

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012722\
 Data File : VN070808.D
 Acq On : 27 Jan 2022 16:05
 Operator : JC/MD
 Sample : N1278-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Jan 28 00:37:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

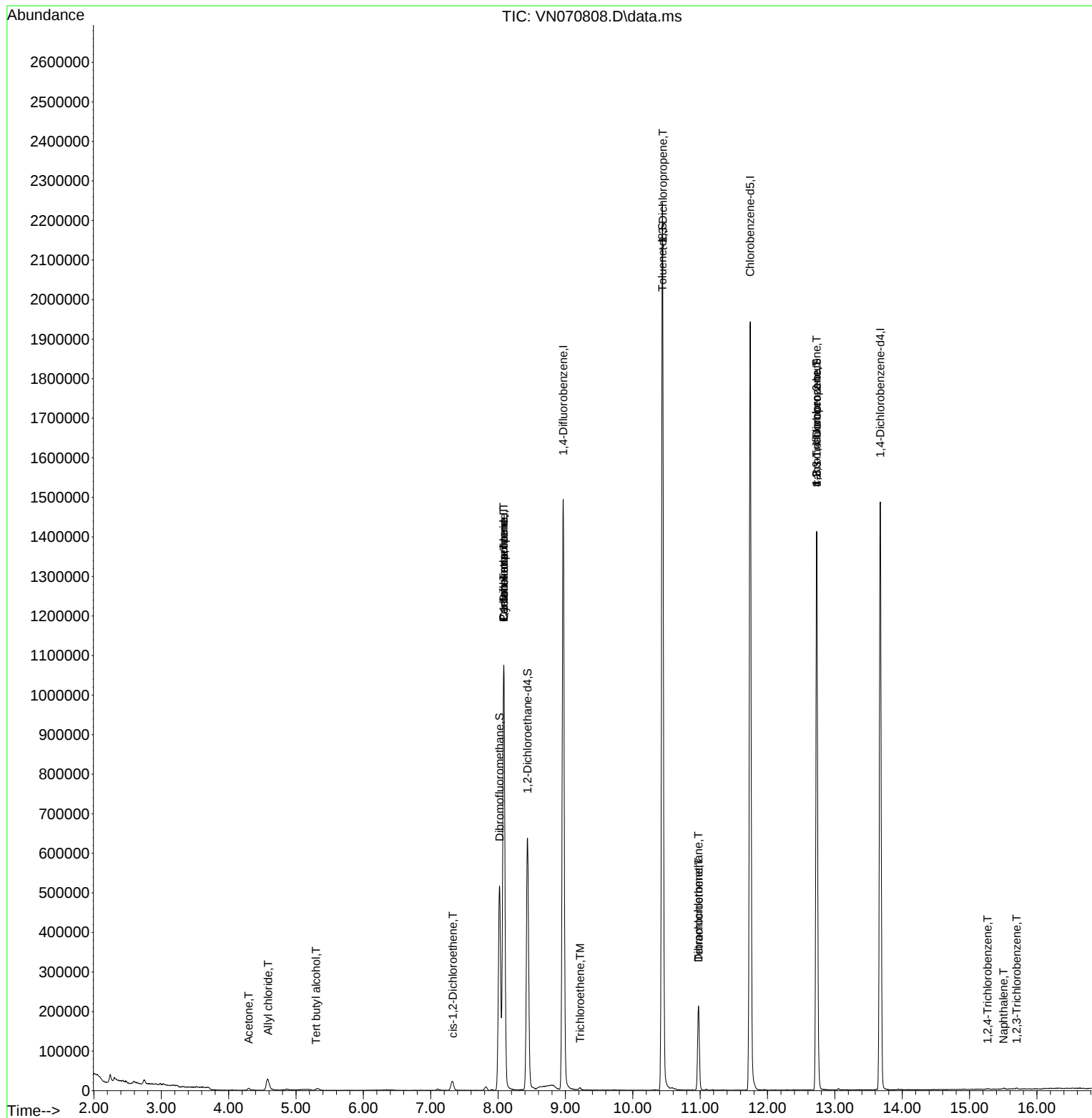
Internal Standards						
1) Pentafluorobenzene	8.083	168	808524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1275421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1134953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	415956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	563984	48.672	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	97.340%	
35) Dibromofluoromethane	8.021	113	378906	47.893	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	95.780%	
50) Toluene-d8	10.440	98	1572049	47.168	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	94.340%	
62) 4-Bromofluorobenzene	12.731	95	519834	43.770	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	87.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.299	59	1362	0.652	ug/l #	71
14) Allyl chloride	4.586	41	4755	0.244	ug/l #	69
16) Acetone	4.296	43	4672	0.581	ug/l	91
27) cis-1,2-Dichloroethene	7.329	96	6766	0.633	ug/l	78
31) Cyclohexane	8.086	56	18725	0.918	ug/l #	2
36) 1,1-Dichloropropene	8.083	75	67261	5.050	ug/l #	49
38) Carbon Tetrachloride	8.083	117	84472	7.129	ug/l #	16
44) Trichloroethene	9.217	130	2157	0.231	ug/l	99
53) t-1,3-Dichloropropene	10.446	75	419	2.428	ug/l #	1
60) Dibromochloromethane	10.974	129	48106	5.318	ug/l #	11
64) Tetrachloroethene	10.977	164	50031	6.012	ug/l	96
76) 1,2,3-Trichloropropane	12.731	75	282592	25.615	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	282592	76.312	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1015	3.548	ug/l #	48
95) Naphthalene	15.504	128	3002	5.074	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.700	180	975	3.340	ug/l	95

