

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072010.D
 Acq On : 15 Apr 2022 18:50
 Operator : JC\MD
 Sample : N2441-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-041-IDWGW-20220413

Quant Time: Apr 15 23:29:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

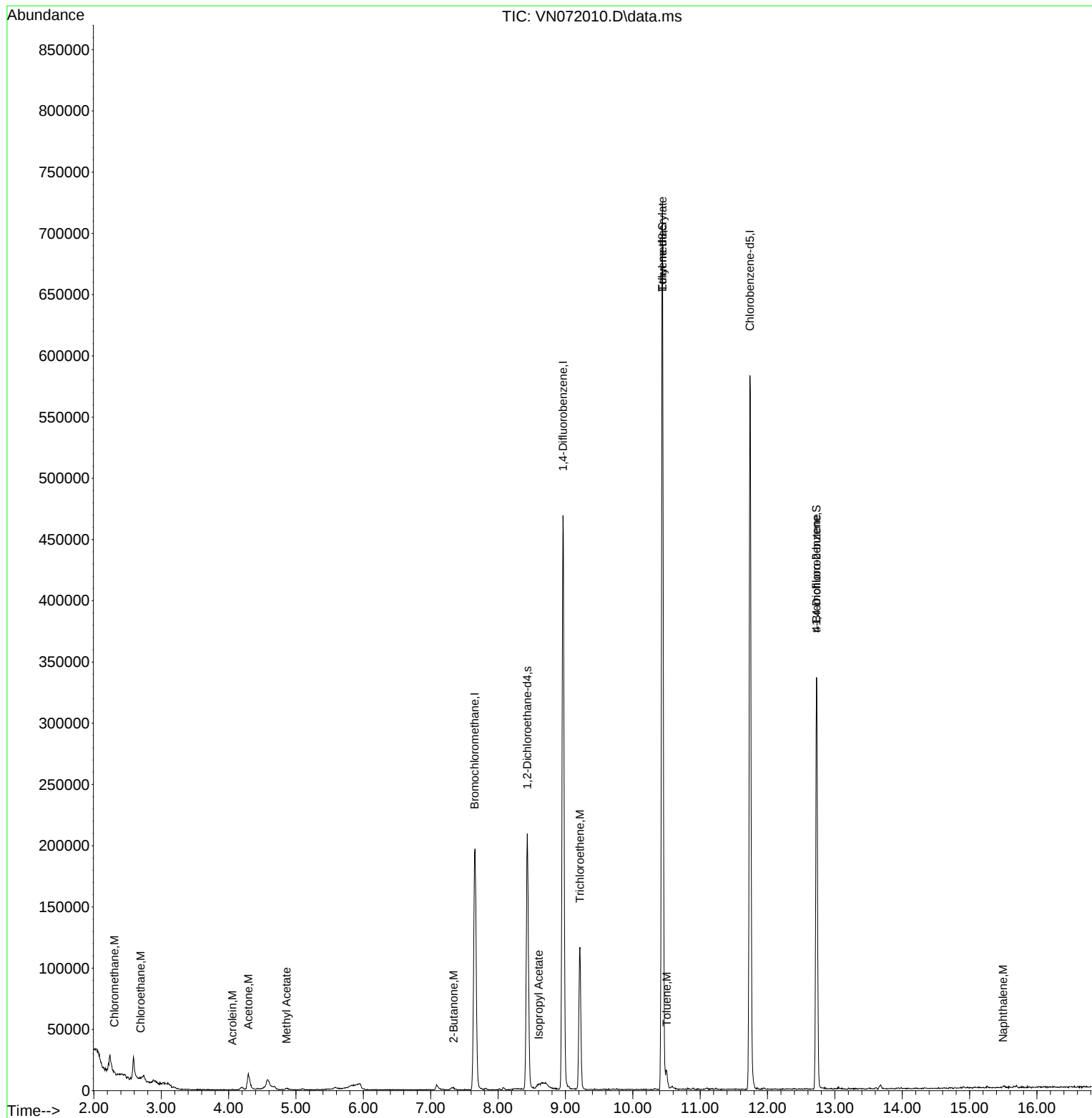
Internal Standards						
1) Bromochloromethane	7.651	128	83299	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	444640	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	378239	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	169636	28.904	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.333%
60) 4-Bromofluorobenzene	12.727	95	125811	22.433	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.767%
63) Toluene-d8	10.439	98	522075	30.406	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1355	0.222	ug/l	89
6) Chloroethane	2.693	64	899	0.200	ug/l	89
12) Methyl Acetate	4.857	43	1680	0.247	ug/l	98
13) Acrolein	4.057	56	275	0.380	ug/l #	14
15) Acetone	4.293	58	9048	10.207	ug/l #	56
30) 2-Butanone	7.339	43	1115	0.278	ug/l #	93
37) Trichloroethene	9.216	130	46138	7.997	ug/l	95
44) Isopropyl Acetate	8.604	43	2538	0.204	ug/l #	50
51) Ethyl methacrylate	10.439	69	1856	0.212	ug/l #	63
62) Toluene	10.504	91	9590	0.418	ug/l	97
77) t-1,4-Dichloro-2-butene	12.727	75	58840	24.778	ug/l #	8
91) Naphthalene	15.498	128	1330	6.956	ug/l #	74

