

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071108.D
 Acq On : 28 Feb 2022 20:44
 Operator : JC\MD
 Sample : N1689-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44

Quant Time: Mar 01 04:25:08 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)

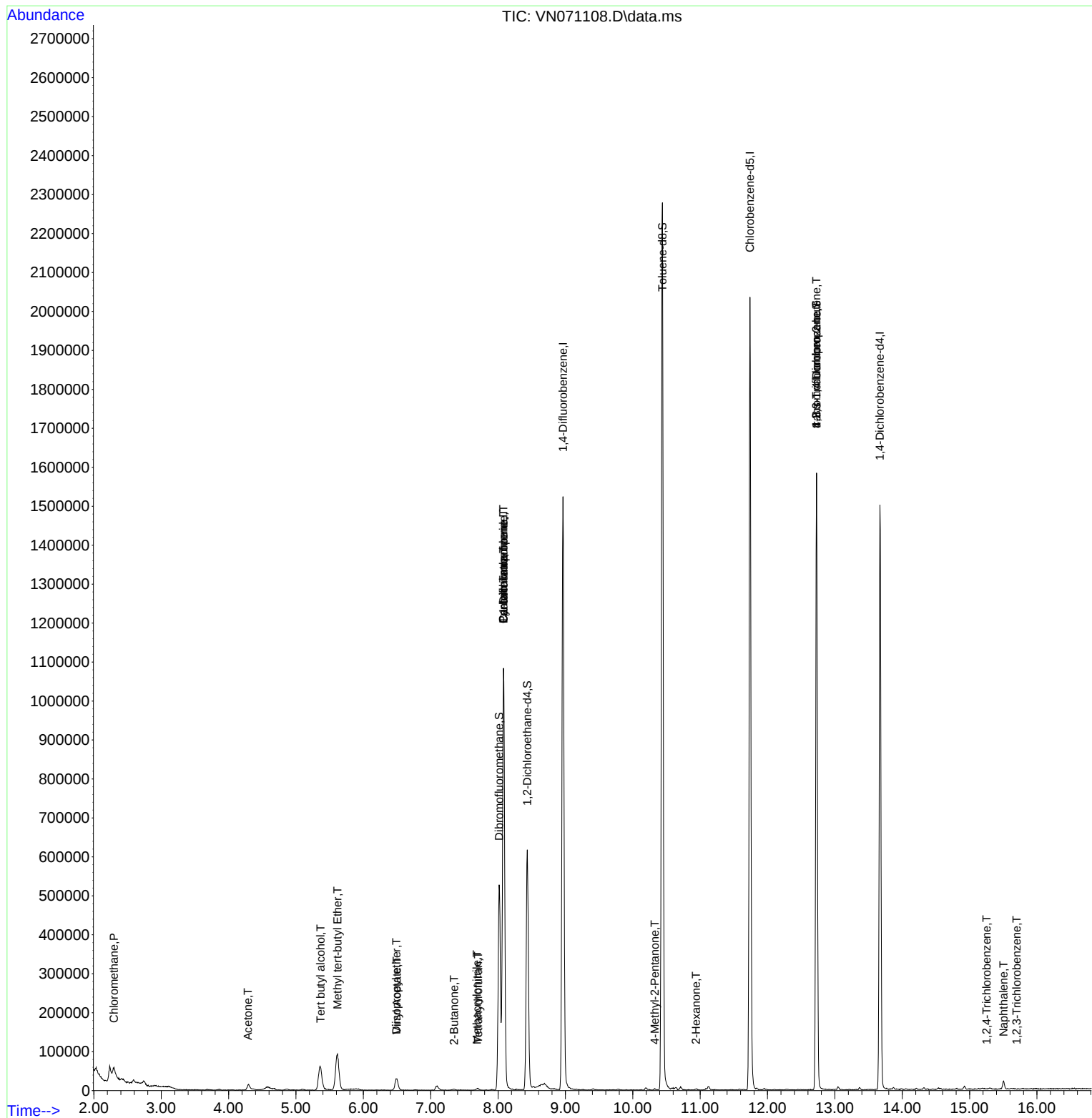
Internal Standards						
1) Pentafluorobenzene	8.081	168	854136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1343852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1173004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	422570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	511670	52.442	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.880%	
35) Dibromofluoromethane	8.016	113	391636	48.996	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.000%	
50) Toluene-d8	10.439	98	1628711	50.738	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.727	95	558302	48.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3657	0.328	ug/l	96
11) Tert butyl alcohol	5.363	59	114728	64.521	ug/l #	90
16) Acetone	4.287	43	22038	4.101	ug/l	98
18) Methyl Acetate	4.863	43	6135	Below Cal		96
19) Methyl tert-butyl Ether	5.616	73	152203	5.189	ug/l	93
22) Diisopropyl ether	6.492	45	38930	1.273	ug/l #	77
23) Vinyl Acetate	6.498	43	19891	0.768	ug/l #	72
25) 2-Butanone	7.345	43	4565	0.639	ug/l	99
29) Tetrahydrofuran	7.704	42	3377	0.729	ug/l	96
31) Cyclohexane	8.081	56	18218	1.080	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	64503	4.926	ug/l #	49
38) Carbon Tetrachloride	8.081	117	79389	6.153	ug/l #	17
41) Methacrylonitrile	7.686	41	2273	0.307	ug/l #	36
51) 4-Methyl-2-Pentanone	10.327	43	3023	0.224	ug/l #	78
59) 2-Hexanone	10.939	43	2342	0.253	ug/l	79
76) 1,2,3-Trichloropropane	12.727	75	284182	28.562	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	284182	92.556	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	499	2.060	ug/l #	33
95) Naphthalene	15.504	128	20246	5.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	213	2.544	ug/l	95

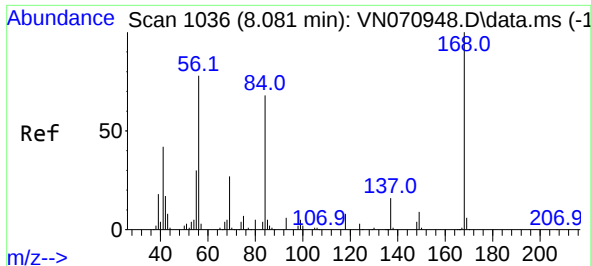
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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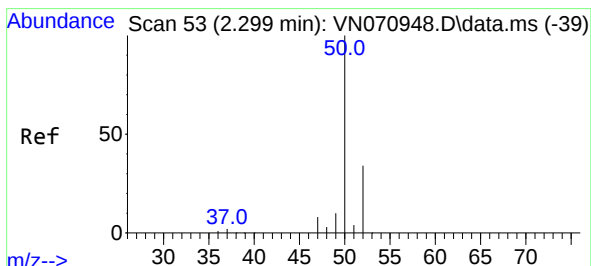
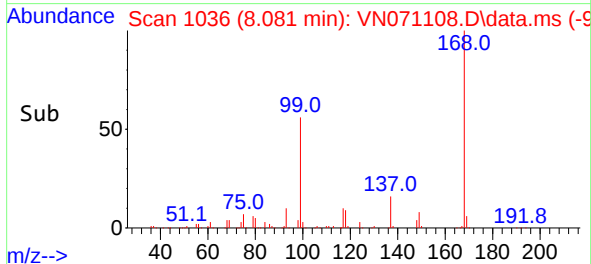
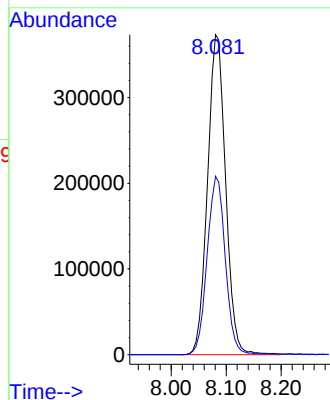
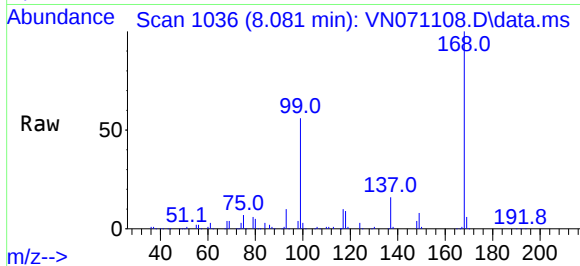