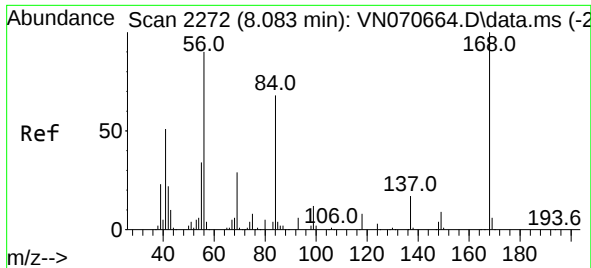
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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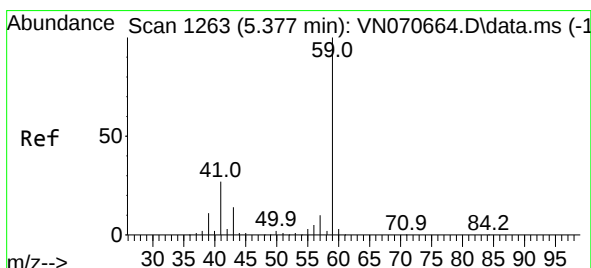
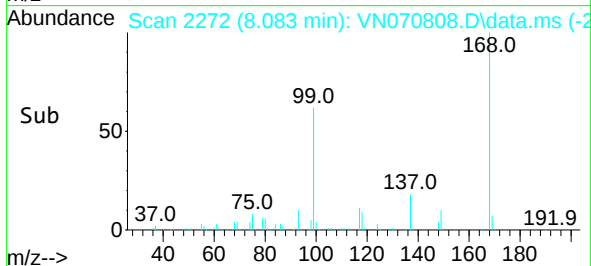
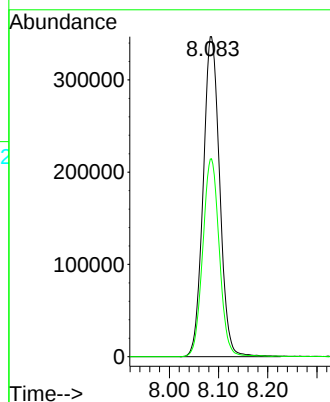
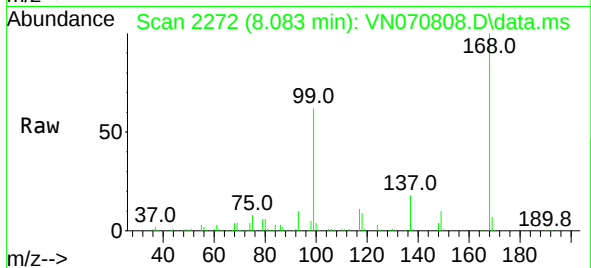




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

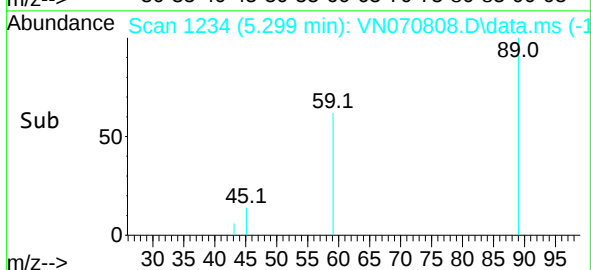
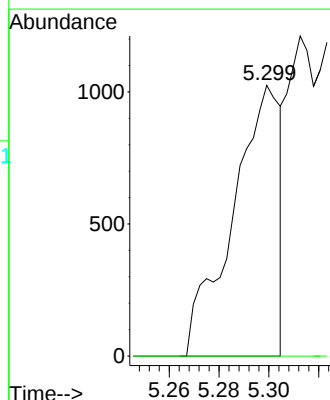
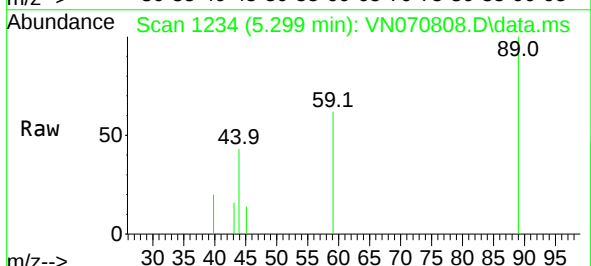
Instrument :
MSVOA_N
ClientSampleId :
MW-4

