

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072607.D
 Acq On : 24 May 2022 23:44
 Operator : JC\MD
 Sample : N2968-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44

Quant Time: May 25 09:24:10 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)

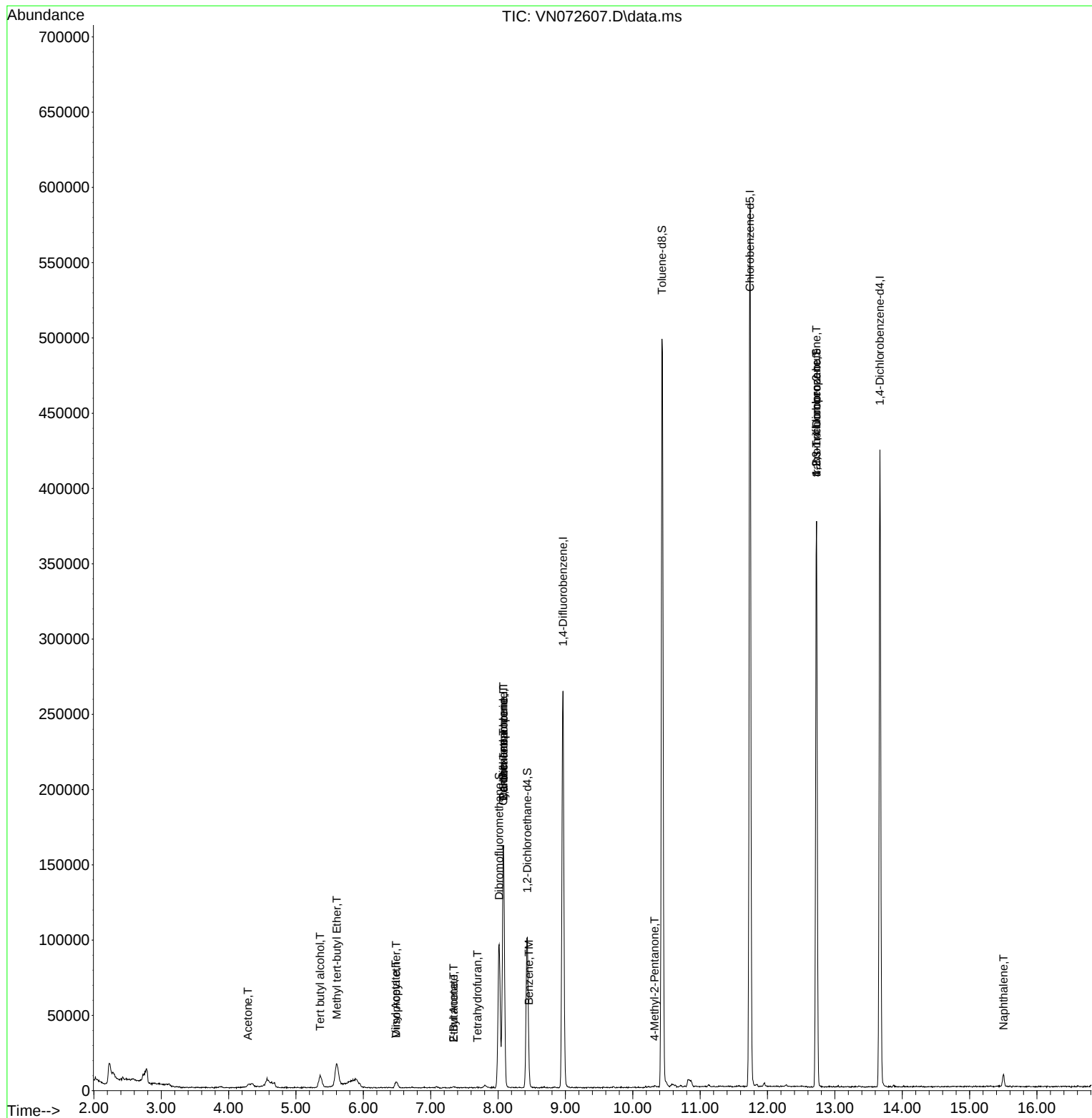
Internal Standards						
1) Pentafluorobenzene	8.081	168	129126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	234026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	351697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	116284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	81971	55.807	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.620%
35) Dibromofluoromethane	8.016	113	70511	46.487	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.980%
50) Toluene-d8	10.434	98	356474	61.550	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	123.100%
62) 4-Bromofluorobenzene	12.727	95	122690	65.134	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	130.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	760	Below Cal	#	43
6) Chloroethane	3.040	64	271	Below Cal	#	42
11) Tert butyl alcohol	5.357	59	15108	54.623	ug/l #	82
16) Acetone	4.287	43	2695	3.733	ug/l	100
18) Methyl Acetate	4.851	43	186	Below Cal	#	48
19) Methyl tert-butyl Ether	5.604	73	22542	5.600	ug/l	100
22) Diisopropyl ether	6.487	45	5420	1.204	ug/l #	85
23) Vinyl Acetate	6.481	43	2748	0.719	ug/l #	68
25) 2-Butanone	7.340	43	1401	1.150	ug/l #	45
29) Tetrahydrofuran	7.692	42	418	0.551	ug/l #	39
31) Cyclohexane	8.075	56	2511	1.079	ug/l #	7
36) 1,1-Dichloropropene	8.081	75	9343	4.354	ug/l #	48
37) Ethyl Acetate	7.340	43	1401	0.499	ug/l #	67
38) Carbon Tetrachloride	8.081	117	11970	5.284	ug/l #	16
40) Benzene	8.457	78	1759	0.254	ug/l	98
51) 4-Methyl-2-Pentanone	10.322	43	1003	0.368	ug/l #	61
76) 1,2,3-Trichloropropane	12.727	75	64325	20.375	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	64325	59.793	ug/l #	10
95) Naphthalene	15.504	128	9278	1.282	ug/l	99

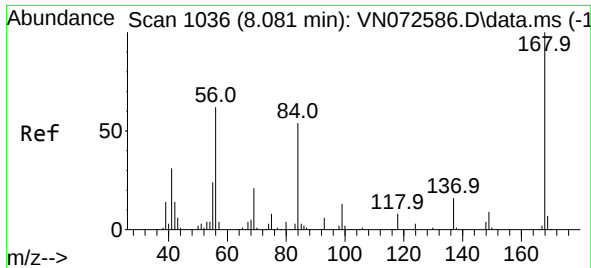
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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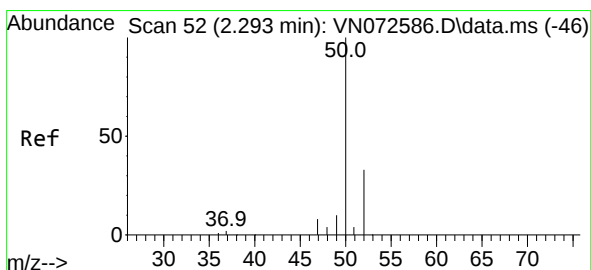
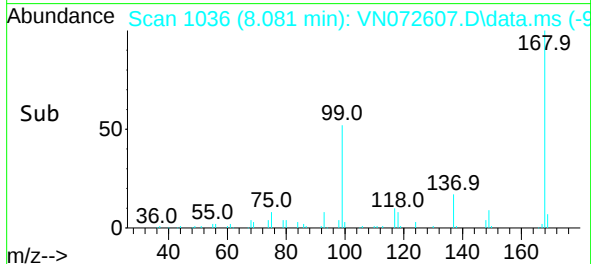
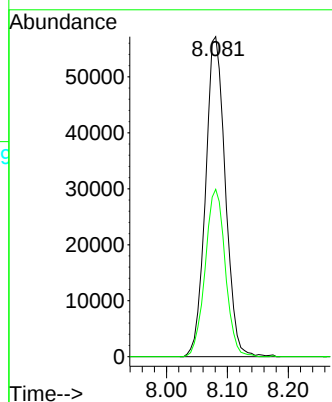
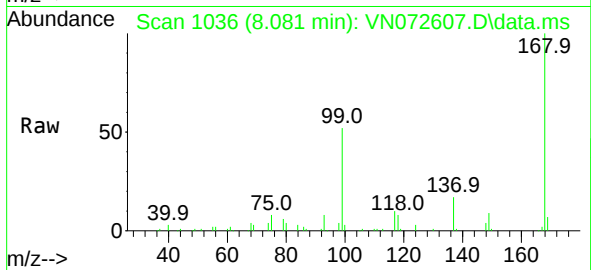