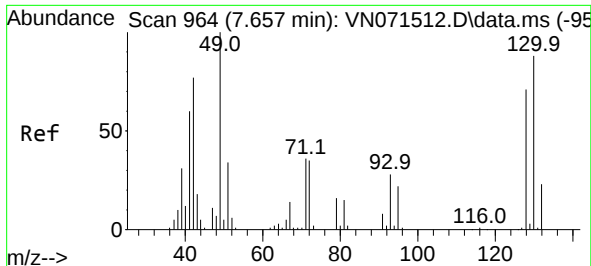
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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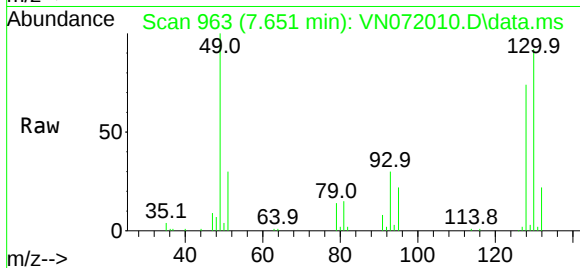
Quant Time: Apr 15 23:29:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
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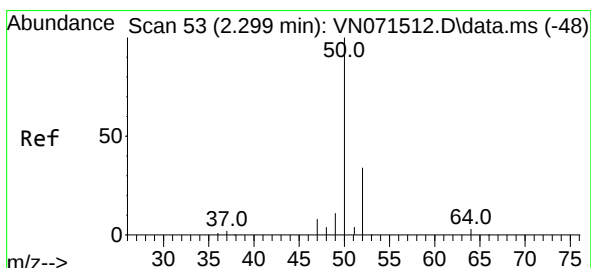
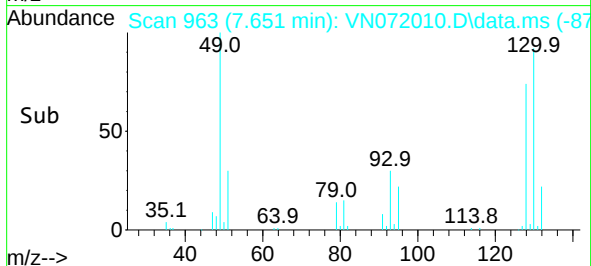
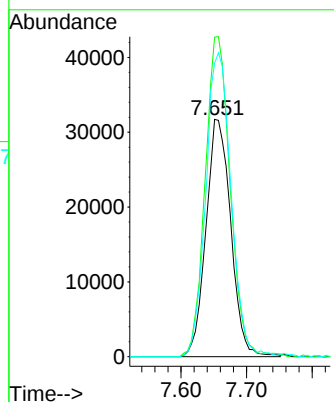


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. -0.006 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

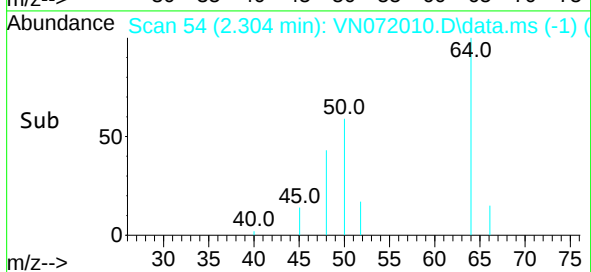
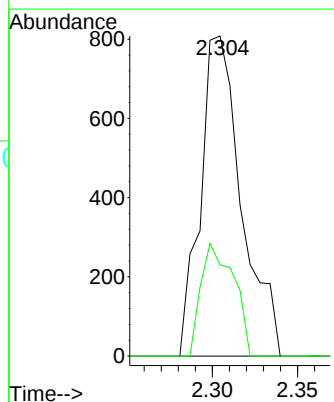
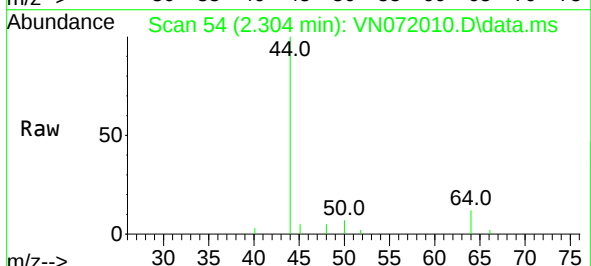


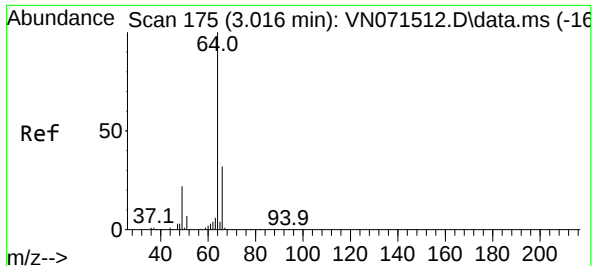
Tgt Ion:128 Resp: 83299
Ion Ratio Lower Upper
128 100
49 135.1 0.0 392.3
130 130.9 0.0 320.2



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Tgt Ion: 50 Resp: 1355
Ion Ratio Lower Upper
50 100
52 28.5 27.8 41.6