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

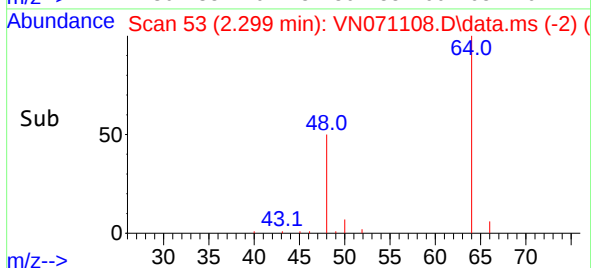
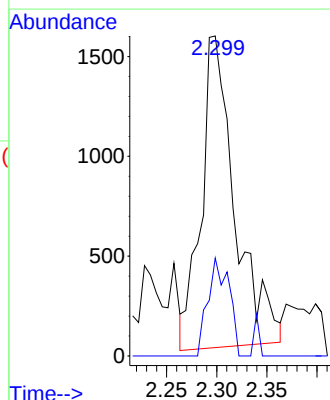
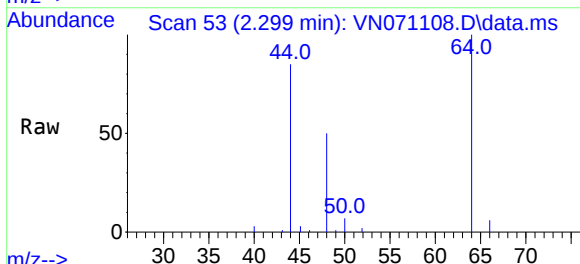
Instrument :
MSVOA_N
ClientSampleId :
MW-44

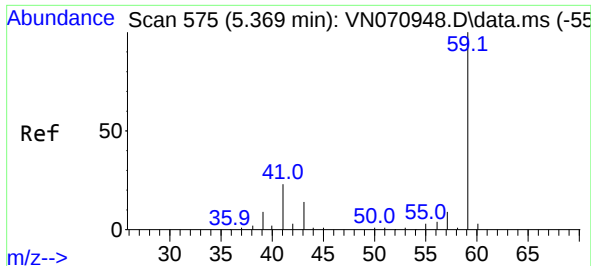
Tgt Ion:168 Resp: 854136
Ion Ratio Lower Upper
168 100
99 55.7 41.3 61.9



#3
Chloromethane
Concen: 0.328 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion: 50 Resp: 3657
Ion Ratio Lower Upper
50 100
52 34.1 25.4 38.0





#11

Tert butyl alcohol

Concen: 64.521 ug/l

RT: 5.363 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN071108.D

Acq: 28 Feb 2022 20:44

Instrument :

MSVOA_N

ClientSampleId :

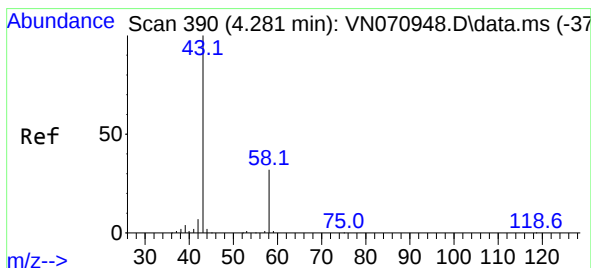
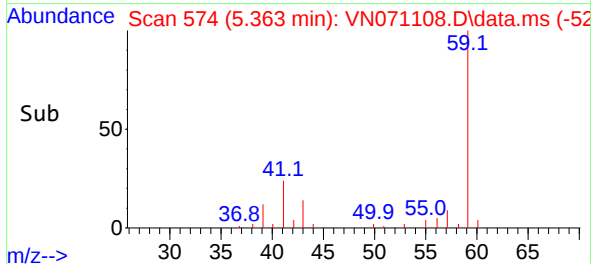
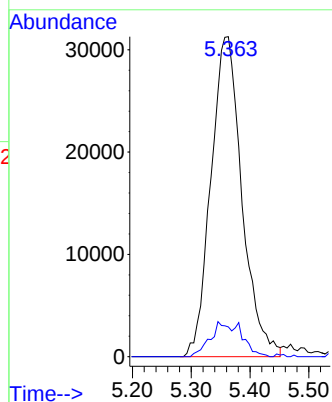
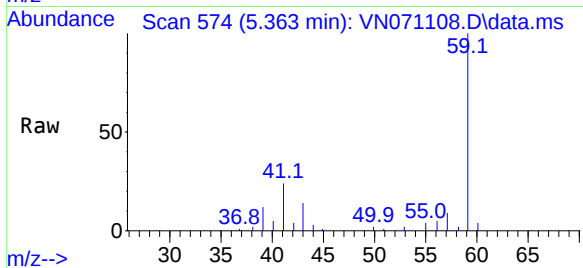
MW-44

Tgt Ion: 59 Resp: 114728

Ion Ratio Lower Upper

59 100

57 7.1 8.7 13.1#



#16

Acetone

Concen: 4.101 ug/l

RT: 4.287 min Scan# 391

Delta R.T. 0.006 min

Lab File: VN071108.D

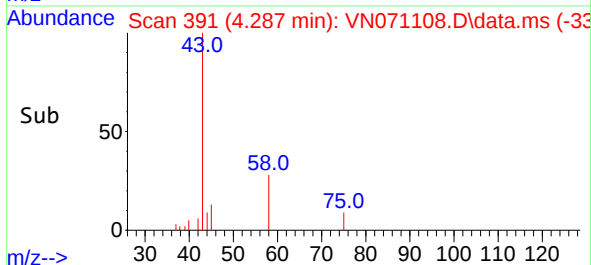
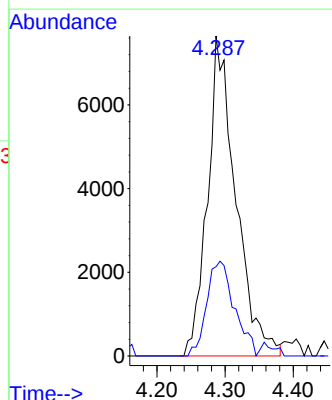
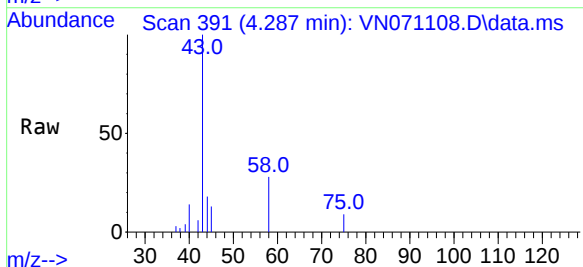
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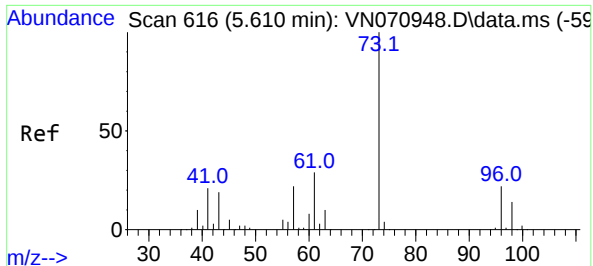
Tgt Ion: 43 Resp: 22038

Ion Ratio Lower Upper

43 100

58 27.9 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 5.189 ug/l

RT: 5.616 min Scan# 616

Delta R.T. 0.006 min

Lab File: VN071108.D

Acq: 28 Feb 2022 20:44

Instrument :

MSVOA_N

ClientSampleId :