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

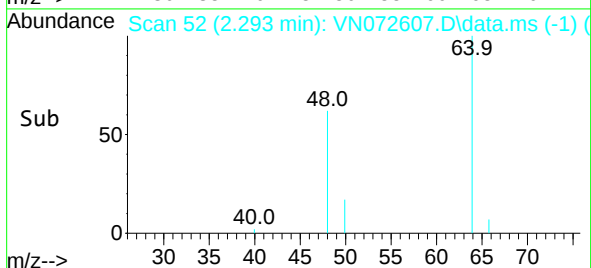
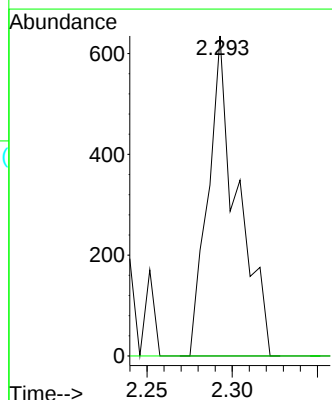
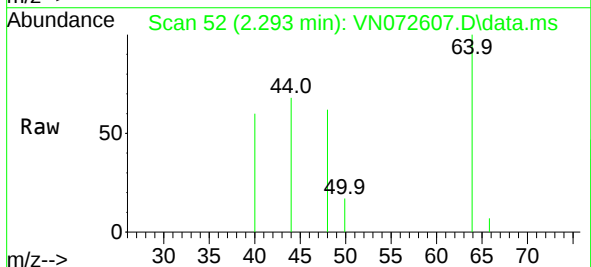
Instrument :
MSVOA_N
ClientSampleId :
MW-44

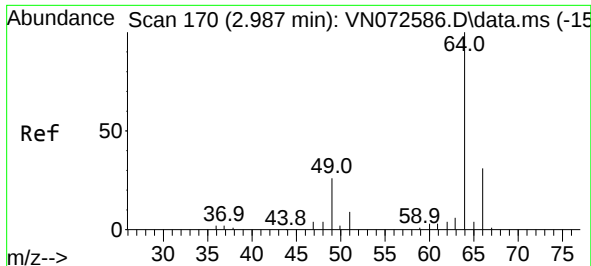
Tgt Ion:168 Resp: 129126
Ion Ratio Lower Upper
168 100
99 52.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

Tgt Ion: 50 Resp: 760
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

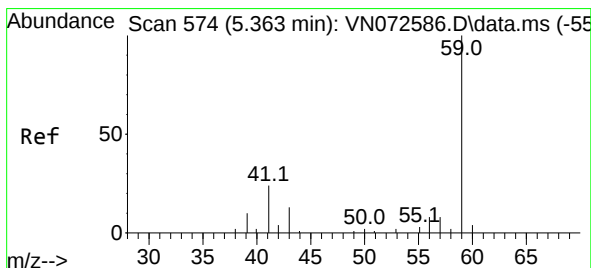
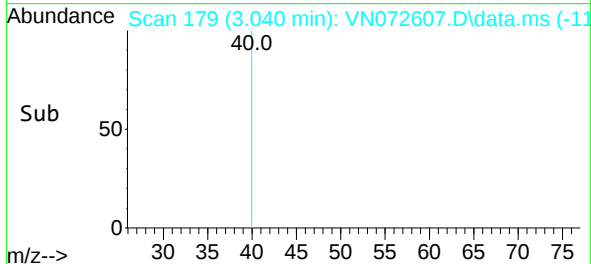
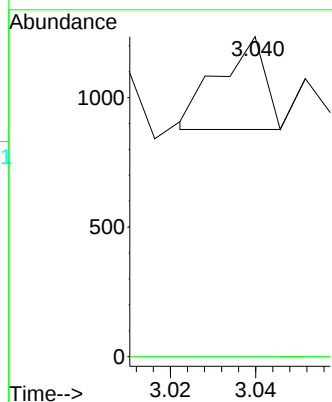
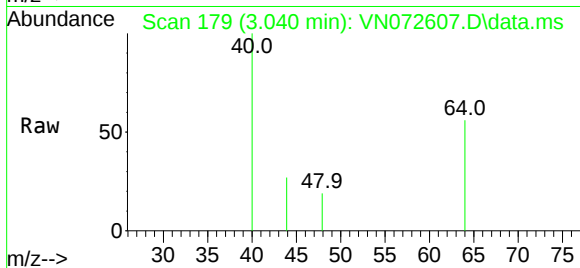




#6
Chloroethane
Concen: Below Cal
RT: 3.040 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

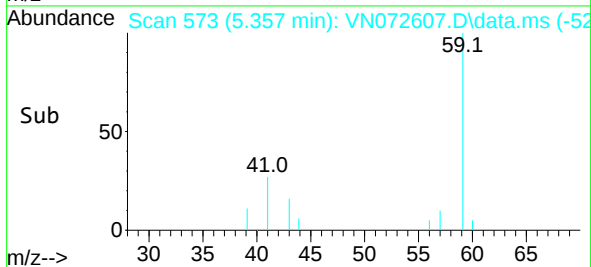
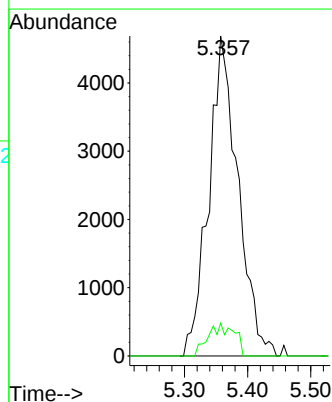
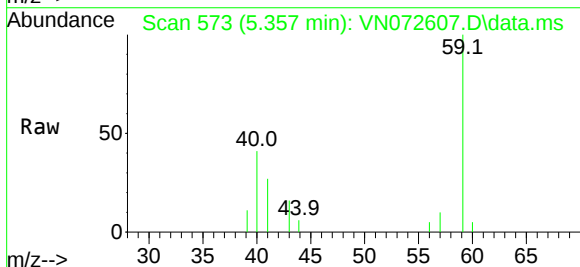
Instrument :
MSVOA_N
ClientSampleId :
MW-44

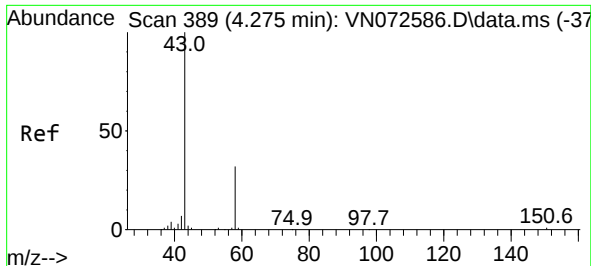
Tgt Ion: 64 Resp: 271
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 54.623 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.006 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

Tgt Ion: 59 Resp: 15108
Ion Ratio Lower Upper
59 100
57 3.8 8.3 12.5#

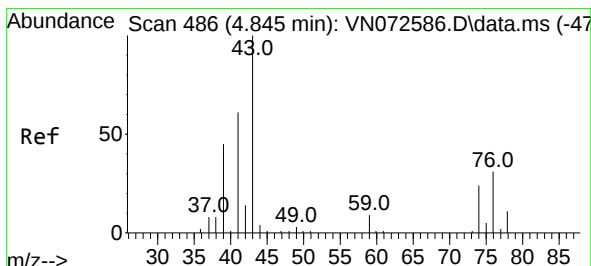
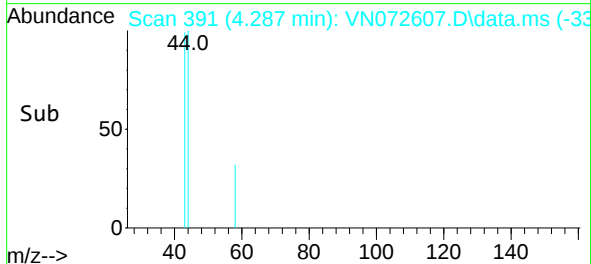
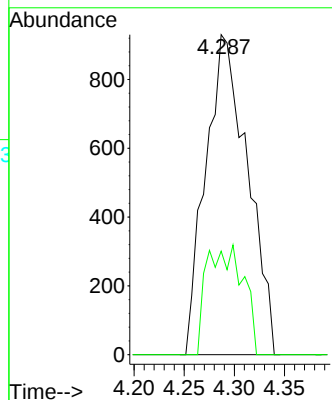
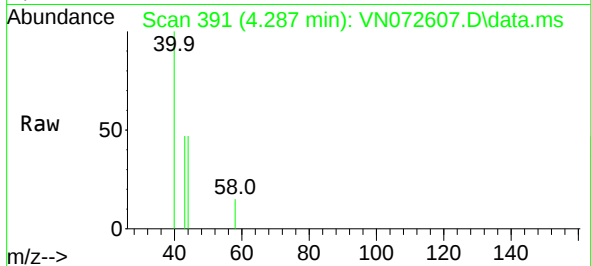