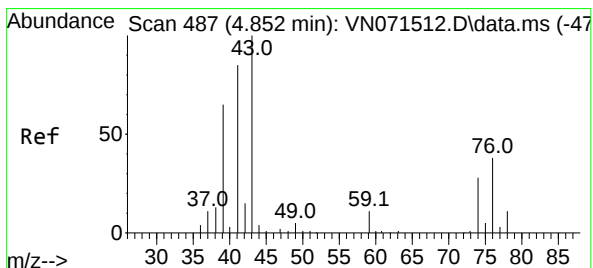
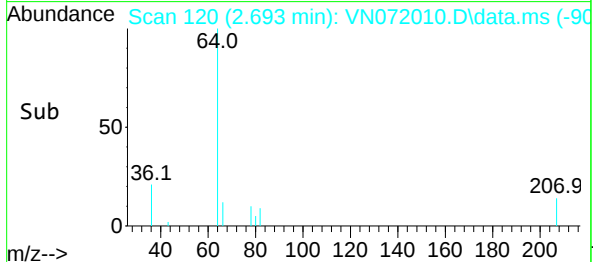
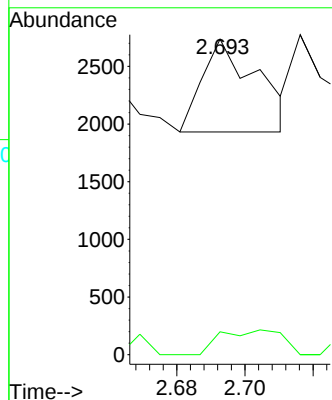
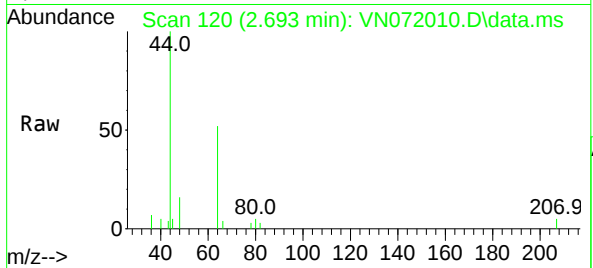




#6
Chloroethane
Concen: 0.200 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.324 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

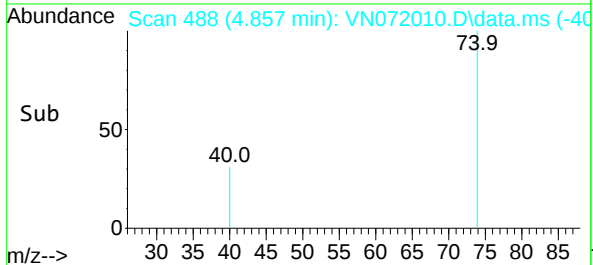
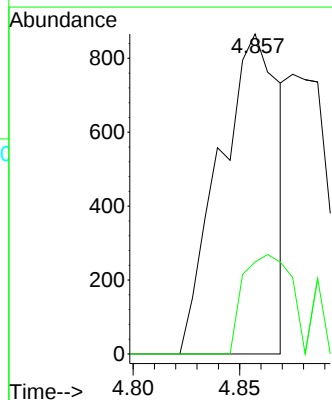
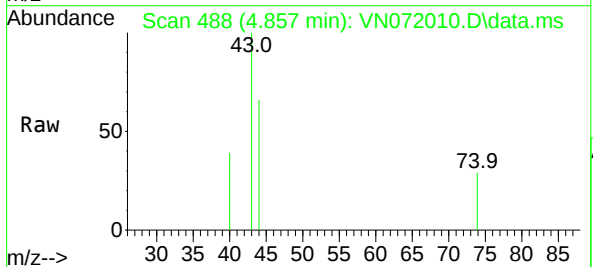
Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

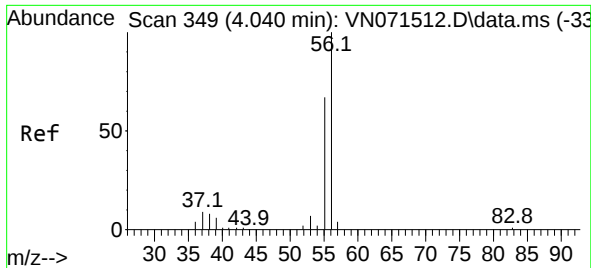
Tgt Ion: 64 Resp: 899
Ion Ratio Lower Upper
64 100
66 24.8 24.6 36.8



#12
Methyl Acetate
Concen: 0.247 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
74 24.9 20.8 31.2





#13

Acrolein

Concen: 0.380 ug/l

RT: 4.057 min Scan# 31

Delta R.T. 0.017 min

Lab File: VN072010.D

Acq: 15 Apr 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

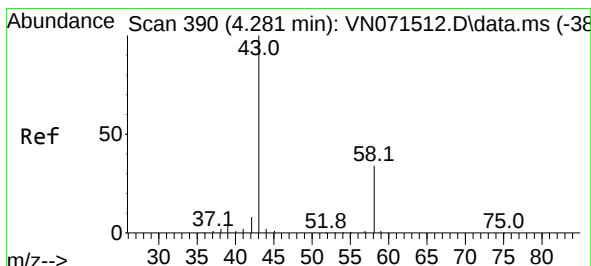
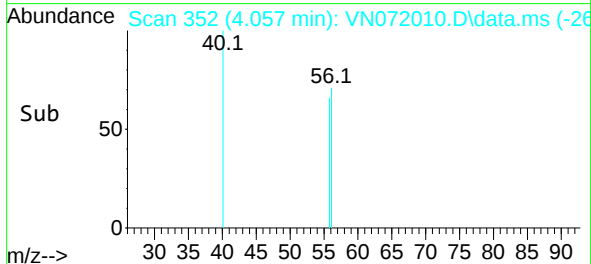
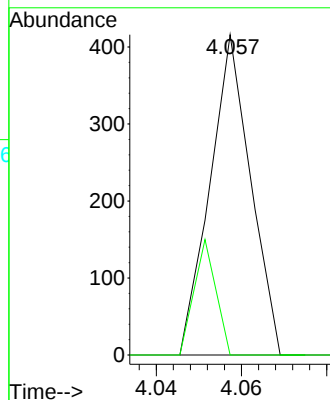
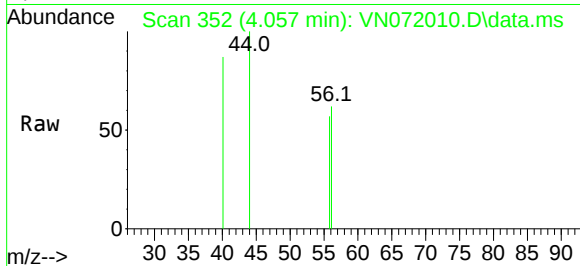
TT-041-IDWGW-20220413