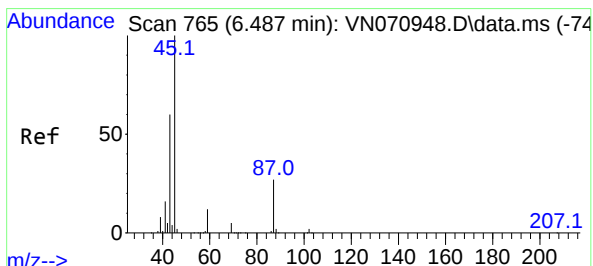
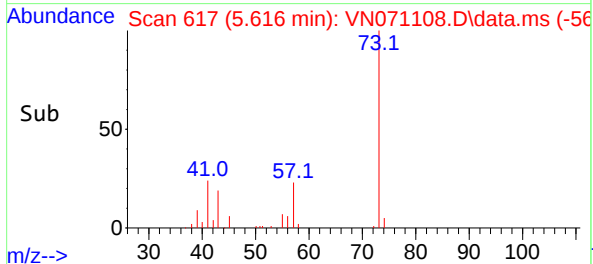
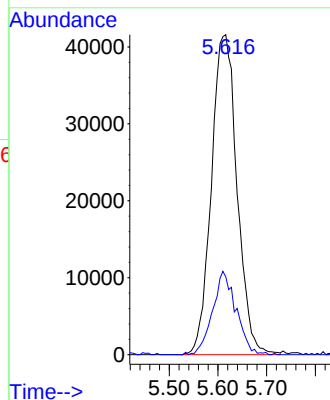
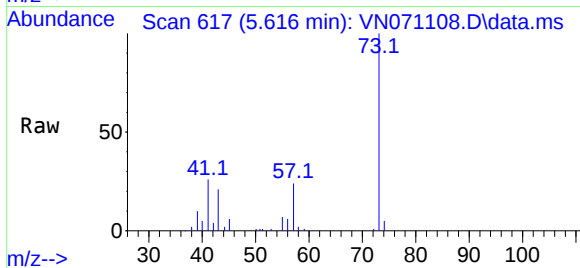
MW-44

Tgt Ion: 73 Resp: 152203

Ion Ratio Lower Upper

73 100

57 24.3 16.8 25.2



#22

Diisopropyl ether

Concen: 1.273 ug/l

RT: 6.492 min Scan# 766

Delta R.T. 0.006 min

Lab File: VN071108.D

Acq: 28 Feb 2022 20:44

Tgt Ion: 45 Resp: 38930

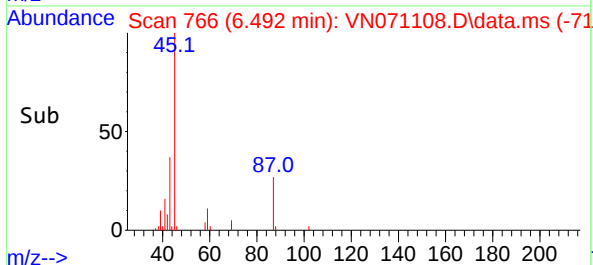
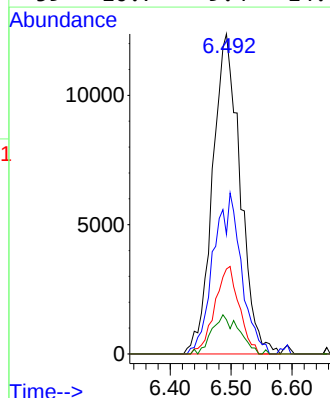
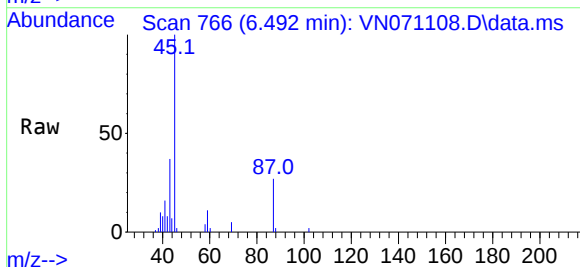
Ion Ratio Lower Upper

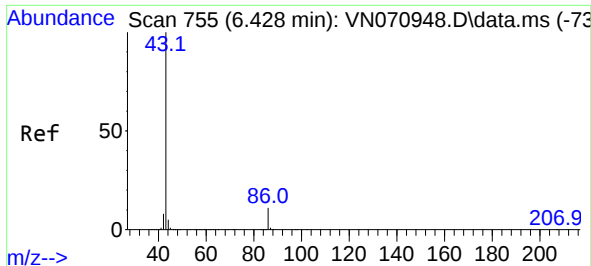
45 100

43 37.4 51.7 77.5#

87 26.6 23.2 34.8

59 10.7 9.4 14.0

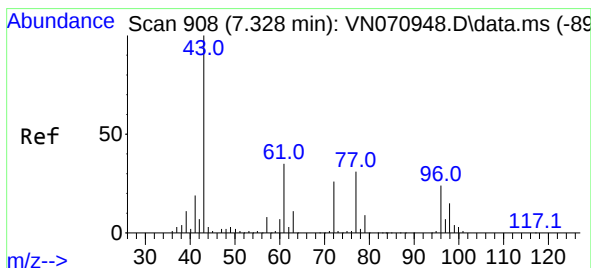
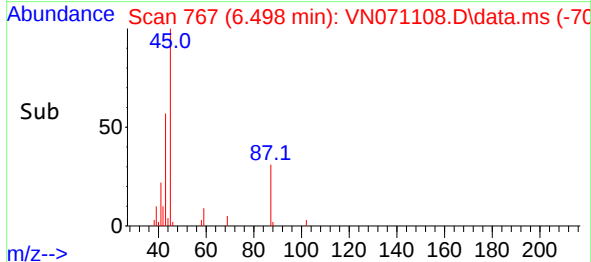
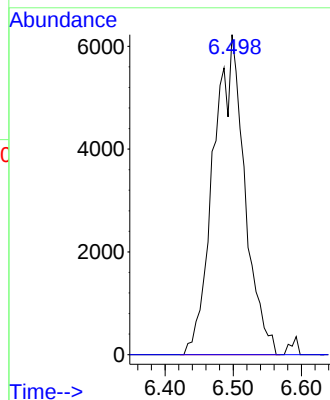
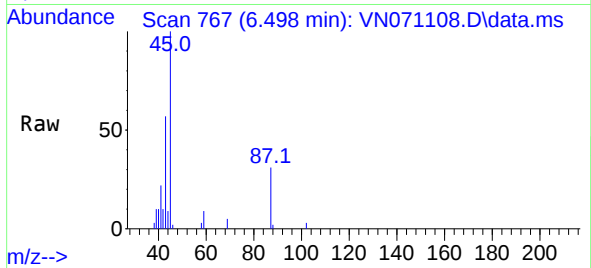




#23
Vinyl Acetate
Concen: 0.768 ug/l
RT: 6.498 min Scan# 711
Delta R.T. 0.071 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

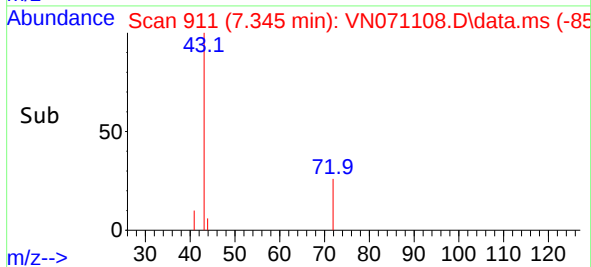
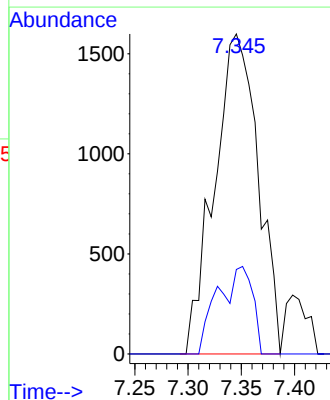
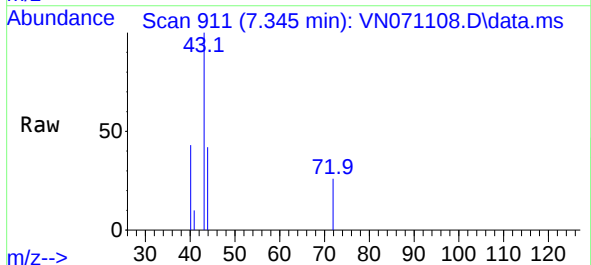
Instrument :
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ClientSampleId :
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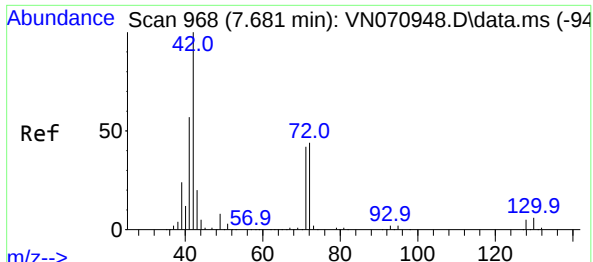
Tgt Ion: 43 Resp: 19891
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#



#25
2-Butanone
Concen: 0.639 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion: 43 Resp: 4565
Ion Ratio Lower Upper
43 100
72 26.4 21.7 32.5



