

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052022\
 Data File : VN072579.D
 Acq On : 20 May 2022 16:00
 Operator : JC\MD
 Sample : N2965-08 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31619

Quant Time: May 21 01:33:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

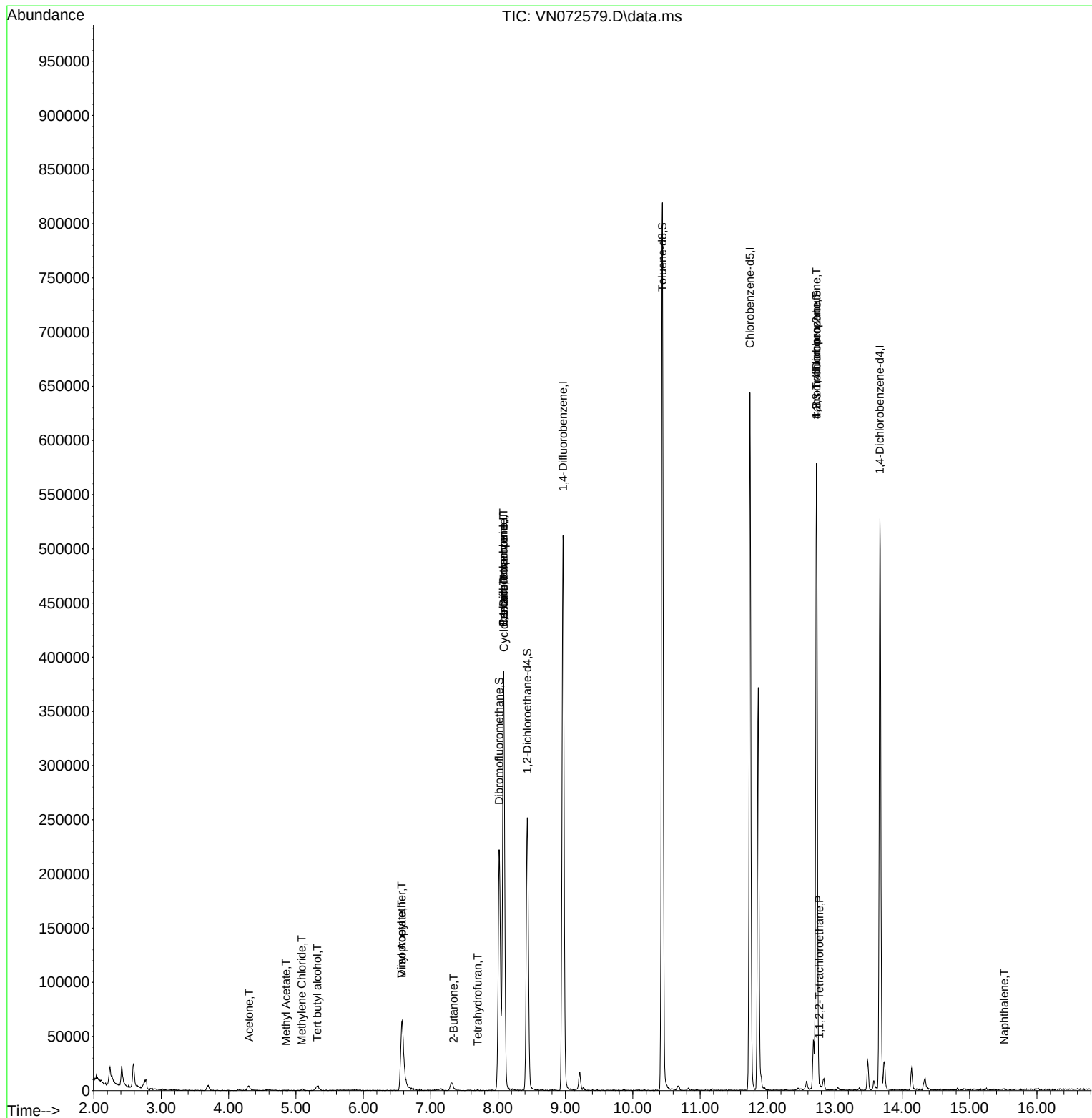
Internal Standards						
1) Pentafluorobenzene	8.081	168	279382	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	415284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	359190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	142107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	237793	54.781	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.560%	
35) Dibromofluoromethane	8.016	113	156794	55.957	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 111.920%	
50) Toluene-d8	10.439	98	556237	52.444	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.880%	
62) 4-Bromofluorobenzene	12.727	95	194226	48.208	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.420%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.934	64	169	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	2692	6.779	ug/l #	72
16) Acetone	4.304	43	7916	6.016	ug/l	96
18) Methyl Acetate	4.851	43	71	0.298	ug/l #	48
20) Methylene Chloride	5.087	84	837	0.268	ug/l #	47
22) Diisopropyl ether	6.569	45	4977	0.583	ug/l #	1
23) Vinyl Acetate	6.569	43	15242	2.065	ug/l #	68
25) 2-Butanone	7.340	43	1998	0.966	ug/l #	45
29) Tetrahydrofuran	7.698	42	455	0.363	ug/l #	29
31) Cyclohexane	8.087	56	6824	1.414	ug/l #	52
36) 1,1-Dichloropropene	8.081	75	22661	5.940	ug/l #	48
38) Carbon Tetrachloride	8.081	117	30131	6.382	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.769	83	924	0.260	ug/l #	25
76) 1,2,3-Trichloropropane	12.727	75	114718	26.723	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	114718	111.405	ug/l #	10
95) Naphthalene	15.515	128	1265	0.202	ug/l #	75

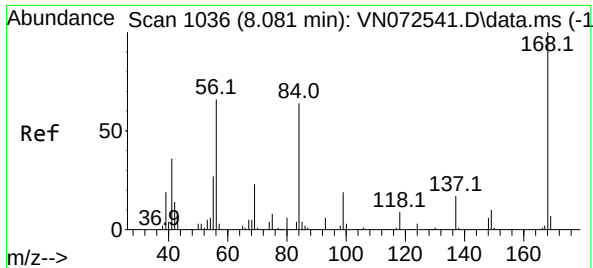
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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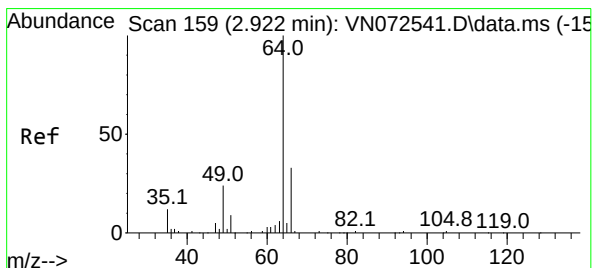
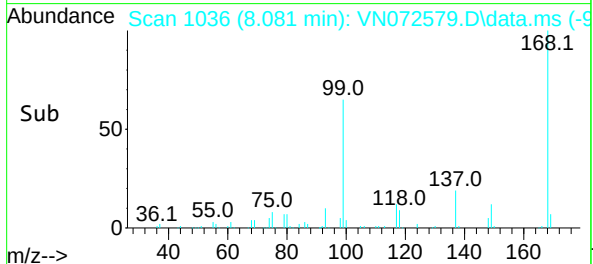
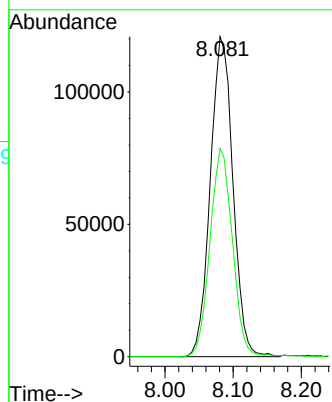
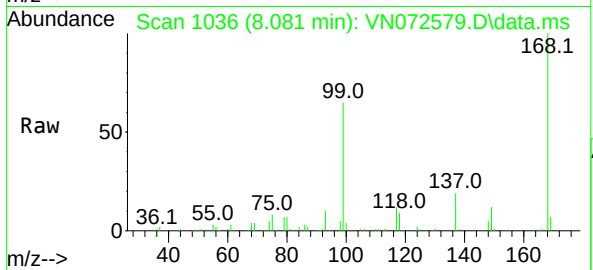




