

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072519.D
 Acq On : 16 May 2022 22:34
 Operator : JC\MD
 Sample : N2833-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP03

Quant Time: May 17 07:21:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 17 06:34:50 2022
 Response via : Initial Calibration

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

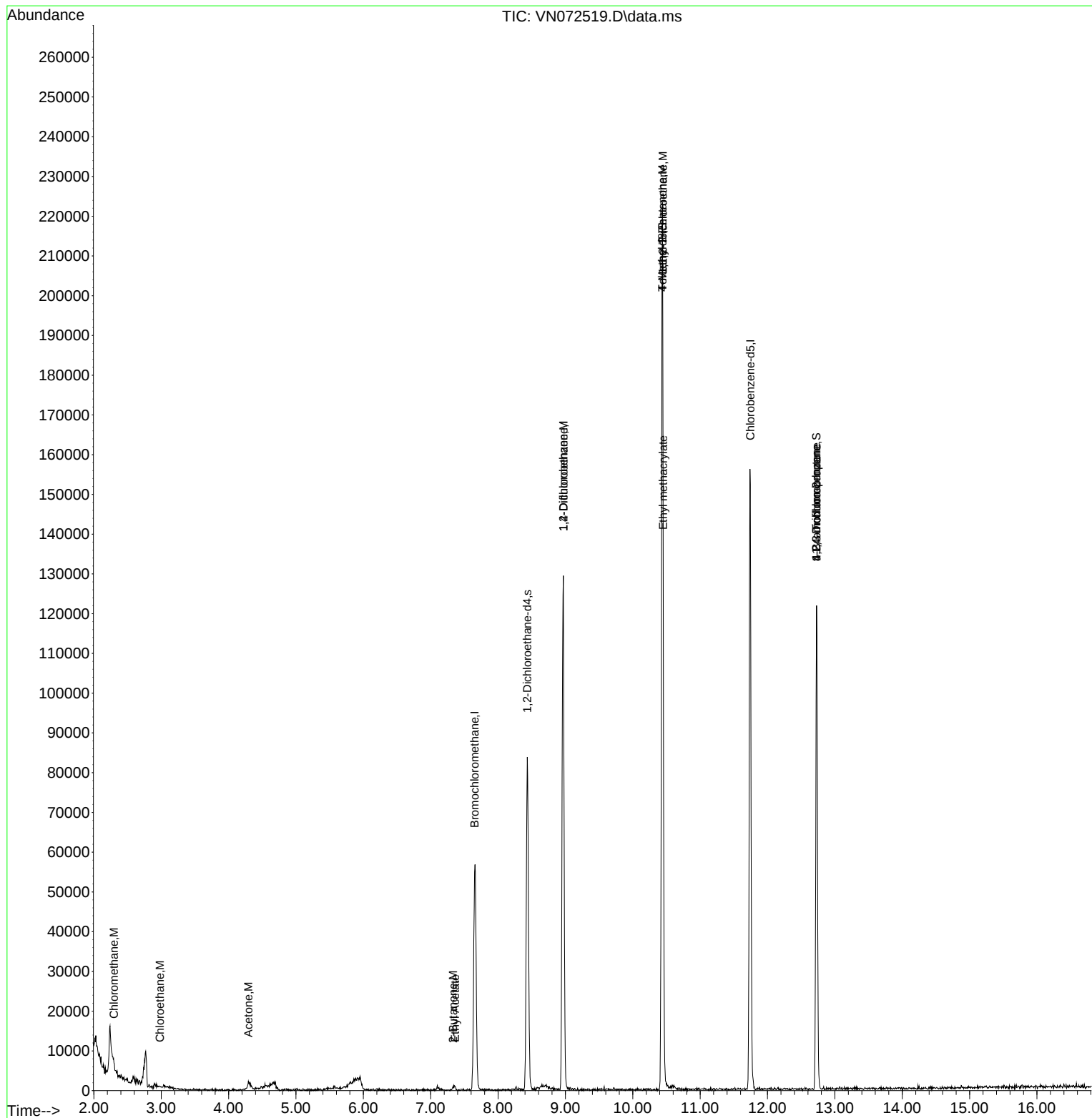
Internal Standards						
1) Bromochloromethane	7.651	128	21156	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	106284	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	90277	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	76987	32.340	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.800%
60) 4-Bromofluorobenzene	12.727	95	40917	23.213	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.367%
63) Toluene-d8	10.439	98	148980	30.231	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.767%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	502	0.316	ug/l #	40
6) Chloroethane	2.981	64	387	0.442	ug/l #	44
15) Acetone	4.292	58	530	2.202	ug/l #	49
30) 2-Butanone	7.333	43	652	0.532	ug/l #	75
36) 1,2-Dichloroethane	8.969	62	4095	1.462	ug/l #	77
43) Ethyl Acetate	7.363	43	641	0.268	ug/l #	67
50) 1,1,2-Trichloroethane	10.445	97	5449	3.378	ug/l #	1
51) Ethyl methacrylate	10.451	69	518	0.206	ug/l #	67
58) 4-Methyl-2-Pentanone	10.439	43	568	0.267	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	23446	12.000	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	23446	36.317	ug/l #	8

