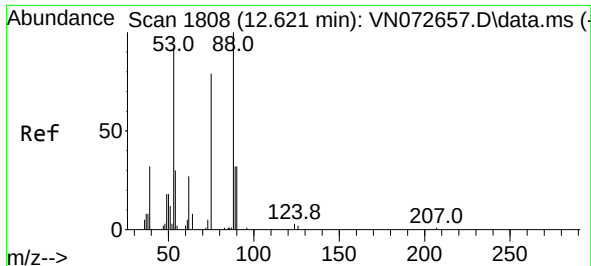
Tgt Ion: 95 Resp: 113379
Ion Ratio Lower Upper
95 100
174 64.8 62.9 94.3
176 62.5 61.0 91.4



#63
Toluene-d8
Concen: 30.762 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

Tgt Ion: 98 Resp: 371737
Ion Ratio Lower Upper
98 100
100 65.6 50.6 76.0

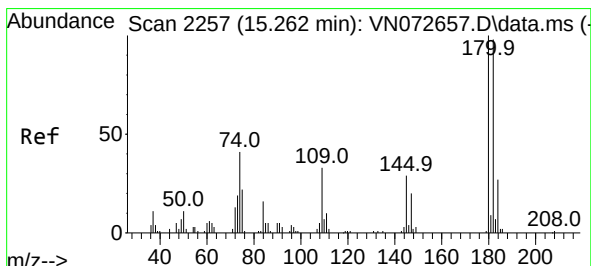
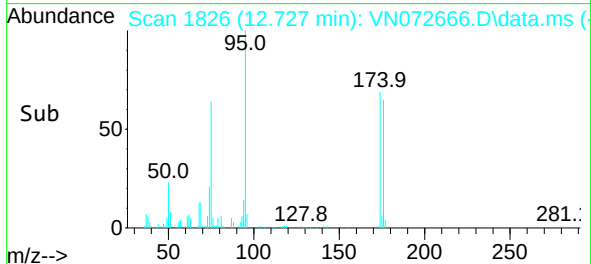
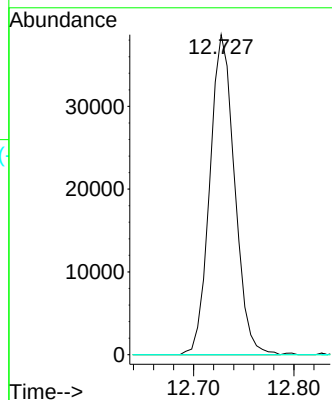
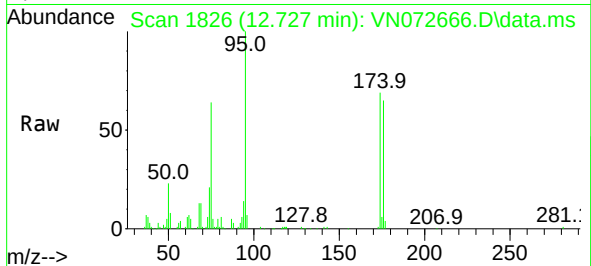




#77
t-1,4-Dichloro-2-butene
Concen: 32.256 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

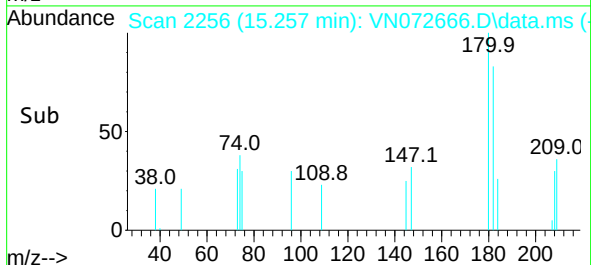
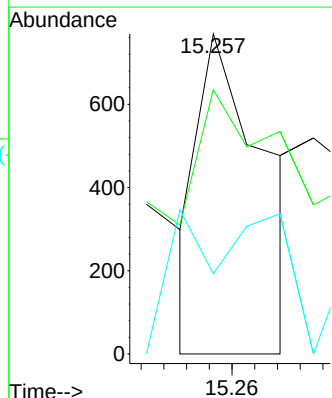
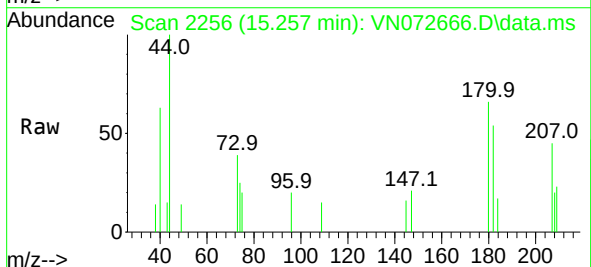
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

