

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071106.D
 Acq On : 28 Feb 2022 19:56
 Operator : JC\MD
 Sample : N1689-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-42

Quant Time: Mar 01 04:24:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

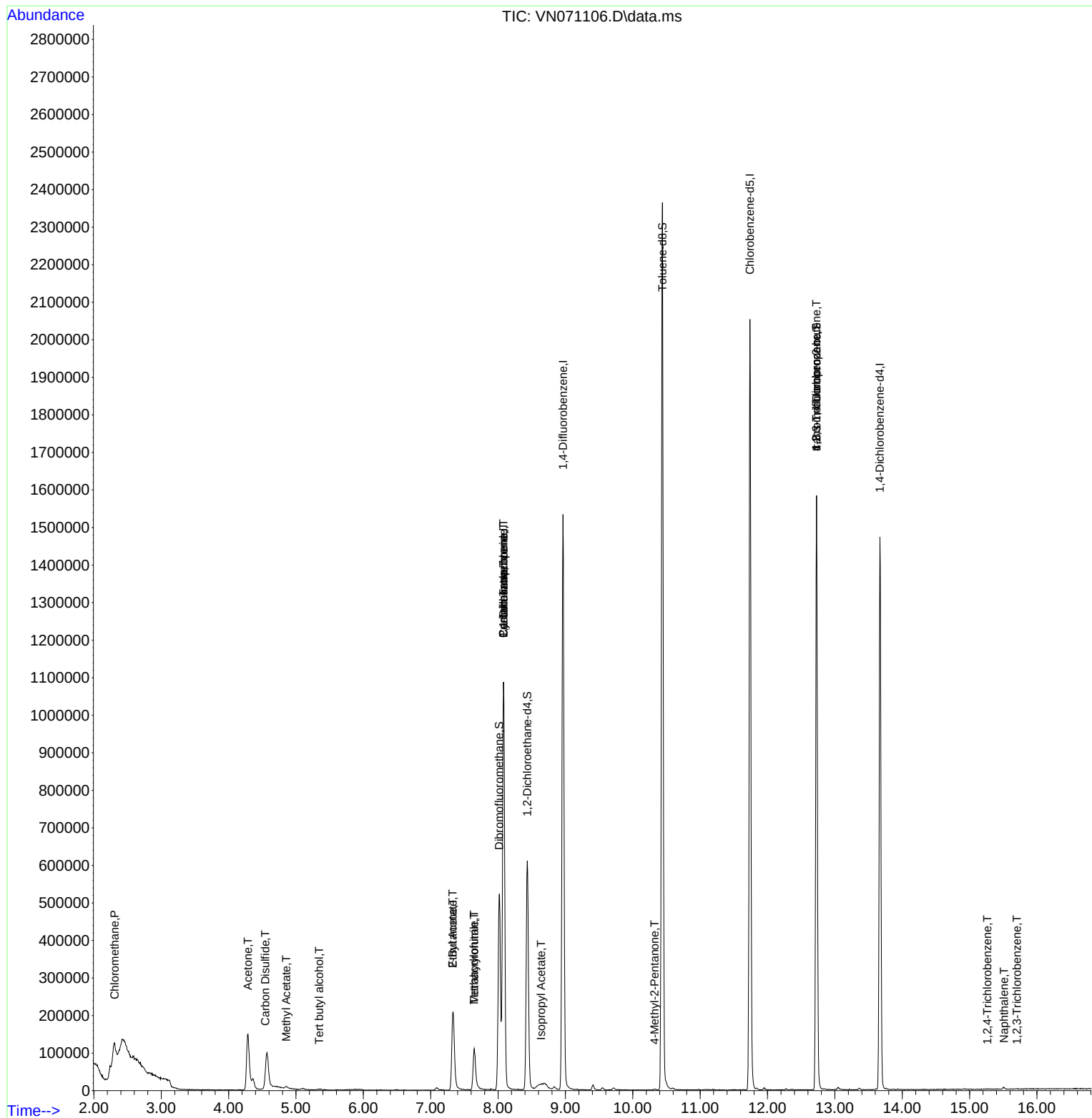
Internal Standards						
1) Pentafluorobenzene	8.081	168	857327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1345788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1198443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	417390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	510029	52.079	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.160%	
35) Dibromofluoromethane	8.016	113	393944	49.214	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.420%	
50) Toluene-d8	10.439	98	1619977	50.394	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	12.727	95	555379	48.334	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	9763	0.872	ug/l #	57
11) Tert butyl alcohol	5.345	59	1855	1.039	ug/l #	71
16) Acetone	4.287	43	286576	53.134	ug/l	97
17) Carbon Disulfide	4.545	76	10522	0.437	ug/l	98
18) Methyl Acetate	4.857	43	12298	0.444	ug/l	90
25) 2-Butanone	7.328	43	381331	53.148	ug/l	97
29) Tetrahydrofuran	7.645	42	5018	1.080	ug/l #	65
31) Cyclohexane	8.081	56	18207	1.075	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	64785	4.940	ug/l #	48
37) Ethyl Acetate	7.328	43	381331	27.112	ug/l #	68
38) Carbon Tetrachloride	8.081	117	82862	6.413	ug/l #	16
41) Methacrylonitrile	7.645	41	25407	3.430	ug/l #	35
43) Isopropyl Acetate	8.639	43	23152	1.044	ug/l #	55
51) 4-Methyl-2-Pentanone	10.322	43	2863	0.212	ug/l #	78
76) 1,2,3-Trichloropropane	12.727	75	282287	28.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	282287	93.080	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	347	2.042	ug/l #	47
95) Naphthalene	15.509	128	5101	5.236	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.704	180	179	2.540	ug/l #	56

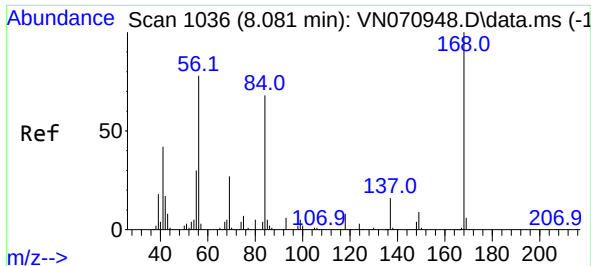
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

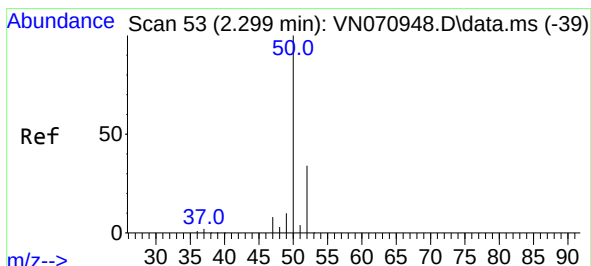
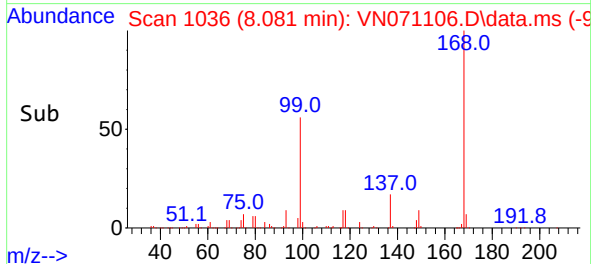
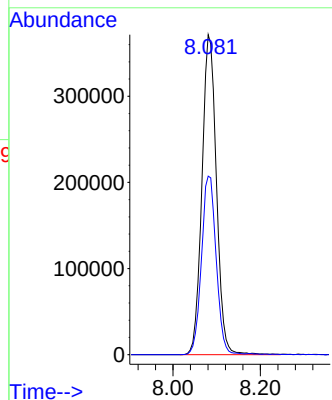
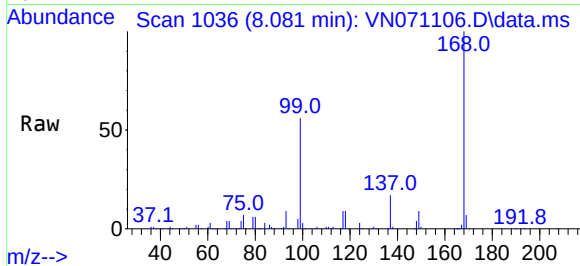