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#15

Acetone

Concen: 10.207 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN072010.D

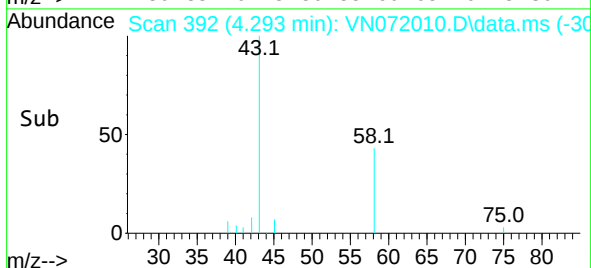
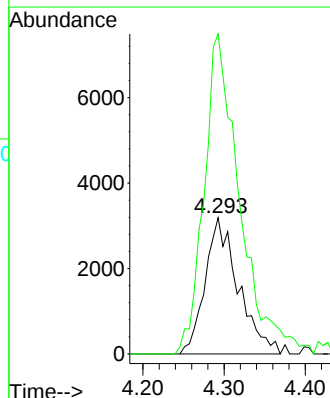
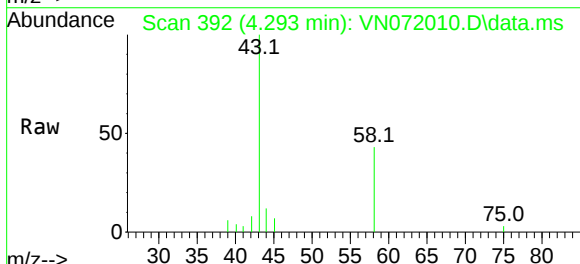
Acq: 15 Apr 2022 18:50

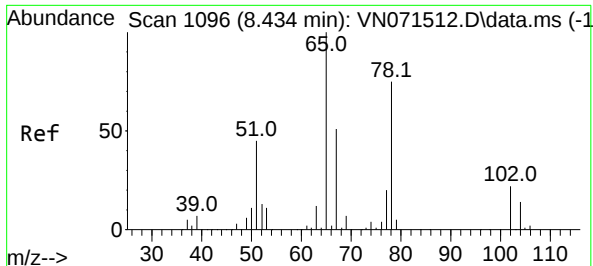
Tgt Ion: 58 Resp: 9048

Ion Ratio Lower Upper

58 100

43 229.9 256.6 384.8#





#27

1,2-Dichloroethane-d4

Concen: 28.904 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072010.D

Acq: 15 Apr 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

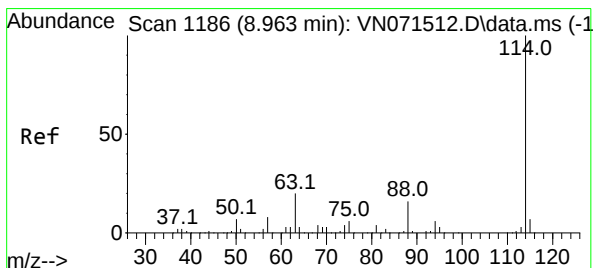
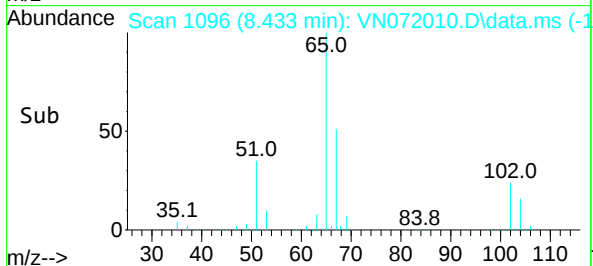
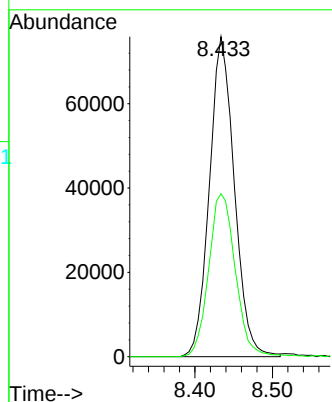
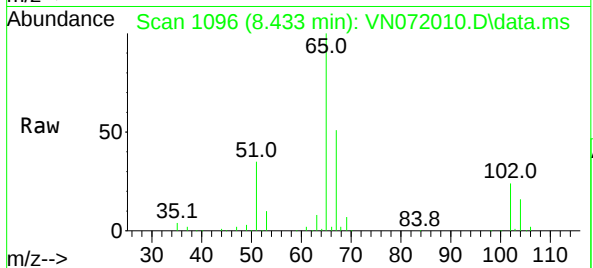
TT-041-IDWGW-20220413