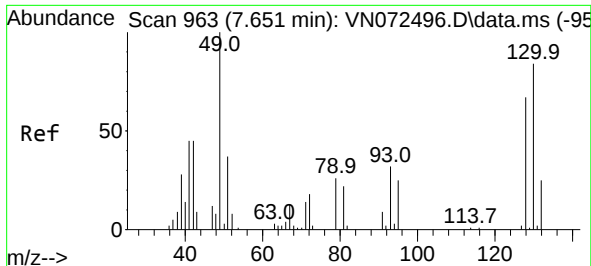
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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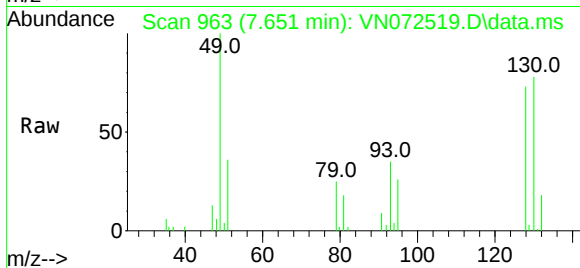
Quant Time: May 17 07:21:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
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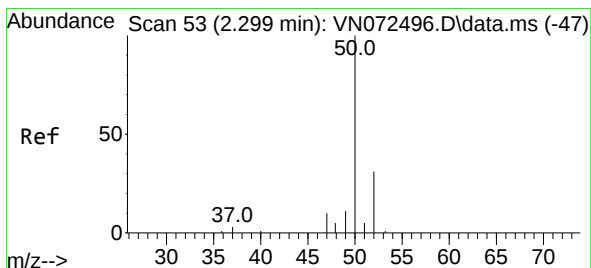
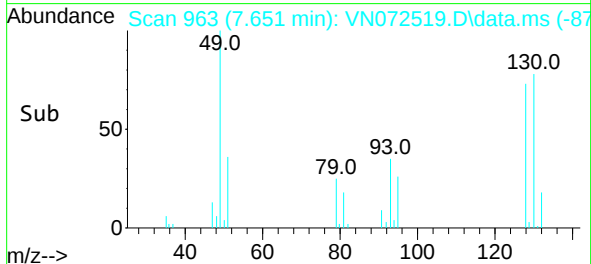
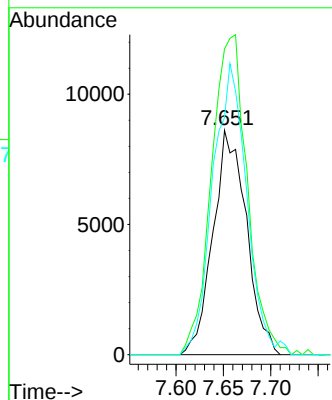


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 963
Delta R.T. 0.000 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

Instrument :
MSVOA_N
ClientSampleId :
TWP03

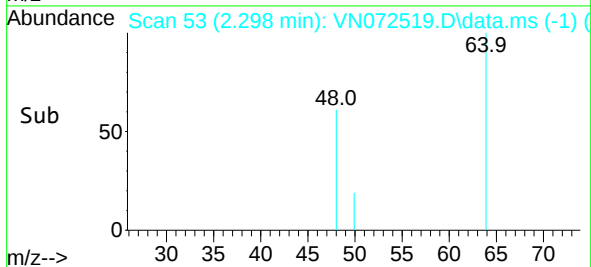
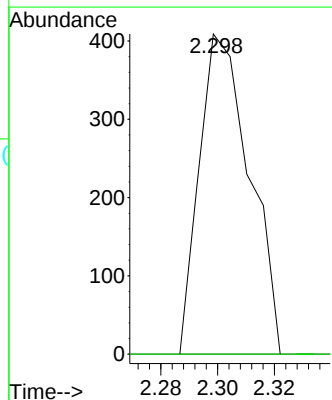
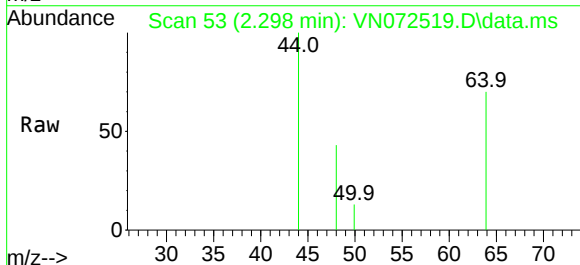


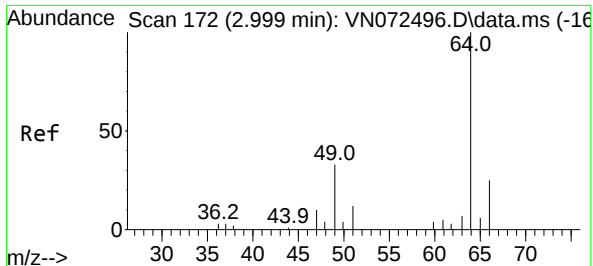
Tgt Ion:128 Resp: 21156
Ion Ratio Lower Upper
128 100
49 152.3 0.0 392.3
130 130.3 0.0 320.2



#3
Chloromethane
Concen: 0.316 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