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

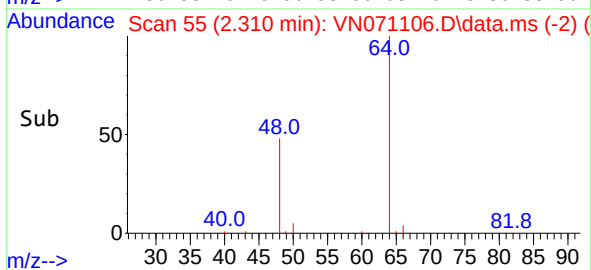
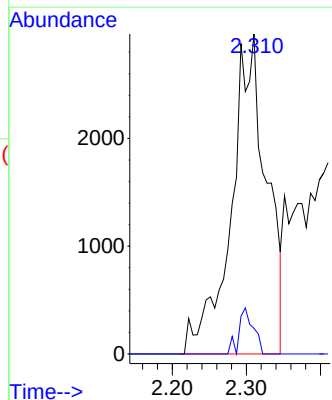
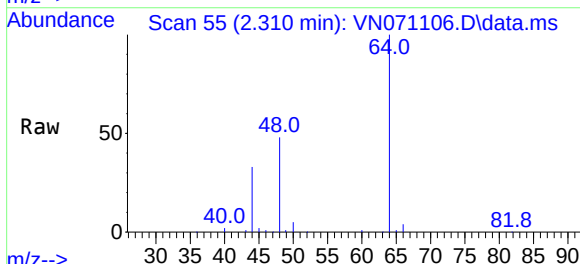
Instrument :
MSVOA_N
ClientSampleId :
MW-42

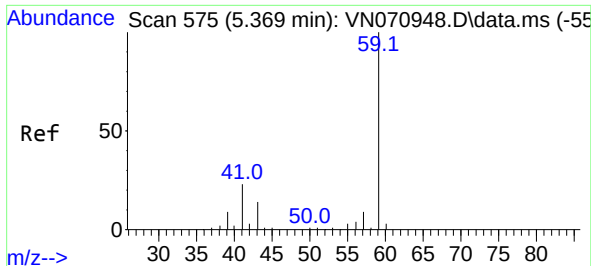
Tgt Ion:168 Resp: 857327
Ion Ratio Lower Upper
168 100
99 55.8 41.3 61.9



#3
Chloromethane
Concen: 0.872 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.012 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 50 Resp: 9763
Ion Ratio Lower Upper
50 100
52 8.0 25.4 38.0#

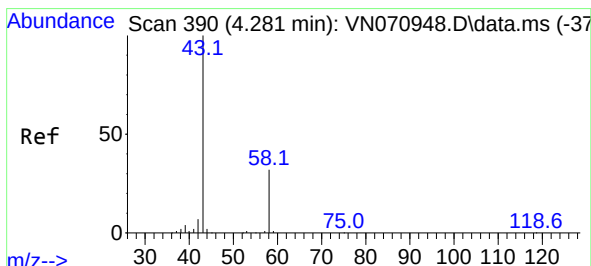
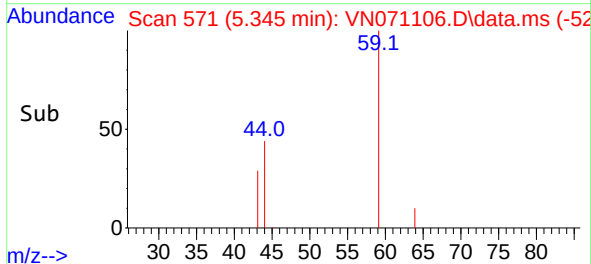
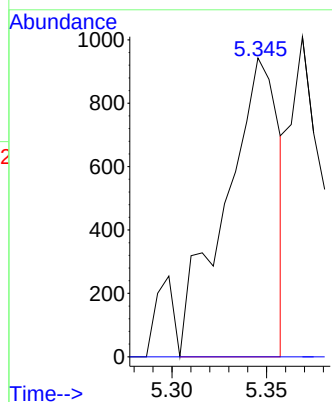
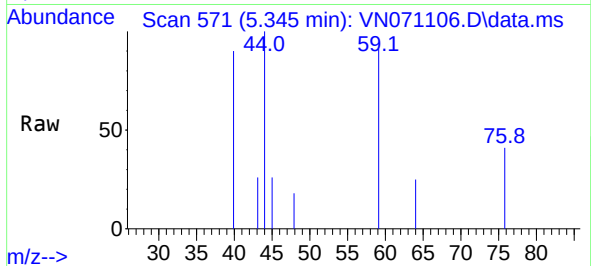




#11
Tert butyl alcohol
Concen: 1.039 ug/l
RT: 5.345 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

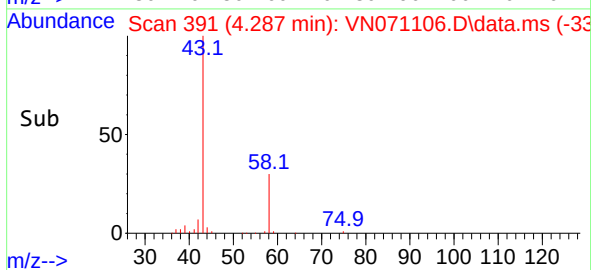
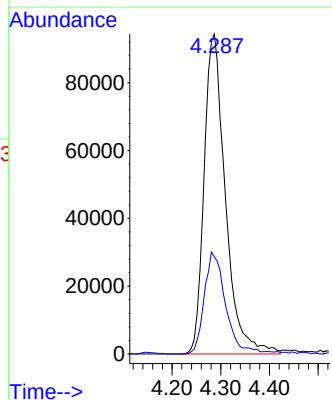
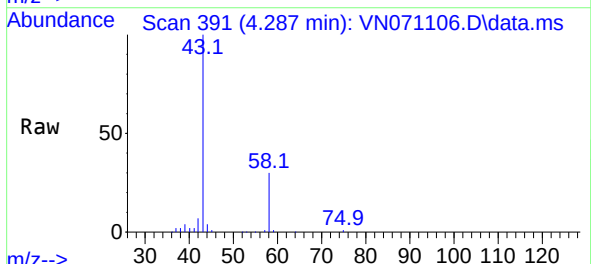
Instrument :
MSVOA_N
ClientSampleId :
MW-42

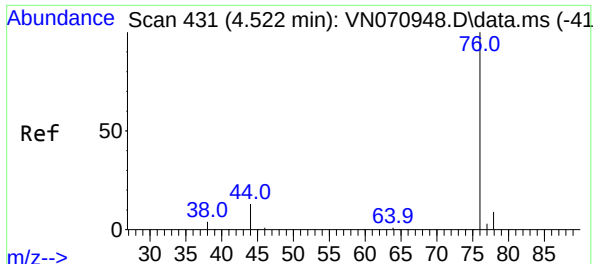
Tgt Ion: 59 Resp: 1855
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 53.134 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 43 Resp: 286576
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7

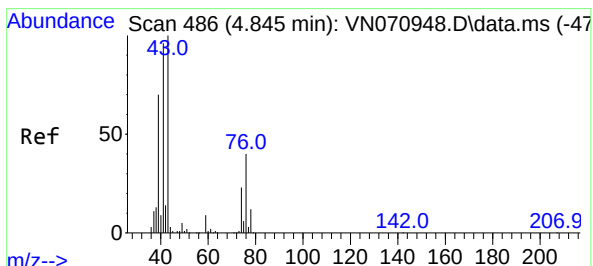
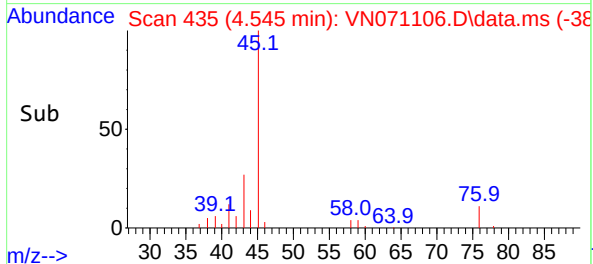
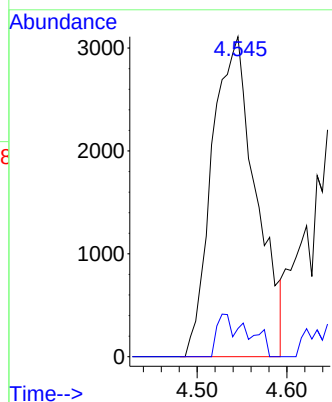
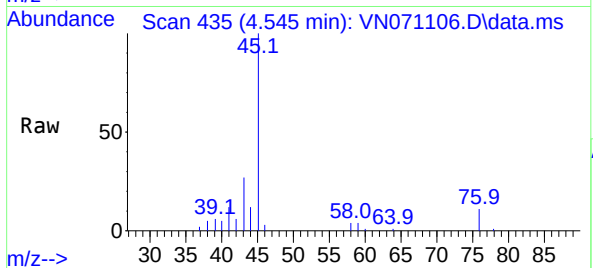