Tgt Ion: 65 Resp: 169636

Ion Ratio Lower Upper

65 100

67 54.1 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: VN072010.D

Acq: 15 Apr 2022 18:50

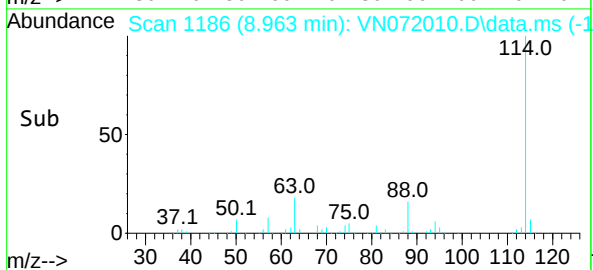
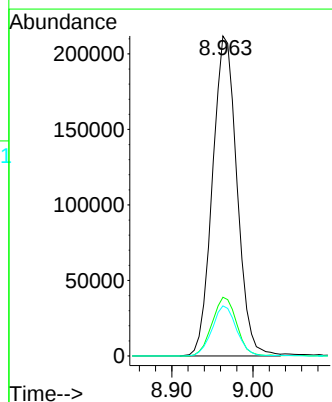
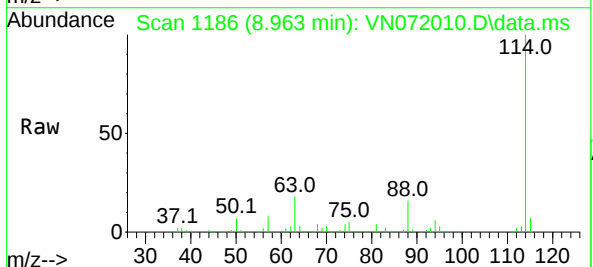
Tgt Ion: 114 Resp: 444640

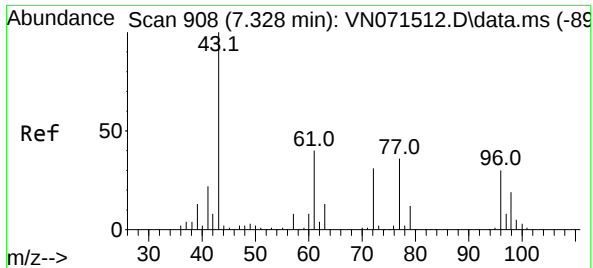
Ion Ratio Lower Upper

114 100

63 18.3 15.8 23.6

88 15.6 11.6 17.4

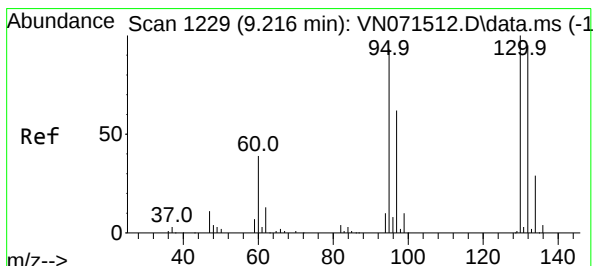
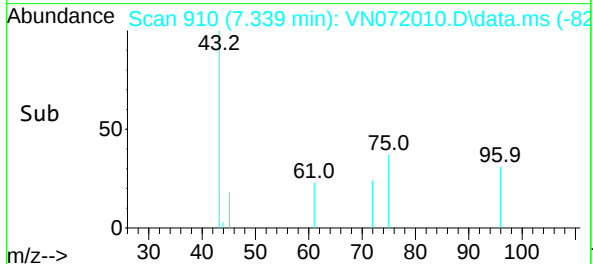
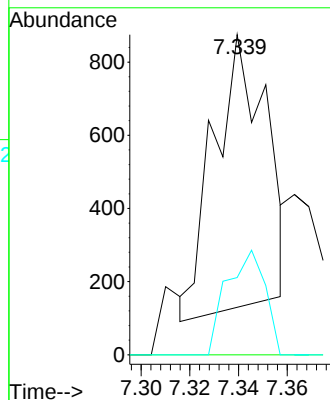
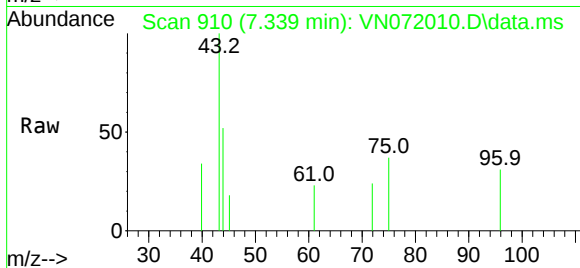




#30
2-Butanone
Concen: 0.278 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

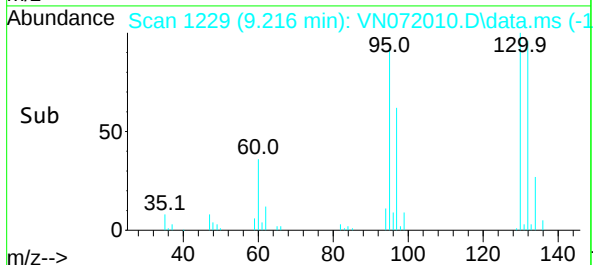
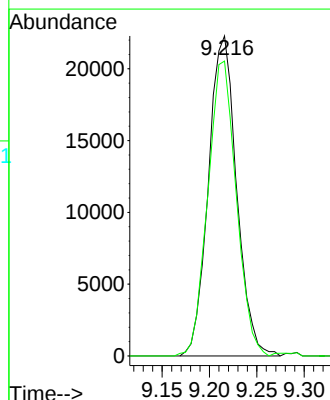
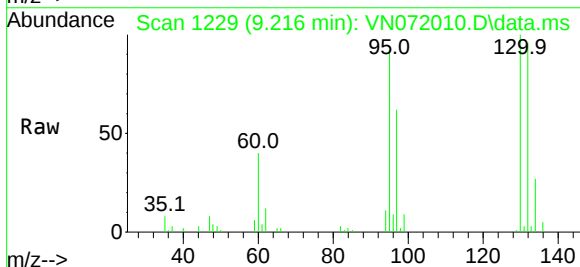
Instrument :
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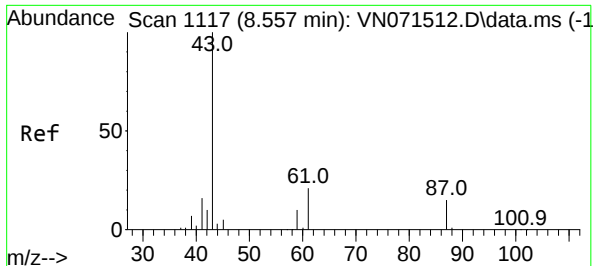
Tgt Ion: 43 Resp: 1115
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 28.1 23.2 34.8



