

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072596.D
 Acq On : 24 May 2022 19:18
 Operator : JC\MD
 Sample : N2981-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TGMP-3

Quant Time: May 25 09:21:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

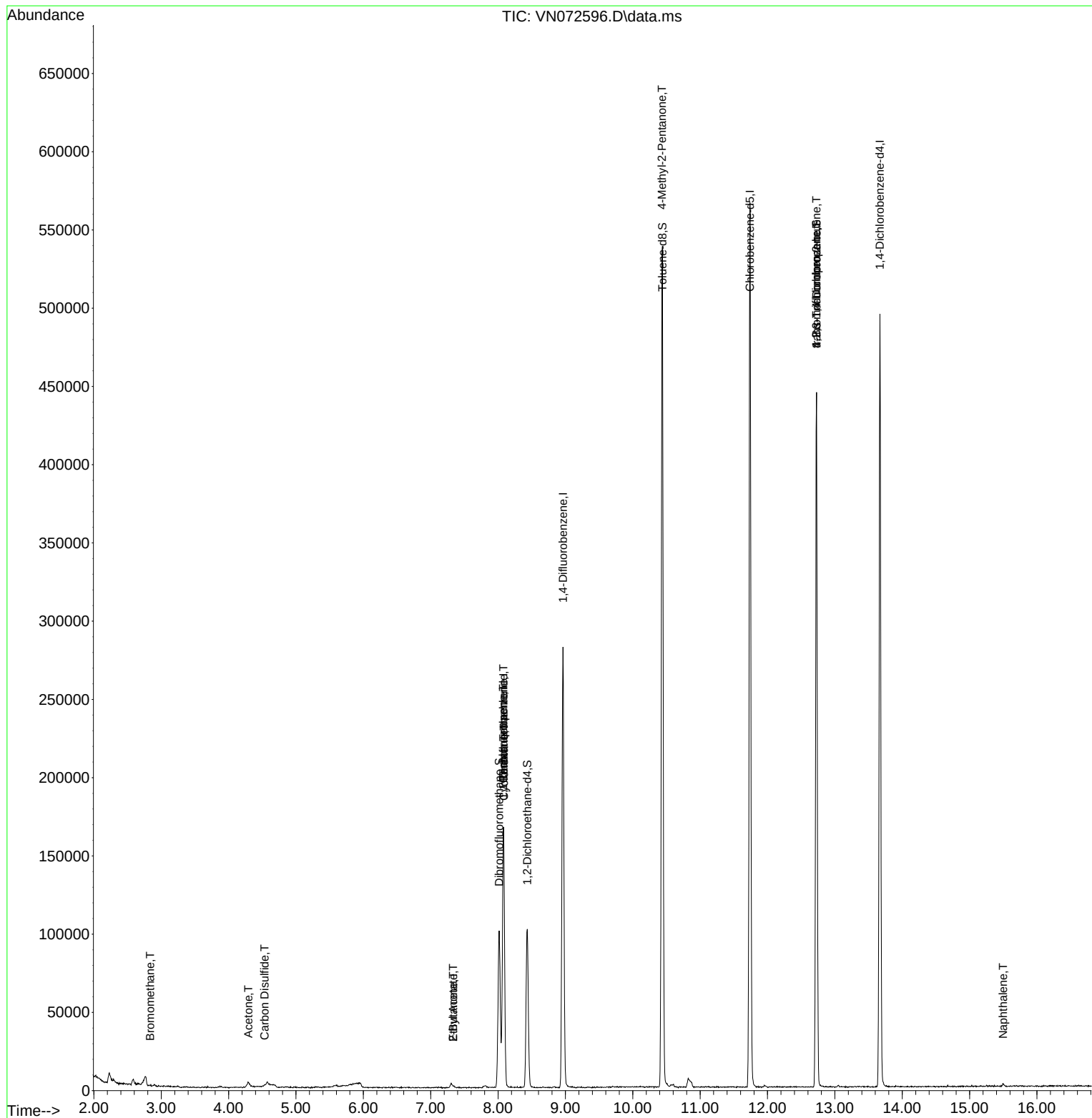
Internal Standards						
1) Pentafluorobenzene	8.081	168	132942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	246704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	346545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	143234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	83899	55.480	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.960%	
35) Dibromofluoromethane	8.016	113	73301	45.843	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 91.680%	
50) Toluene-d8	10.439	98	382043	62.575	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 125.140%	
62) 4-Bromofluorobenzene	12.727	95	149218	75.146	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 150.300%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	739	Below Cal	#	43
5) Bromomethane	2.834	94	272	1.811	ug/l #	2
6) Chloroethane	3.005	64	185	Below Cal	#	42
16) Acetone	4.293	43	5866	7.892	ug/l	89
17) Carbon Disulfide	4.534	76	753	0.254	ug/l #	75
18) Methyl Acetate	4.851	43	383	Below Cal	#	48
25) 2-Butanone	7.334	43	1620	1.292	ug/l	92
31) Cyclohexane	8.087	56	2693	1.124	ug/l #	24
36) 1,1-Dichloropropene	8.075	75	10086	4.459	ug/l #	47
37) Ethyl Acetate	7.334	43	1620	0.548	ug/l #	67
38) Carbon Tetrachloride	8.081	117	12461	5.218	ug/l #	18
51) 4-Methyl-2-Pentanone	10.433	43	1471	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	72164	18.557	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	72164	54.459	ug/l #	10
95) Naphthalene	15.498	128	2813	0.316	ug/l #	78

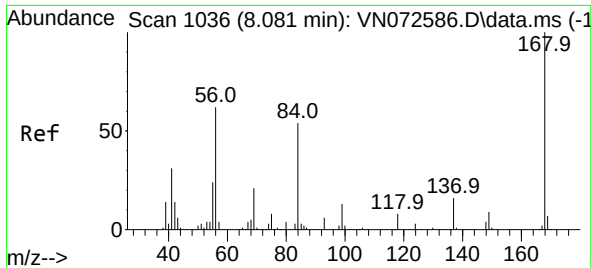
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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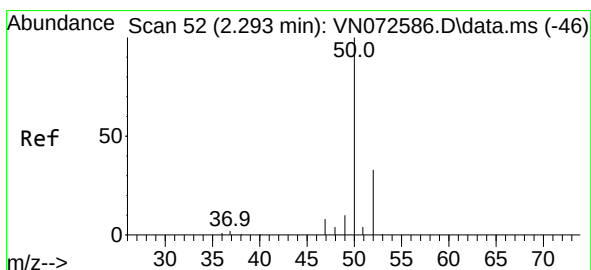
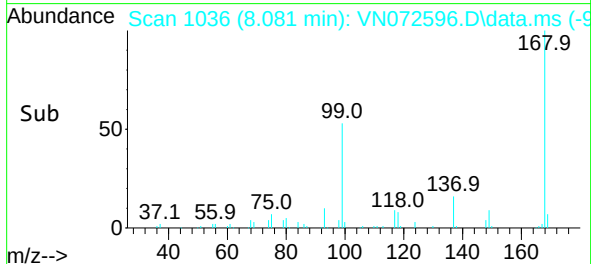
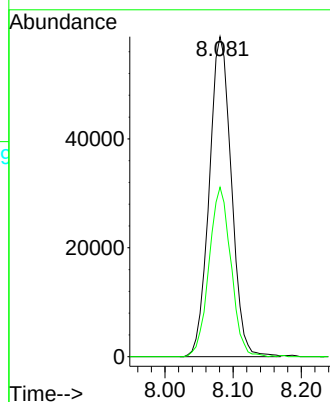
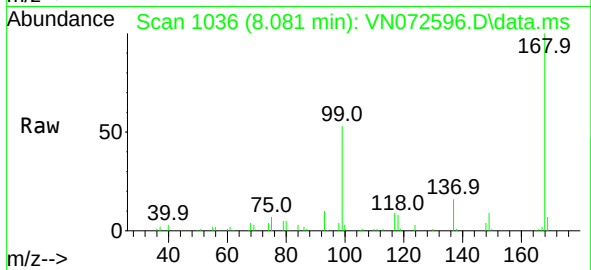