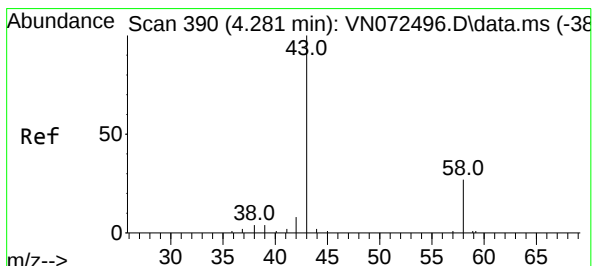
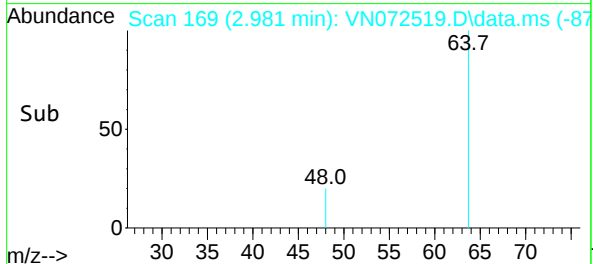
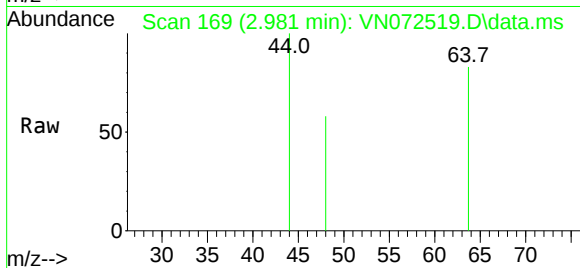




#6
Chloroethane
Concen: 0.442 ug/l
RT: 2.981 min Scan# 169
Delta R.T. -0.018 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

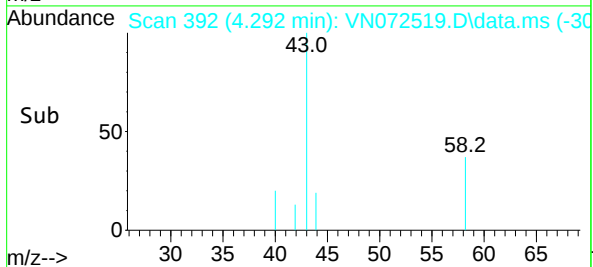
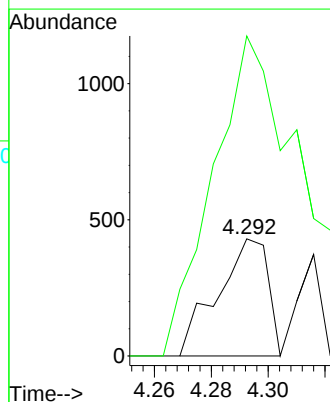
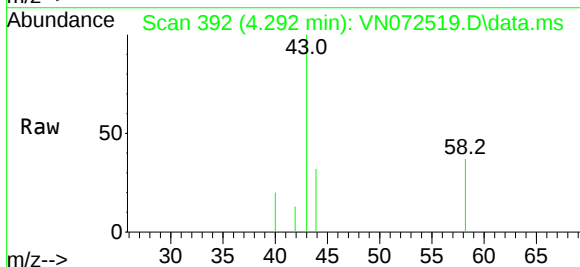
Instrument :
MSVOA_N
ClientSampleId :
TWP03

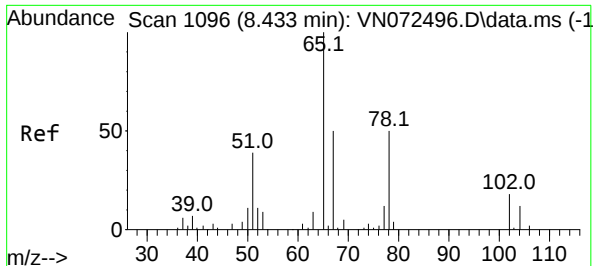
Tgt Ion: 64 Resp: 387
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#15
Acetone
Concen: 2.202 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

Tgt Ion: 58 Resp: 530
Ion Ratio Lower Upper
58 100
43 216.3 256.6 384.8#

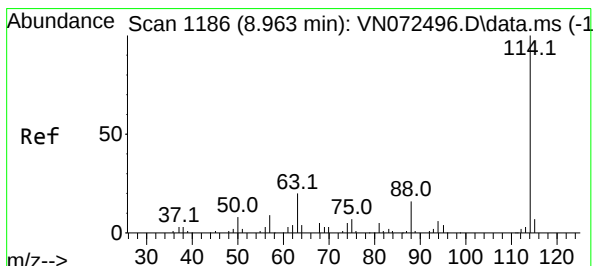
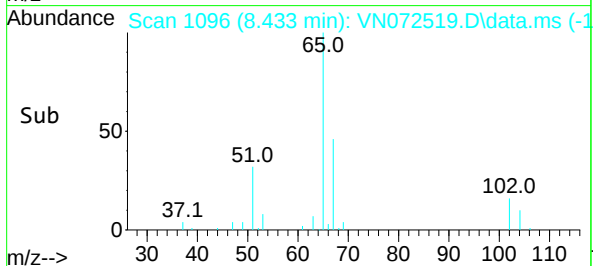
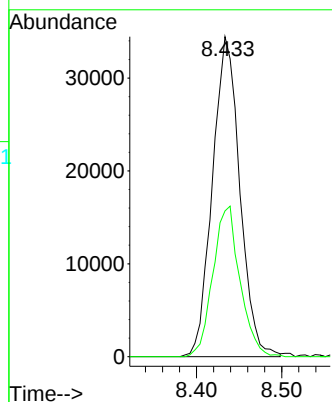
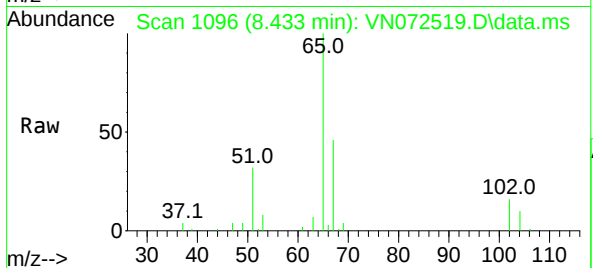