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

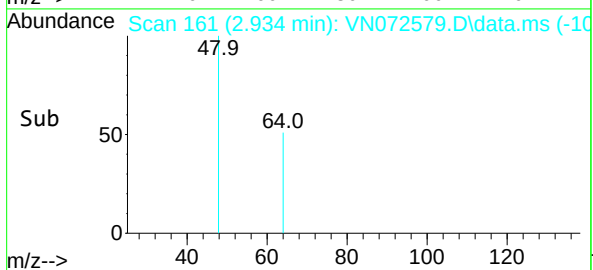
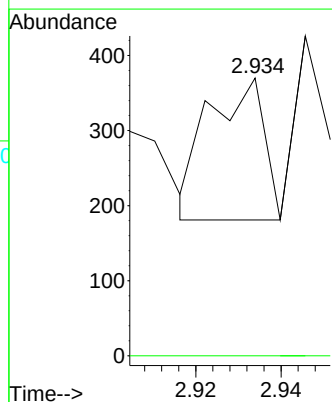
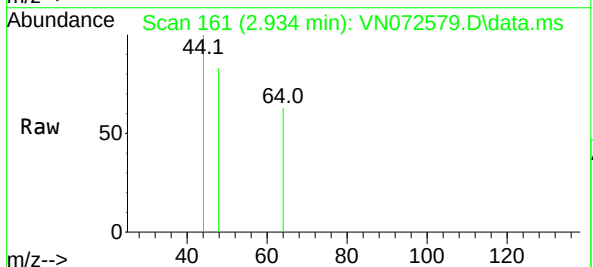
Instrument :
MSVOA_N
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31619

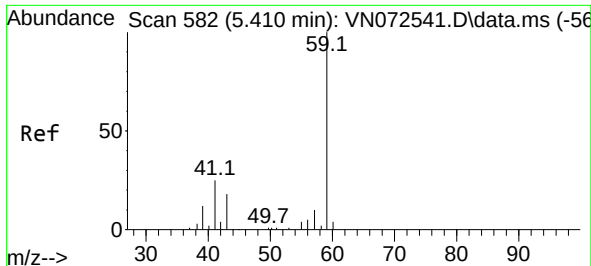
Tgt Ion:168 Resp: 279382
Ion Ratio Lower Upper
168 100
99 65.1 42.3 63.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 161
Delta R.T. 0.012 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

Tgt Ion: 64 Resp: 169
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 6.779 ug/l

RT: 5.316 min Scan# 50

Delta R.T. -0.094 min

Lab File: VN072579.D

Acq: 20 May 2022 16:00

Instrument :

MSVOA_N

ClientSampleId :

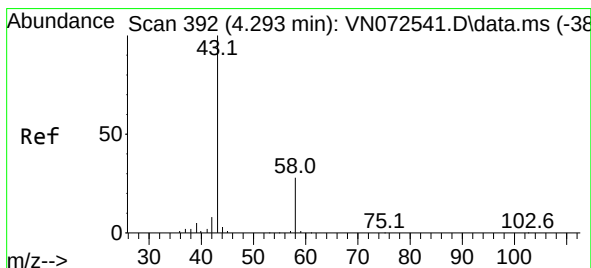
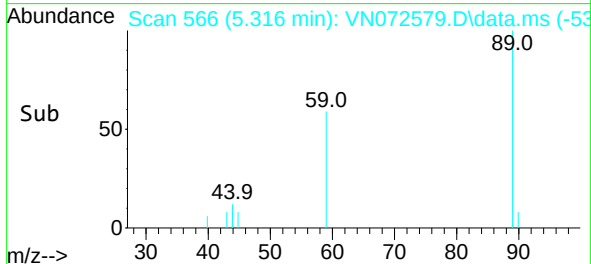
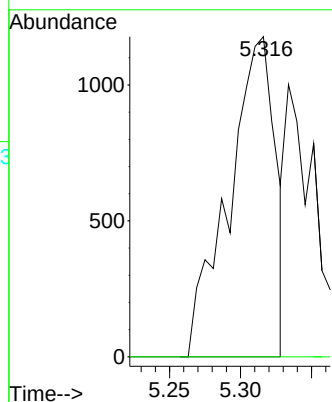
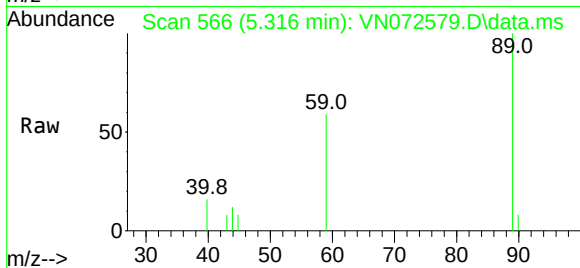
31619

Tgt Ion: 59 Resp: 2692

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 6.016 ug/l

RT: 4.304 min Scan# 394

Delta R.T. 0.011 min

Lab File: VN072579.D

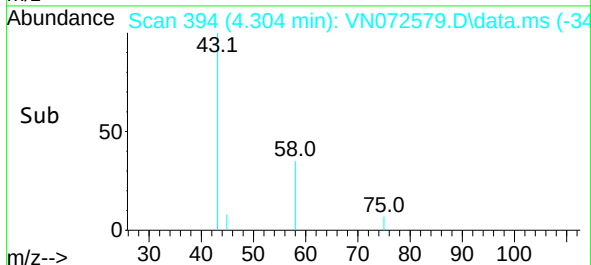
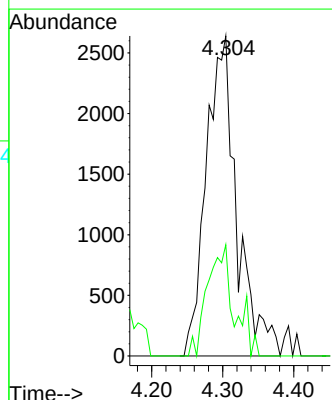
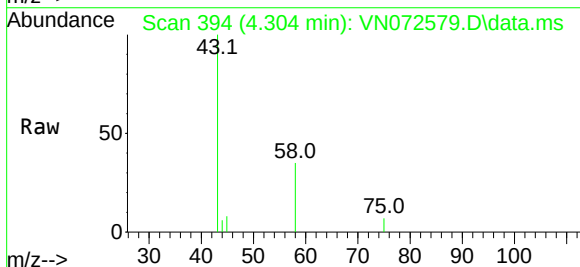
Acq: 20 May 2022 16:00