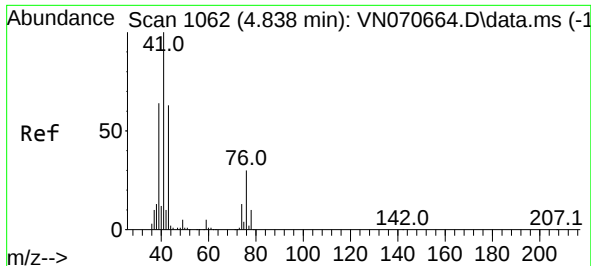
Tgt Ion:168 Resp: 808524
Ion Ratio Lower Upper
168 100
99 61.7 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.652 ug/l
RT: 5.299 min Scan# 1234
Delta R.T. -0.078 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion: 59 Resp: 1362
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#14

Allyl chloride

Concen: 0.244 ug/l

RT: 4.586 min Scan# 9

Delta R.T. -0.252 min

Lab File: VN070808.D

Acq: 27 Jan 2022 16:05

Instrument :

MSVOA_N

ClientSampleId :

MW-4

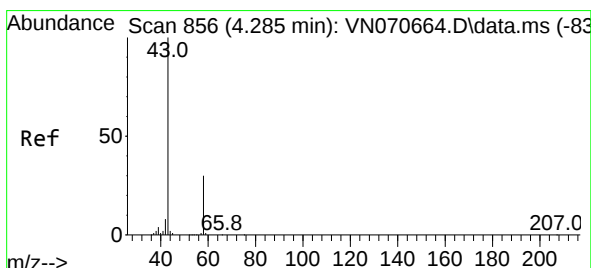
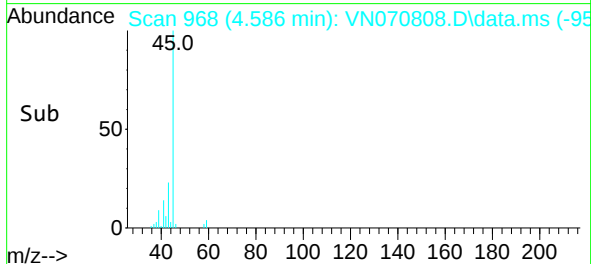
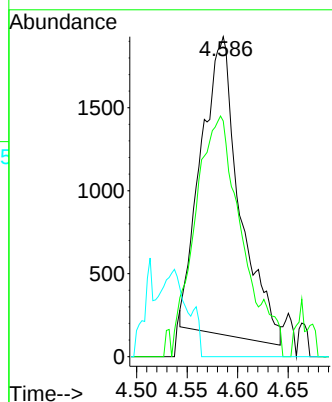
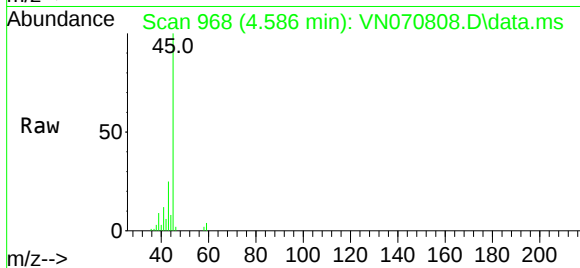
Tgt Ion: 41 Resp: 4755

Ion Ratio Lower Upper

41 100

39 59.4 61.2 91.8#

76 0.0 26.0 39.0#



#16

Acetone

Concen: 0.581 ug/l

RT: 4.296 min Scan# 860

Delta R.T. 0.011 min

Lab File: VN070808.D

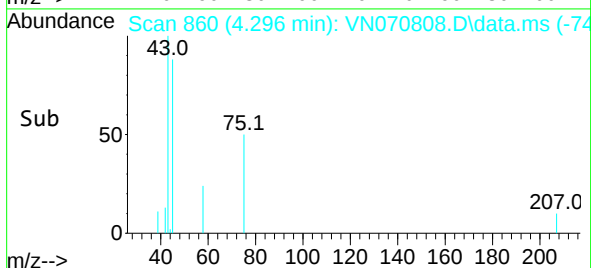
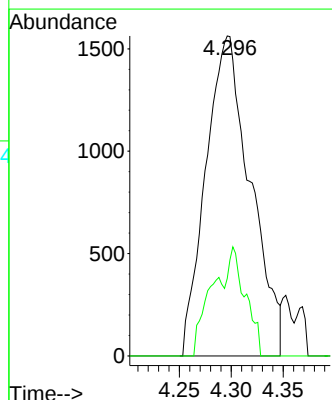
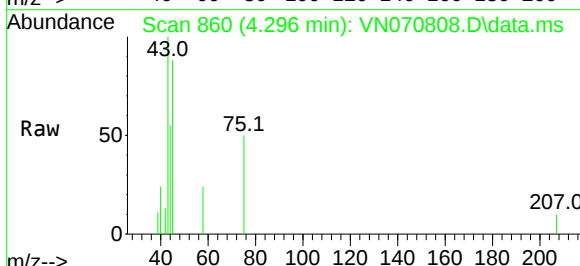
Acq: 27 Jan 2022 16:05