#27
1,2-Dichloroethane-d4
Concen: 32.340 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

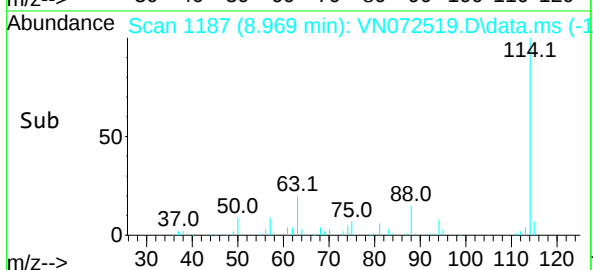
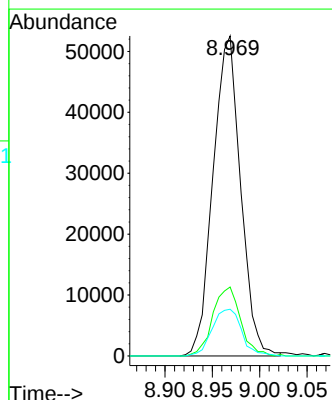
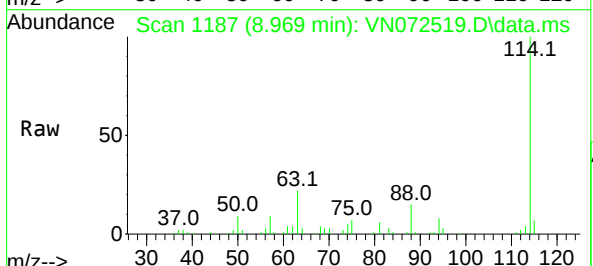
Instrument :
MSVOA_N
ClientSampleId :
TWP03

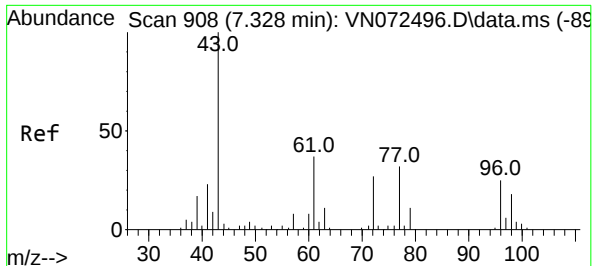
Tgt Ion: 65 Resp: 76987
Ion Ratio Lower Upper
65 100
67 46.2 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

Tgt Ion: 114 Resp: 106284
Ion Ratio Lower Upper
114 100
63 21.7 15.8 23.6
88 15.6 11.6 17.4





#30

2-Butanone

Concen: 0.532 ug/l

RT: 7.333 min Scan# 90

Delta R.T. 0.006 min

Lab File: VN072519.D

Acq: 16 May 2022 22:34

Instrument :

MSVOA_N

ClientSampleId :

TWP03

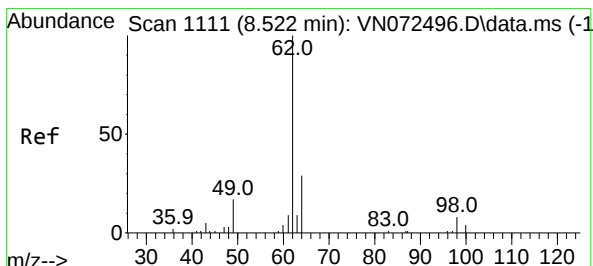
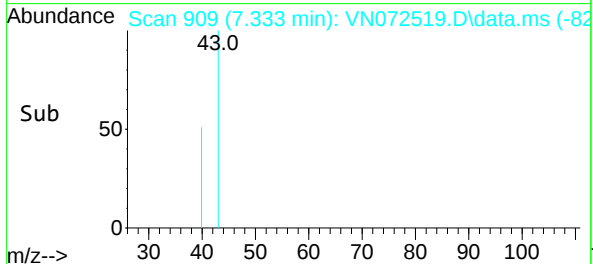
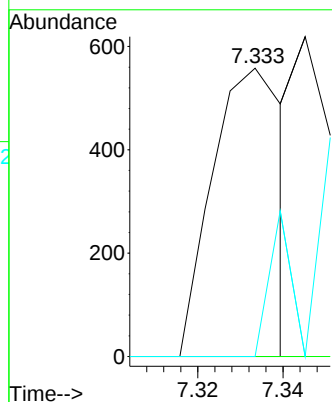
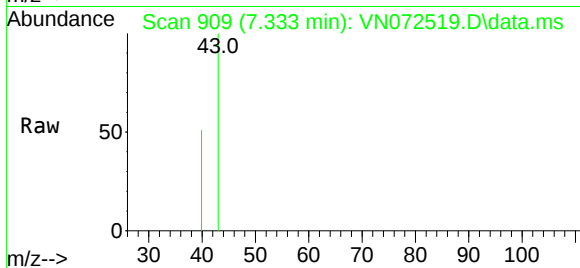
Tgt Ion: 43 Resp: 652

Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 15.3 23.2 34.8#



#36

1,2-Dichloroethane

Concen: 1.462 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.447 min

Lab File: VN072519.D

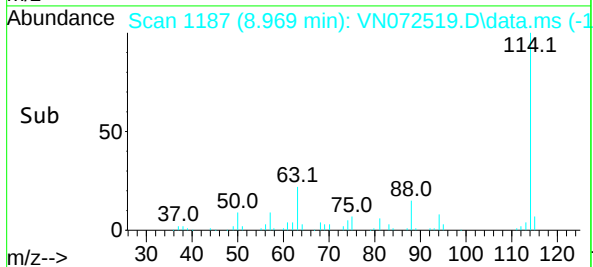
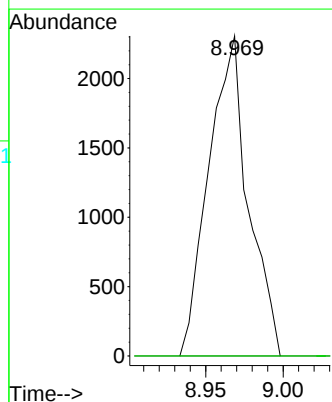
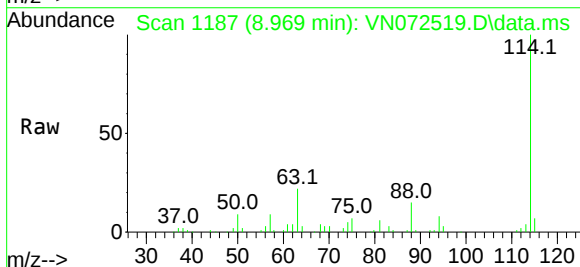
Acq: 16 May 2022 22:34

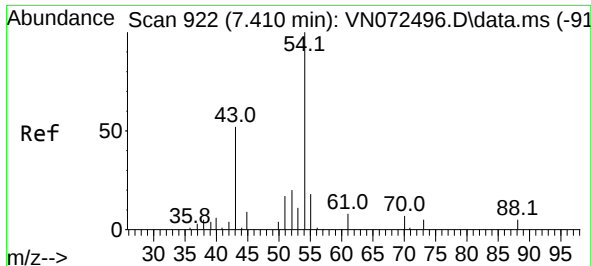
Tgt Ion: 62 Resp: 4095

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#





#43

Ethyl Acetate

Concen: 0.268 ug/l

RT: 7.363 min Scan# 91

Delta R.T. -0.047 min

Lab File: VN072519.D

Acq: 16 May 2022 22:34

Instrument :

MSVOA_N

ClientSampleId :

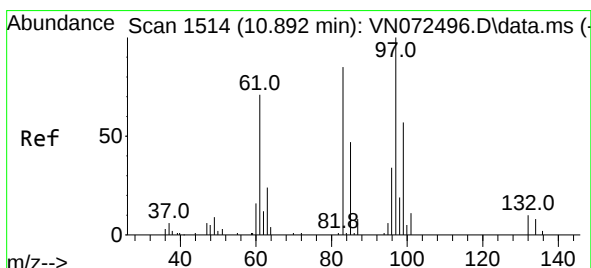
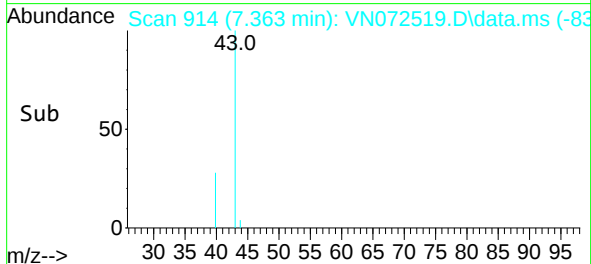
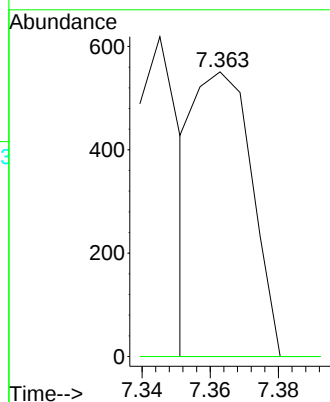
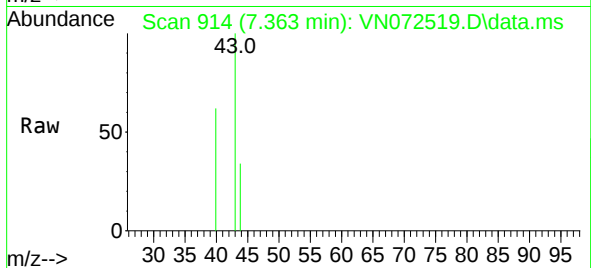
TWP03

Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

45 0.0 10.6 16.0#



#50

1,1,2-Trichloroethane

Concen: 3.378 ug/l

RT: 10.445 min Scan# 1438

Delta R.T. -0.447 min

Lab File: VN072519.D

Acq: 16 May 2022 22:34

Tgt Ion: 97 Resp: 5449

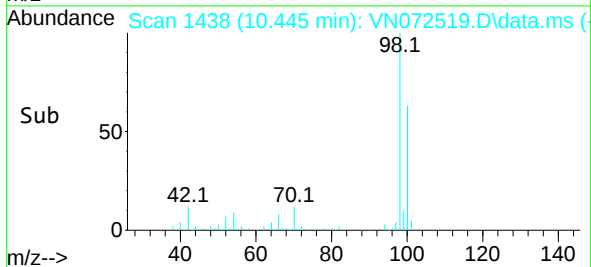
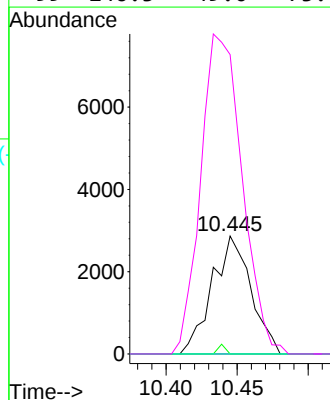
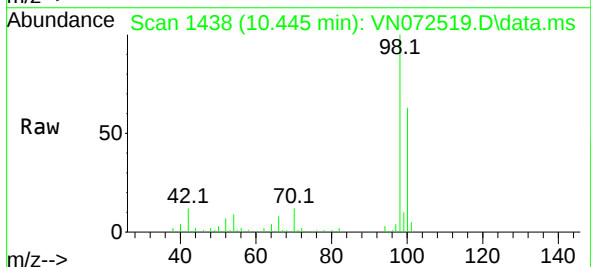
Ion Ratio Lower Upper