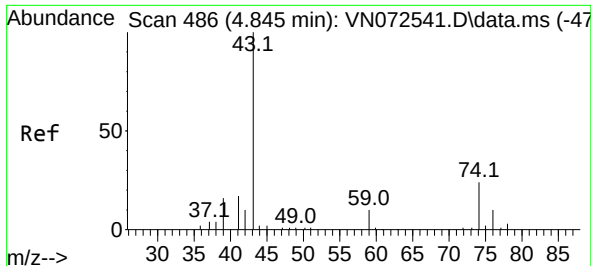
Tgt Ion: 43 Resp: 7916

Ion Ratio Lower Upper

43 100

58 34.8 26.0 39.0





#18

Methyl Acetate

Concen: 0.298 ug/l

RT: 4.851 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN072579.D

Acq: 20 May 2022 16:00

Instrument :

MSVOA_N

ClientSampleId :

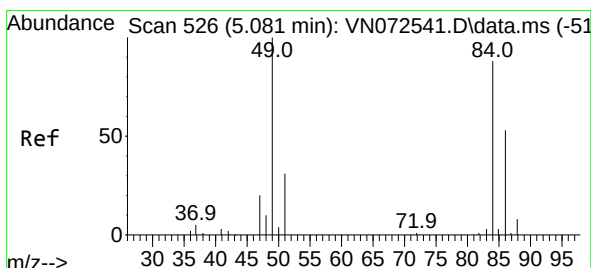
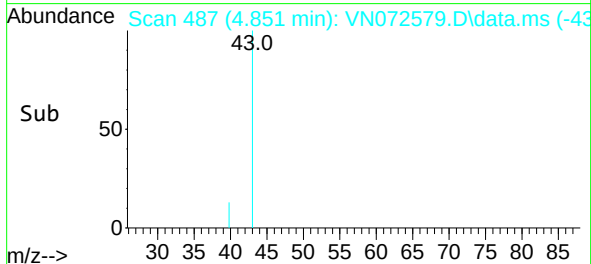
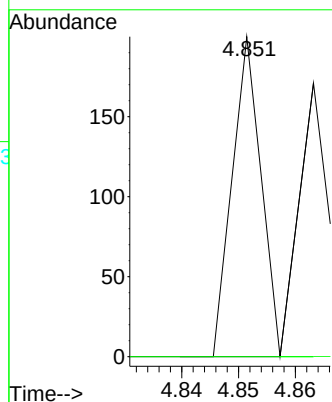
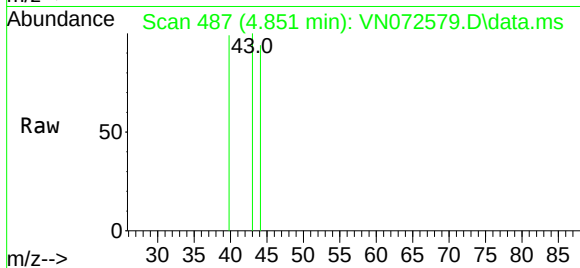
31619

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: 0.268 ug/l

RT: 5.087 min Scan# 527

Delta R.T. 0.006 min

Lab File: VN072579.D

Acq: 20 May 2022 16:00

Tgt Ion: 84 Resp: 837

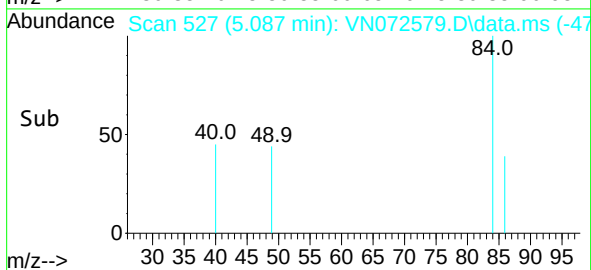
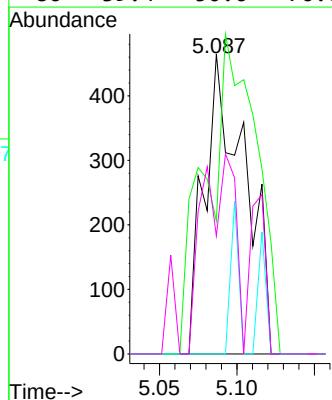
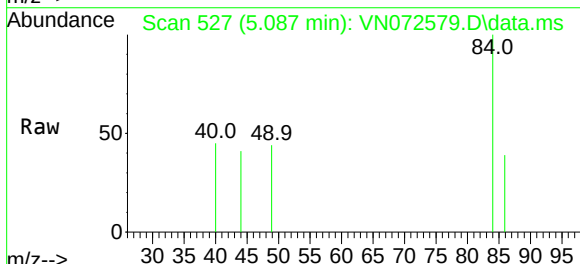
Ion Ratio Lower Upper

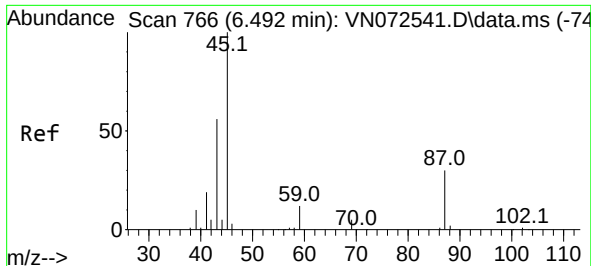
84 100

49 44.3 88.3 132.5#

51 0.0 28.2 42.2#

86 39.4 50.6 76.0#

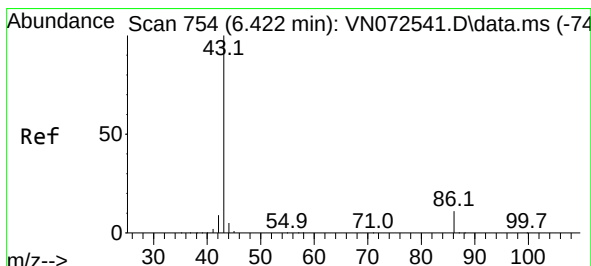
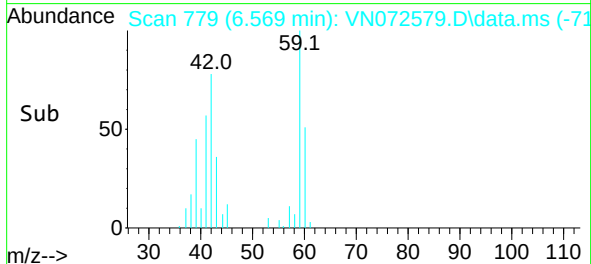
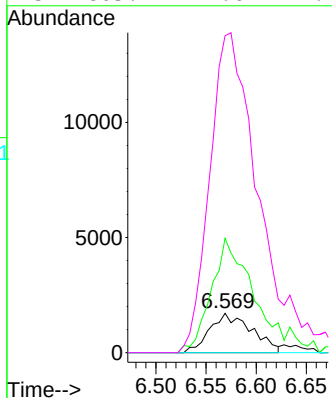
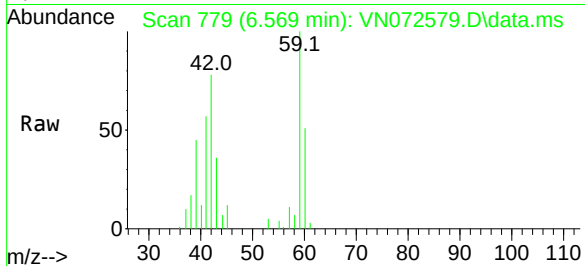




#22
Diisopropyl ether
Concen: 0.583 ug/l
RT: 6.569 min Scan# 719
Delta R.T. 0.077 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