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

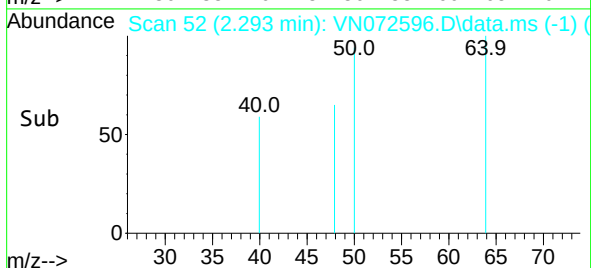
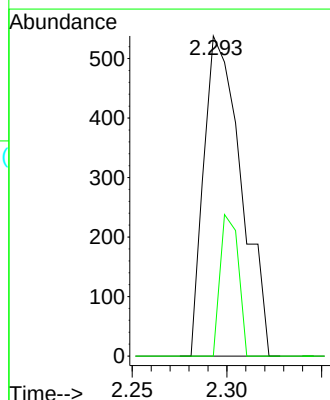
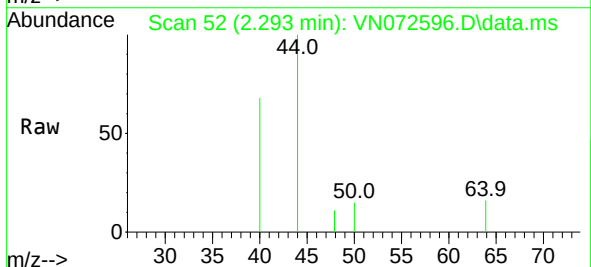
Instrument :
MSVOA_N
ClientSampleId :
TGMP-3

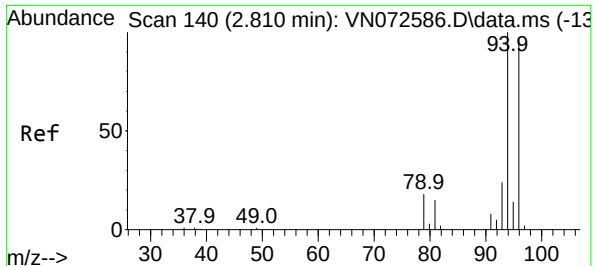
Tgt Ion:168 Resp: 132942
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

Tgt Ion: 50 Resp: 739
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: 1.811 ug/l

RT: 2.834 min Scan# 14

Delta R.T. 0.024 min

Lab File: VN072596.D

Acq: 24 May 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

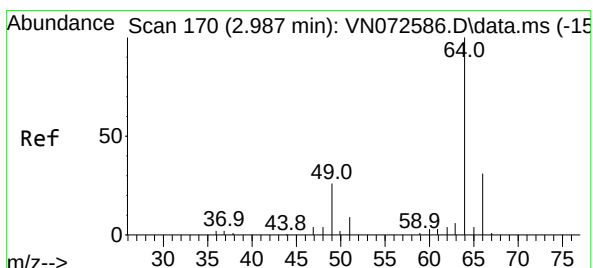
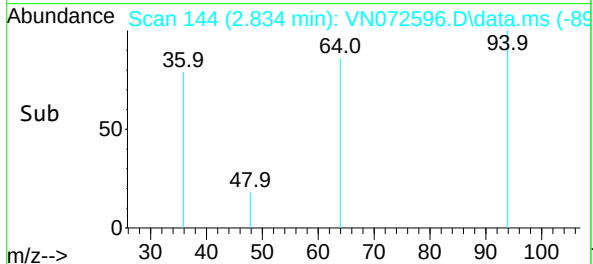
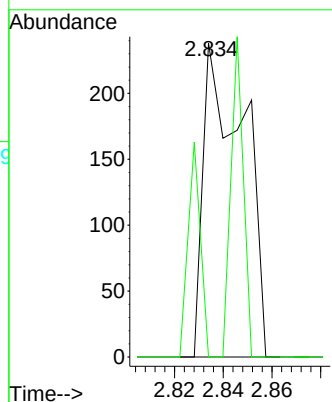
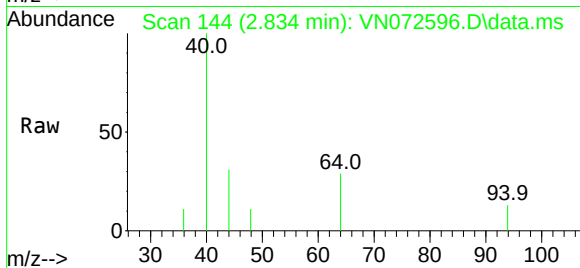
TGMP-3

Tgt Ion: 94 Resp: 272

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 3.005 min Scan# 173

Delta R.T. 0.018 min

Lab File: VN072596.D

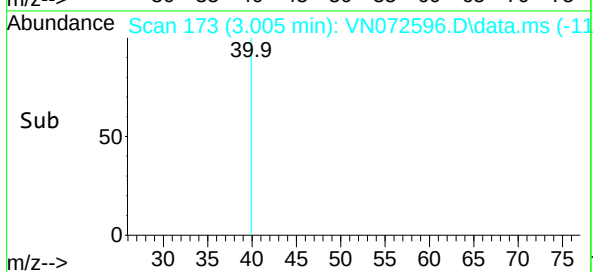
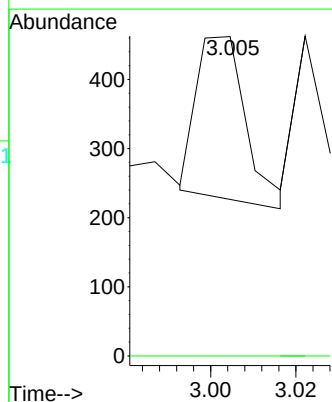
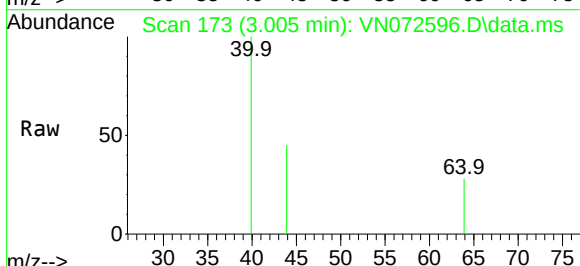
Acq: 24 May 2022 19:18