#37
Trichloroethene
Concen: 7.997 ug/l
RT: 9.216 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Tgt Ion:130 Resp: 46138
Ion Ratio Lower Upper
130 100
95 91.4 76.6 115.0





#44

Isopropyl Acetate

Concen: 0.204 ug/l

RT: 8.604 min Scan# 1117

Delta R.T. 0.047 min

Lab File: VN072010.D

Acq: 15 Apr 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

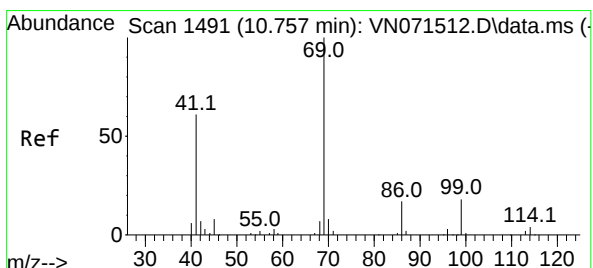
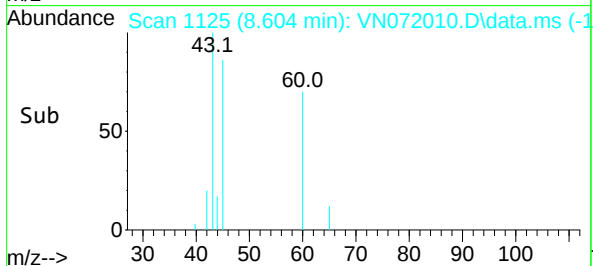
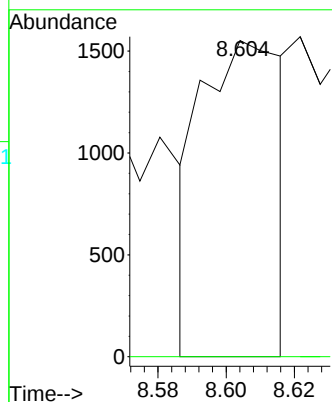
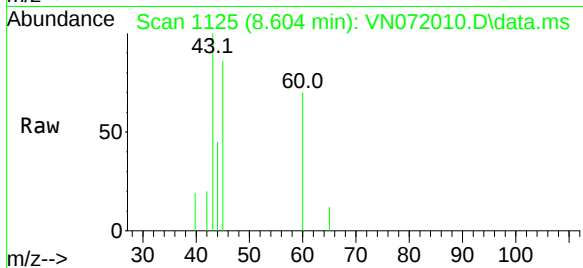
TT-041-IDWGW-20220413

Tgt Ion: 43 Resp: 2538

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#



#51

Ethyl methacrylate

Concen: 0.212 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. -0.318 min

Lab File: VN072010.D

Acq: 15 Apr 2022 18:50

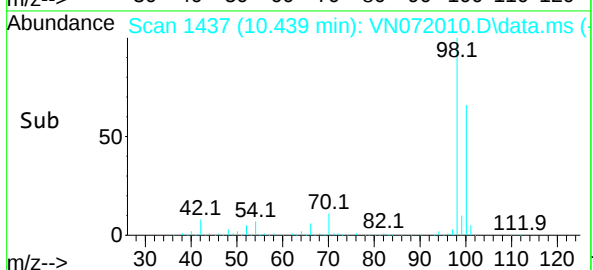
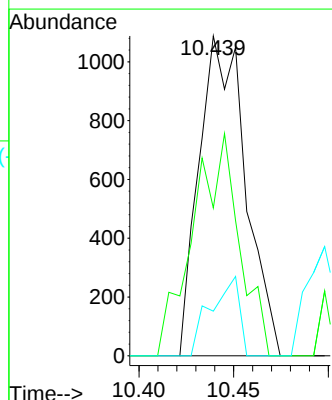
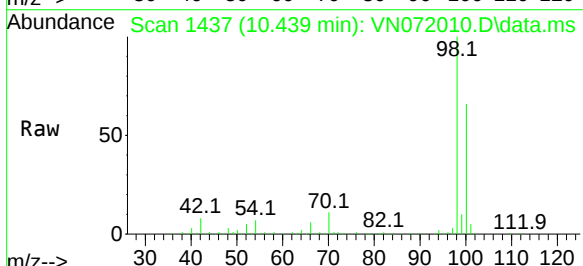
Tgt Ion: 69 Resp: 1856