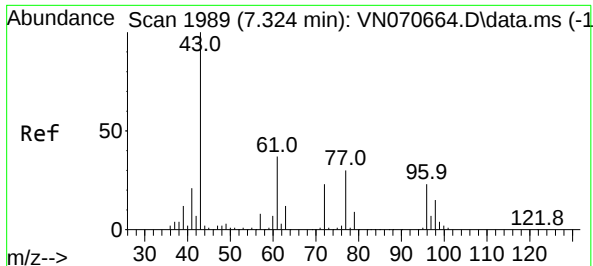
Tgt Ion: 43 Resp: 4672

Ion Ratio Lower Upper

43 100

58 24.2 23.1 34.7

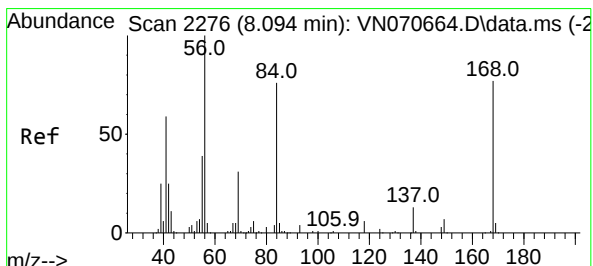
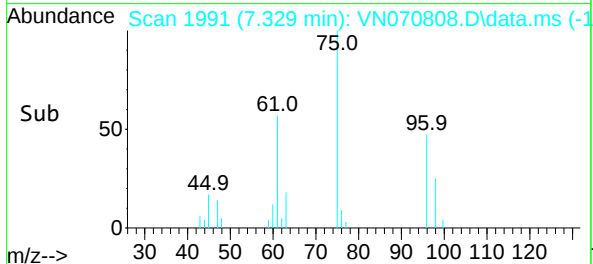
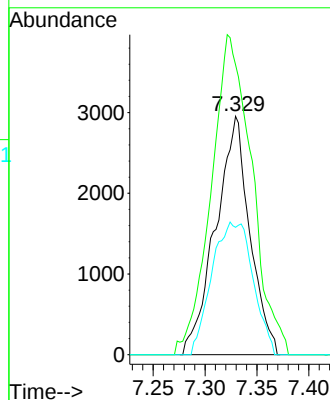
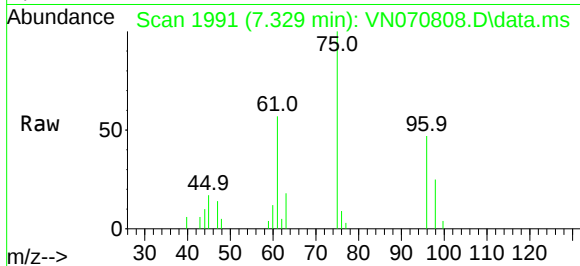




#27
 cis-1,2-Dichloroethene
 Concen: 0.633 ug/l
 RT: 7.329 min Scan# 1989
 Delta R.T. 0.005 min
 Lab File: VN070808.D
 Acq: 27 Jan 2022 16:05

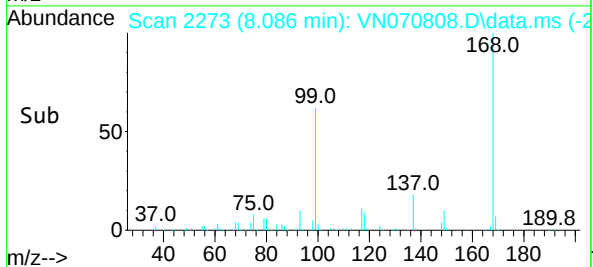
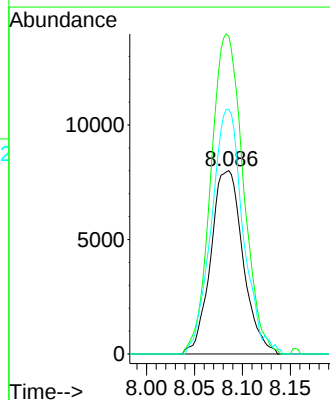
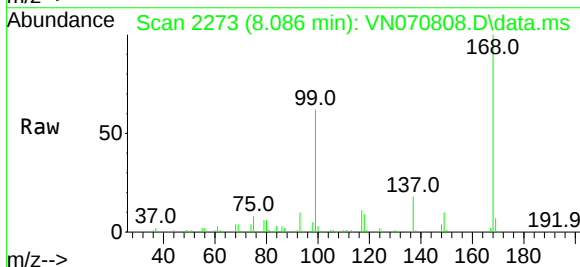
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

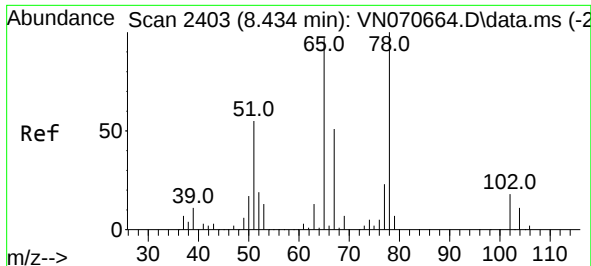
Tgt Ion:	96	Resp:	6766
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	275.0
98	39.4	0.0	129.6