#17
Carbon Disulfide
Concen: 0.437 ug/l
RT: 4.545 min Scan# 411
Delta R.T. 0.023 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

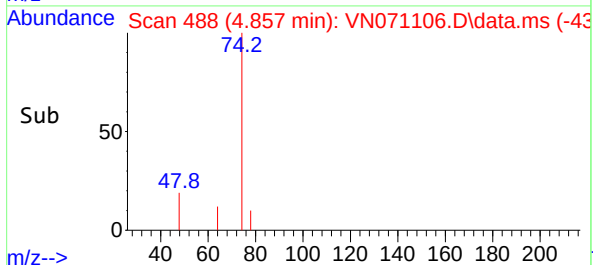
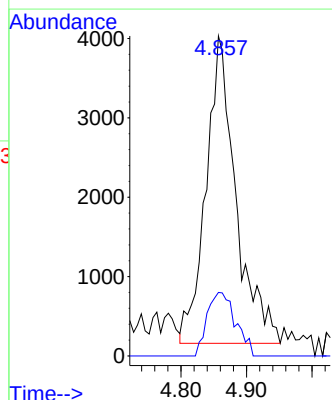
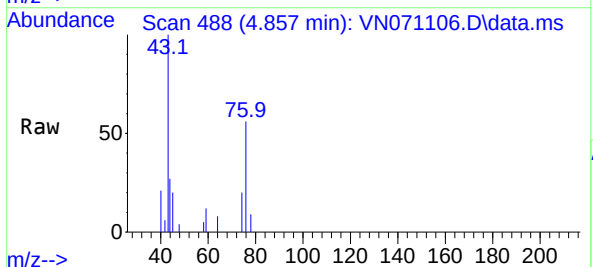
Instrument :
MSVOA_N
ClientSampleId :
MW-42

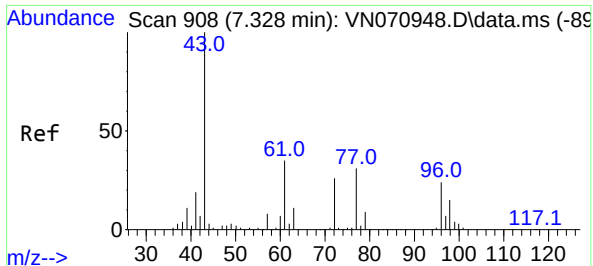
Tgt Ion: 76 Resp: 10522
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 43 Resp: 12298
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.2





#25

2-Butanone

Concen: 53.148 ug/l

RT: 7.328 min Scan# 908

Delta R.T. -0.000 min

Lab File: VN071106.D

Acq: 28 Feb 2022 19:56

Instrument :

MSVOA_N

ClientSampleId :

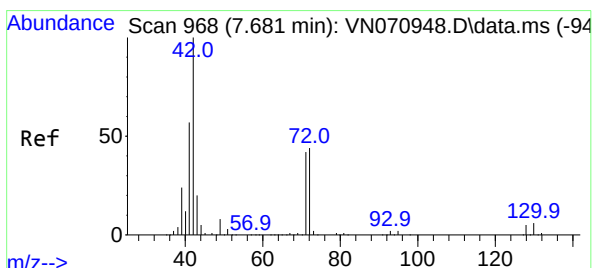
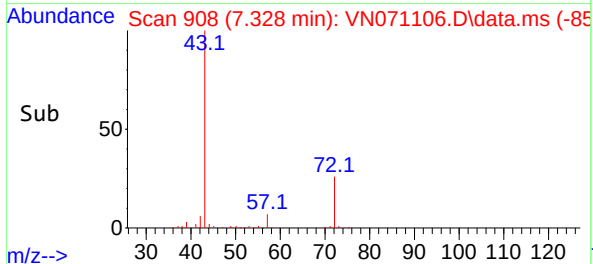
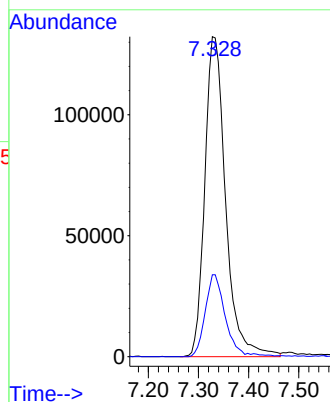
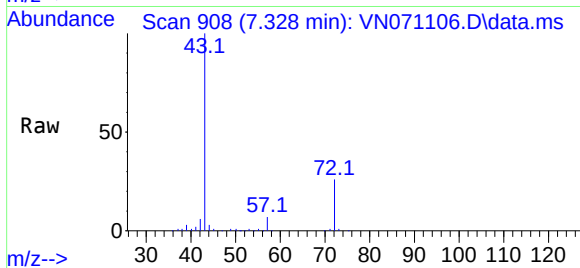
MW-42

Tgt Ion: 43 Resp: 381331

Ion Ratio Lower Upper

43 100

72 25.6 21.7 32.5



#29

Tetrahydrofuran

Concen: 1.080 ug/l

RT: 7.645 min Scan# 962

Delta R.T. -0.035 min

Lab File: VN071106.D

Acq: 28 Feb 2022 19:56

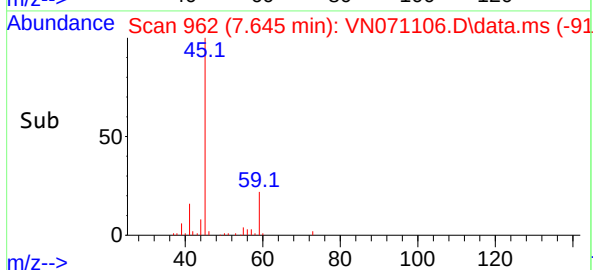
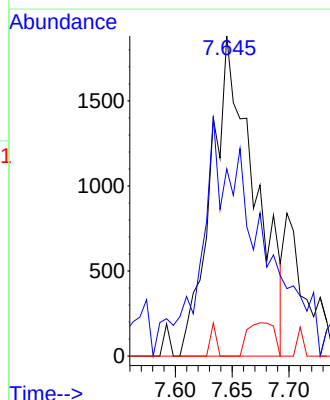
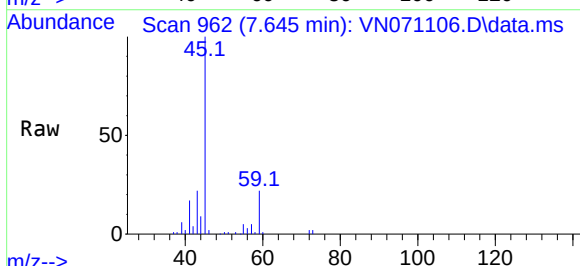
Tgt Ion: 42 Resp: 5018