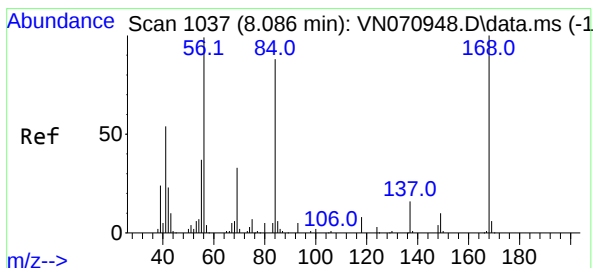
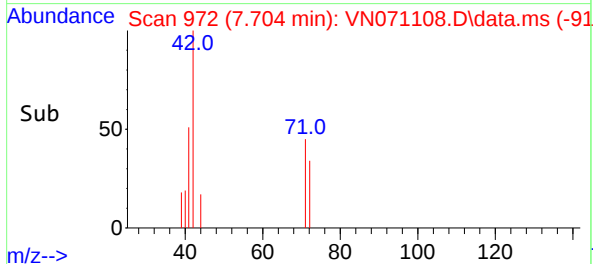
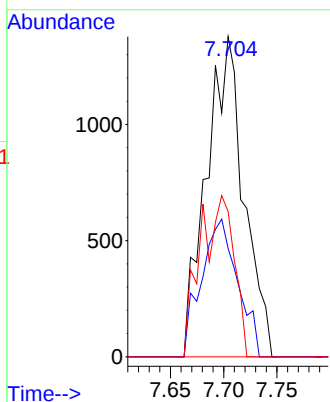
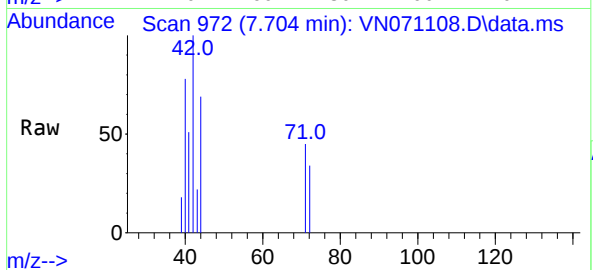


#29
Tetrahydrofuran
Concen: 0.729 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Instrument :
MSVOA_N
ClientSampleId :
MW-44

Tgt Ion: 42 Resp: 3377

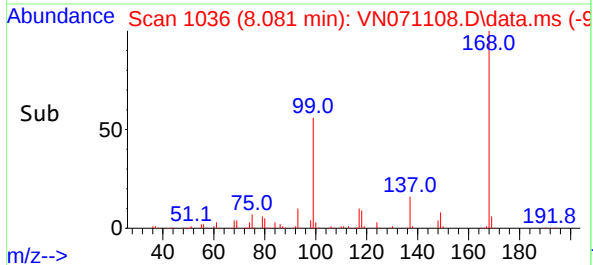
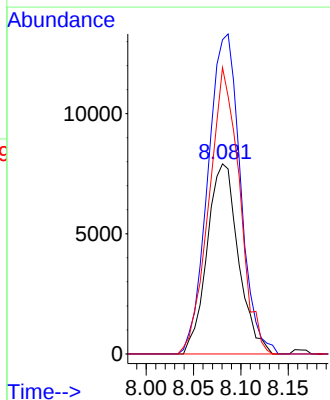
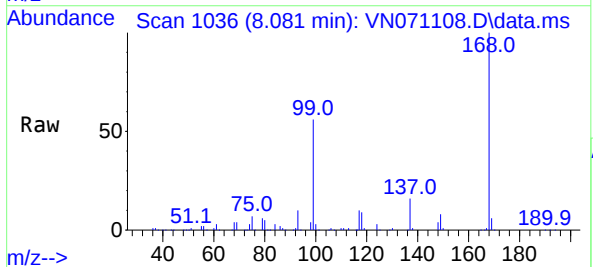
Ion	Ratio	Lower	Upper
42	100		
72	41.6	36.3	54.5
71	45.3	34.7	52.1

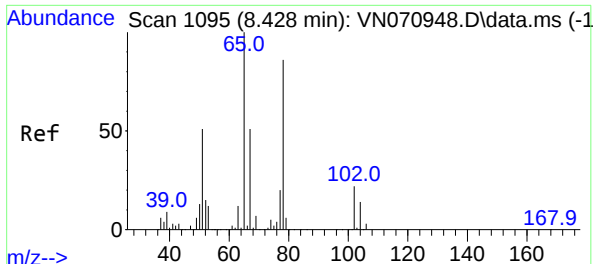


#31
Cyclohexane
Concen: 1.080 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion: 56 Resp: 18218

Ion	Ratio	Lower	Upper
56	100		
69	165.3	27.1	40.7#
84	150.6	73.4	110.0#

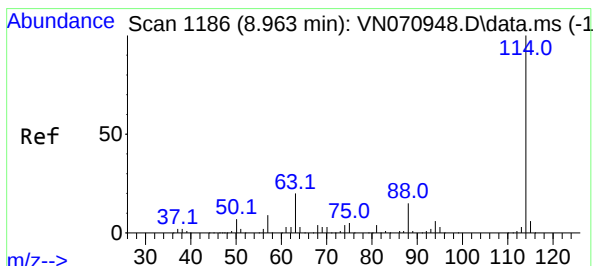
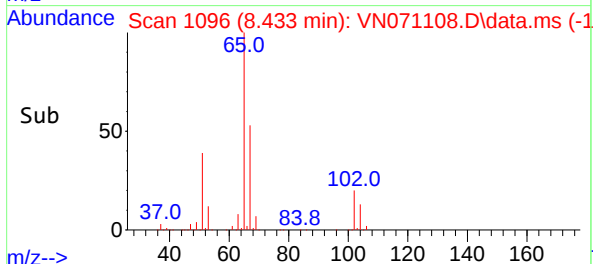
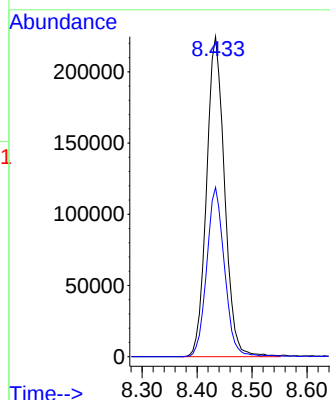
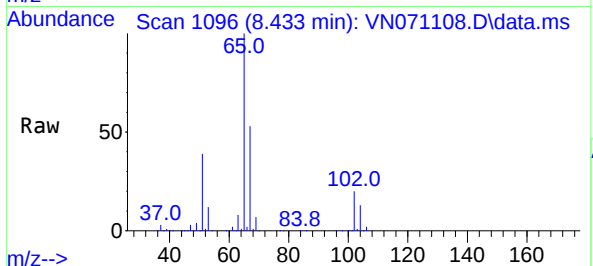




#33
1,2-Dichloroethane-d4
Concen: 52.442 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

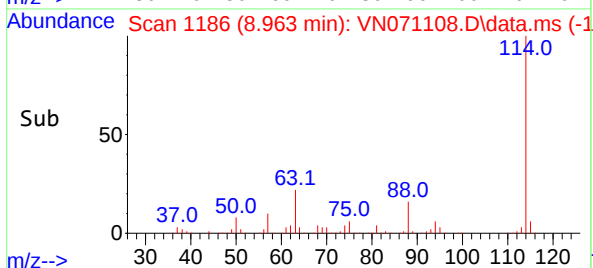
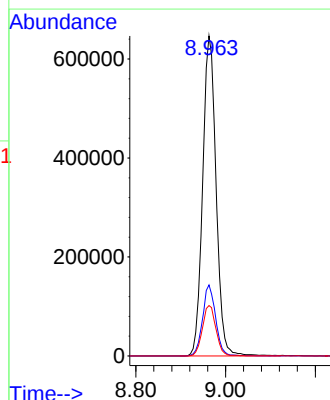
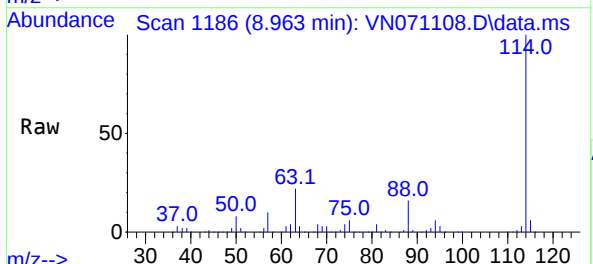
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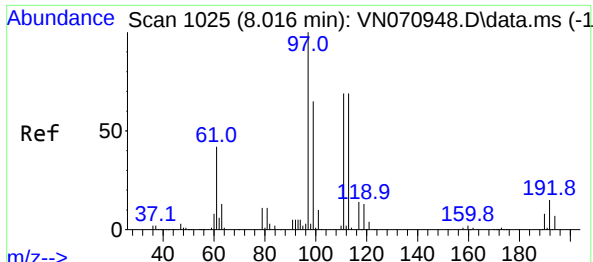
Tgt Ion: 65 Resp: 511670
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion:114 Resp: 1343852
Ion Ratio Lower Upper
114 100
63 22.2 0.0 37.8
88 15.8 0.0 27.4