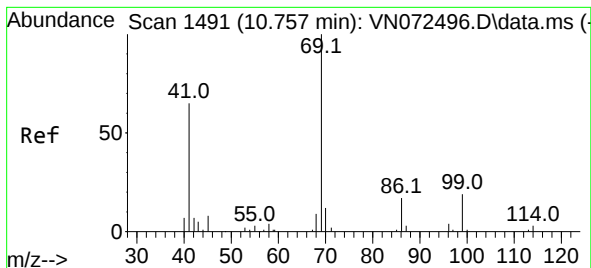
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 246.3 49.0 73.4#





#51

Ethyl methacrylate

Concen: 0.206 ug/l

RT: 10.451 min Scan# 1491

Delta R.T. -0.306 min

Lab File: VN072519.D

Acq: 16 May 2022 22:34

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MSVOA_N

ClientSampleId :

TWP03

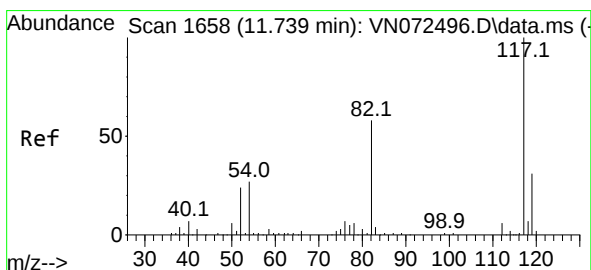
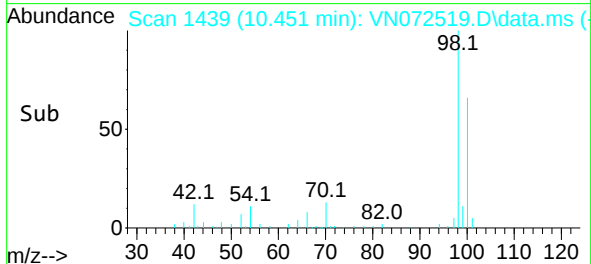
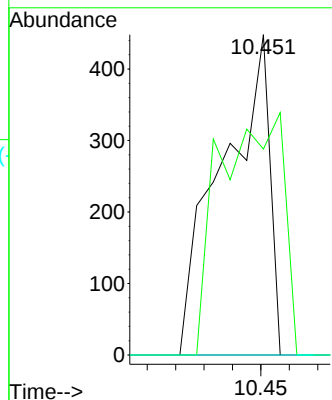
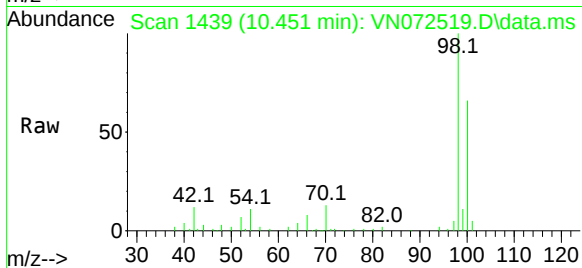
Tgt Ion: 69 Resp: 518

Ion Ratio Lower Upper

69 100

41 64.3 33.0 98.9

39 0.0 25.4 76.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.745 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VN072519.D

Acq: 16 May 2022 22:34

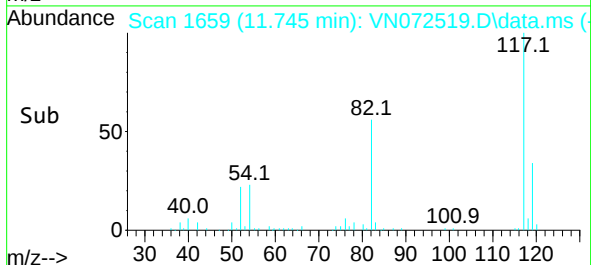
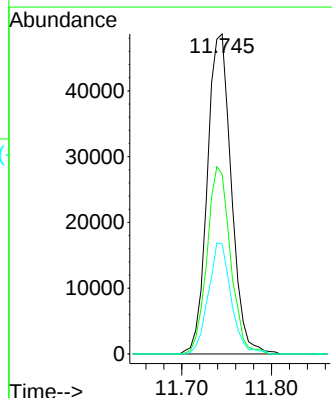
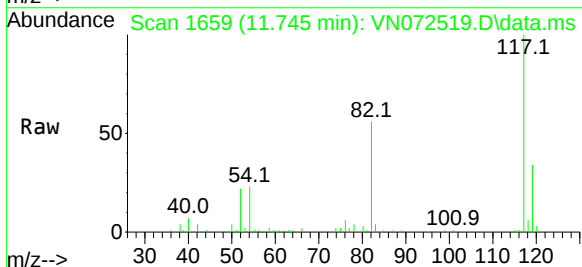
Tgt Ion: 117 Resp: 90277