#16
Acetone
Concen: 3.733 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

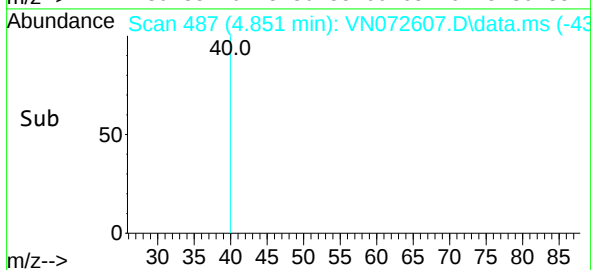
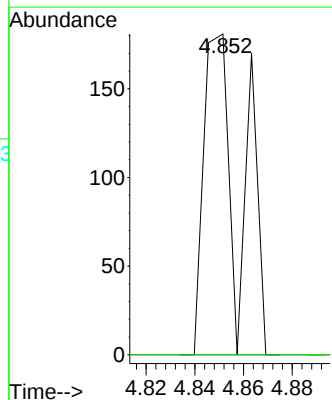
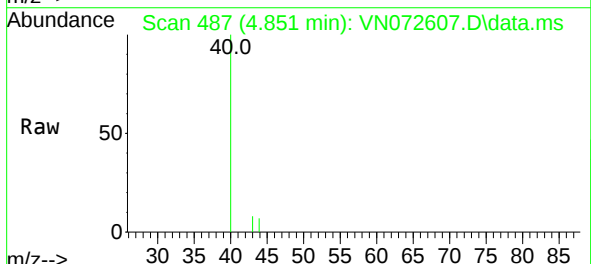
Instrument :
MSVOA_N
ClientSampleId :
MW-44

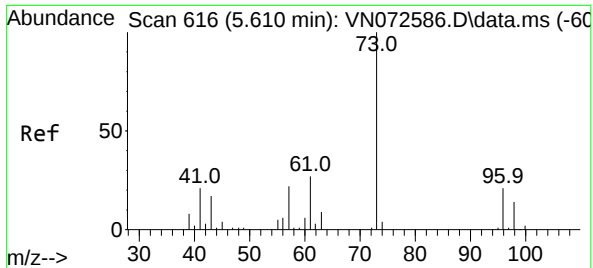
Tgt Ion: 43 Resp: 2695
Ion Ratio Lower Upper
43 100
58 32.4 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

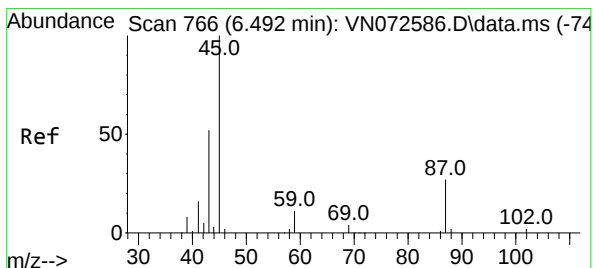
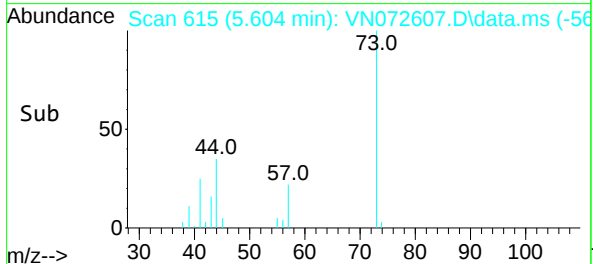
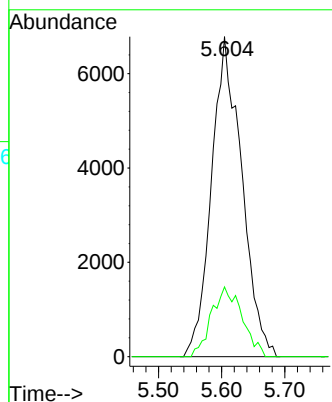
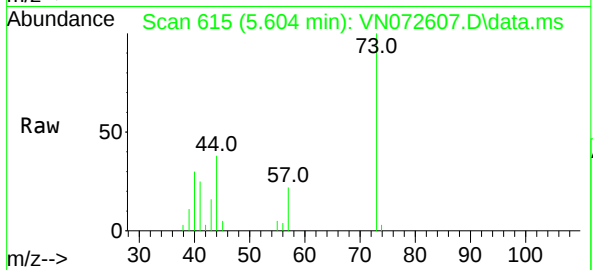




#19
Methyl tert-butyl Ether
Concen: 5.600 ug/l
RT: 5.604 min Scan# 615
Delta R.T. -0.006 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

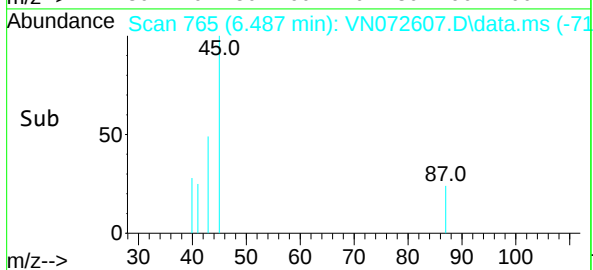
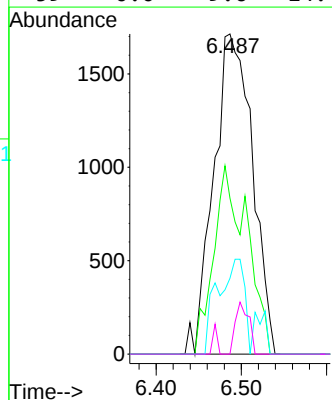
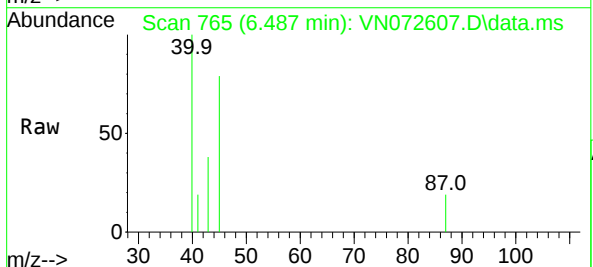
Instrument :
MSVOA_N
ClientSampleId :
MW-44

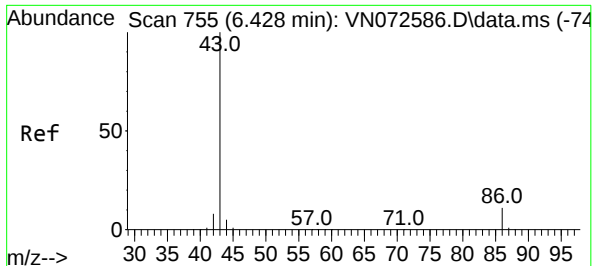
Tgt Ion: 73 Resp: 22542
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#22
Diisopropyl ether
Concen: 1.204 ug/l
RT: 6.487 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

Tgt Ion: 45 Resp: 5420
Ion Ratio Lower Upper
45 100
43 48.7 46.6 70.0
87 23.7 24.3 36.5#
59 0.0 9.6 14.4#