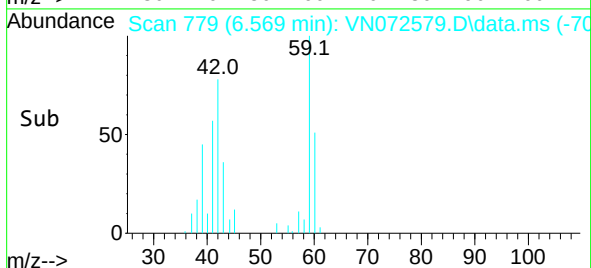
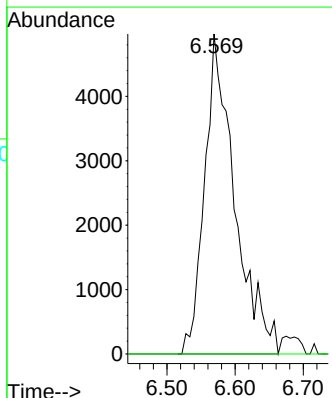
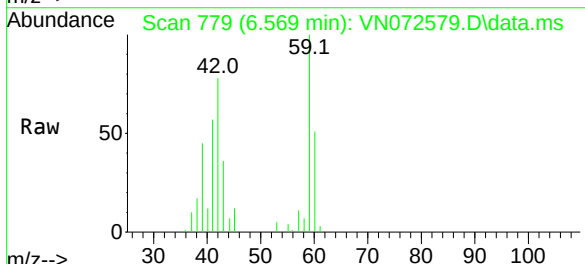
Instrument :
MSVOA_N
ClientSampleId :
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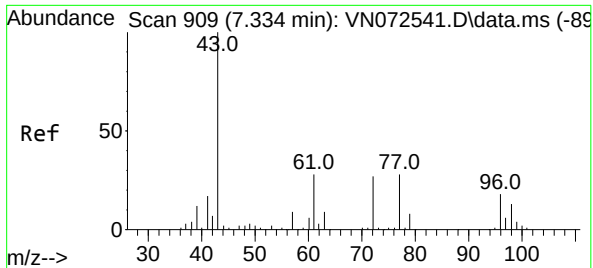
Tgt Ion: 45 Resp: 4977
Ion Ratio Lower Upper
45 100
43 290.3 46.6 70.0#
87 0.0 24.3 36.5#
59 803.9 9.6 14.4#



#23
Vinyl Acetate
Concen: 2.065 ug/l
RT: 6.569 min Scan# 779
Delta R.T. 0.147 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

Tgt Ion: 43 Resp: 15242
Ion Ratio Lower Upper
43 100
86 0.0 10.0 15.0#

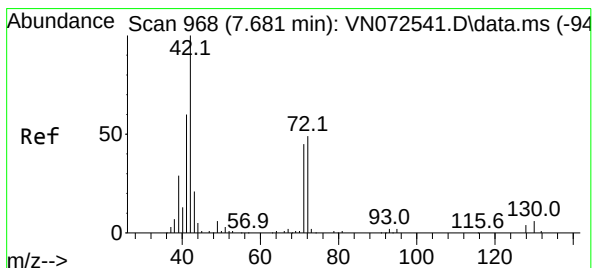
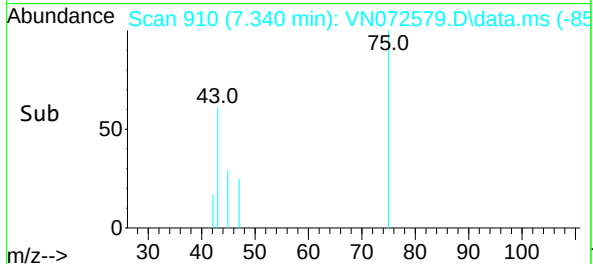
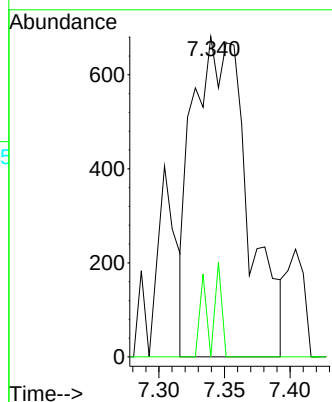
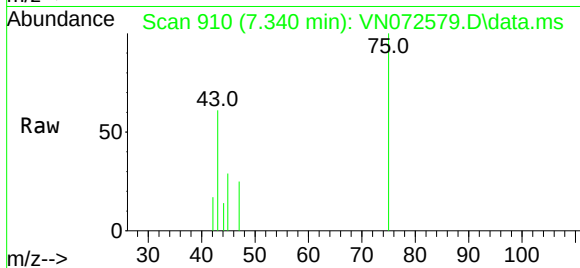




#25
2-Butanone
Concen: 0.966 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

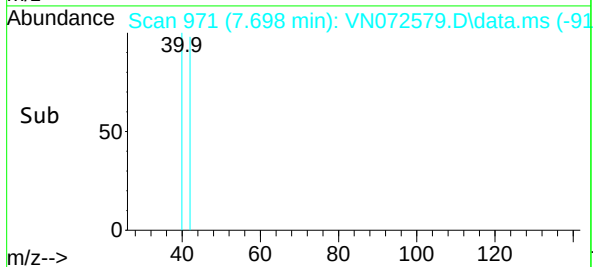
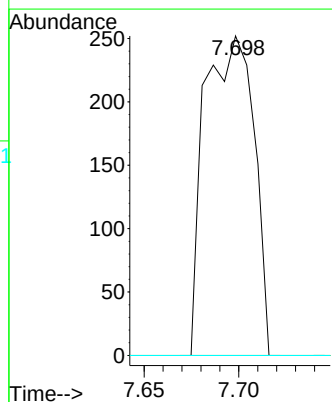
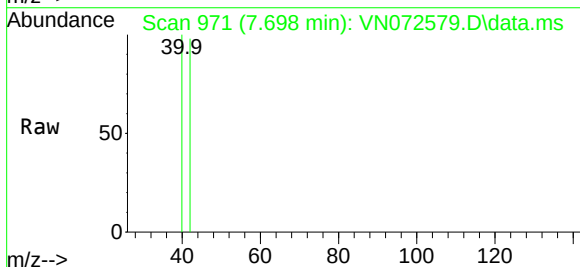
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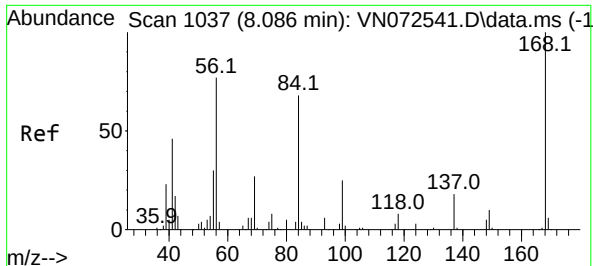
Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.363 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.017 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

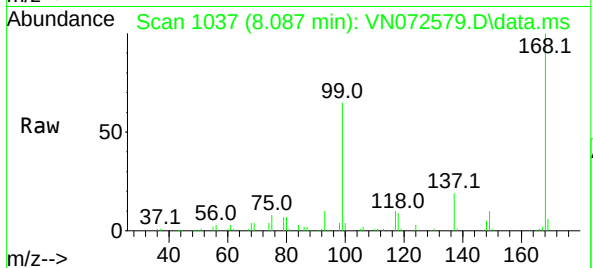
Tgt Ion: 42 Resp: 455
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 0.0 36.6 55.0#