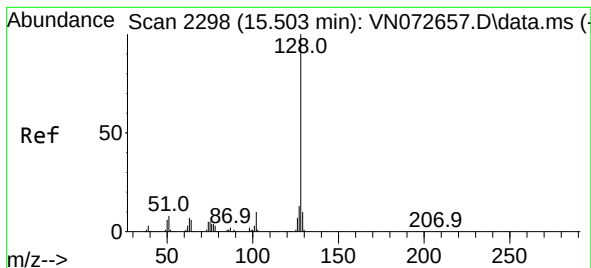
Tgt Ion: 75 Resp: 66314
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.211 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.006 min
Lab File: VN072666.D
Acq: 06 Jun 2022 16:24

Tgt Ion: 180 Resp: 617
Ion Ratio Lower Upper
180 100
182 192.7 77.7 116.5#
145 30.8 26.6 39.8





#91

Naphthalene

Concen: 0.281 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VN072666.D

Acq: 06 Jun 2022 16:24

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBL01

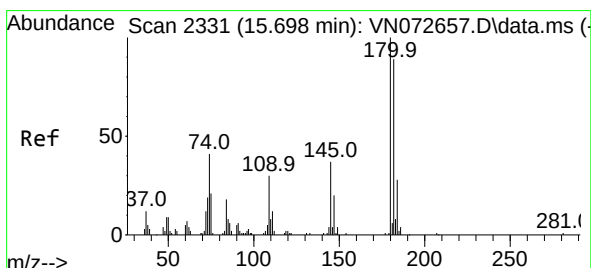
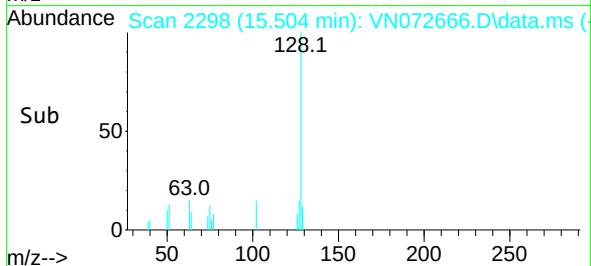
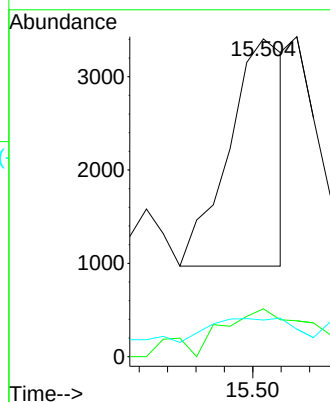
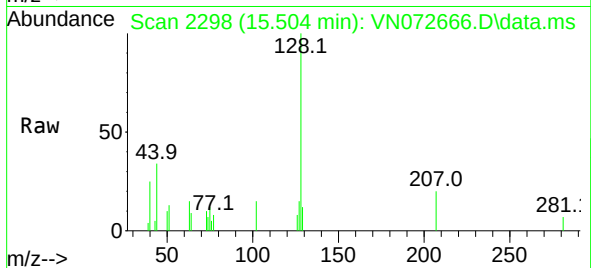
Tgt Ion:128 Resp: 3287

Ion Ratio Lower Upper

128 100

127 25.7 10.7 16.1#

129 19.4 9.0 13.6#



#92

1,2,3-Trichlorobenzene

Concen: 0.670 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.000 min

Lab File: VN072666.D

Acq: 06 Jun 2022 16:24

Tgt Ion:180 Resp: 1998

Ion Ratio Lower Upper

180 100

182 71.7 0.0 190.0

145 10.6 0.0 67.8