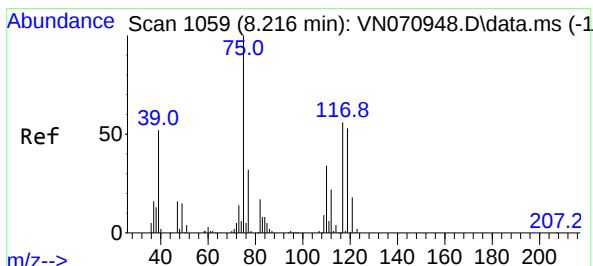
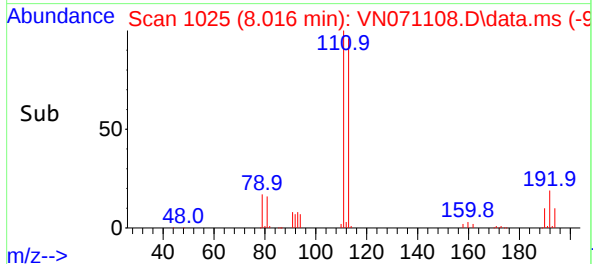
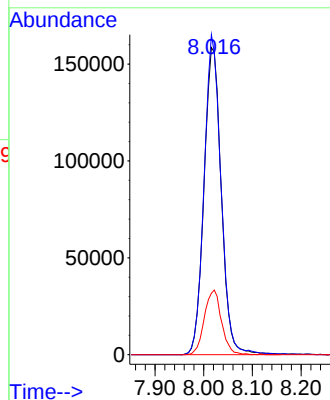
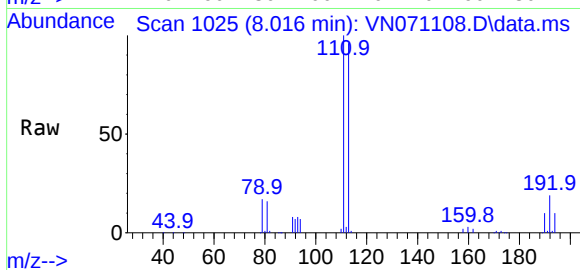




#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

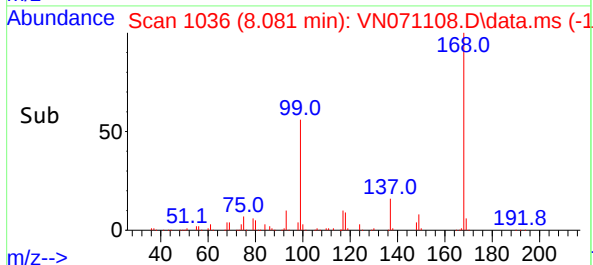
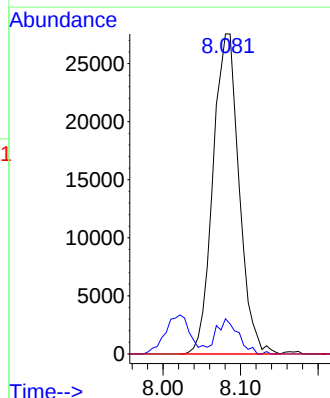
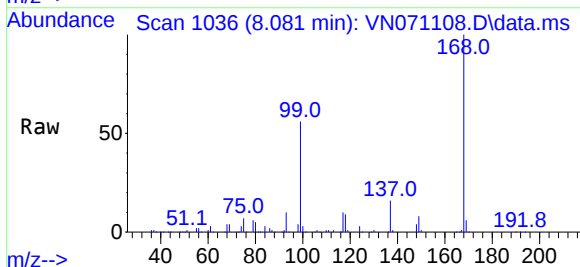
Instrument :
MSVOA_N
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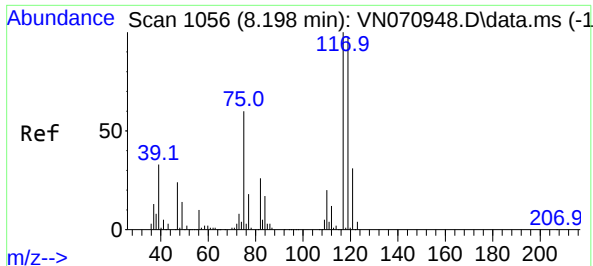
Tgt Ion:113 Resp: 391636
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion: 75 Resp: 64503
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#

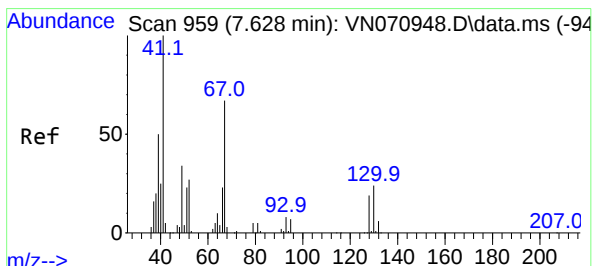
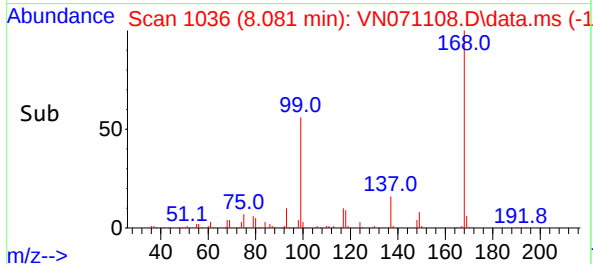
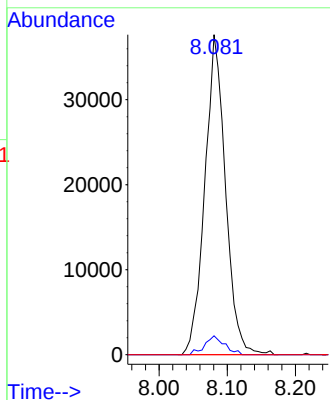
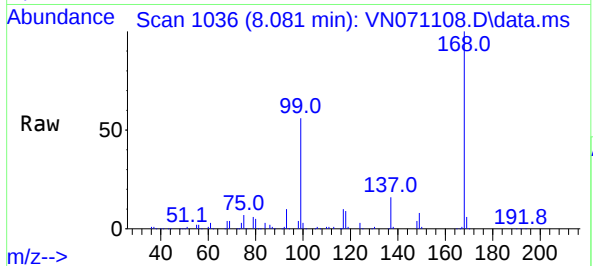




#38
Carbon Tetrachloride
Concen: 6.153 ug/l
RT: 8.081 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

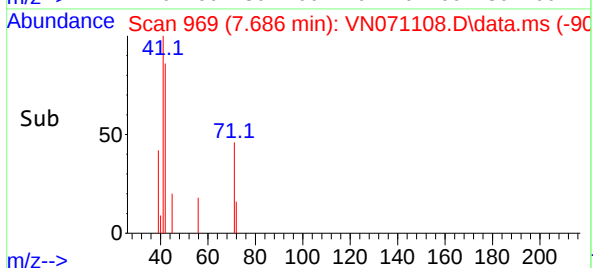
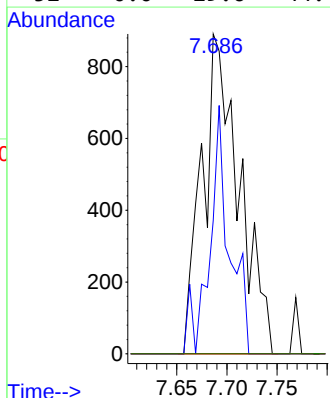
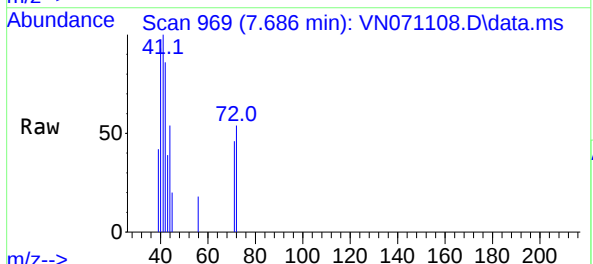
Instrument :
MSVOA_N
ClientSampleId :
MW-44