#31
 Cyclohexane
 Concen: 0.918 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.008 min
 Lab File: VN070808.D
 Acq: 27 Jan 2022 16:05

Tgt Ion:	56	Resp:	18725
Ion	Ratio	Lower	Upper
56	100		
69	173.3	27.1	40.7#
84	133.5	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.672 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070808.D

Acq: 27 Jan 2022 16:05

Instrument :

MSVOA_N

ClientSampleId :

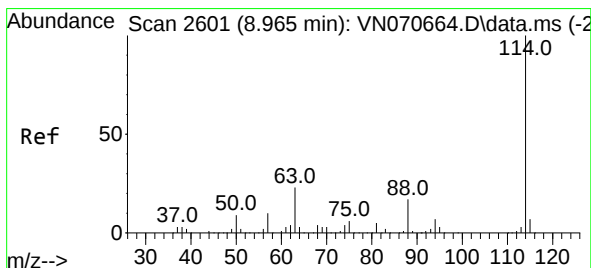
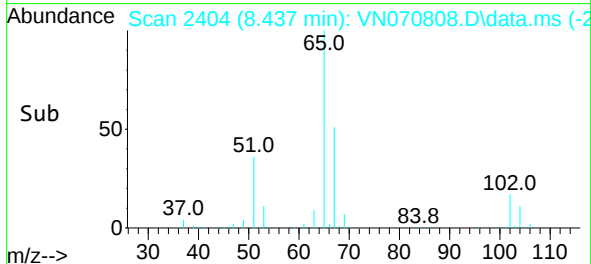
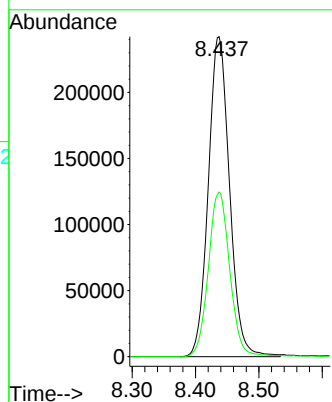
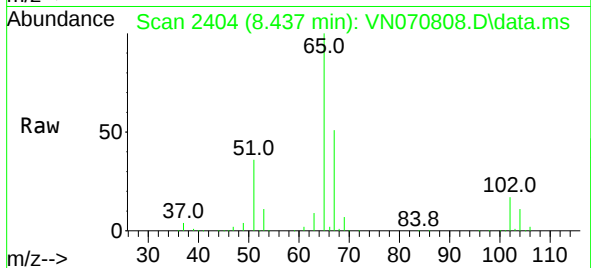
MW-4

Tgt Ion: 65 Resp: 563984

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070808.D

Acq: 27 Jan 2022 16:05

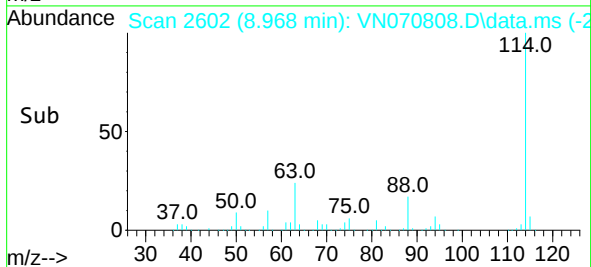
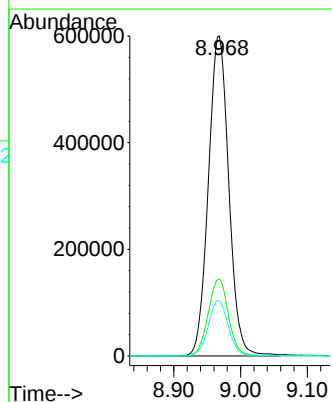
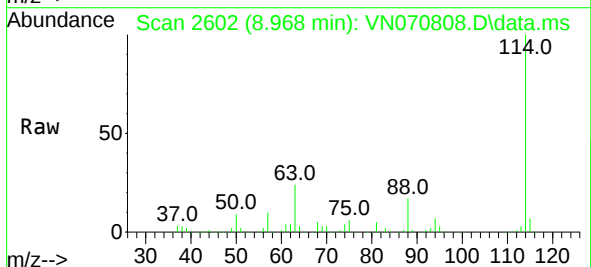
Tgt Ion: 114 Resp: 1275421

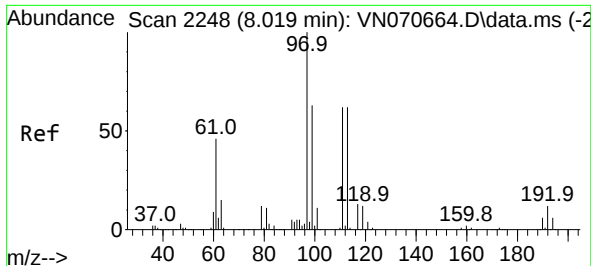
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