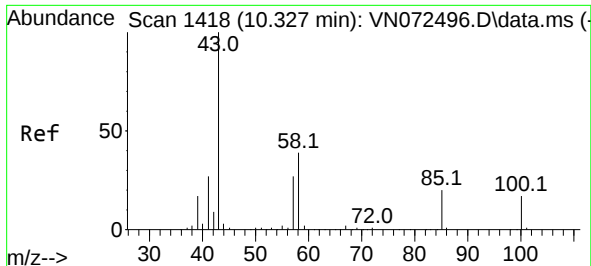
Ion Ratio Lower Upper

117 100

82 57.1 43.6 65.4

119 33.0 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 0.267 ug/l

RT: 10.439 min Scan# 1418

Delta R.T. 0.112 min

Lab File: VN072519.D

Acq: 16 May 2022 22:34

Instrument :

MSVOA_N

ClientSampleId :

TWP03

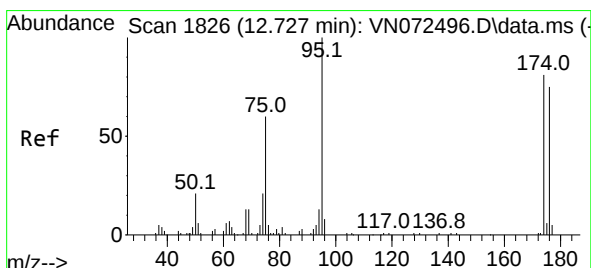
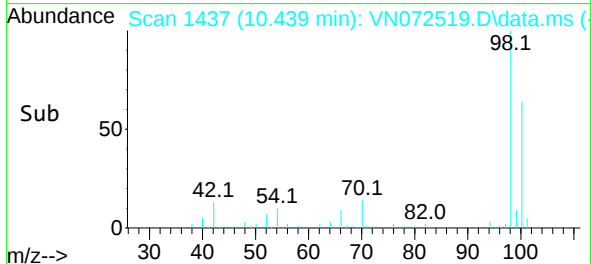
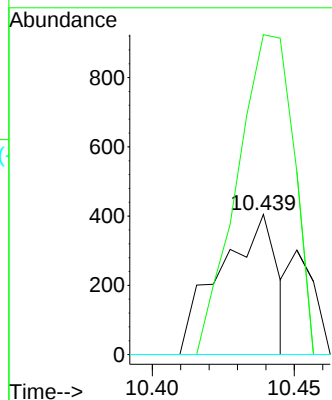
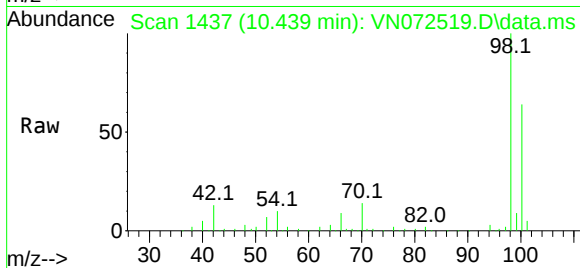
Tgt Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

58 225.7 30.0 45.0#

85 0.0 15.0 22.6#



#60

4-Bromofluorobenzene

Concen: 23.213 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN072519.D

Acq: 16 May 2022 22:34

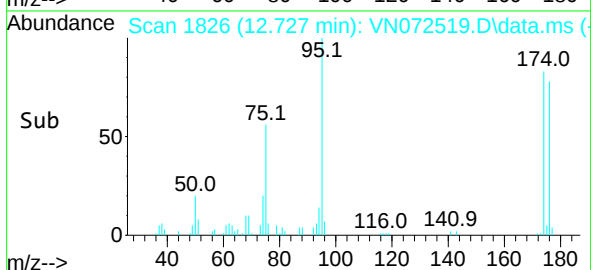
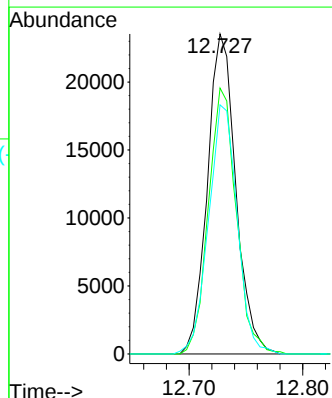
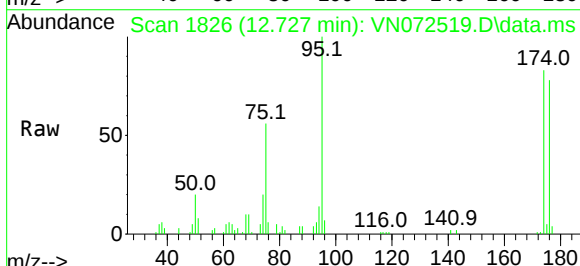
Tgt Ion: 95 Resp: 40917