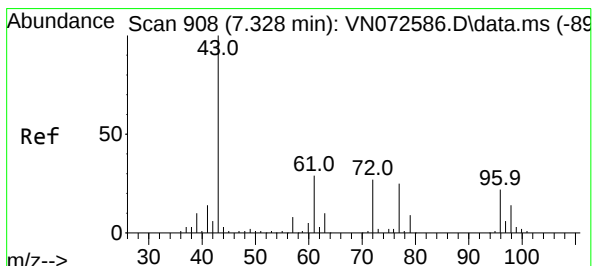
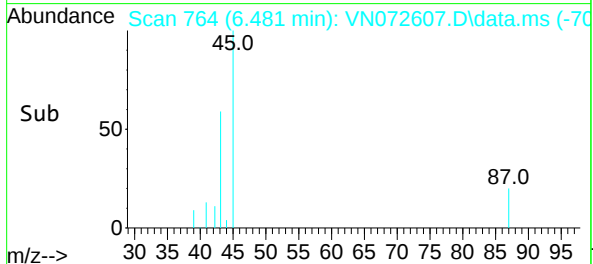
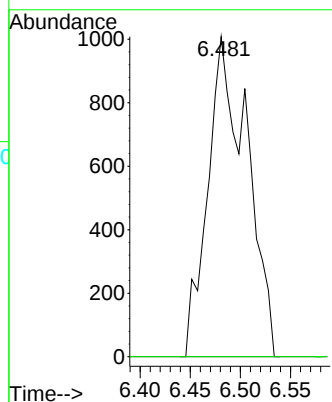
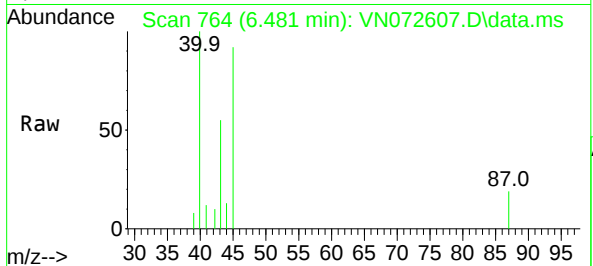




#23
 Vinyl Acetate
 Concen: 0.719 ug/l
 RT: 6.481 min Scan# 71
 Delta R.T. 0.053 min
 Lab File: VN072607.D
 Acq: 24 May 2022 23:44

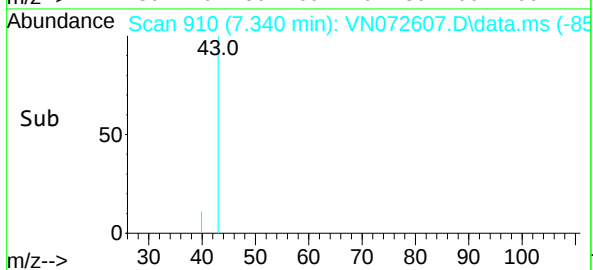
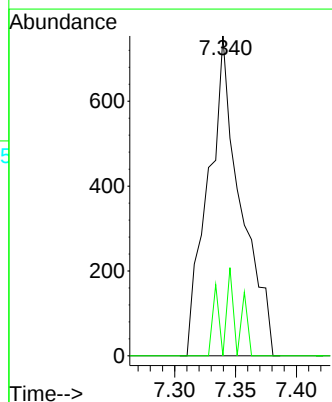
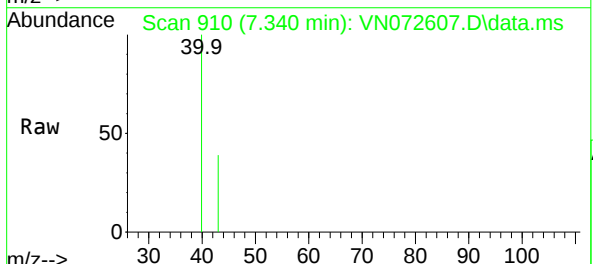
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44

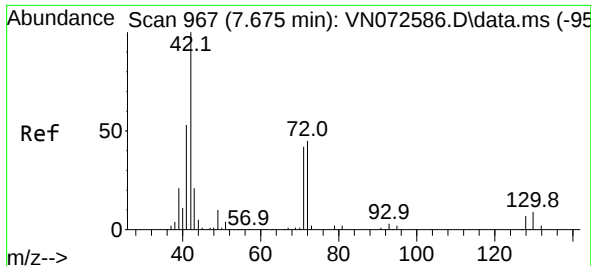
Tgt Ion: 43 Resp: 2748
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 1.150 ug/l
 RT: 7.340 min Scan# 910
 Delta R.T. 0.012 min
 Lab File: VN072607.D
 Acq: 24 May 2022 23:44

Tgt Ion: 43 Resp: 1401
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.551 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

Instrument :

MSVOA_N

ClientSampleId :

MW-44

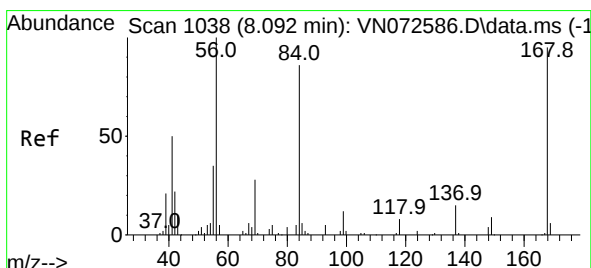
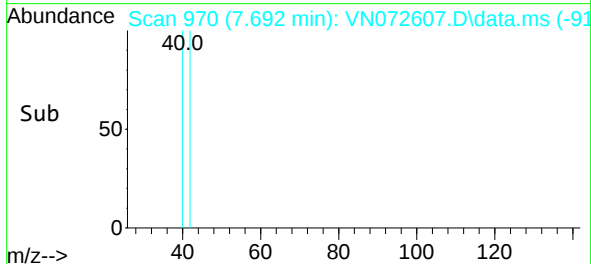
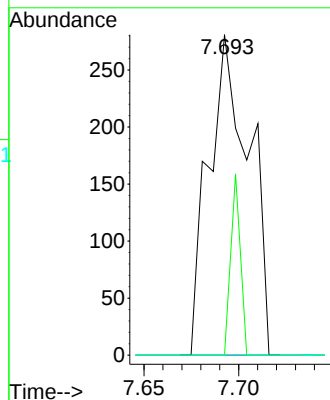
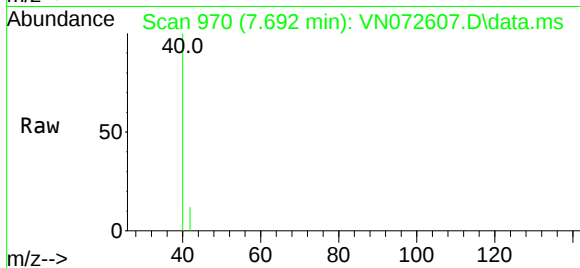
Tgt Ion: 42 Resp: 418

Ion Ratio Lower Upper

42 100

72 13.4 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.017 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

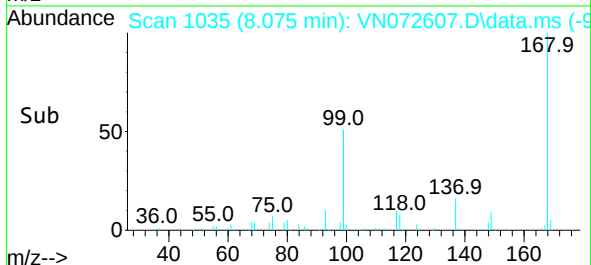
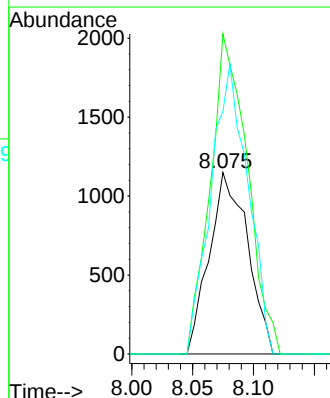
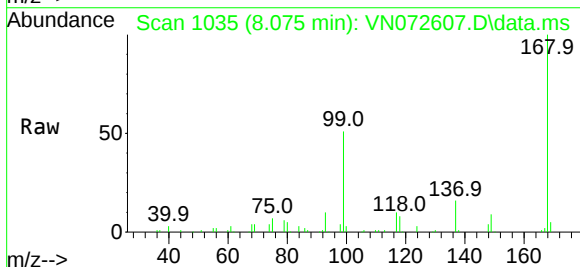
Tgt Ion: 56 Resp: 2511