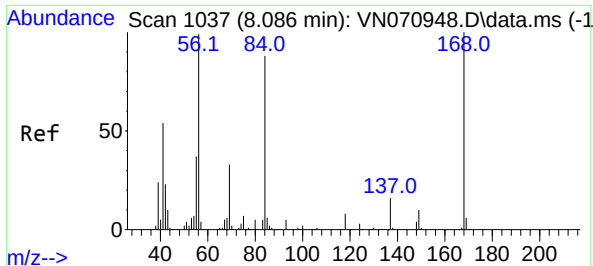
Ion Ratio Lower Upper

42 100

72 49.8 36.3 54.5

71 1.4 34.7 52.1#

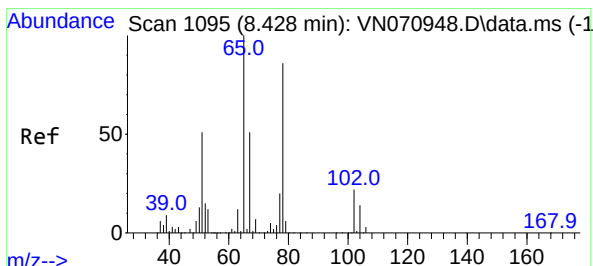
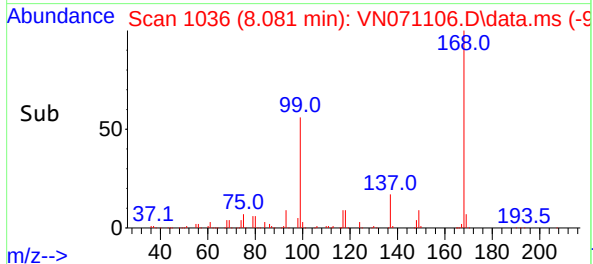
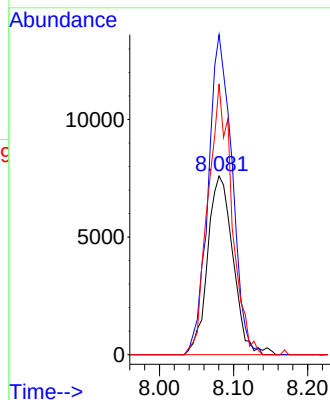
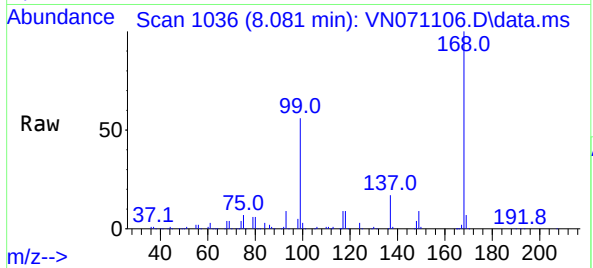




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

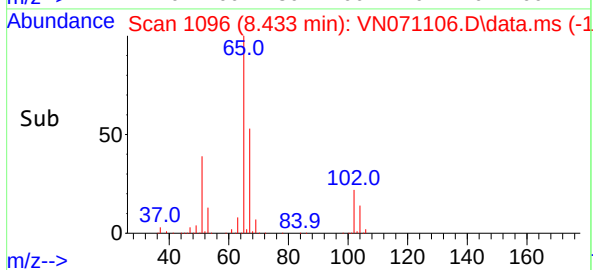
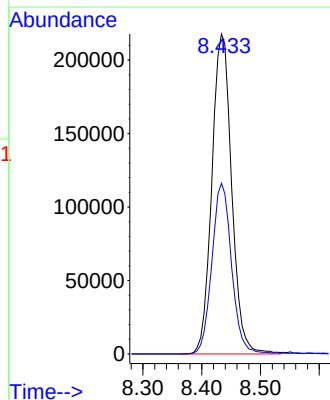
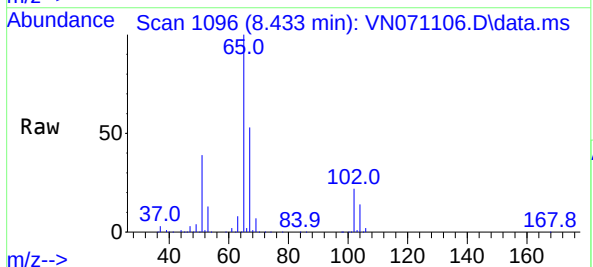
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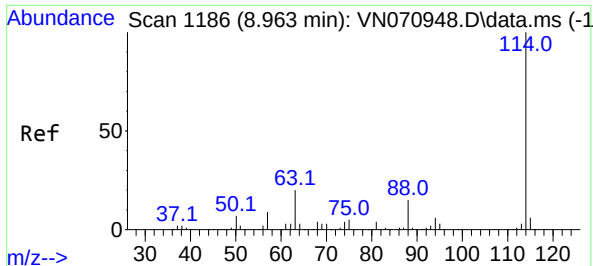
Tgt Ion: 56 Resp: 18207
Ion Ratio Lower Upper
56 100
69 179.1 27.1 40.7#
84 151.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.079 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 65 Resp: 510029
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0

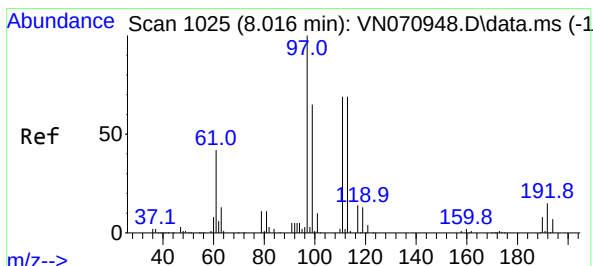
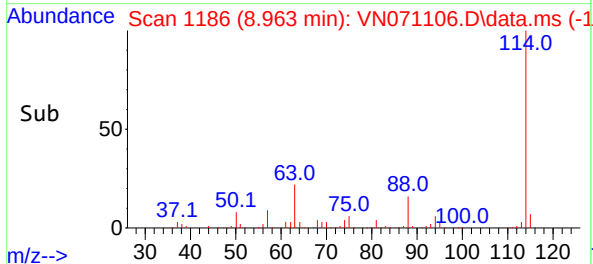
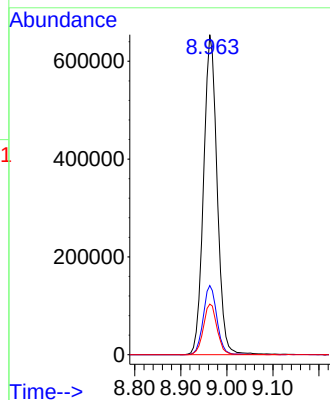
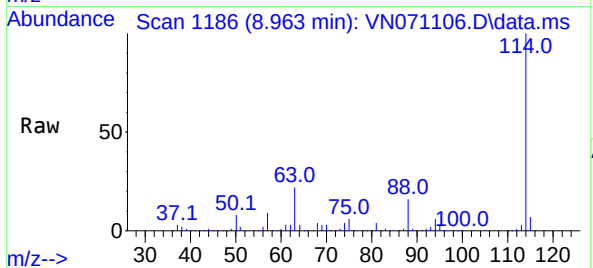




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

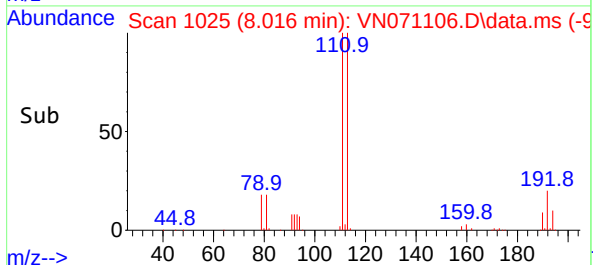
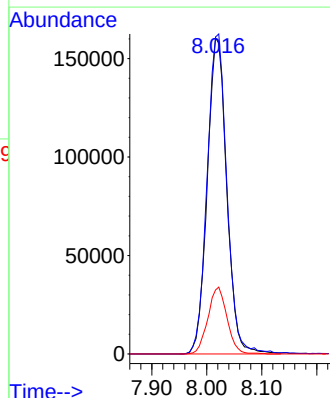
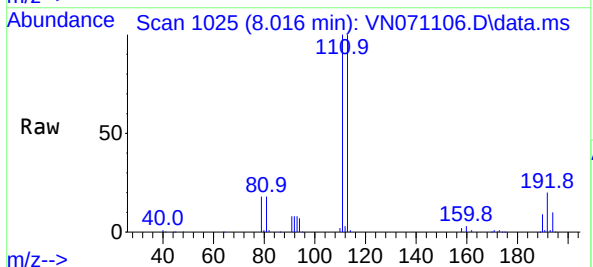
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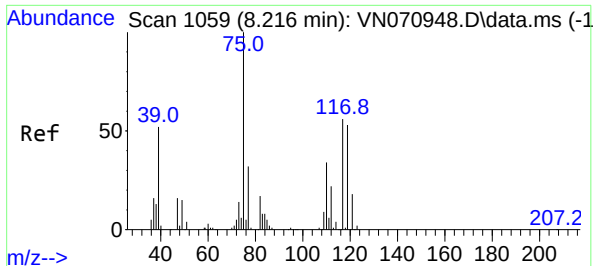
Tgt Ion:114 Resp: 1345788
Ion Ratio Lower Upper
114 100
63 21.6 0.0 37.8
88 15.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.214 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion:113 Resp: 393944
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.940 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN071106.D