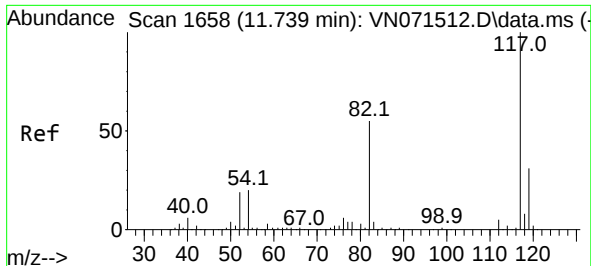
Ion Ratio Lower Upper

69 100

41 46.2 33.0 98.9

39 14.0 25.4 76.4#

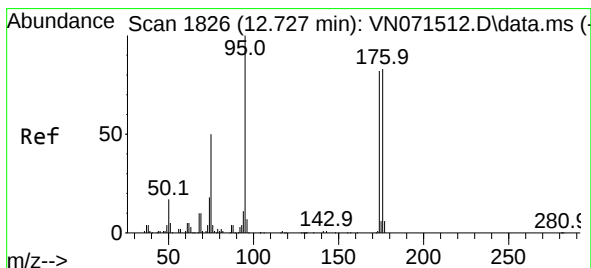
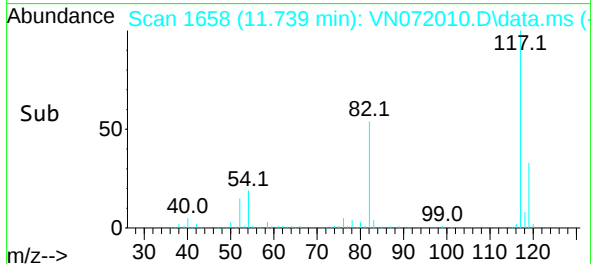
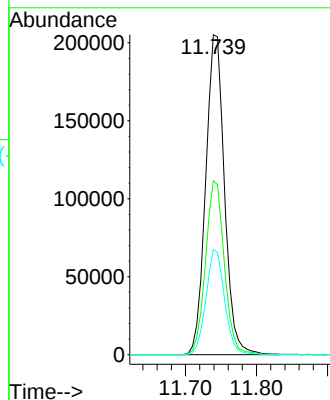
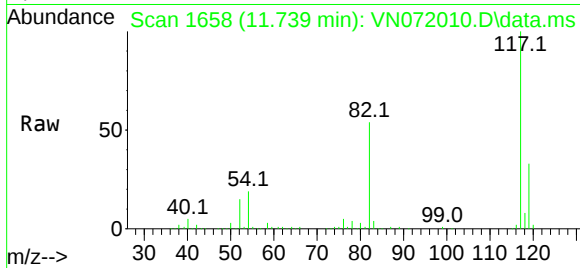




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

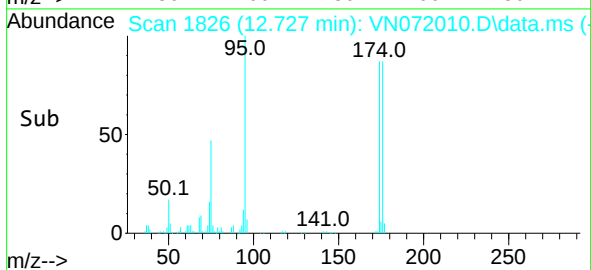
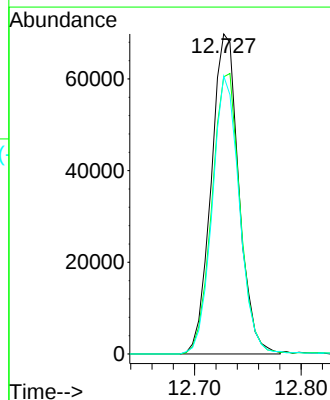
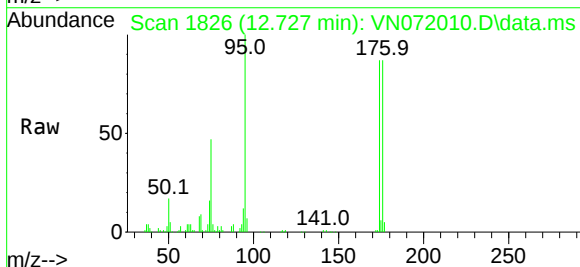
Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

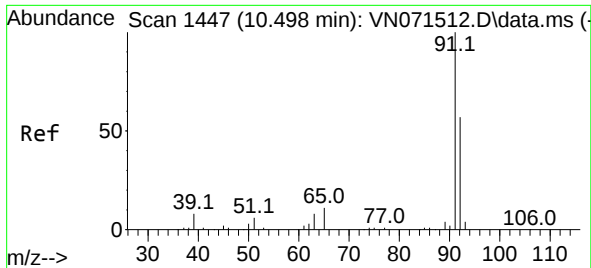
Tgt Ion:117 Resp: 378239
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.5 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 22.433 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Tgt Ion: 95 Resp: 125811
Ion Ratio Lower Upper
95 100
174 88.7 62.9 94.3
176 85.0 61.0 91.4

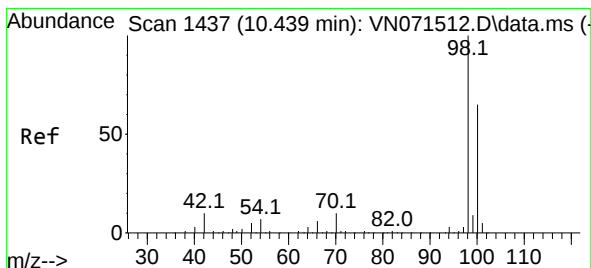
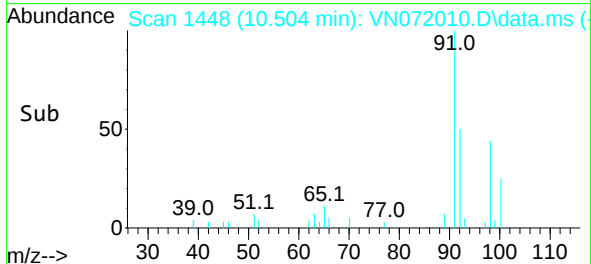
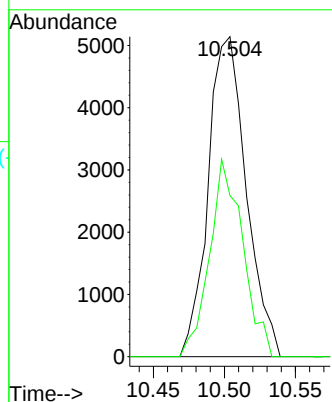
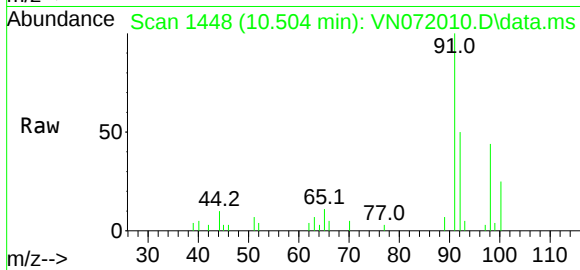