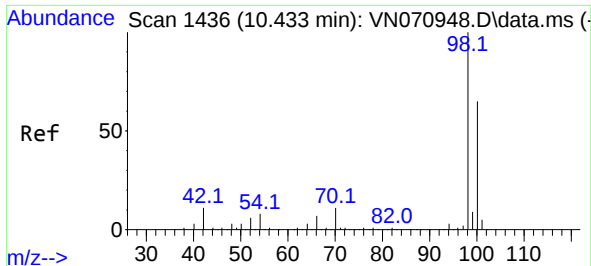
Tgt Ion:117 Resp: 79389
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.307 ug/l
RT: 7.686 min Scan# 969
Delta R.T. 0.059 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion: 41 Resp: 2273
Ion Ratio Lower Upper
41 100
39 41.8 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

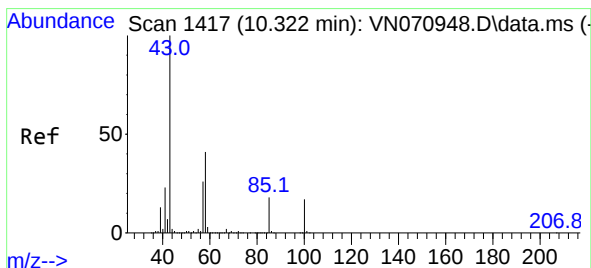
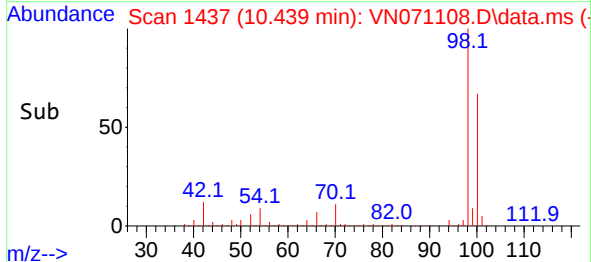
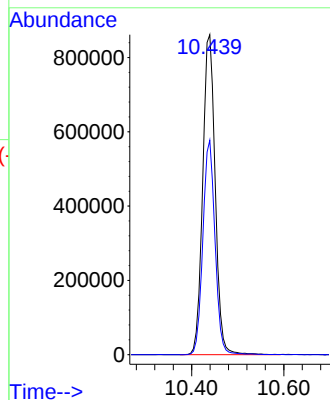
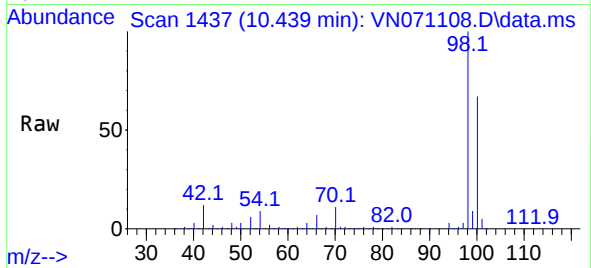




#50
Toluene-d8
Concen: 50.738 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

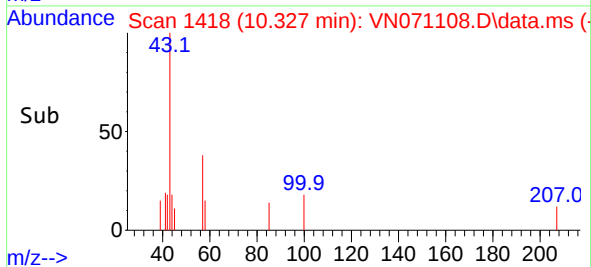
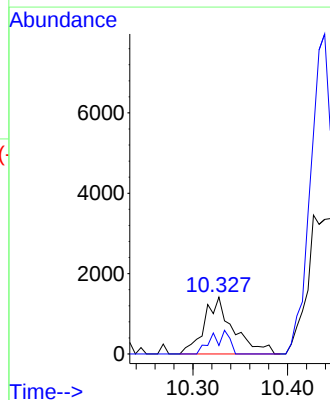
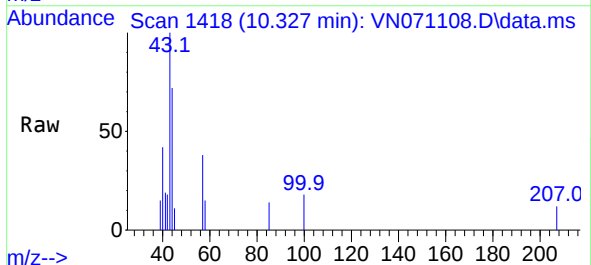
Instrument :
MSVOA_N
ClientSampleId :
MW-44

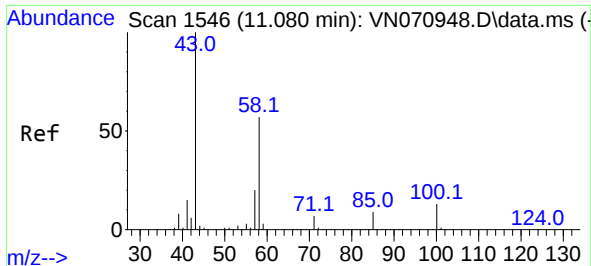
Tgt Ion: 98 Resp: 1628711
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.224 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion: 43 Resp: 3023
Ion Ratio Lower Upper
43 100
58 24.9 30.4 45.6#

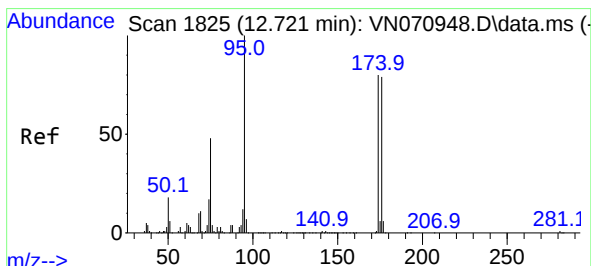
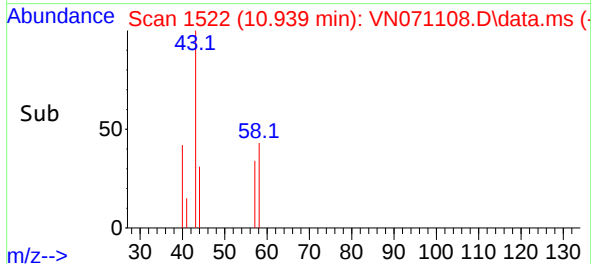
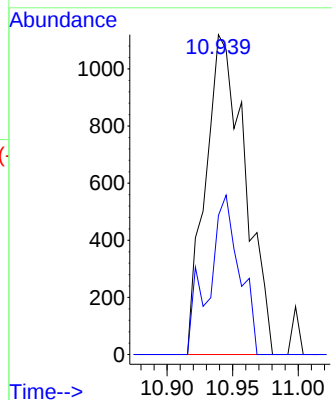
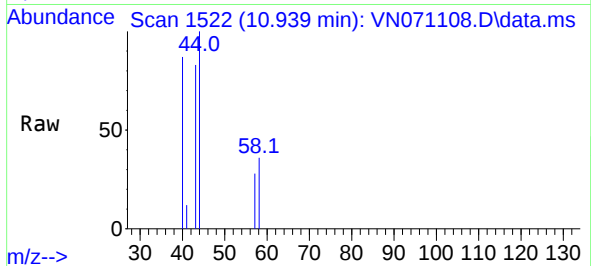




#59
2-Hexanone
Concen: 0.253 ug/l
RT: 10.939 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