Acq: 28 Feb 2022 19:56

Instrument :

MSVOA_N

ClientSampleId :

MW-42

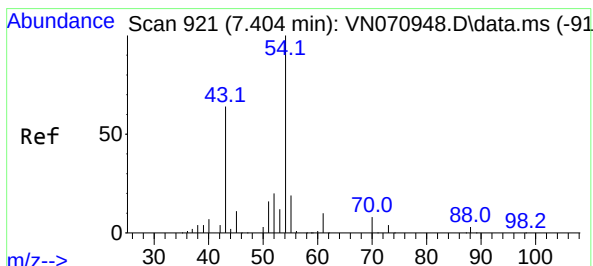
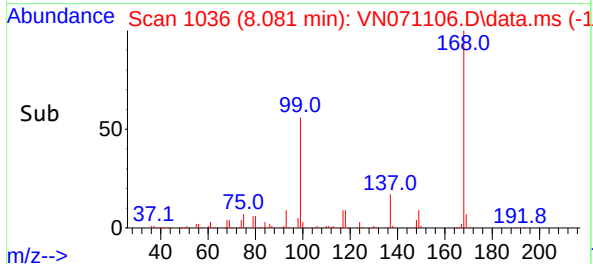
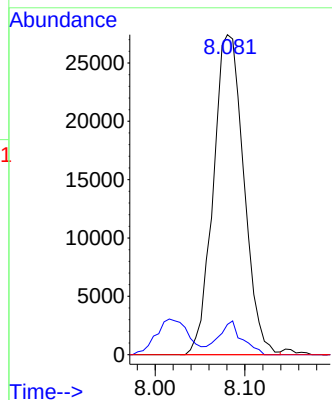
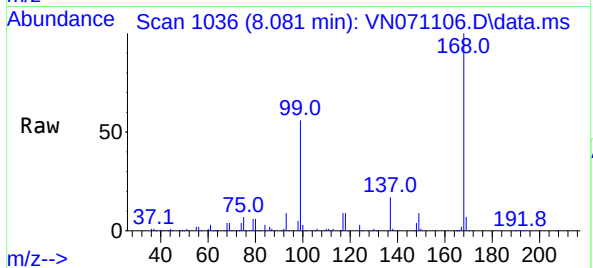
Tgt Ion: 75 Resp: 64785

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 27.112 ug/l

RT: 7.328 min Scan# 908

Delta R.T. -0.077 min

Lab File: VN071106.D

Acq: 28 Feb 2022 19:56

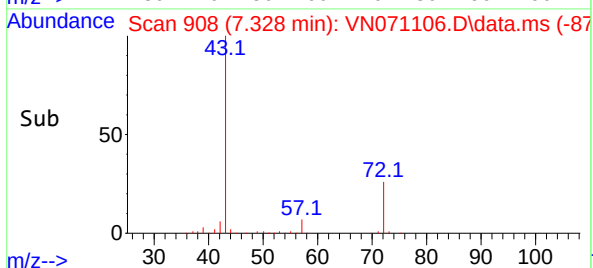
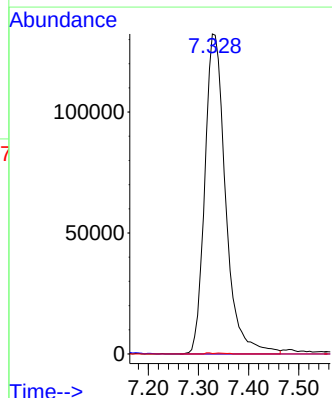
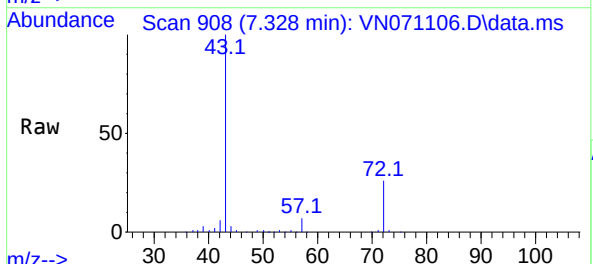
Tgt Ion: 43 Resp: 381331

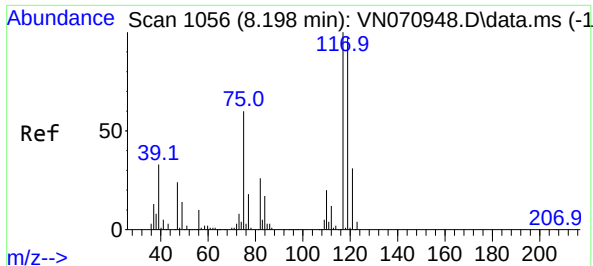
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.1 7.9 11.9#

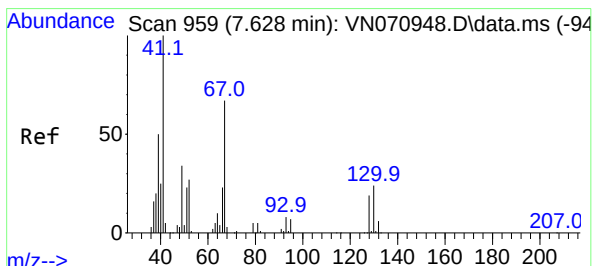
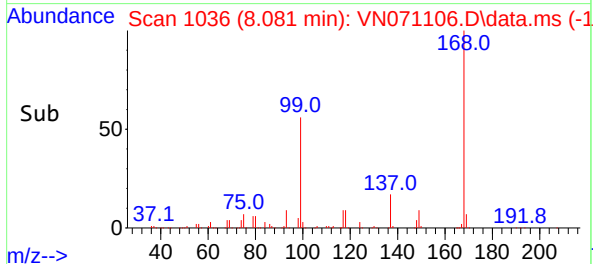
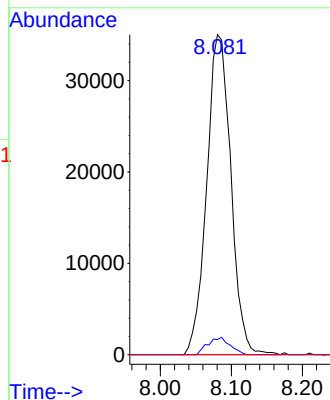
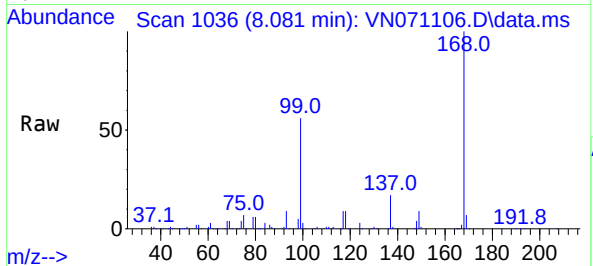




#38
Carbon Tetrachloride
Concen: 6.413 ug/l
RT: 8.081 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