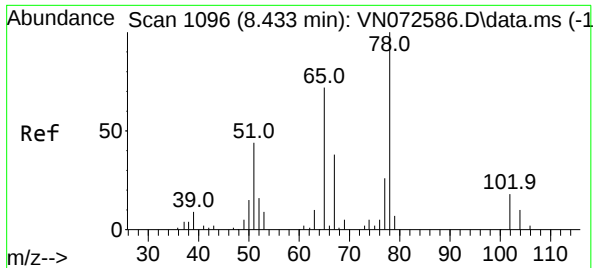
Ion Ratio Lower Upper

56 100

69 176.4 27.8 41.8#

84 133.8 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 55.807 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.001 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

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MSVOA_N

ClientSampleId :

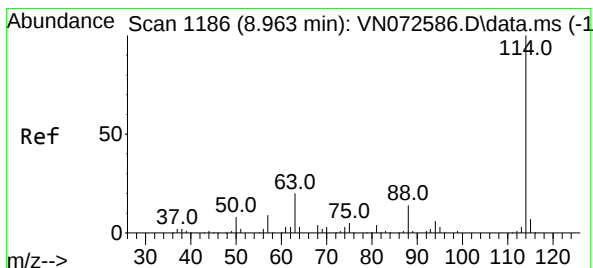
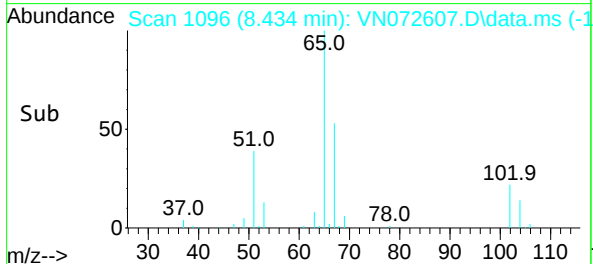
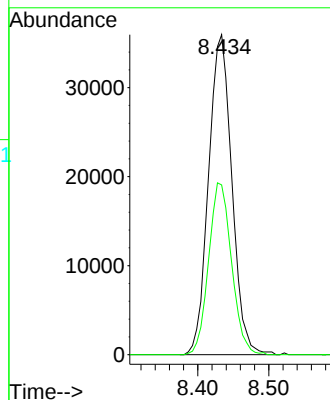
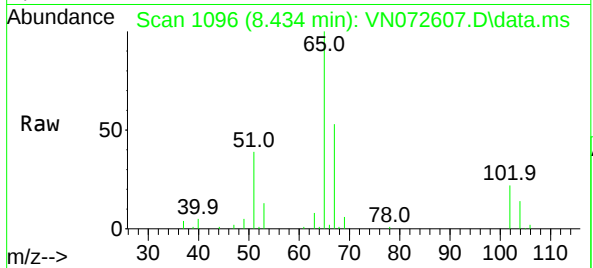
MW-44

Tgt Ion: 65 Resp: 81971

Ion Ratio Lower Upper

65 100

67 52.8 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: VN072607.D

Acq: 24 May 2022 23:44

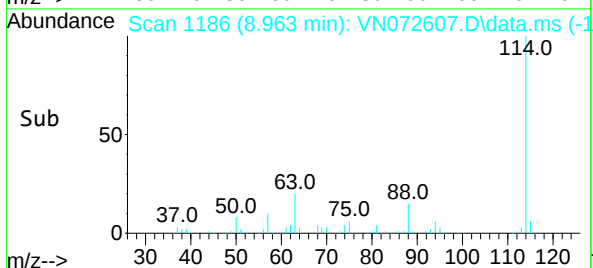
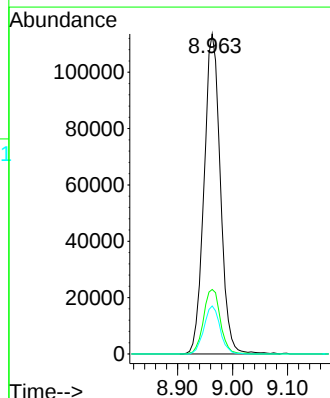
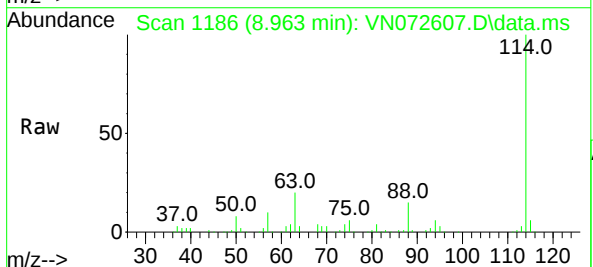
Tgt Ion: 114 Resp: 234026

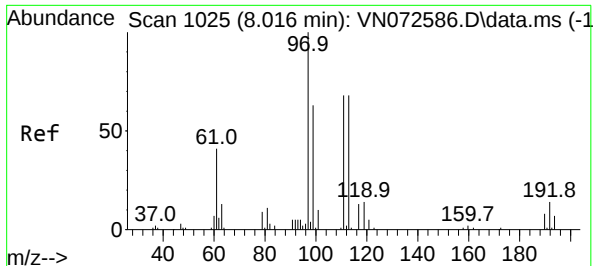
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.487 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

Instrument :

MSVOA_N

ClientSampleId :

MW-44

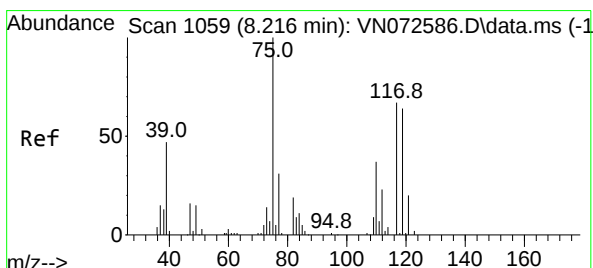
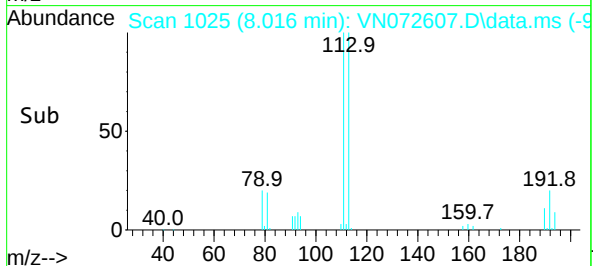
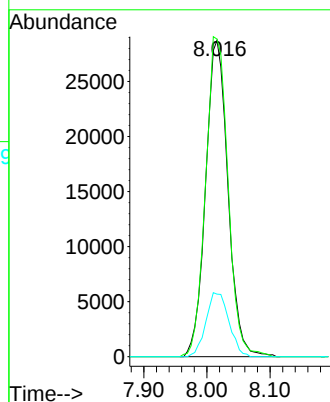
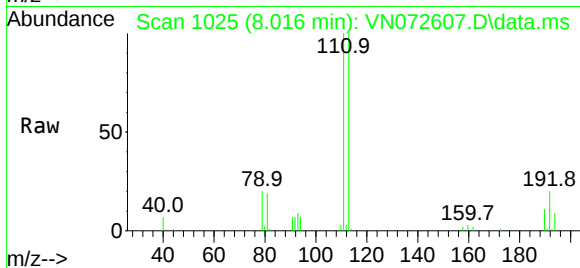
Tgt Ion:113 Resp: 70511

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 20.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.354 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