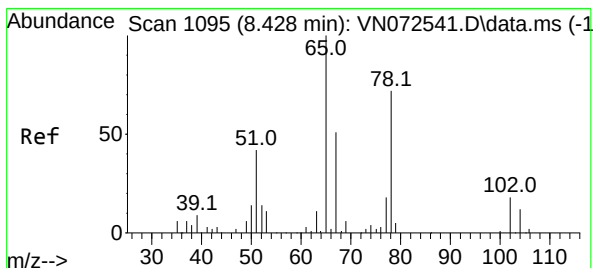
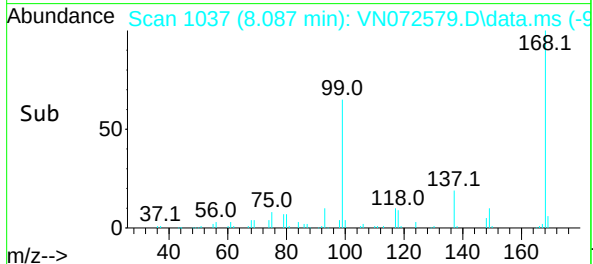
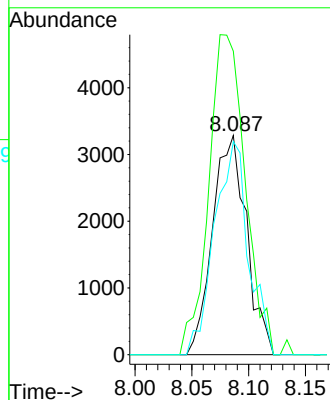


#31
Cyclohexane
Concen: 1.414 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

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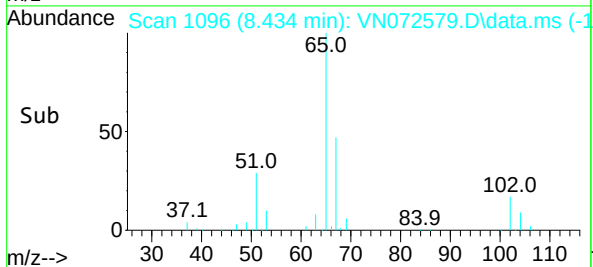
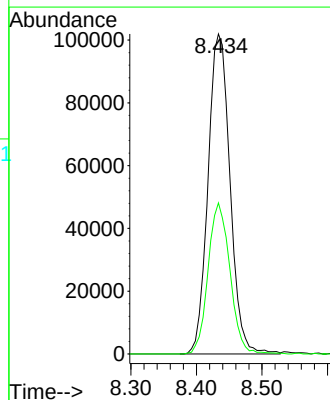
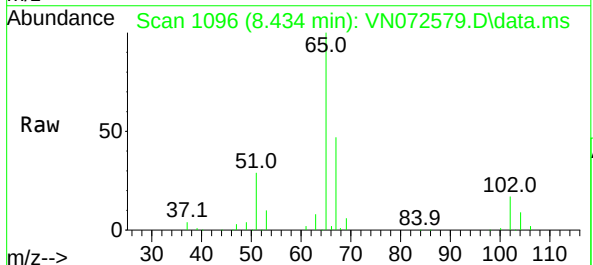


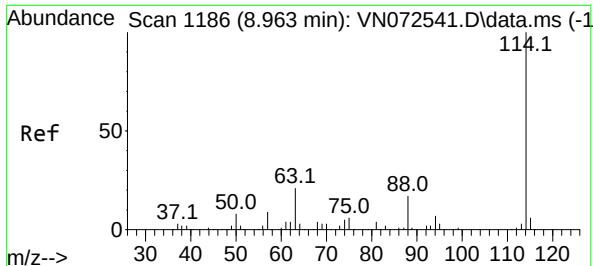
Tgt Ion: 56 Resp: 6824
Ion Ratio Lower Upper
56 100
69 138.5 27.8 41.8#
84 97.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 54.781 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

Tgt Ion: 65 Resp: 237793
Ion Ratio Lower Upper
65 100
67 46.9 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: VN072579.D

Acq: 20 May 2022 16:00

Instrument :

MSVOA_N

ClientSampleId :

31619

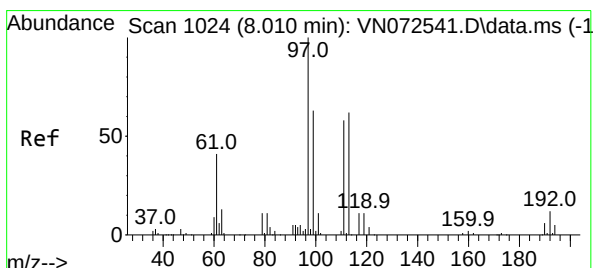
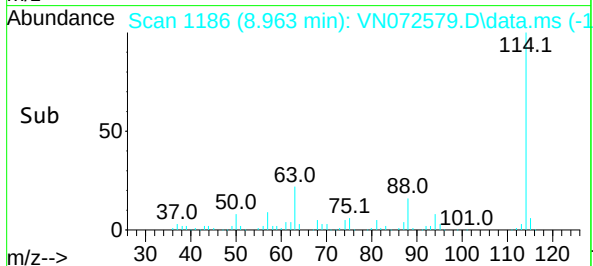
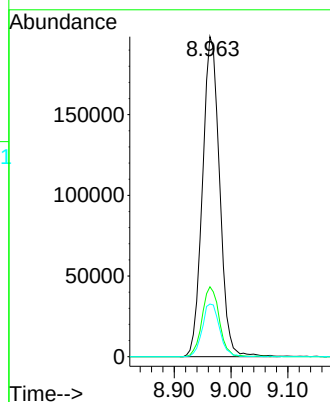
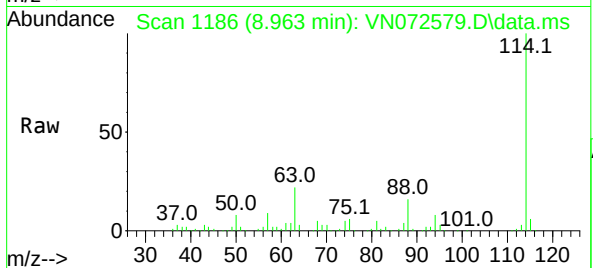
Tgt Ion:114 Resp: 415284

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.957 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.006 min

Lab File: VN072579.D

Acq: 20 May 2022 16:00

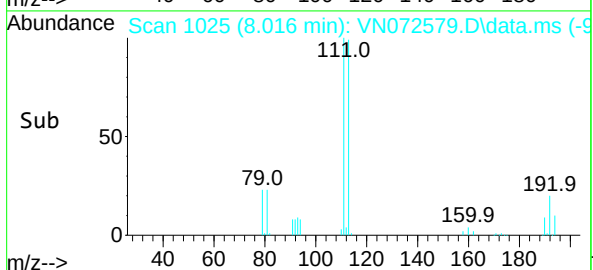
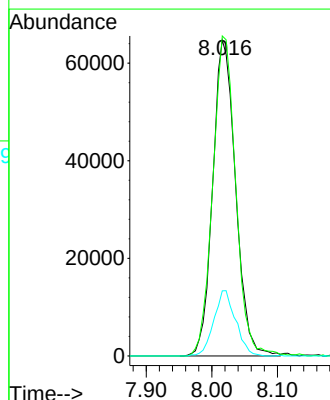
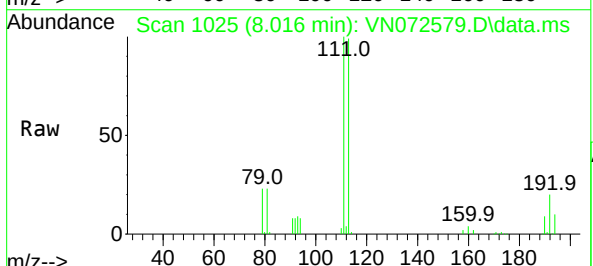
Tgt Ion:113 Resp: 156794