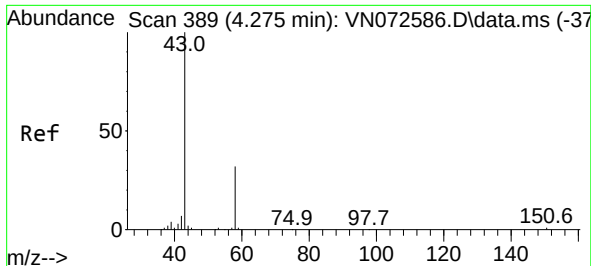
Tgt Ion: 64 Resp: 185

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#





#16

Acetone

Concen: 7.892 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.018 min

Lab File: VN072596.D

Acq: 24 May 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

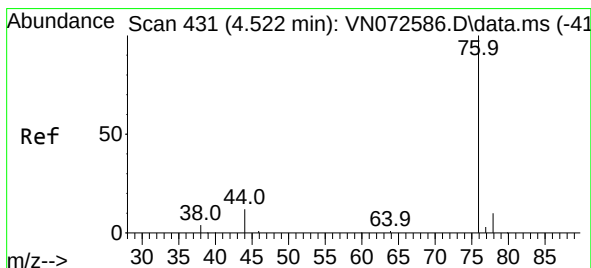
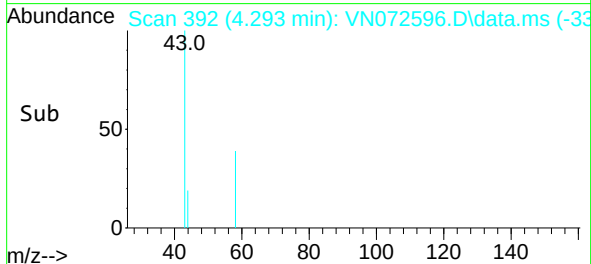
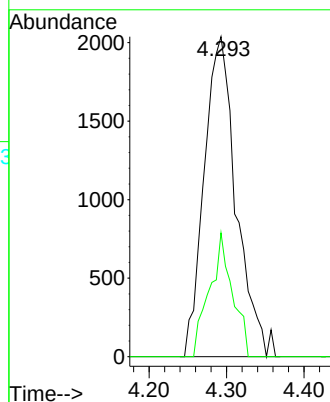
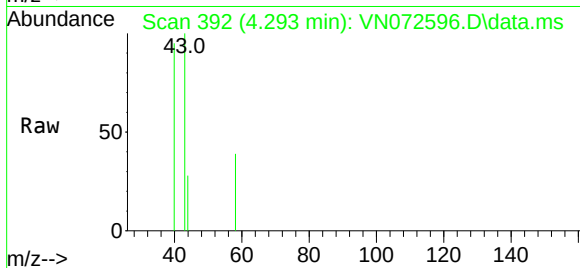
TGMP-3

Tgt Ion: 43 Resp: 5866

Ion Ratio Lower Upper

43 100

58 38.7 26.0 39.0



#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 4.534 min Scan# 433

Delta R.T. 0.012 min

Lab File: VN072596.D

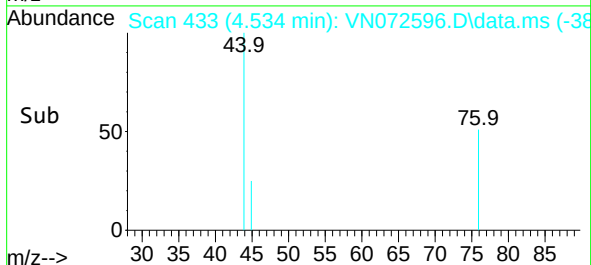
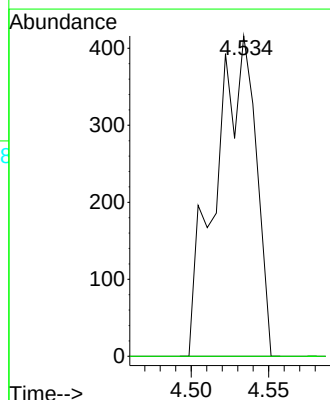
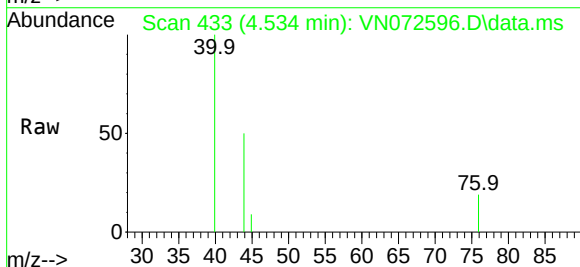
Acq: 24 May 2022 19:18

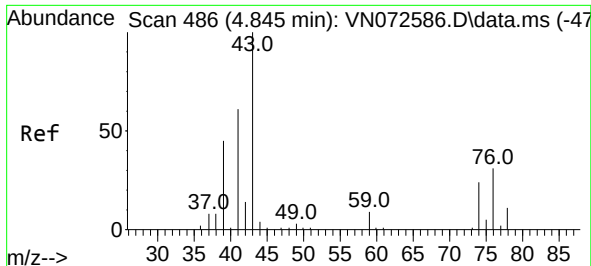
Tgt Ion: 76 Resp: 753

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

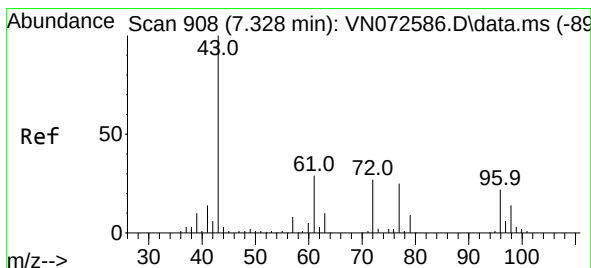
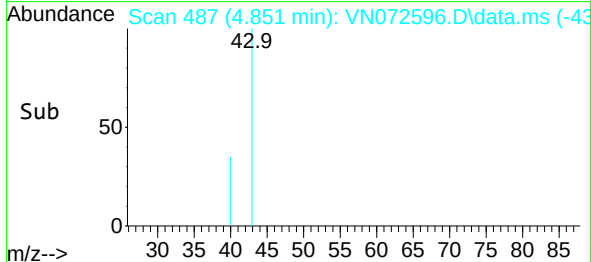
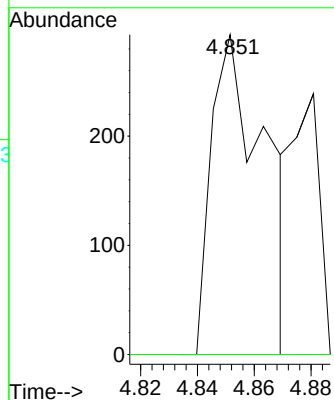
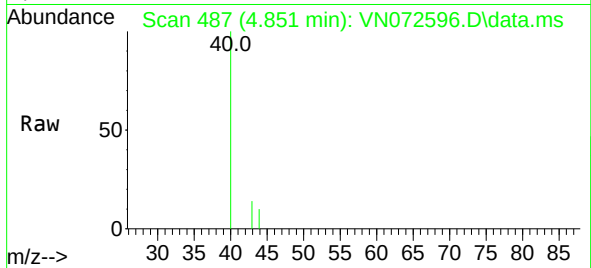