88 17.3 0.0 27.4

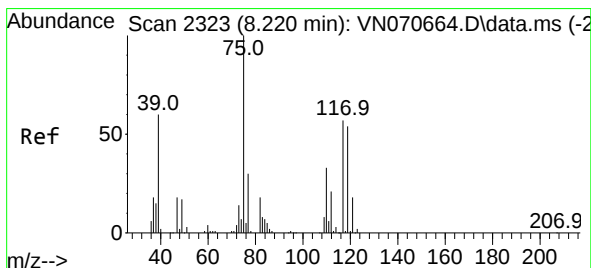
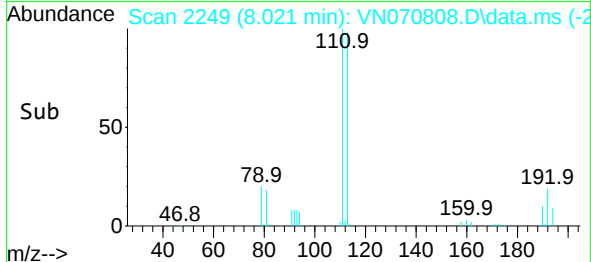
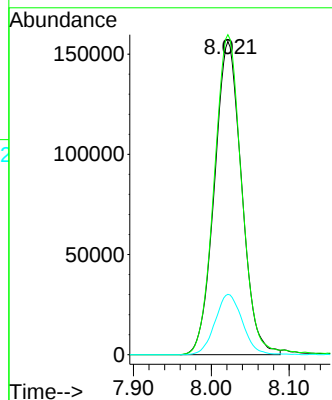
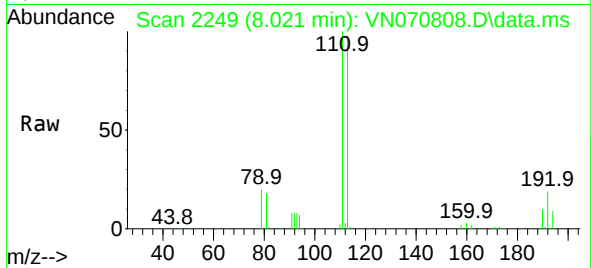




#35
Dibromofluoromethane
Concen: 47.893 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

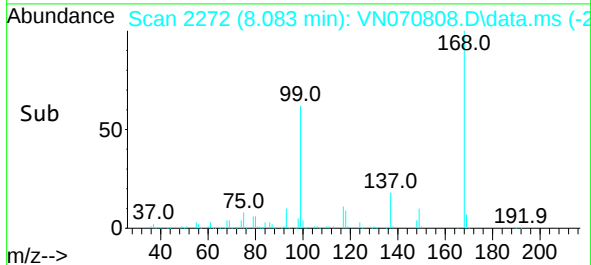
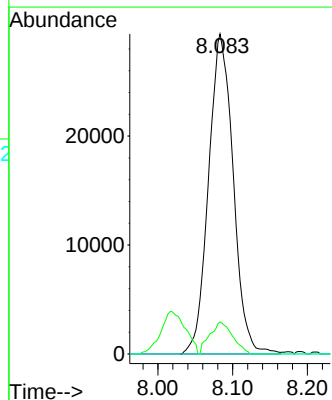
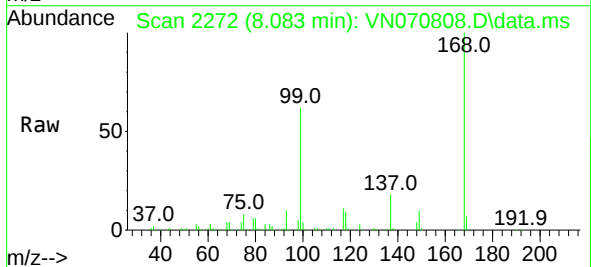
Instrument :
MSVOA_N
ClientSampleId :
MW-4

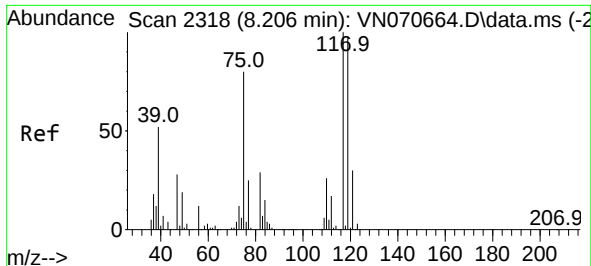
Tgt Ion:113 Resp: 378906
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.050 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion: 75 Resp: 67261
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#