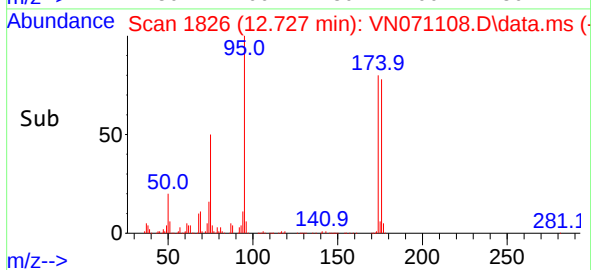
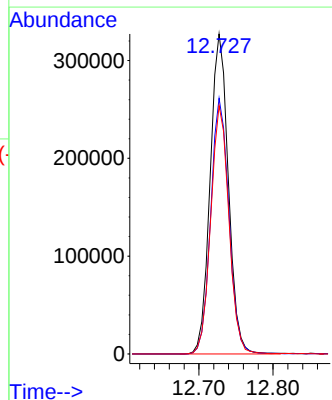
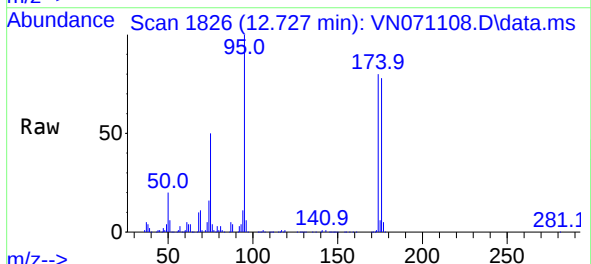
Instrument :
MSVOA_N
ClientSampleId :
MW-44

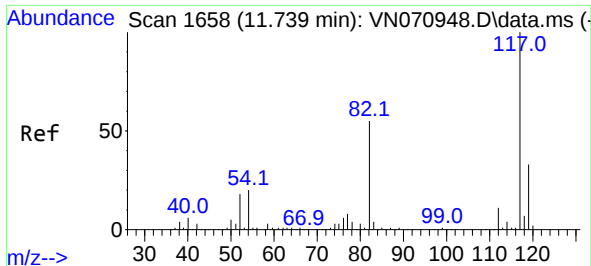
Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
58 39.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.658 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion: 95 Resp: 558302
Ion Ratio Lower Upper
95 100
174 80.0 0.0 187.2
176 77.2 0.0 181.4

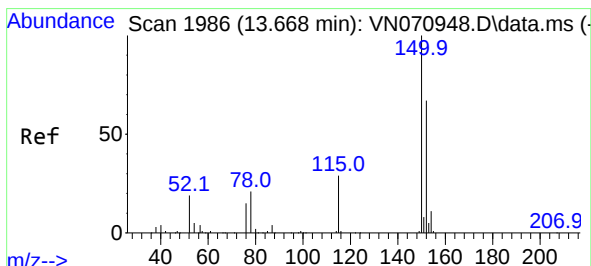
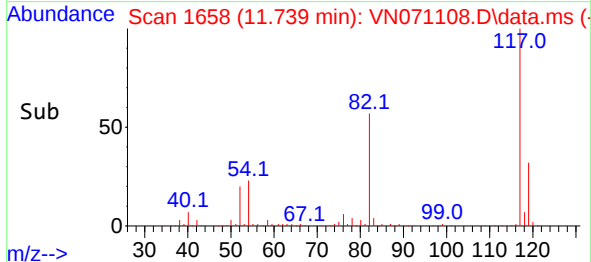
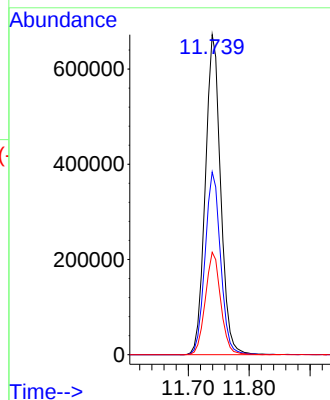
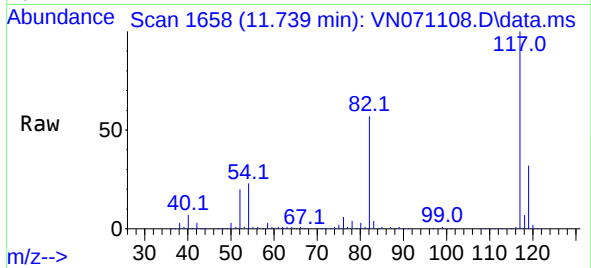




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1173004
Delta R.T. -0.000 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

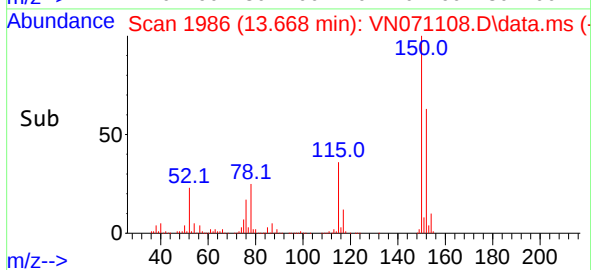
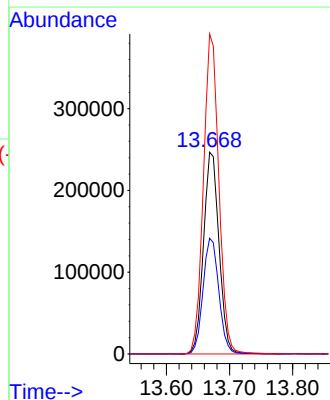
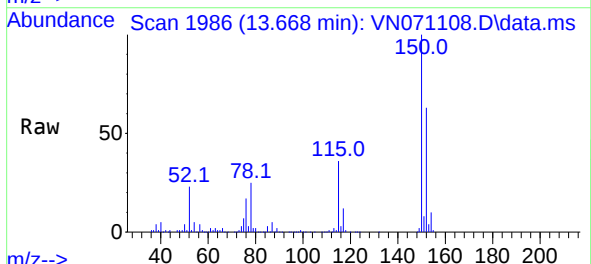
Instrument :
MSVOA_N
ClientSampleId :
MW-44

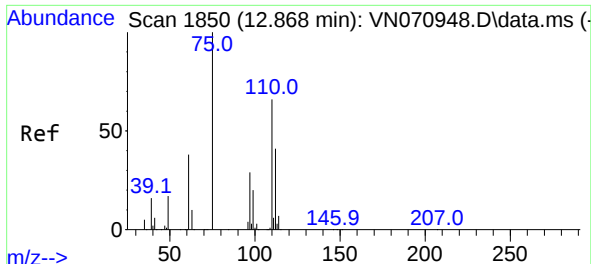
Tgt Ion:117 Resp: 1173004
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

Tgt Ion:152 Resp: 422570
Ion Ratio Lower Upper
152 100
115 58.5 27.5 82.5
150 157.6 0.0 344.4

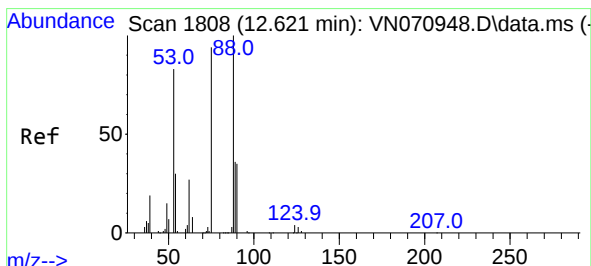
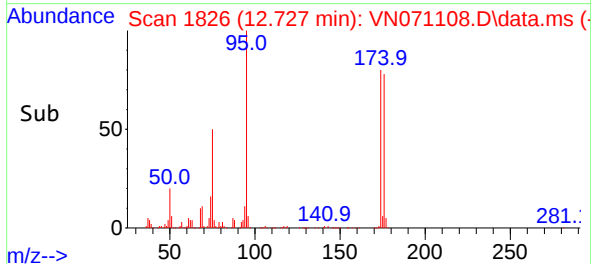
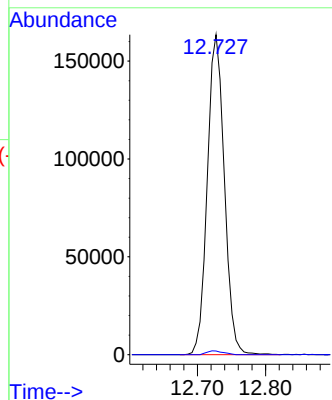
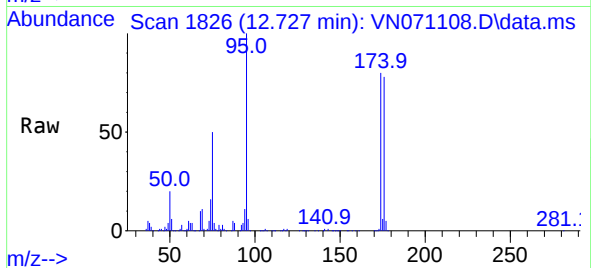