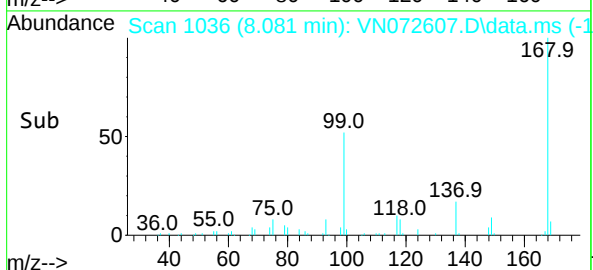
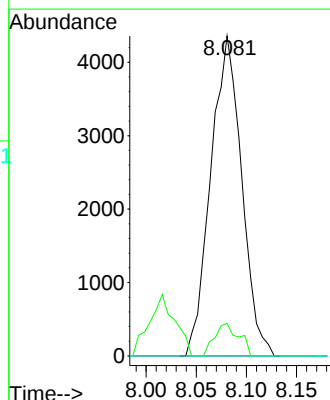
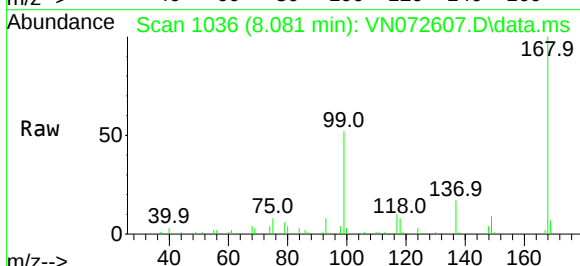
Tgt Ion: 75 Resp: 9343

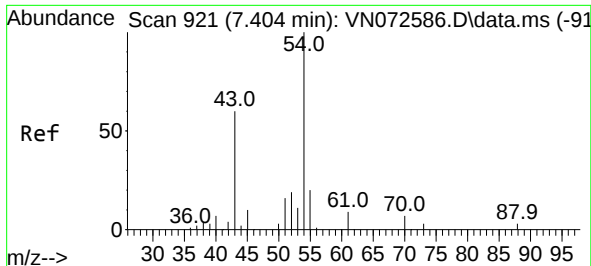
Ion Ratio Lower Upper

75 100

110 8.0 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.499 ug/l

RT: 7.340 min Scan# 91

Delta R.T. -0.064 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

Instrument :

MSVOA_N

ClientSampleId :

MW-44

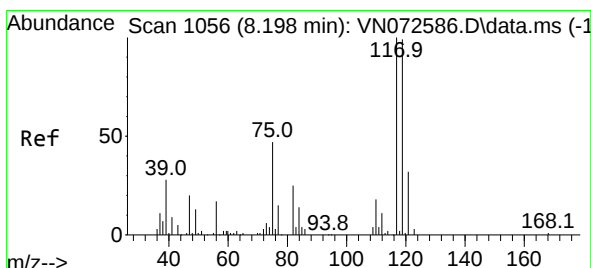
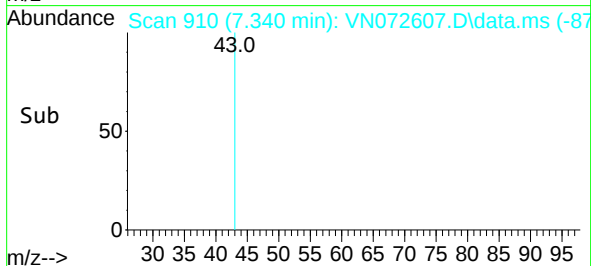
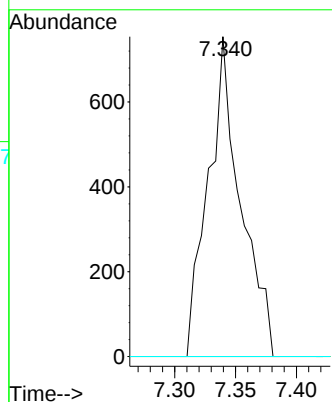
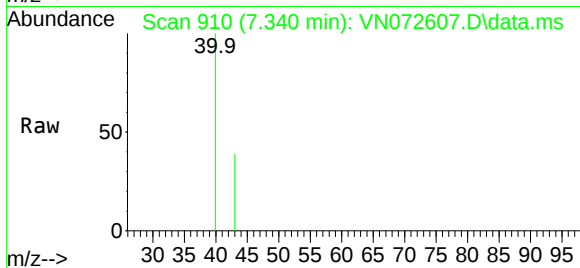
Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.284 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.117 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

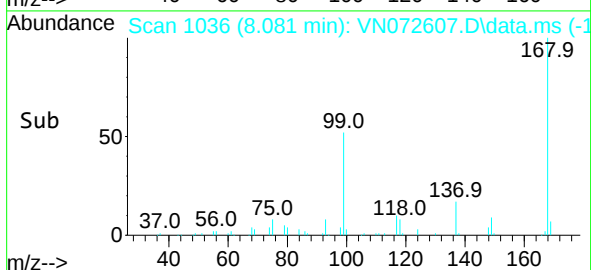
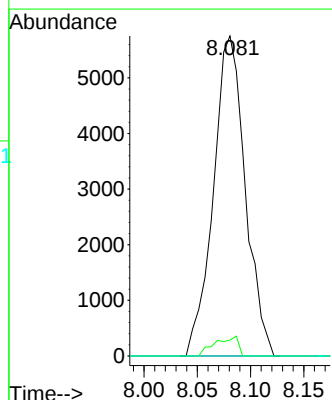
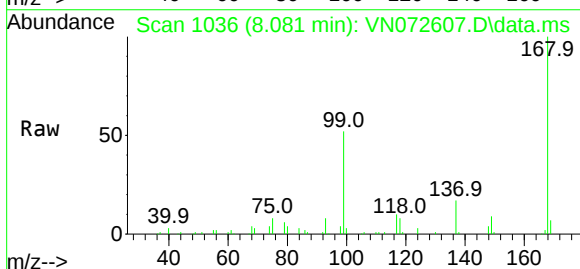
Tgt Ion: 117 Resp: 11970

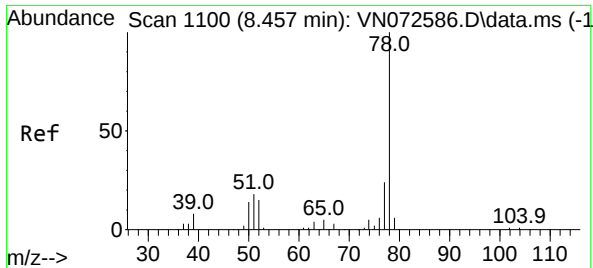
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

121 0.0 24.6 37.0#

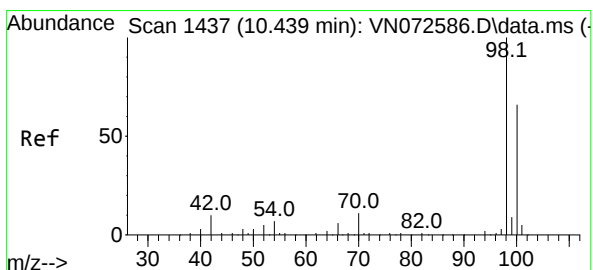
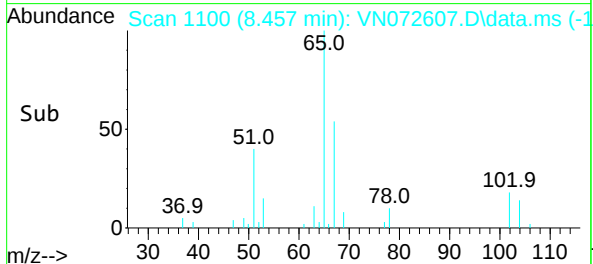
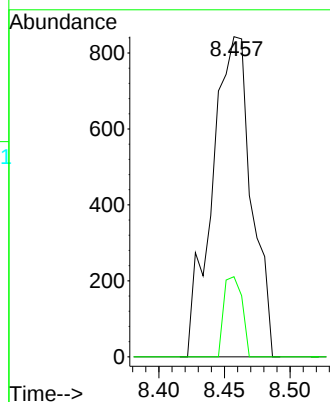
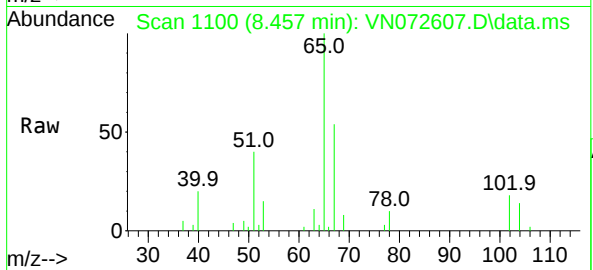