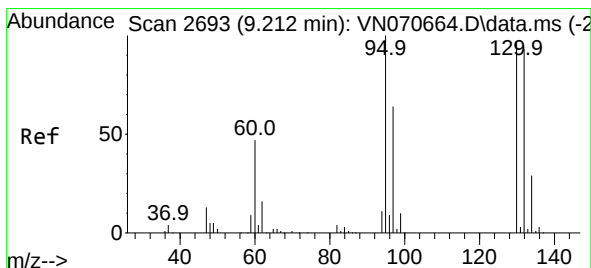
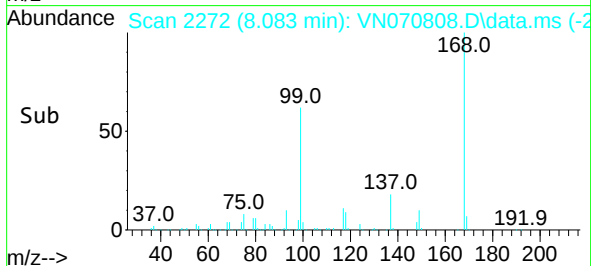
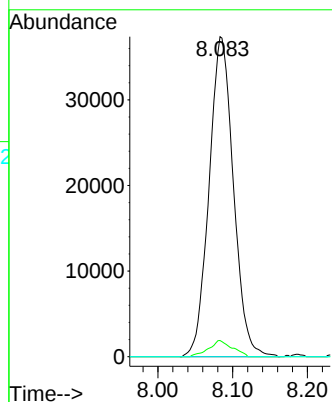
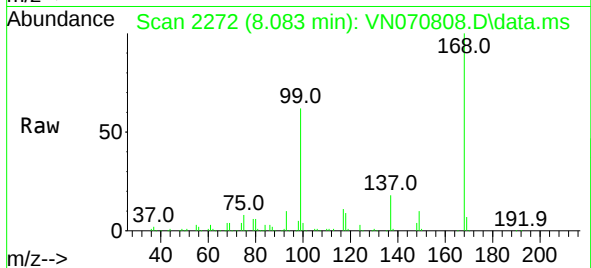




#38
Carbon Tetrachloride
Concen: 7.129 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.123 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

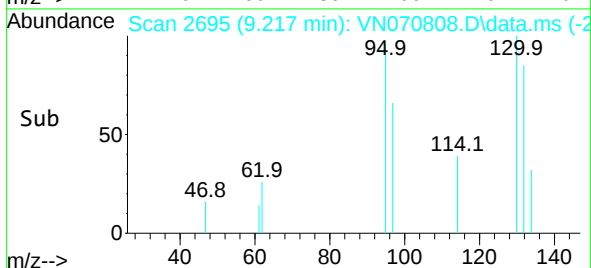
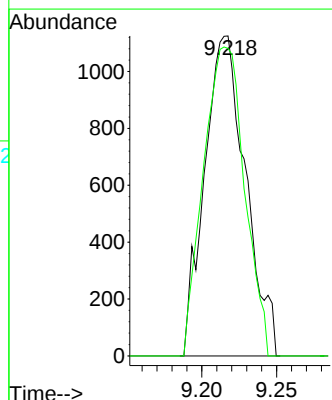
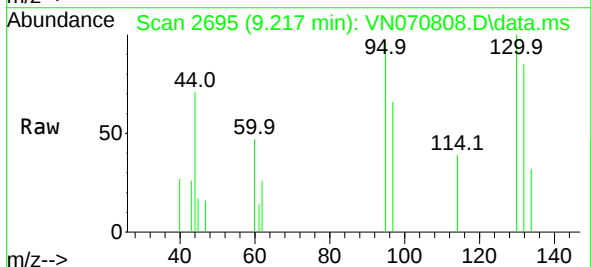
Instrument :
MSVOA_N
ClientSampleId :
MW-4

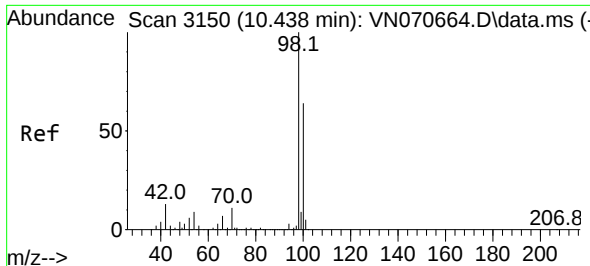
Tgt Ion:117 Resp: 84472
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.231 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.005 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion:130 Resp: 2157
Ion Ratio Lower Upper
130 100
95 96.1 0.0 191.2

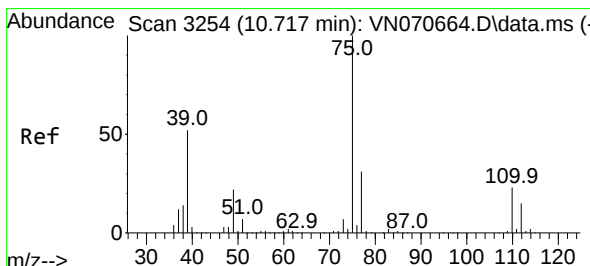
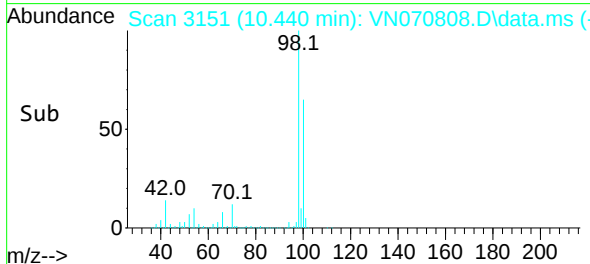
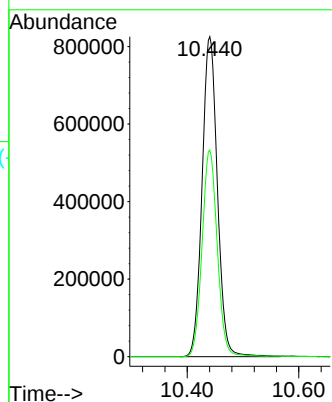
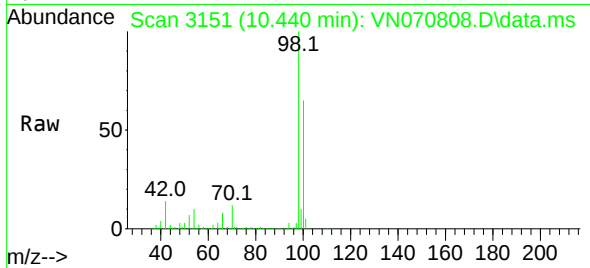