#76
 1,2,3-Trichloropropane
 Concen: 28.562 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.141 min
 Lab File: VN071108.D
 Acq: 28 Feb 2022 20:44

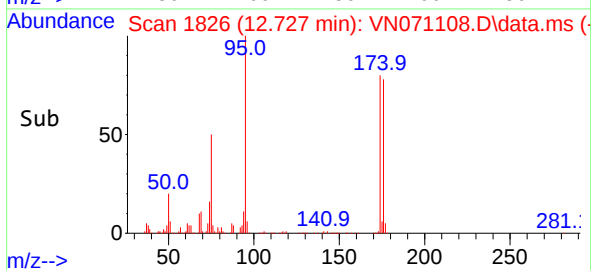
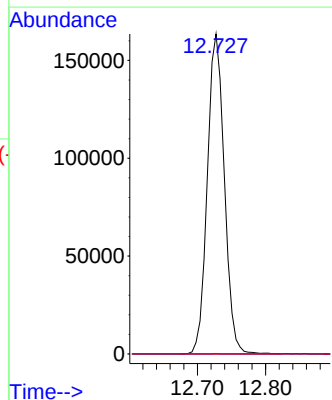
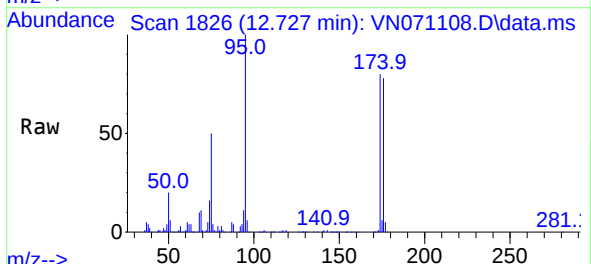
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44

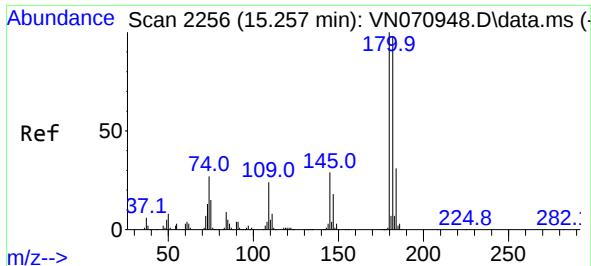
Tgt Ion: 75 Resp: 284182
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.556 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.106 min
 Lab File: VN071108.D
 Acq: 28 Feb 2022 20:44

Tgt Ion: 75 Resp: 284182
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

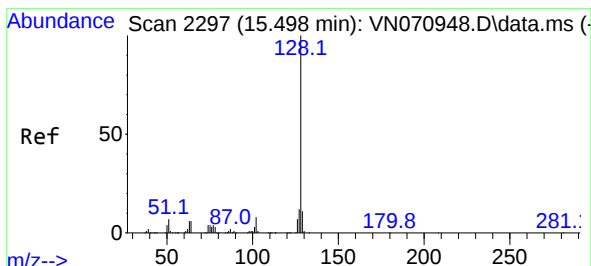
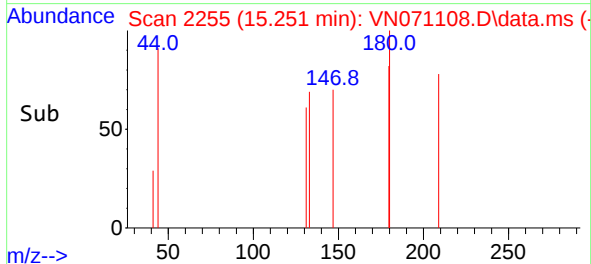
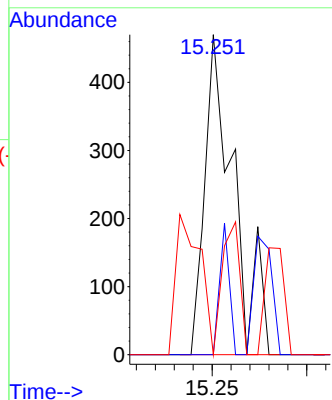
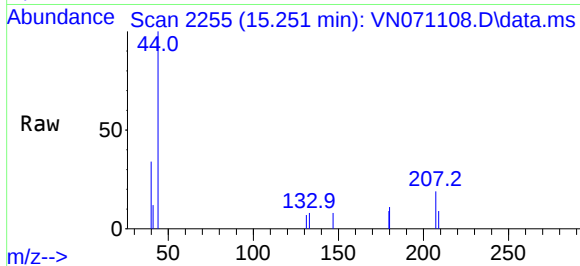




#93
1,2,4-Trichlorobenzene
Concen: 2.060 ug/l
RT: 15.251 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

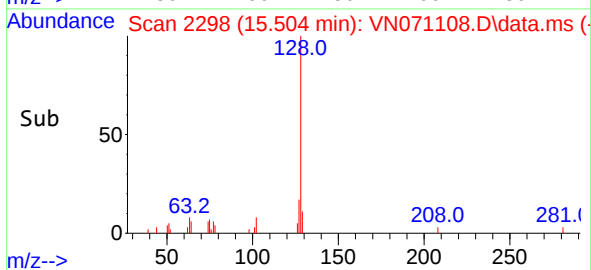
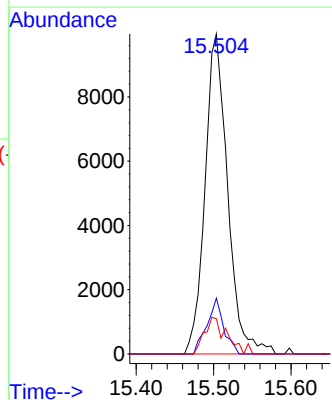
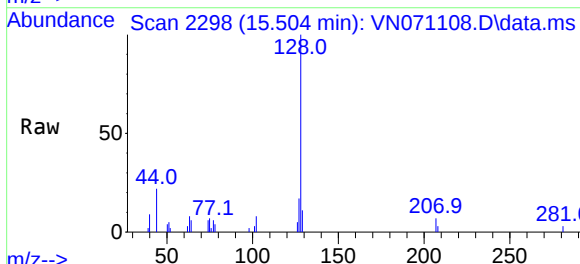
Instrument :
MSVOA_N
ClientSampleId :
MW-44

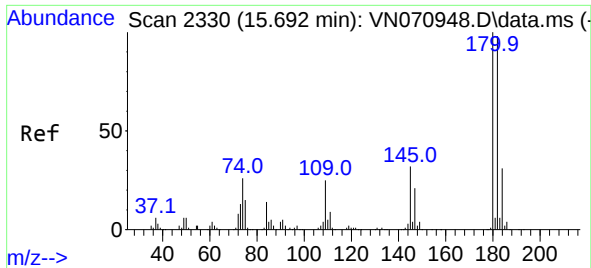
Tgt Ion:	180	Resp:	499
Ion	Ratio	Lower	Upper
180	100		
182	13.6	48.3	144.9#
145	25.1	14.5	43.5



#95
Naphthalene
Concen: 5.954 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071108.D
Acq: 28 Feb 2022 20:44

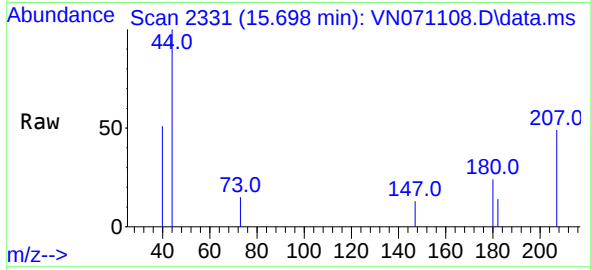
Tgt Ion:	128	Resp:	20246
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.4	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.544 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071108.D
 Acq: 28 Feb 2022 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44



Tgt Ion:	180	Resp:	213
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.4	142.2
145	28.2	15.0	45.1