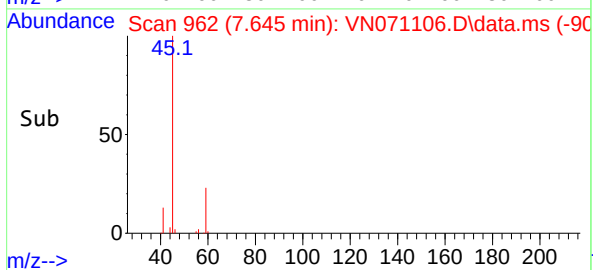
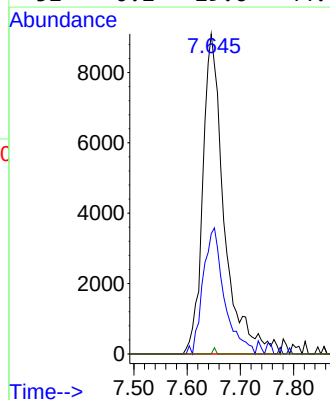
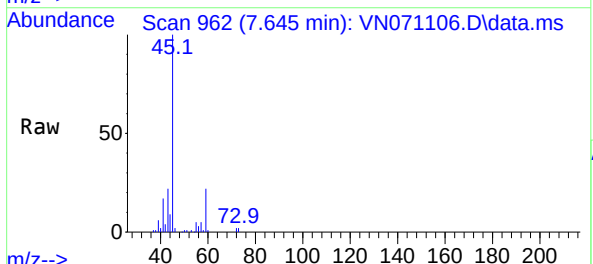
Instrument :
MSVOA_N
ClientSampleId :
MW-42

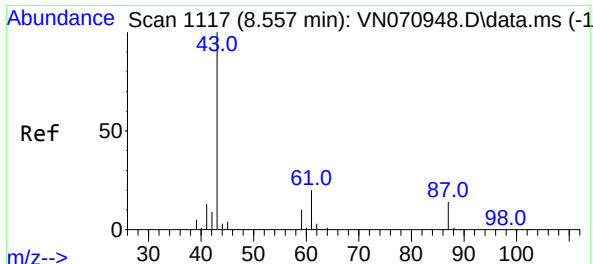
Tgt Ion:117 Resp: 82862
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 3.430 ug/l
RT: 7.645 min Scan# 962
Delta R.T. 0.018 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 41 Resp: 25407
Ion Ratio Lower Upper
41 100
39 39.0 48.1 72.1#
67 0.0 68.3 102.5#
52 0.2 29.6 44.4#

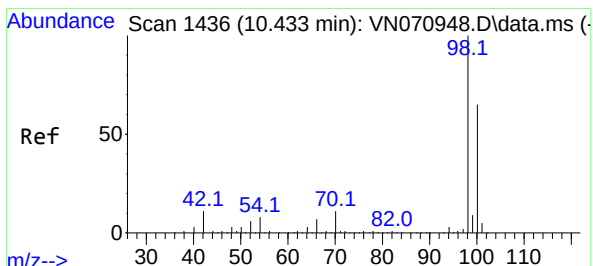
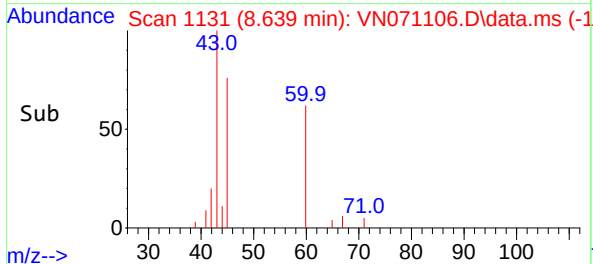
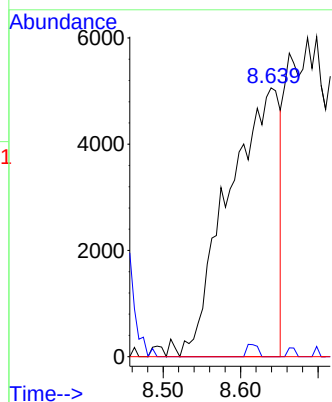
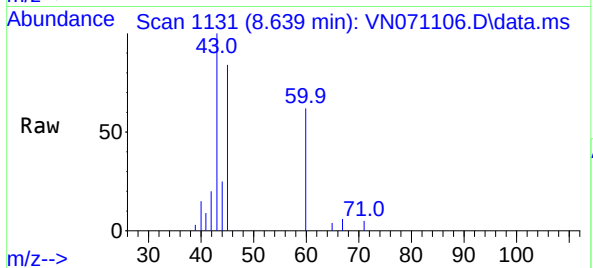




#43
Isopropyl Acetate
Concen: 1.044 ug/l
RT: 8.639 min Scan# 1117
Delta R.T. 0.082 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

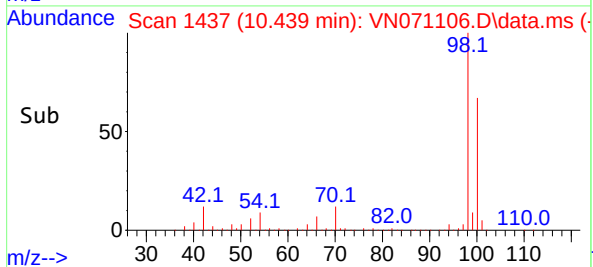
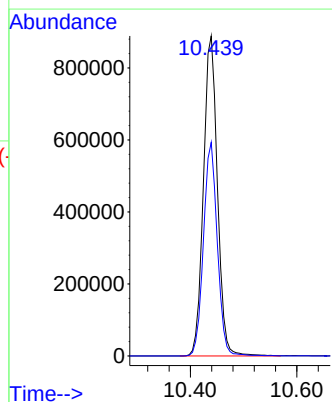
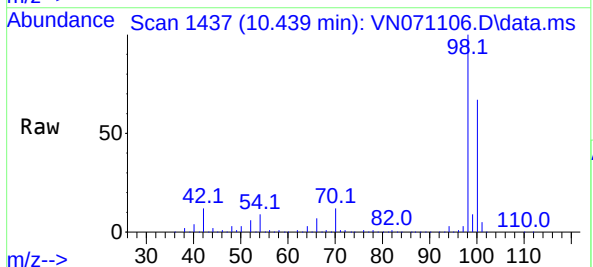
Instrument :
MSVOA_N
ClientSampleId :
MW-42

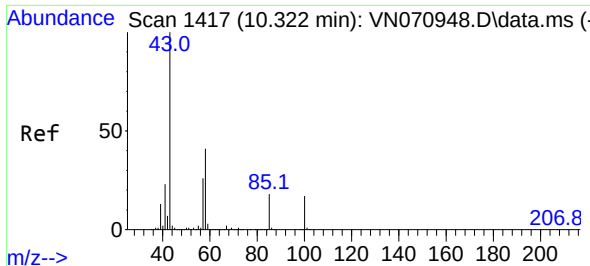
Tgt Ion: 43 Resp: 23152
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 50.394 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 98 Resp: 1619977
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6

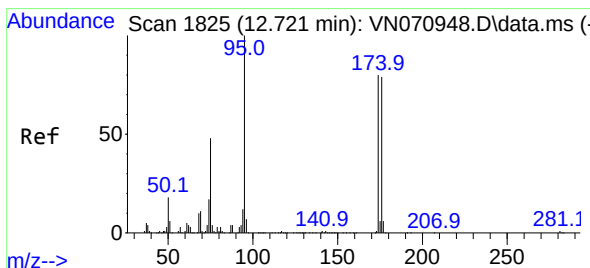
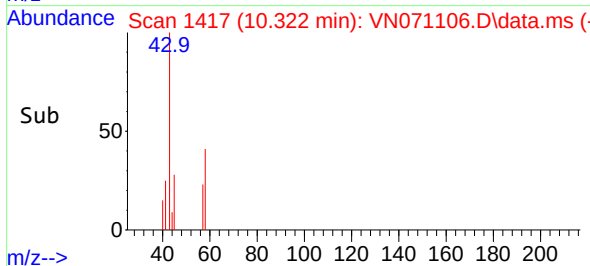
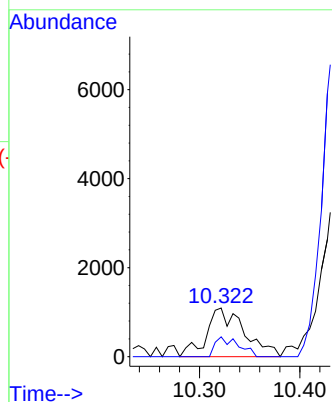
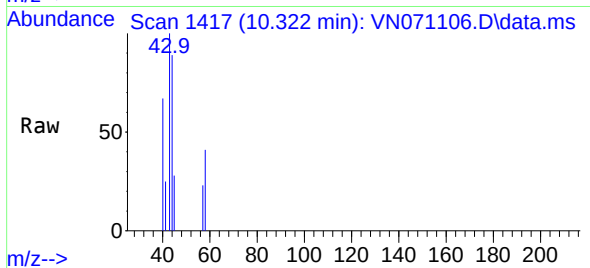