#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

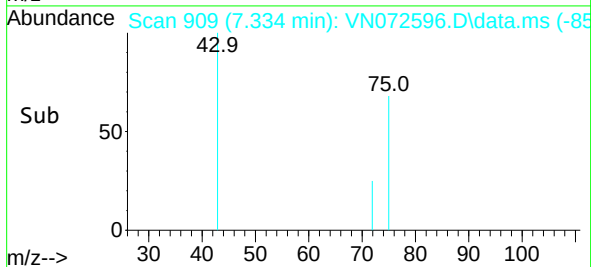
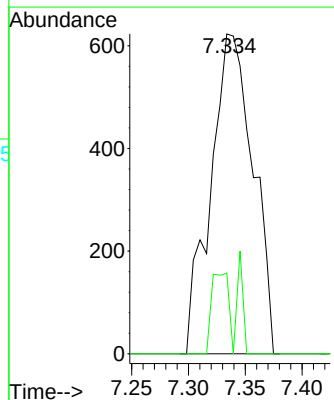
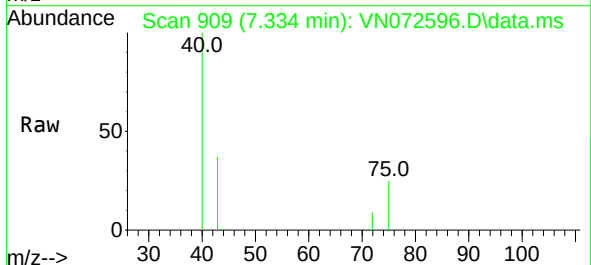
Instrument :
MSVOA_N
ClientSampleId :
TGMP-3

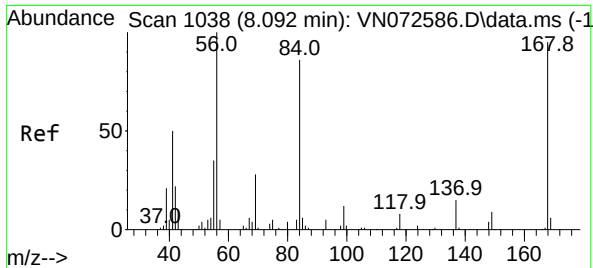
Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 1.292 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
72 25.2 23.7 35.5





#31

Cyclohexane

Concen: 1.124 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.005 min

Lab File: VN072596.D

Acq: 24 May 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

TGMP-3

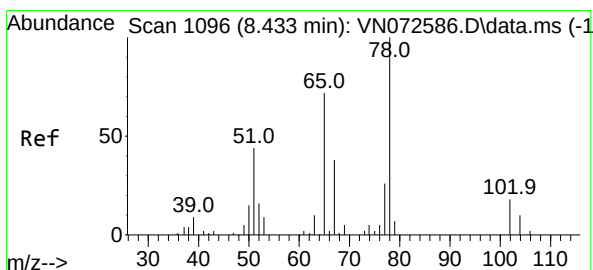
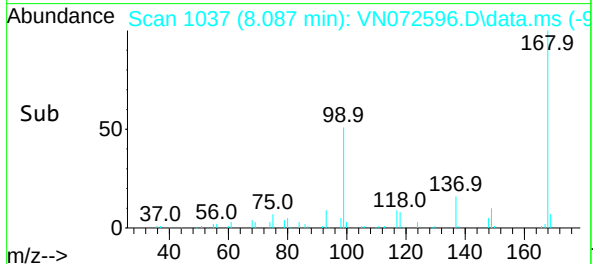
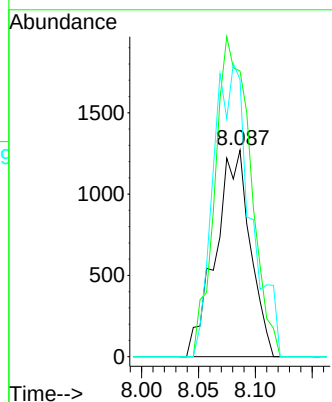
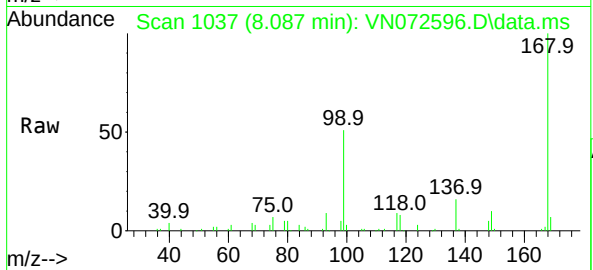
Tgt Ion: 56 Resp: 2693

Ion Ratio Lower Upper

56 100

69 138.4 27.8 41.8#

84 134.3 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 55.480 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.001 min

Lab File: VN072596.D

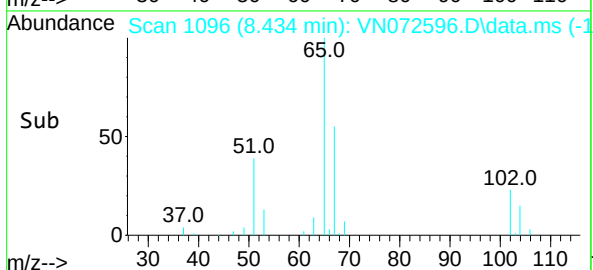
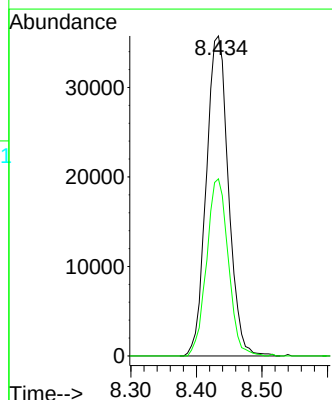
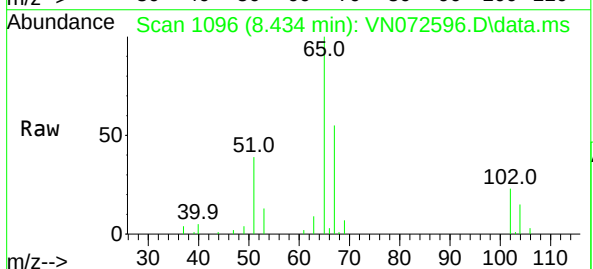
Acq: 24 May 2022 19:18