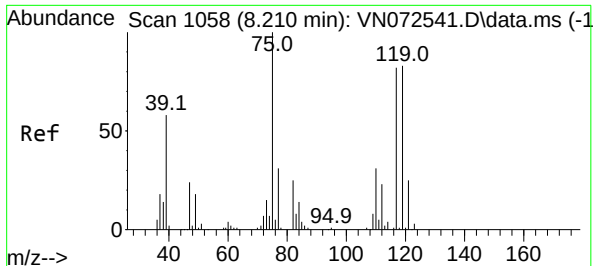
Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 19.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.940 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.129 min

Lab File: VN072579.D

Acq: 20 May 2022 16:00

Instrument :

MSVOA_N

ClientSampleId :

31619

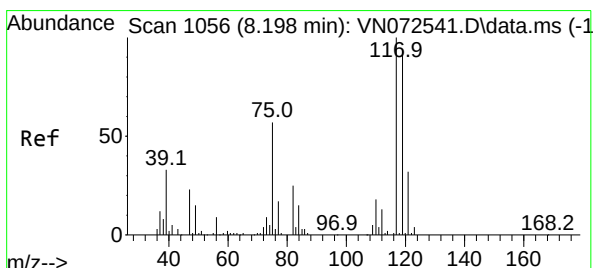
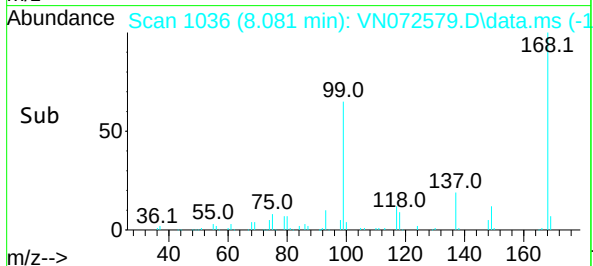
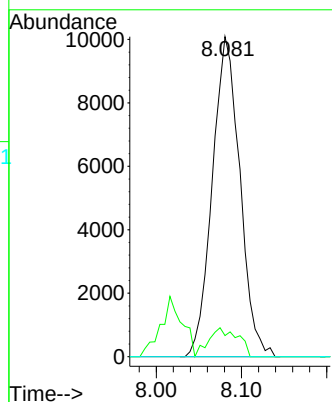
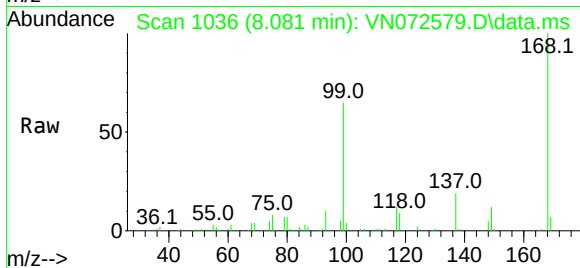
Tgt Ion: 75 Resp: 22661

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.382 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.117 min

Lab File: VN072579.D

Acq: 20 May 2022 16:00

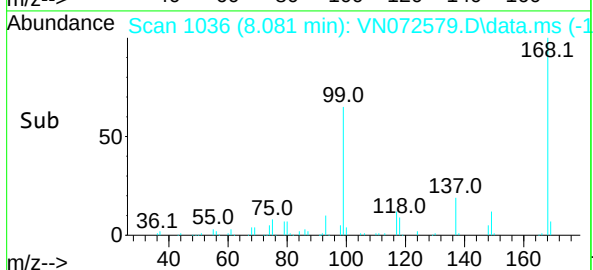
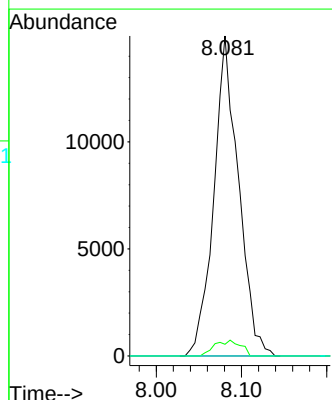
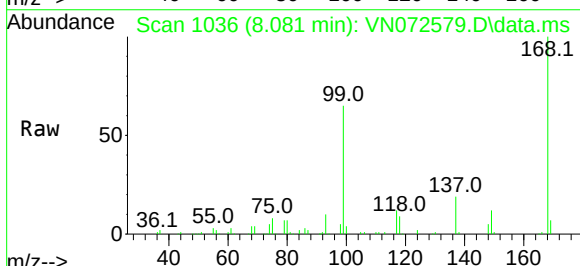
Tgt Ion: 117 Resp: 30131

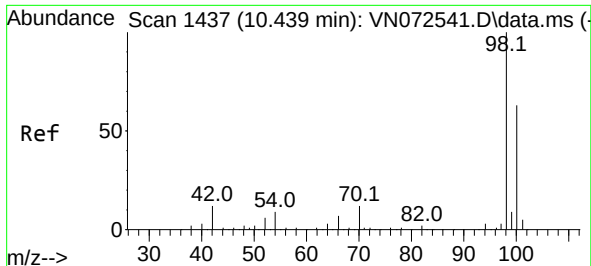
Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

121 0.0 24.6 37.0#

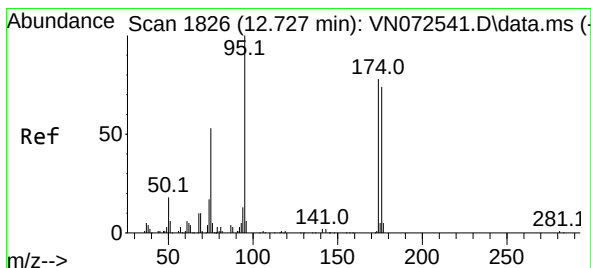
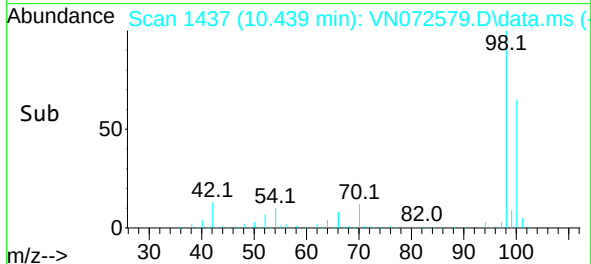
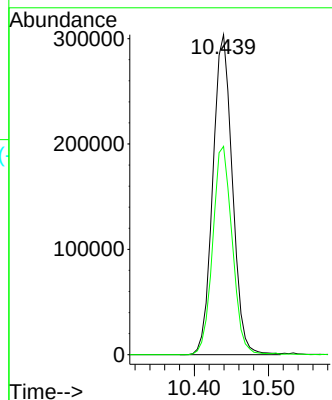
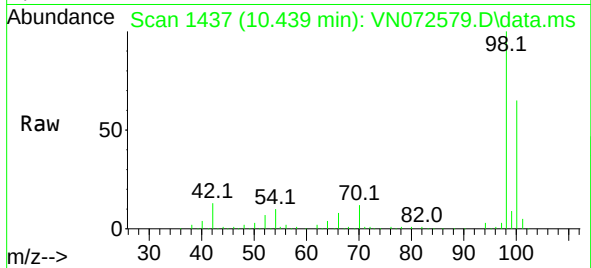