#40
Benzene
Concen: 0.254 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

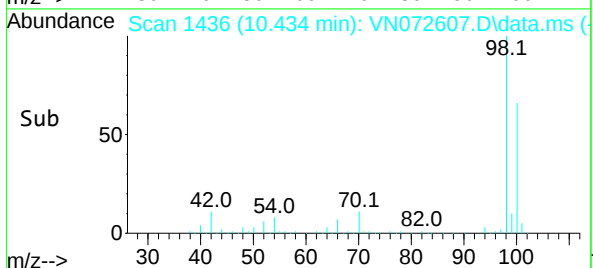
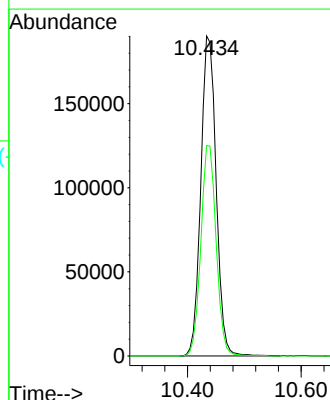
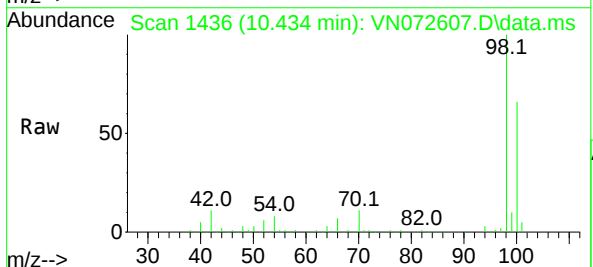
Instrument :
MSVOA_N
ClientSampleId :
MW-44

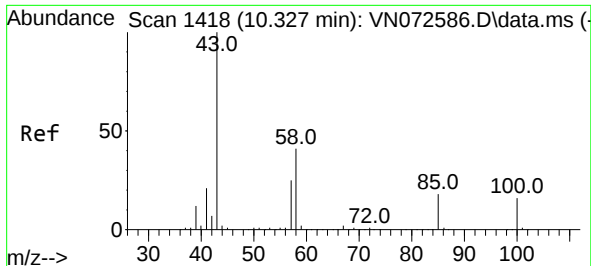
Tgt Ion: 78 Resp: 1759
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.0



#50
Toluene-d8
Concen: 61.550 ug/l
RT: 10.434 min Scan# 1436
Delta R.T. -0.005 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

Tgt Ion: 98 Resp: 356474
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.368 ug/l

RT: 10.322 min Scan# 1418

Delta R.T. -0.005 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

Instrument :

MSVOA_N

ClientSampleId :

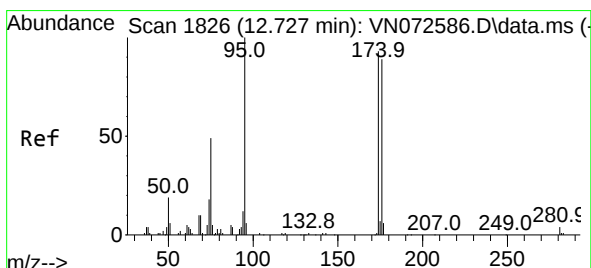
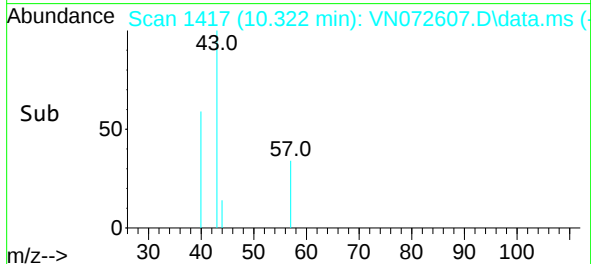
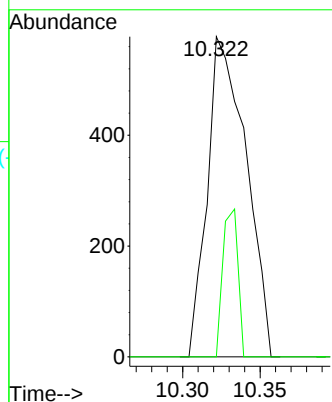
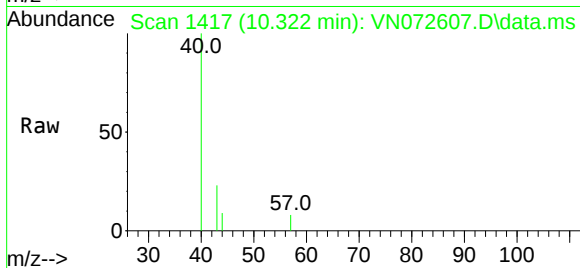
MW-44

Tgt Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

58 18.0 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 65.134 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072607.D

Acq: 24 May 2022 23:44

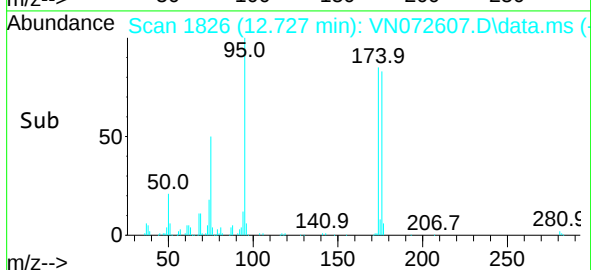
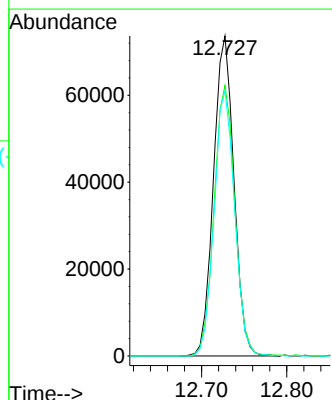
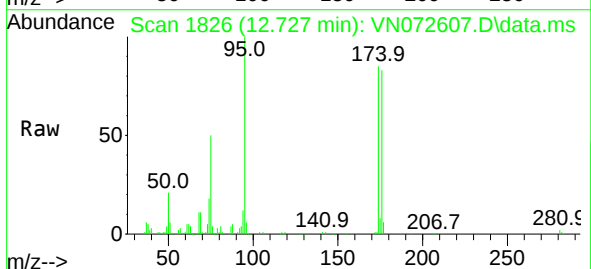
Tgt Ion: 95 Resp: 122690

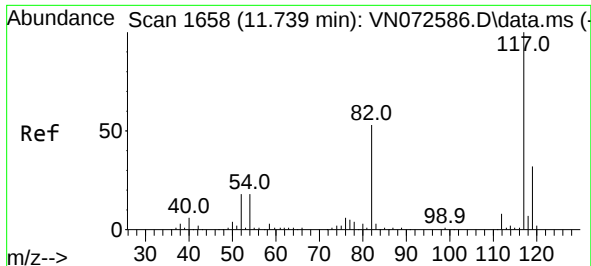
Ion Ratio Lower Upper

95 100

174 86.3 0.0 167.6

176 83.2 0.0 163.4

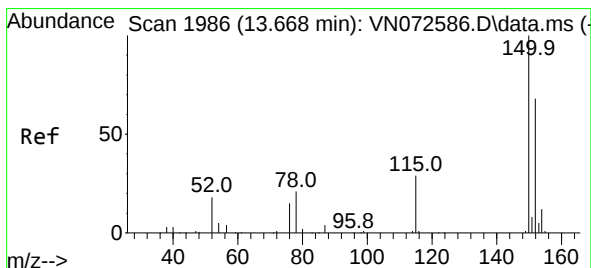
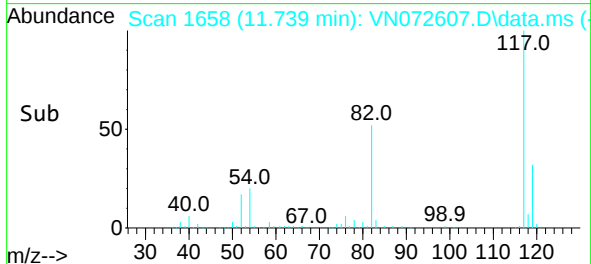
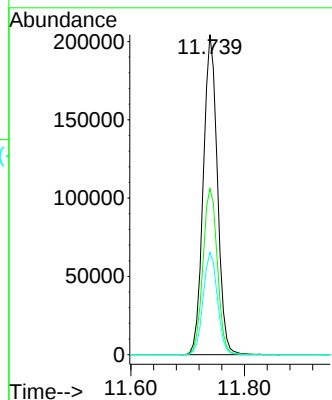
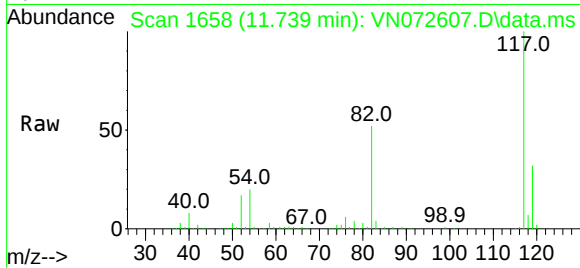