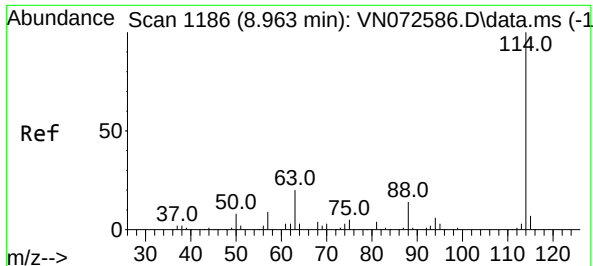
Tgt Ion: 65 Resp: 83899

Ion Ratio Lower Upper

65 100

67 54.1 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: VN072596.D

Acq: 24 May 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

TGMP-3

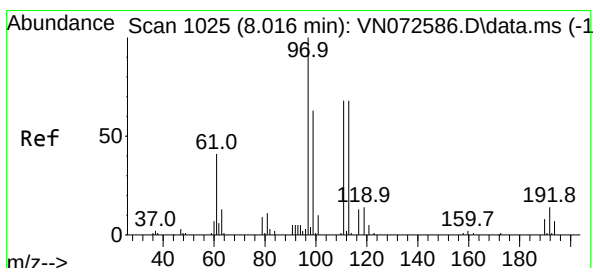
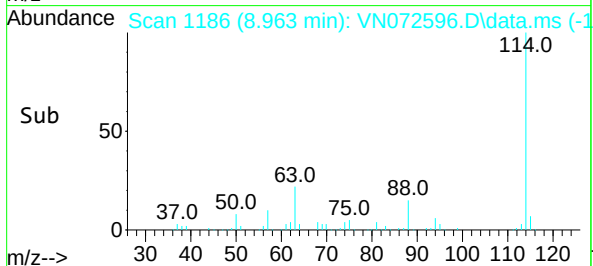
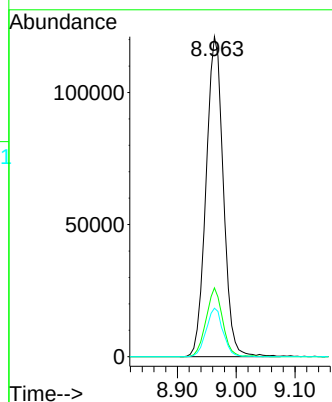
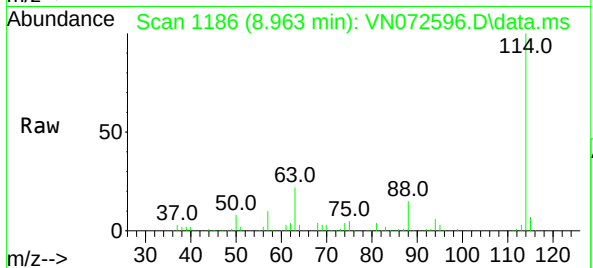
Tgt Ion:114 Resp: 246704

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.843 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072596.D

Acq: 24 May 2022 19:18

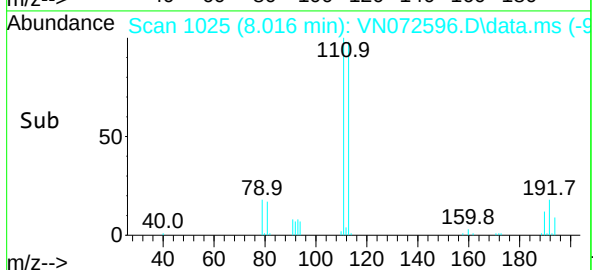
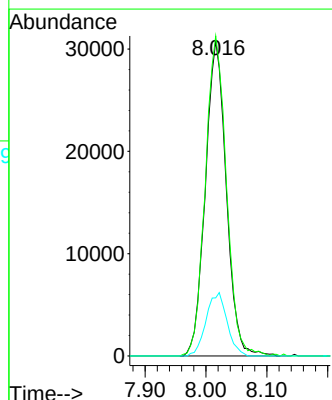
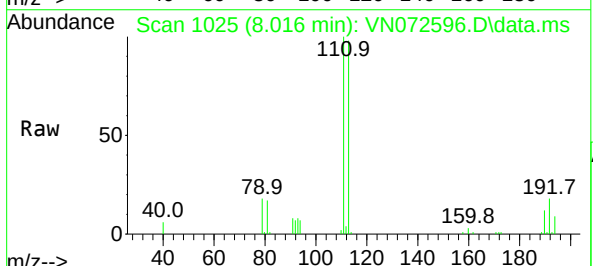
Tgt Ion:113 Resp: 73301

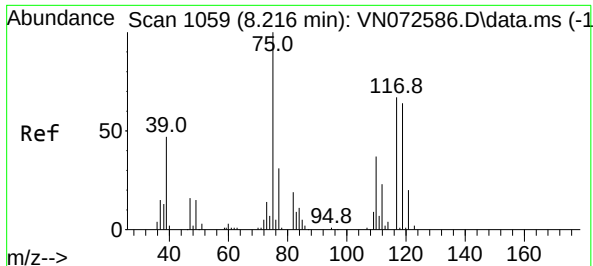
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 20.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN072596.D

Acq: 24 May 2022 19:18

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MSVOA_N

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TGMP-3

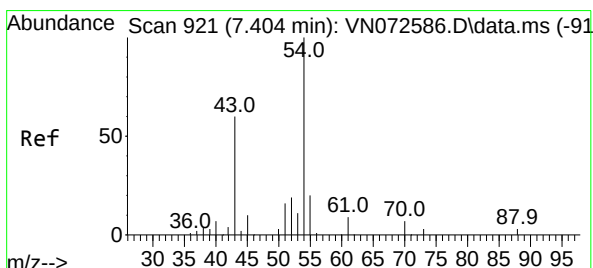
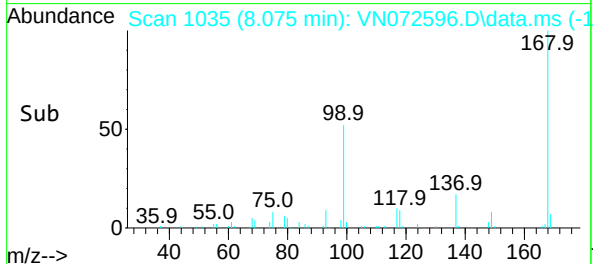
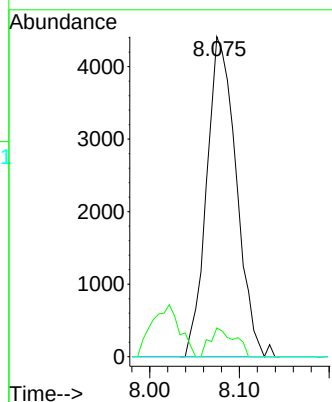
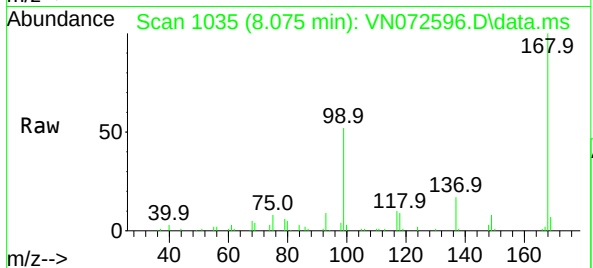
Tgt Ion: 75 Resp: 10086