#50
Toluene-d8
Concen: 52.444 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

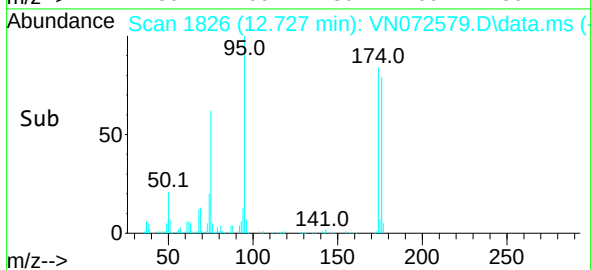
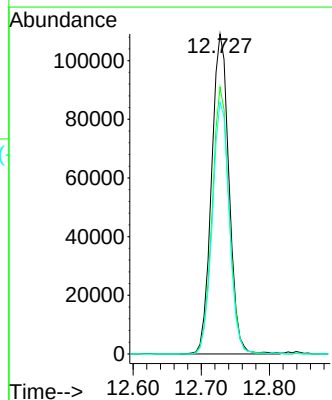
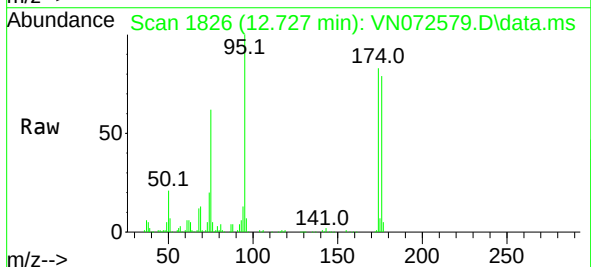
Instrument :
MSVOA_N
ClientSampleId :
31619

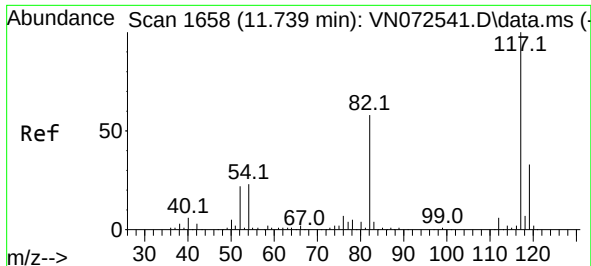
Tgt Ion: 98 Resp: 556237
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 48.208 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

Tgt Ion: 95 Resp: 194226
Ion Ratio Lower Upper
95 100
174 81.2 0.0 167.6
176 76.8 0.0 163.4

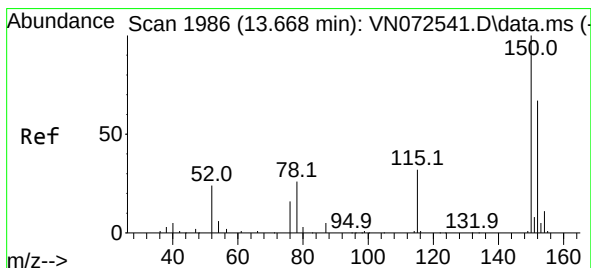
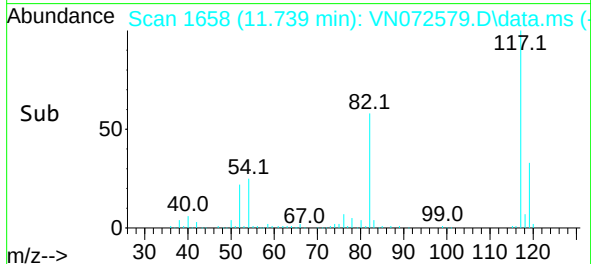
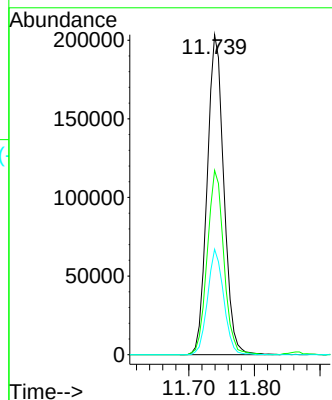
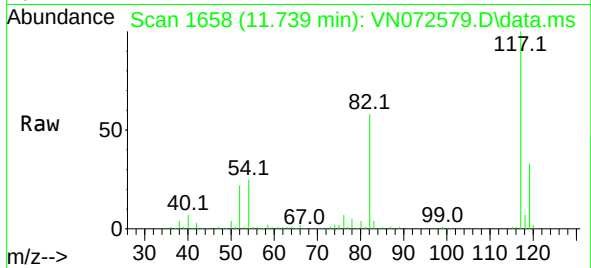




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

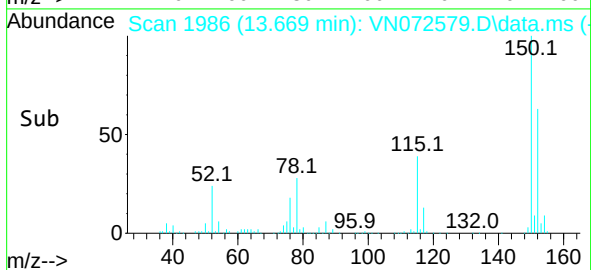
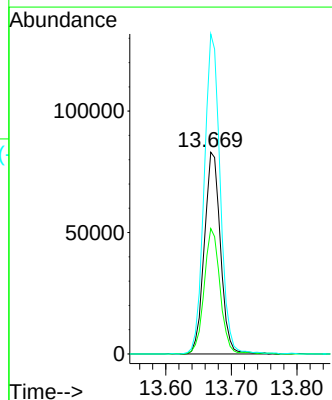
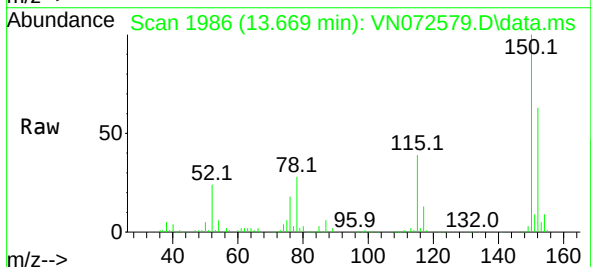
Instrument :
MSVOA_N
ClientSampleId :
31619

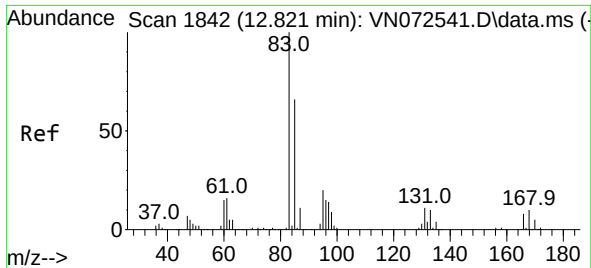
Tgt Ion:117 Resp: 359190
Ion Ratio Lower Upper
117 100
82 57.6 44.2 66.2
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