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

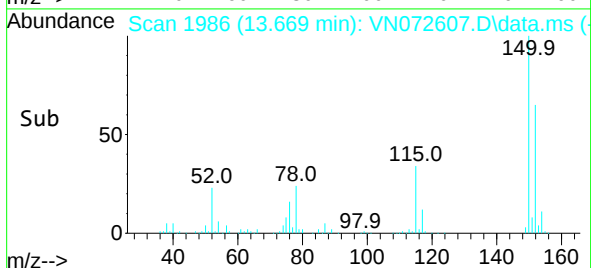
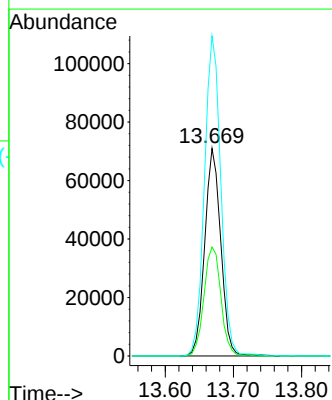
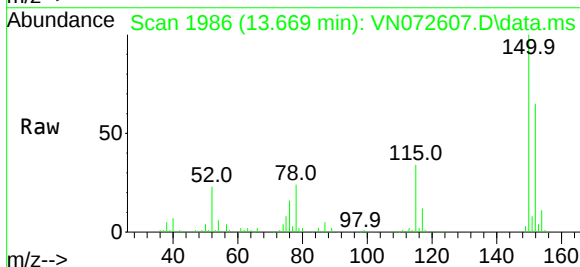
Instrument :
MSVOA_N
ClientSampleId :
MW-44

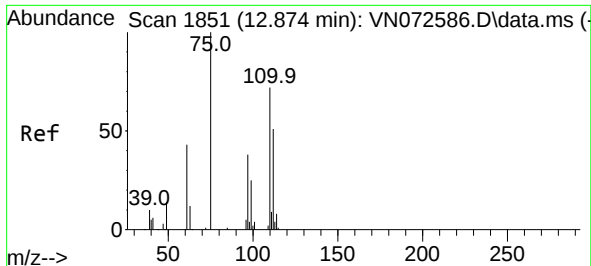
Tgt Ion:117 Resp: 351697
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

Tgt Ion:152 Resp: 116284
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 156.9 0.0 356.2

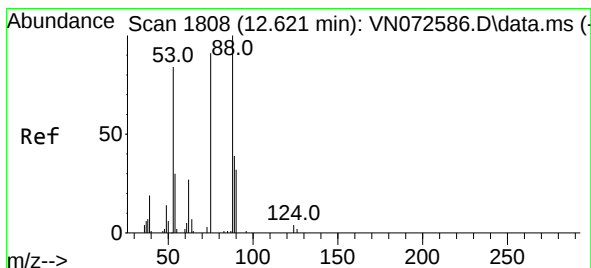
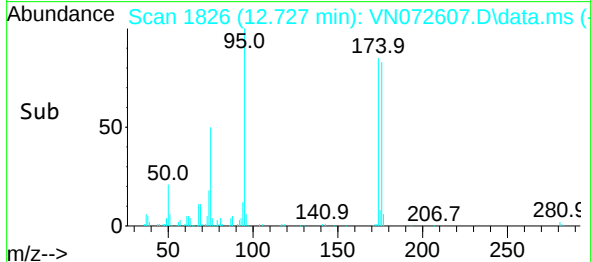
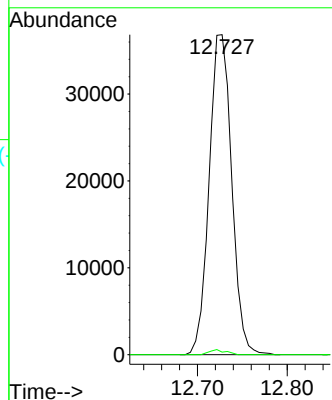
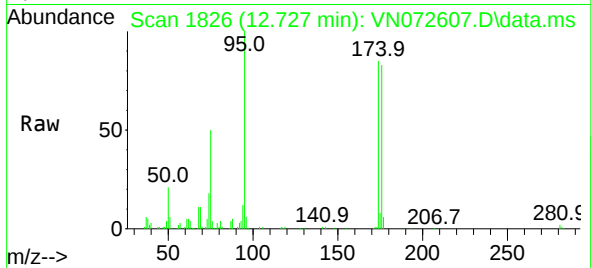




#76
1,2,3-Trichloropropane
Concen: 20.375 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

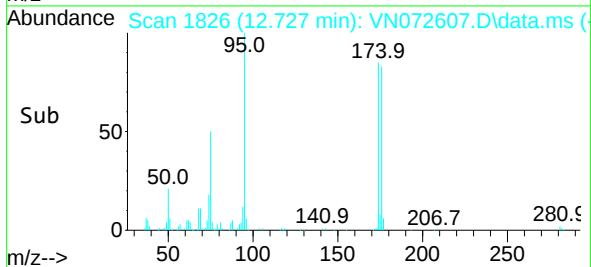
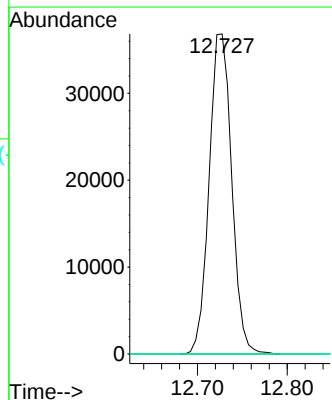
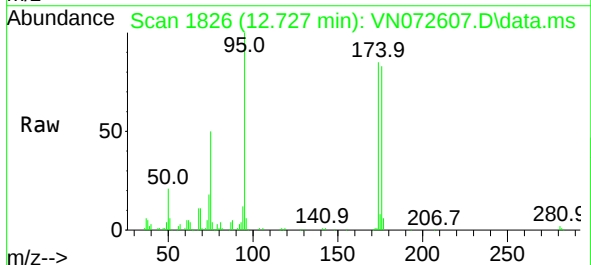
Instrument :
MSVOA_N
ClientSampleId :
MW-44

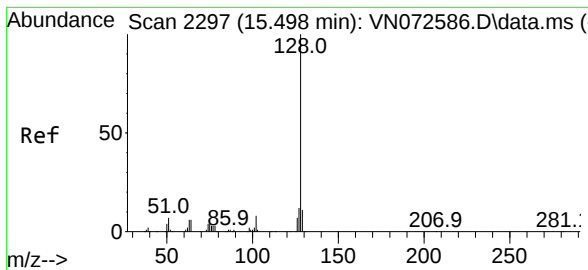
Tgt Ion: 75 Resp: 64325
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.793 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072607.D
Acq: 24 May 2022 23:44

Tgt Ion: 75 Resp: 64325
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 1.282 ug/l
 RT: 15.504 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072607.D
 Acq: 24 May 2022 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44

Tgt Ion:	128	Resp:	9278
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.8	8.6	13.0