Ion Ratio Lower Upper

75 100

110 7.6 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.548 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.070 min

Lab File: VN072596.D

Acq: 24 May 2022 19:18

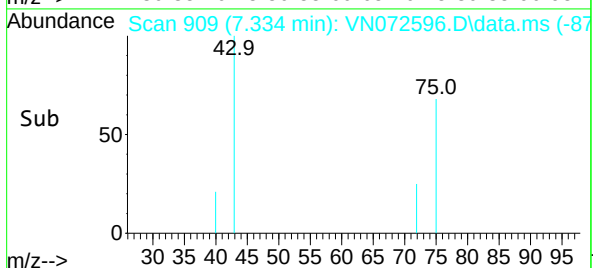
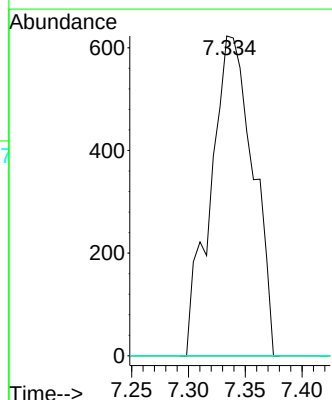
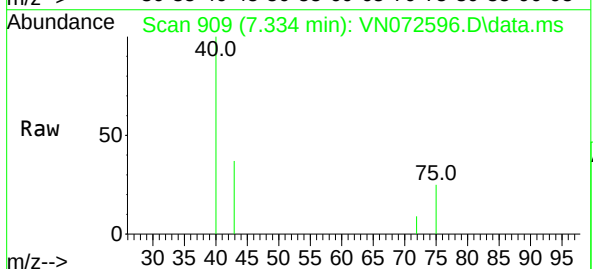
Tgt Ion: 43 Resp: 1620

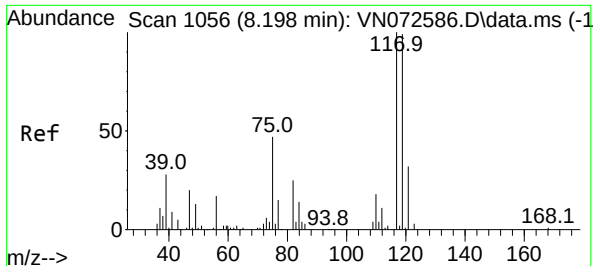
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

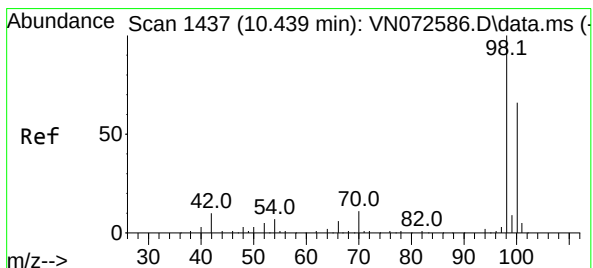
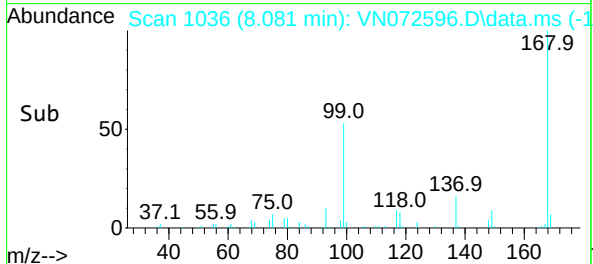
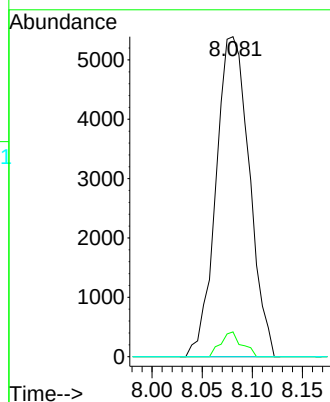
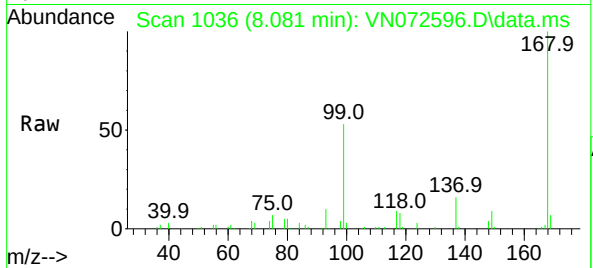




#38
Carbon Tetrachloride
Concen: 5.218 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.117 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

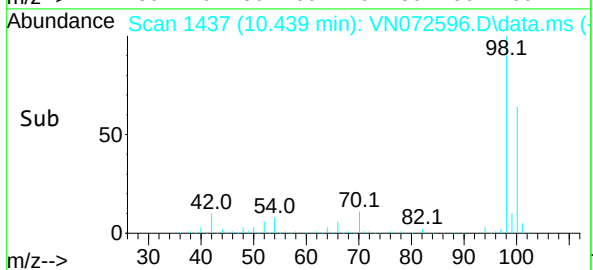
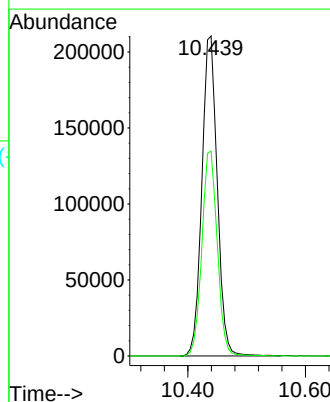
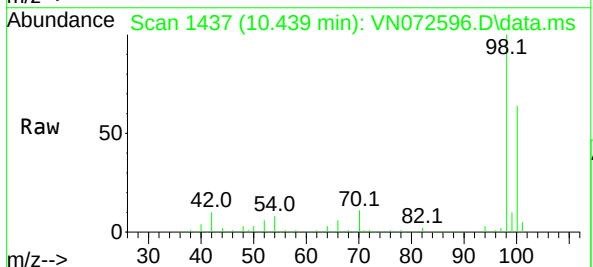
Instrument :
MSVOA_N
ClientSampleId :
TGMP-3

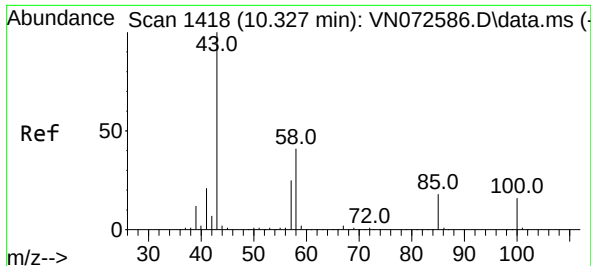
Tgt Ion:117 Resp: 12461
Ion Ratio Lower Upper
117 100
119 7.7 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 62.575 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