#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

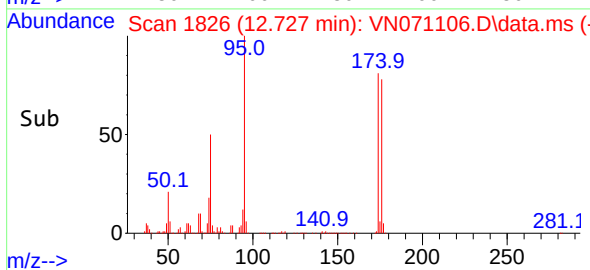
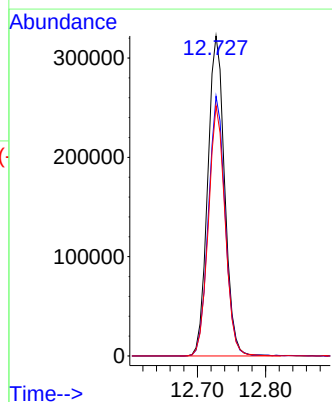
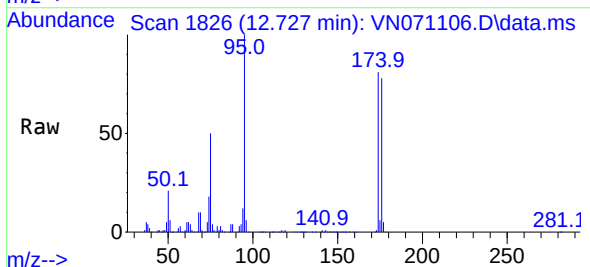
Instrument :
MSVOA_N
ClientSampleId :
MW-42

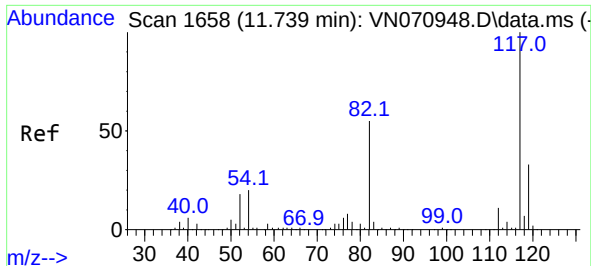
Tgt Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
58 24.9 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 48.334 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 95 Resp: 555379
Ion Ratio Lower Upper
95 100
174 80.4 0.0 187.2
176 77.1 0.0 181.4

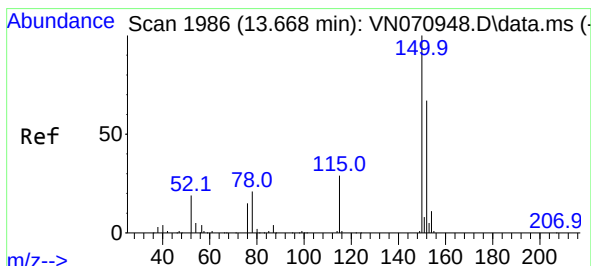
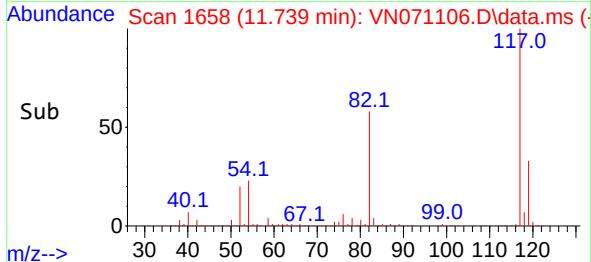
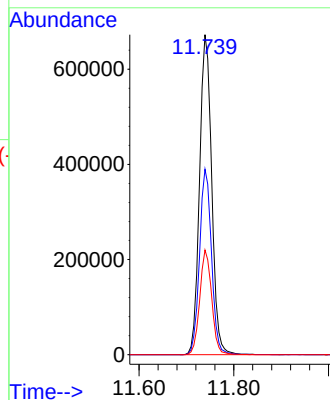
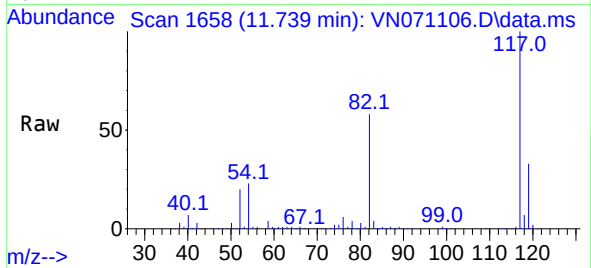




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

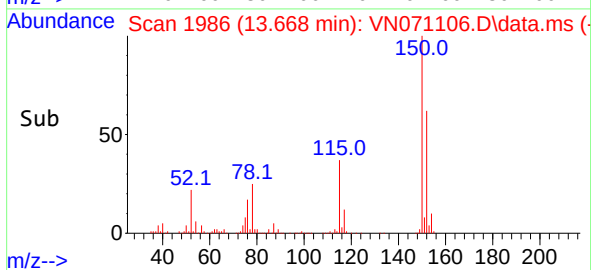
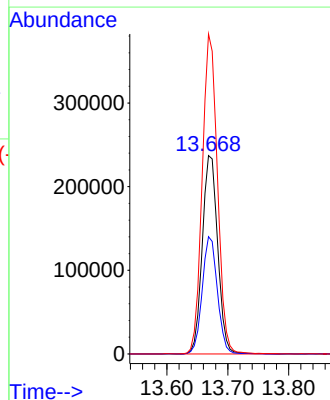
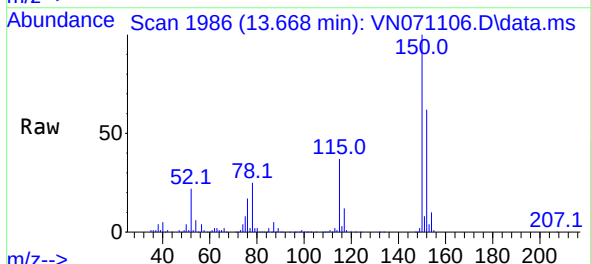
Instrument :
MSVOA_N
ClientSampleId :
MW-42

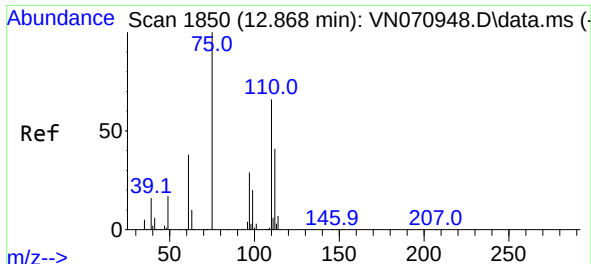
Tgt Ion:117 Resp: 1198443
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion:152 Resp: 417390
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.5
150 159.4 0.0 344.4

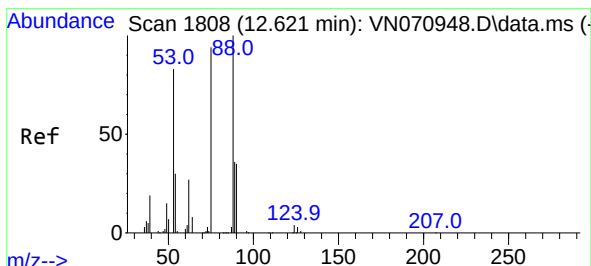
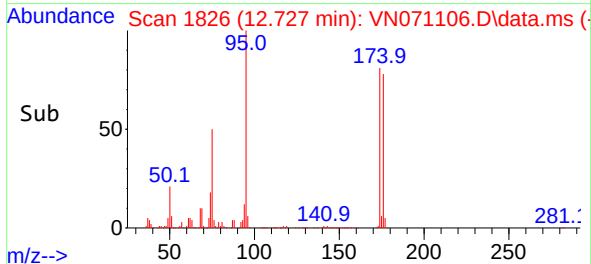
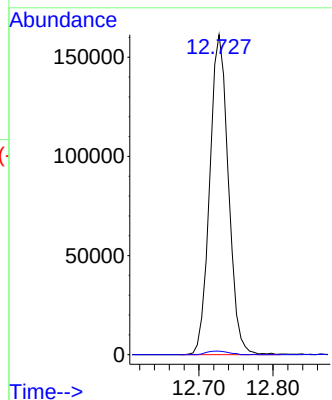
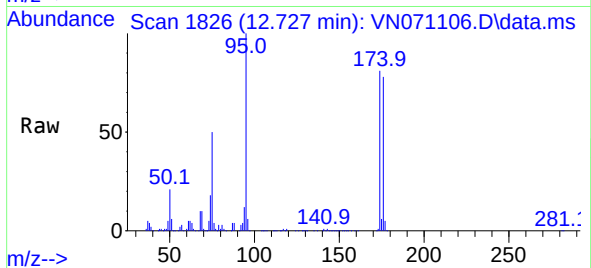