#62
Toluene
Concen: 0.418 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

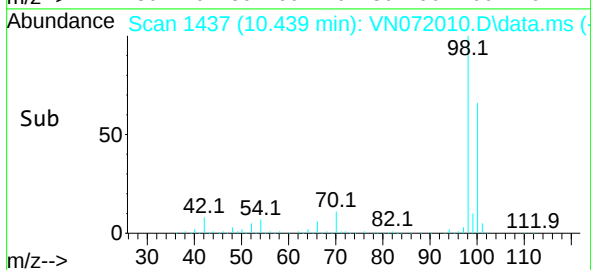
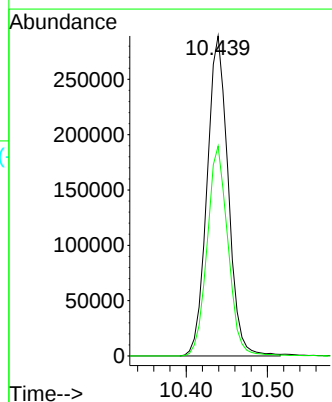
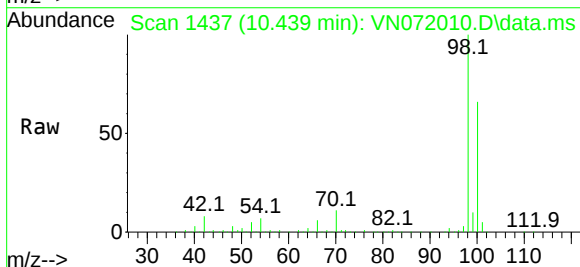
Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

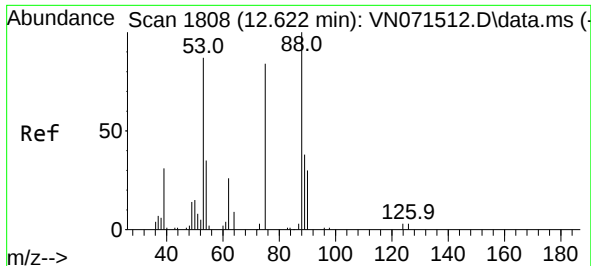
Tgt Ion: 91 Resp: 9590
Ion Ratio Lower Upper
91 100
92 53.7 44.6 67.0



#63
Toluene-d8
Concen: 30.406 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Tgt Ion: 98 Resp: 522075
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0

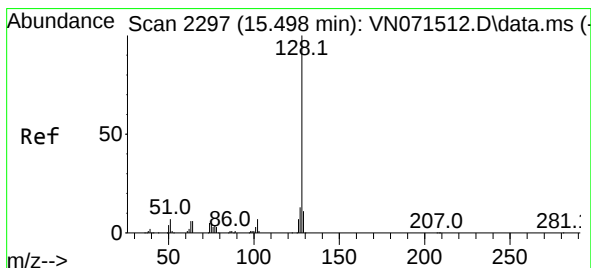
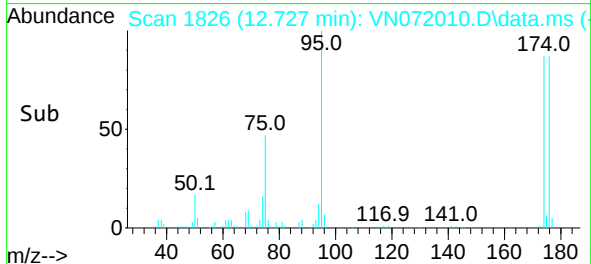
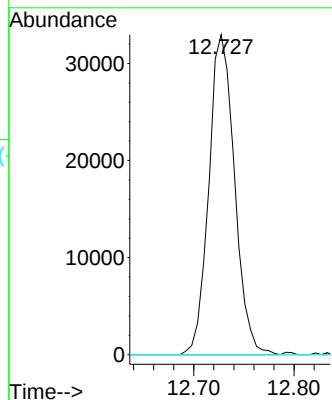
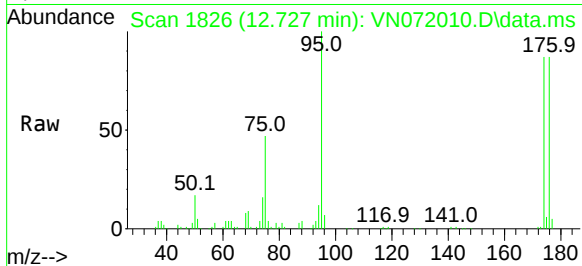




#77
t-1,4-Dichloro-2-butene
Concen: 24.778 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Instrument : MSVOA_N
ClientSampleId : TT-041-IDWGW-20220413

Tgt Ion: 75 Resp: 58840
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 6.956 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072010.D
Acq: 15 Apr 2022 18:50

Tgt Ion: 128 Resp: 1330
Ion Ratio Lower Upper
128 100
127 4.2 10.7 16.1#
129 0.0 9.0 13.6#