Tgt Ion: 98 Resp: 382043
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8

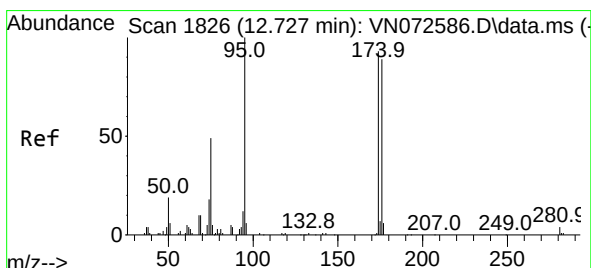
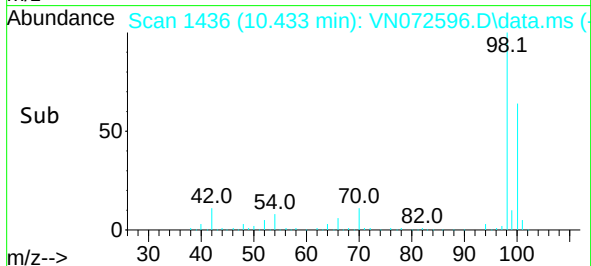
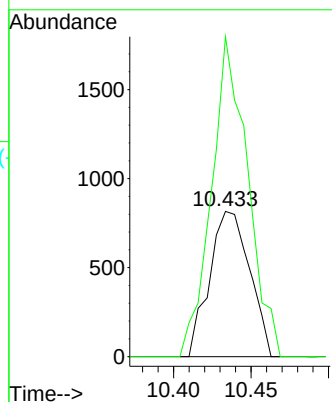
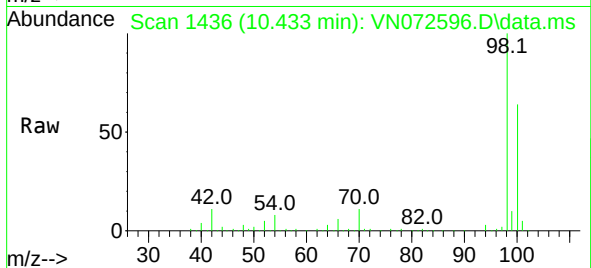




#51
4-Methyl-2-Pentanone
Concen: 0.512 ug/l
RT: 10.433 min Scan# 1418
Delta R.T. 0.106 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

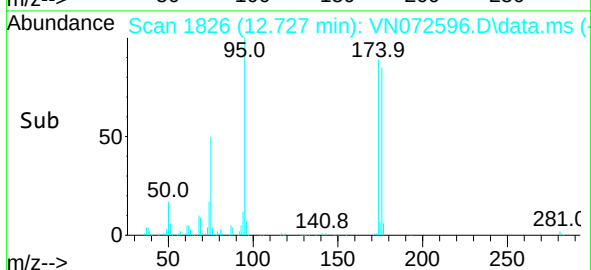
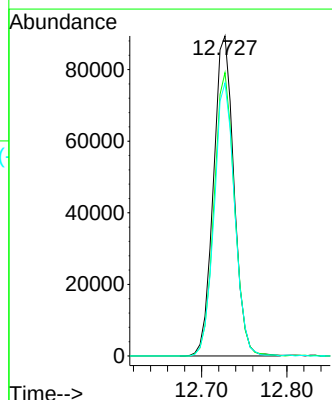
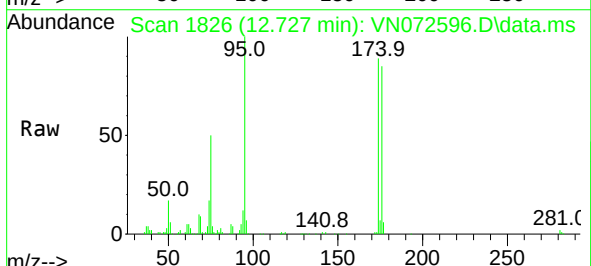
Instrument :
MSVOA_N
ClientSampleId :
TGMP-3

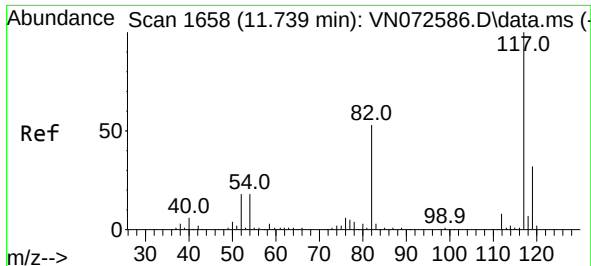
Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
58 198.4 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 75.146 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

Tgt Ion: 95 Resp: 149218
Ion Ratio Lower Upper
95 100
174 87.9 0.0 167.6
176 85.2 0.0 163.4

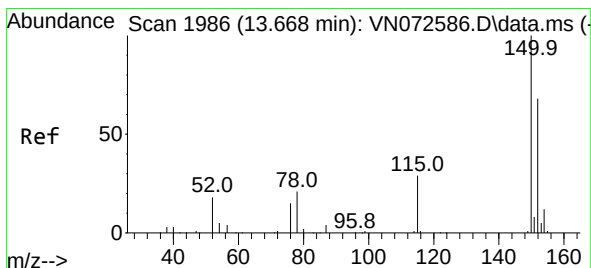
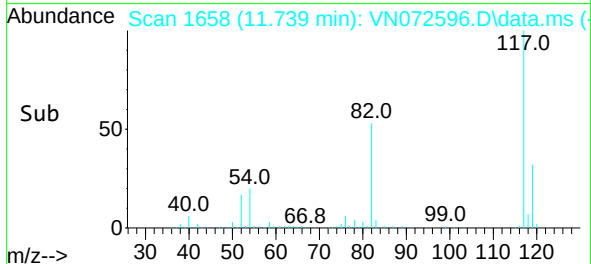
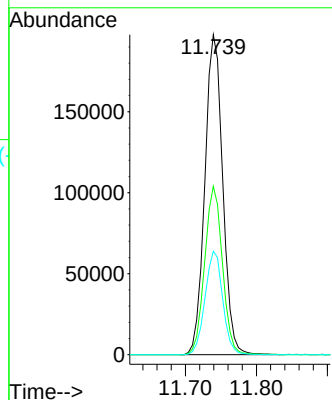
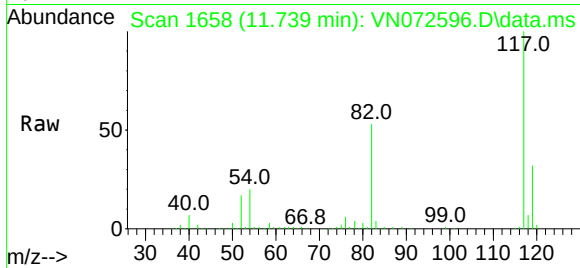