#76
1,2,3-Trichloropropane
Concen: 28.724 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

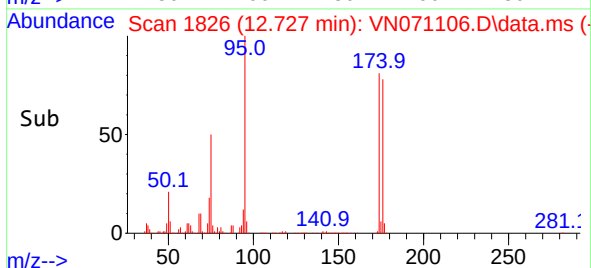
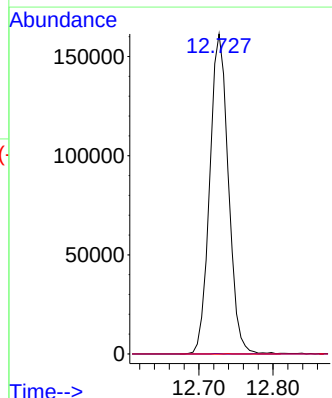
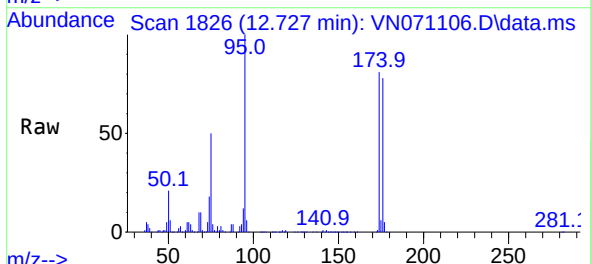
Instrument :
MSVOA_N
ClientSampleId :
MW-42

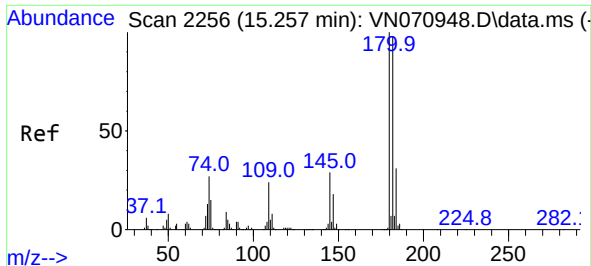
Tgt Ion: 75 Resp: 282287
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.080 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion: 75 Resp: 282287
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

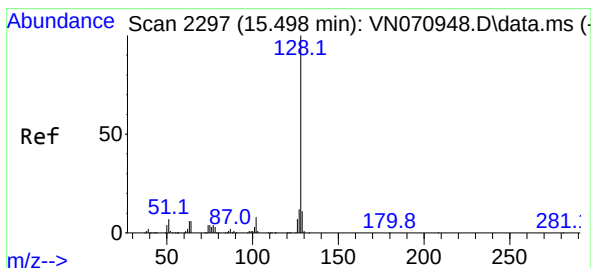
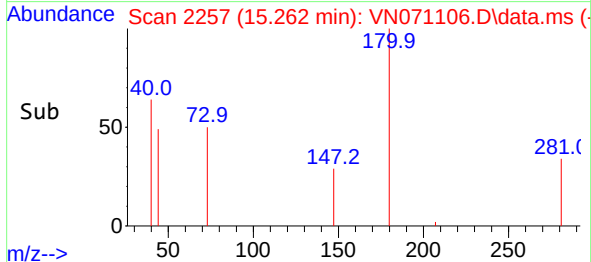
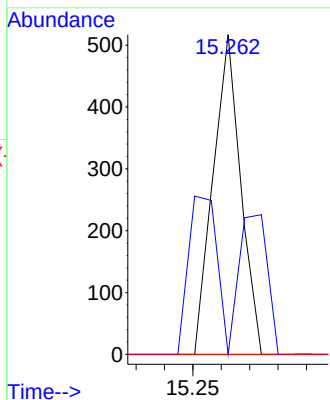
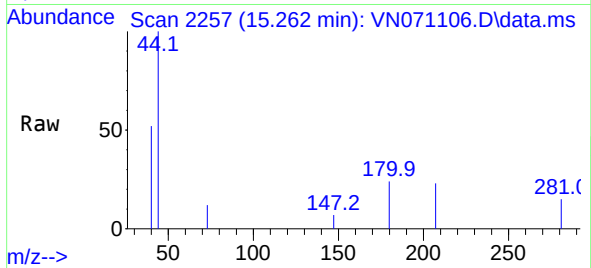




#93
1,2,4-Trichlorobenzene
Concen: 2.042 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

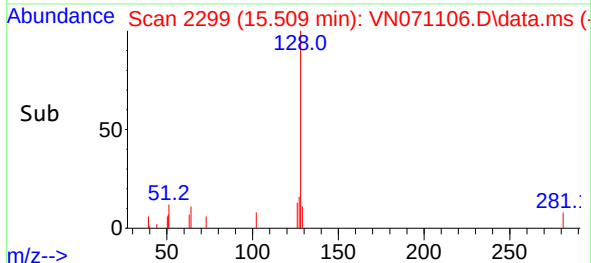
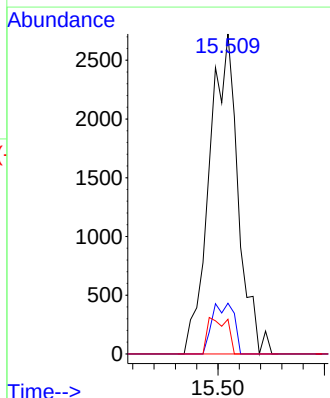
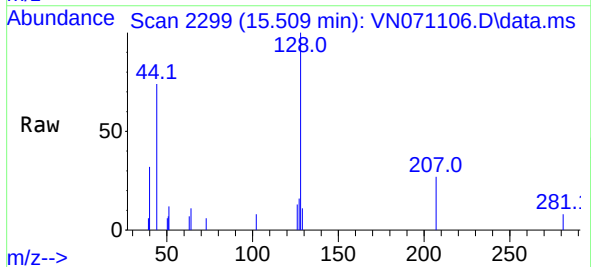
Instrument :
MSVOA_N
ClientSampleId :
MW-42

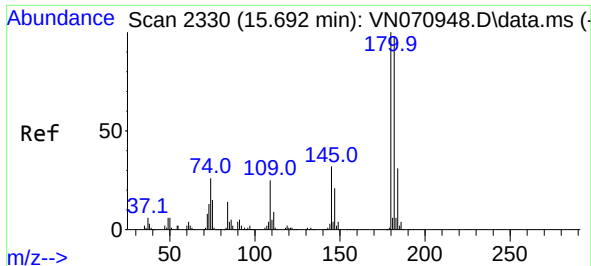
Tgt Ion:180 Resp: 347
Ion Ratio Lower Upper
180 100
182 45.5 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.236 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN071106.D
Acq: 28 Feb 2022 19:56

Tgt Ion:128 Resp: 5101
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 7.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.540 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071106.D
 Acq: 28 Feb 2022 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-42

Tgt Ion:180 Resp: 179
 Ion Ratio Lower Upper
 180 100
 182 133.5 47.4 142.2
 145 0.0 15.0 45.1#