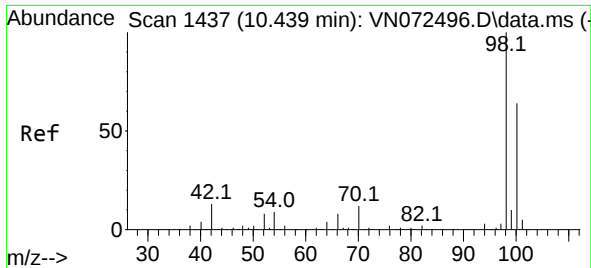
Ion Ratio Lower Upper

95 100

174 81.7 62.9 94.3

176 78.4 61.0 91.4

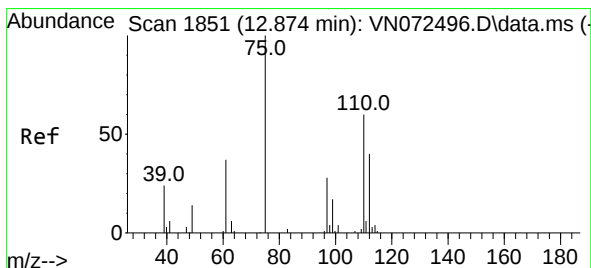
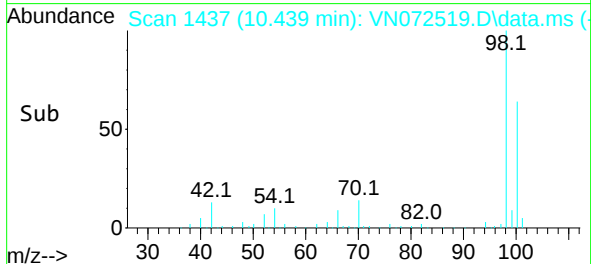
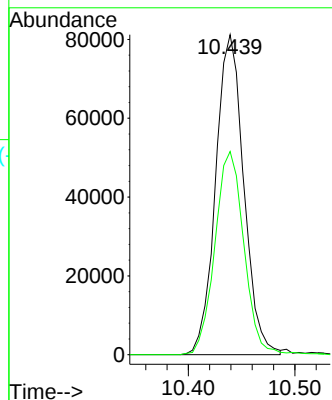
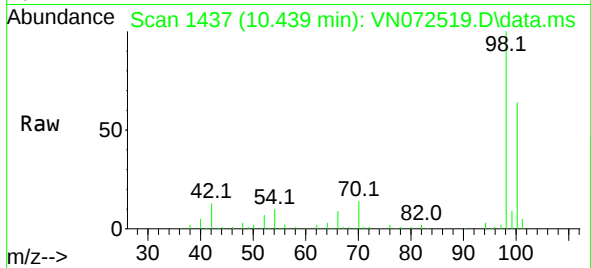




#63
Toluene-d8
Concen: 30.231 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

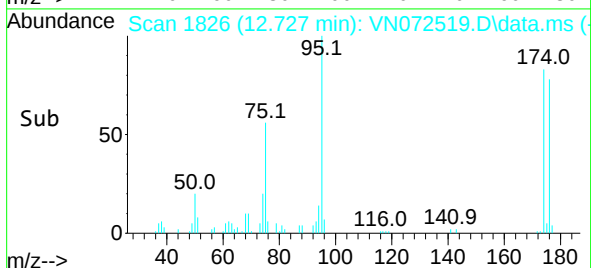
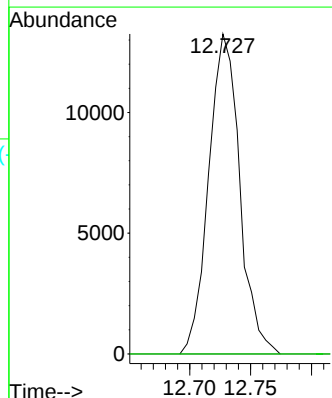
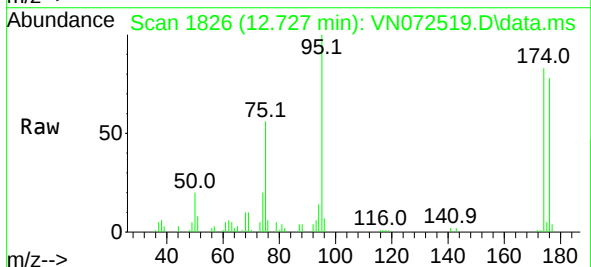
Instrument :
MSVOA_N
ClientSampleId :
TWP03

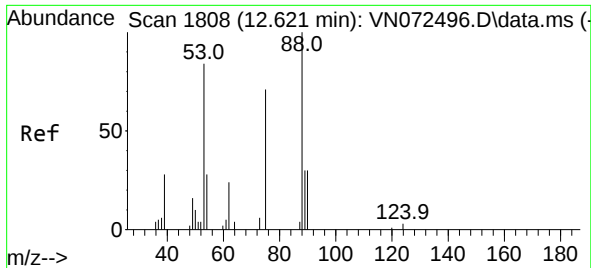
Tgt Ion: 98 Resp: 148980
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 12.000 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072519.D
Acq: 16 May 2022 22:34

Tgt Ion: 75 Resp: 23446
Ion Ratio Lower Upper
75 100
77 0.0 0.0 378.0





#77

t-1,4-Dichloro-2-butene

Concen: 36.317 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN072519.D

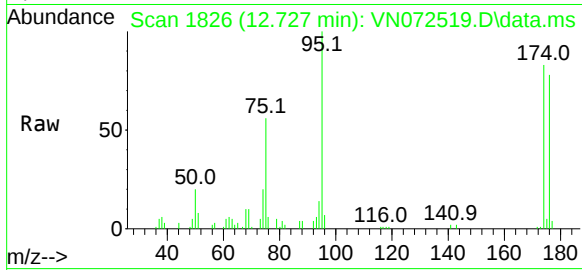
Acq: 16 May 2022 22:34

Instrument :

MSVOA_N

ClientSampleId :

TWP03



Tgt Ion: 75 Resp: 23446

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