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

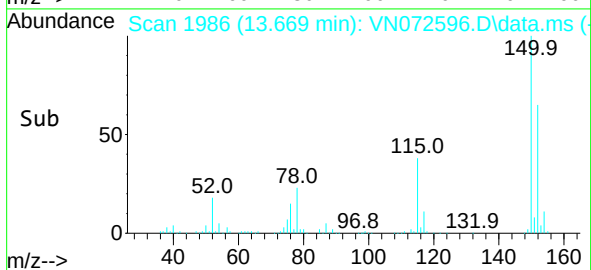
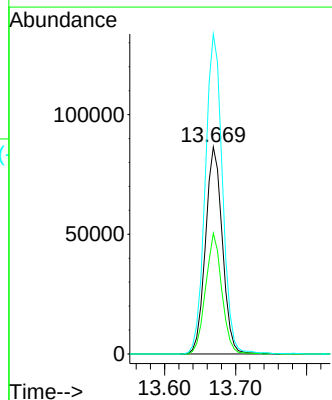
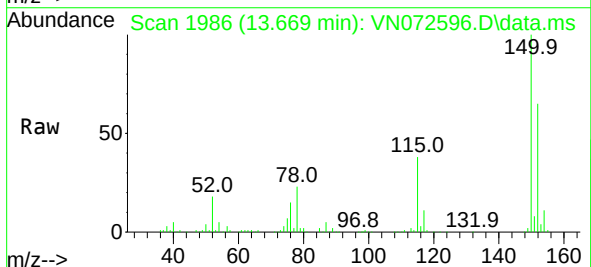
Instrument :
MSVOA_N
ClientSampleId :
TGMP-3

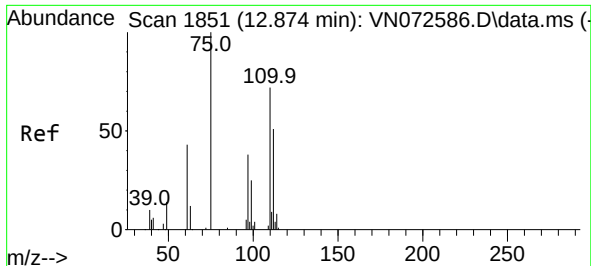
Tgt Ion:117 Resp: 346545
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

Tgt Ion:152 Resp: 143234
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 157.1 0.0 356.2

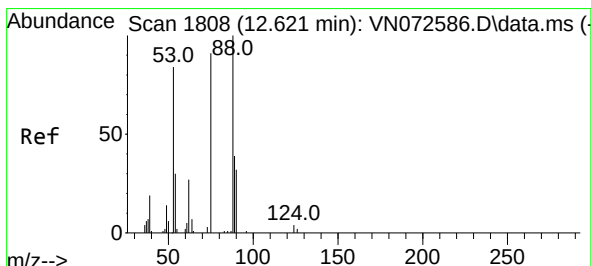
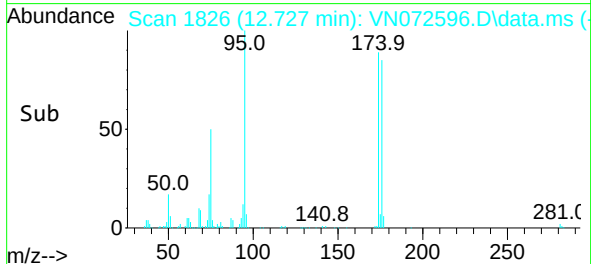
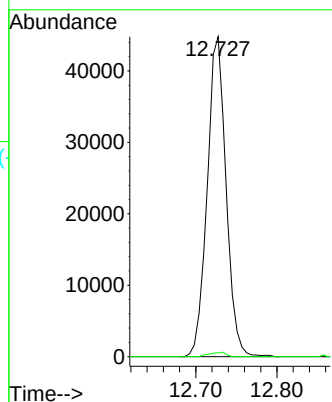
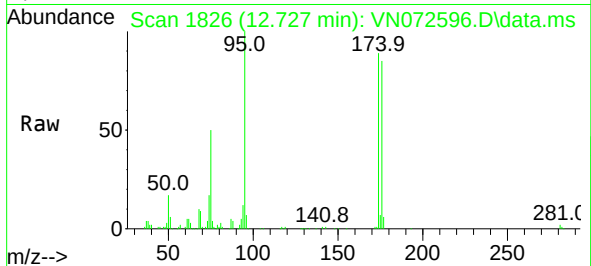




#76
1,2,3-Trichloropropane
Concen: 18.557 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

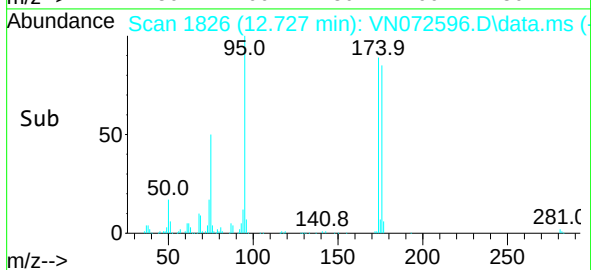
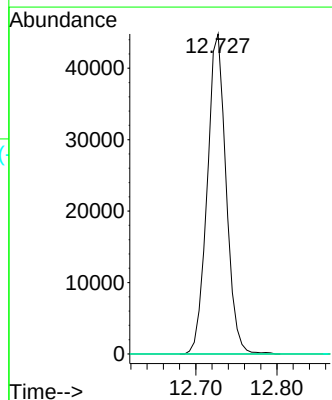
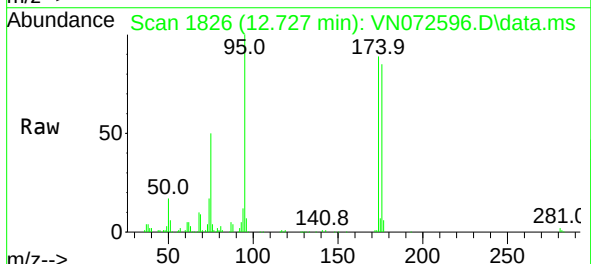
Instrument :
MSVOA_N
ClientSampleId :
TGMP-3

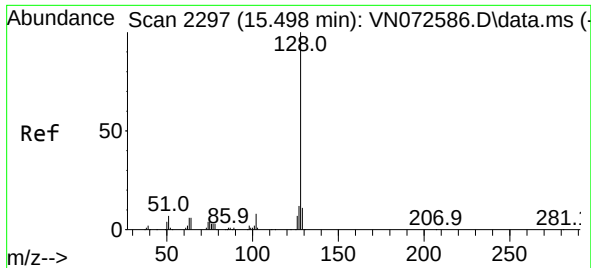
Tgt Ion: 75 Resp: 72164
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.459 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

Tgt Ion: 75 Resp: 72164
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.316 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072596.D
Acq: 24 May 2022 19:18

Instrument :
MSVOA_N
ClientSampleId :
TGMP-3

Tgt Ion:128 Resp: 2813
Ion Ratio Lower Upper
128 100
127 2.3 10.3 15.5#
129 4.7 8.6 13.0#