Tgt Ion:152 Resp: 142107
Ion Ratio Lower Upper
152 100
115 61.8 28.9 86.7
150 157.7 0.0 356.2

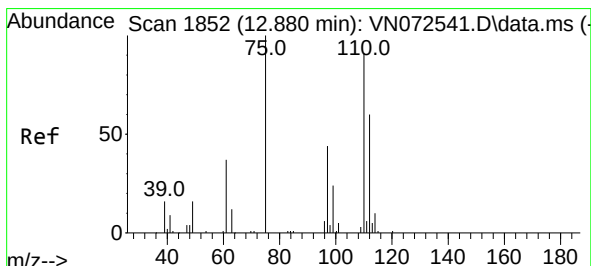
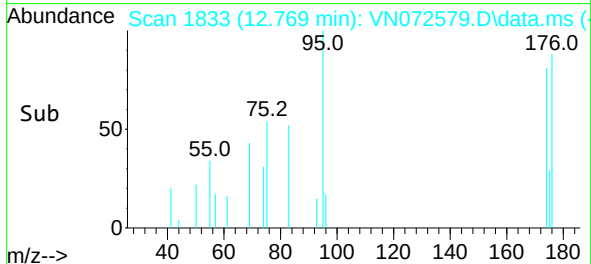
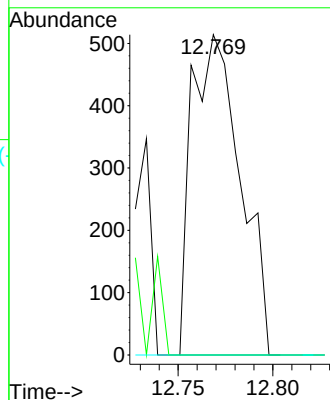
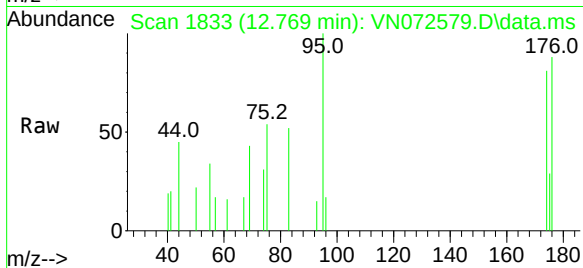




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.260 ug/l
 RT: 12.769 min Scan# 1842
 Delta R.T. -0.052 min
 Lab File: VN072579.D
 Acq: 20 May 2022 16:00

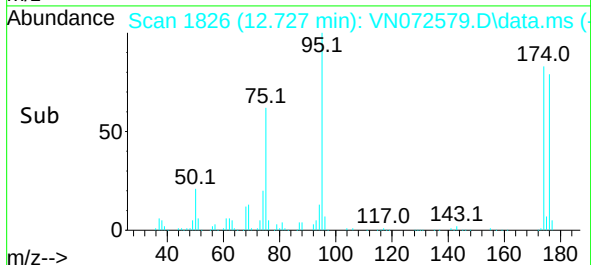
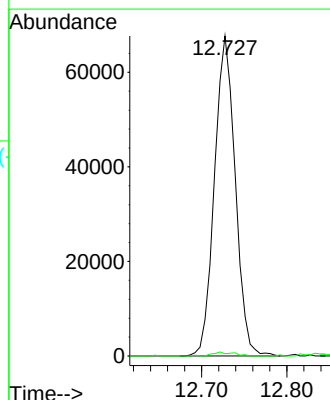
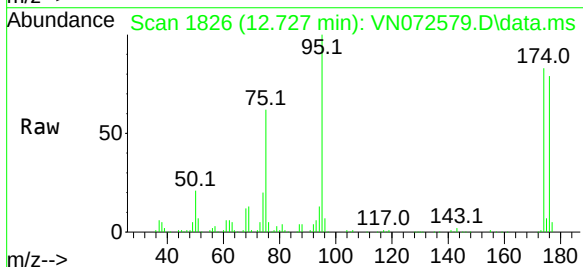
Instrument :
 MSVOA_N
 ClientSampleId :
 31619

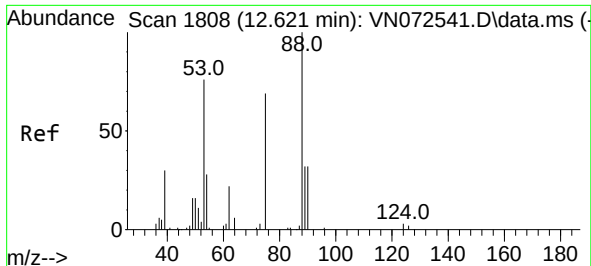
Tgt Ion: 83 Resp: 924
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.9#
 85 0.0 32.3 96.9#



#76
 1,2,3-Trichloropropane
 Concen: 26.723 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.153 min
 Lab File: VN072579.D
 Acq: 20 May 2022 16:00

Tgt Ion: 75 Resp: 114718
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

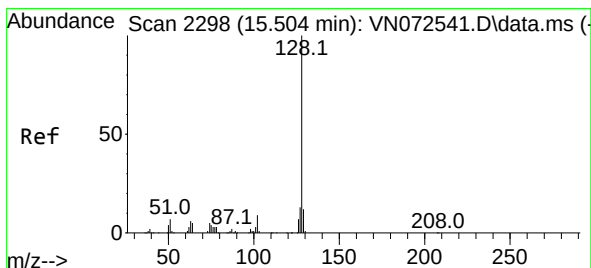
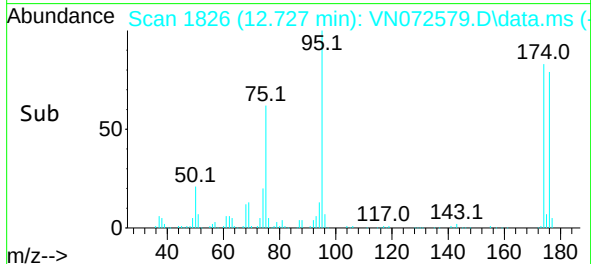
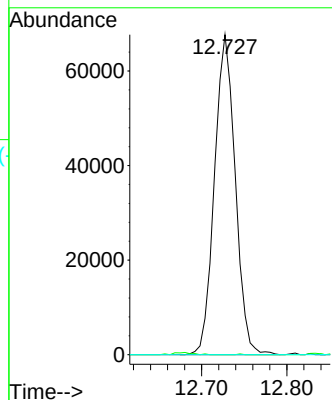
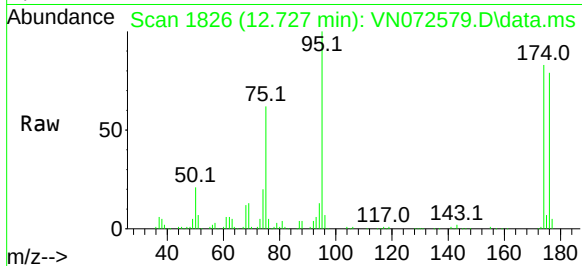




#81
trans-1,4-Dichloro-2-butene
Concen: 111.405 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

Instrument :
MSVOA_N
ClientSampleId :
31619

Tgt Ion: 75 Resp: 114718
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.202 ug/l
RT: 15.515 min Scan# 2300
Delta R.T. 0.011 min
Lab File: VN072579.D
Acq: 20 May 2022 16:00

Tgt Ion: 128 Resp: 1265
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 4.6 8.6 13.0#