#50
Toluene-d8
Concen: 47.168 ug/l
RT: 10.440 min Scan# 3150
Delta R.T. 0.002 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

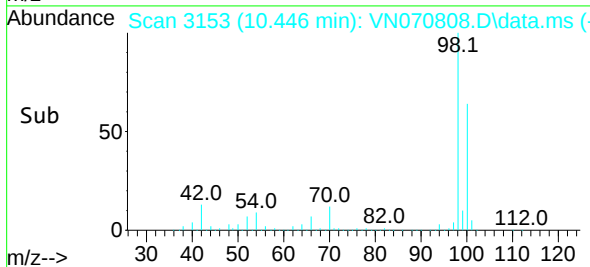
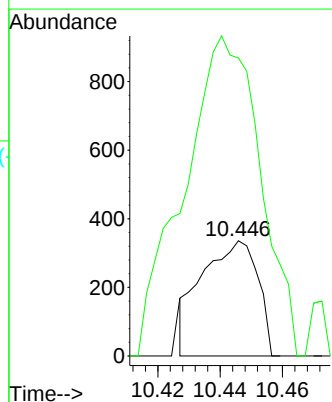
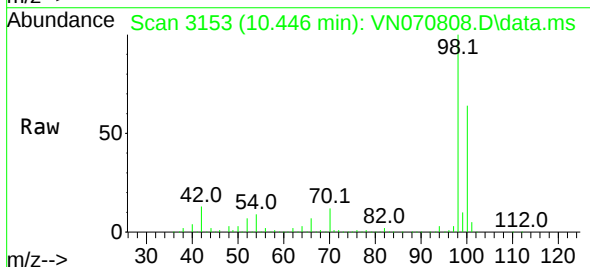
Instrument :
MSVOA_N
ClientSampleId :
MW-4

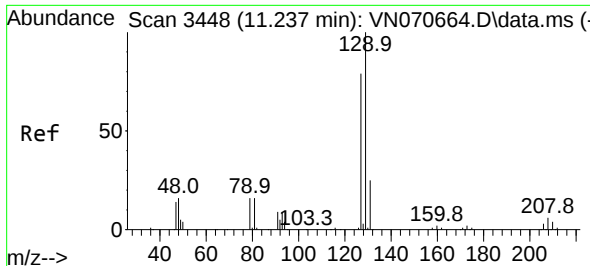
Tgt Ion: 98 Resp: 1572049
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.428 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.271 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion: 75 Resp: 419
Ion Ratio Lower Upper
75 100
77 179.5 25.6 38.4#

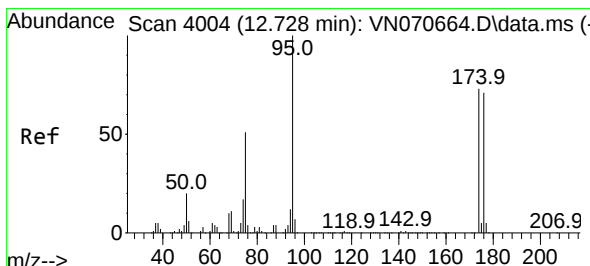
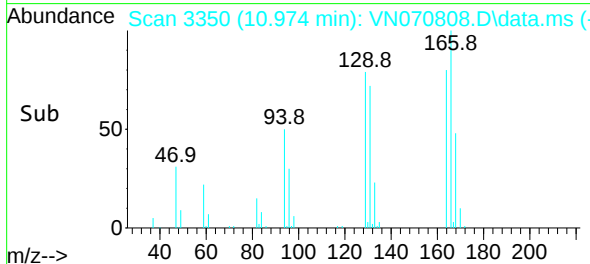
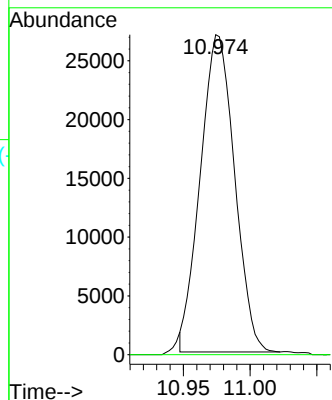
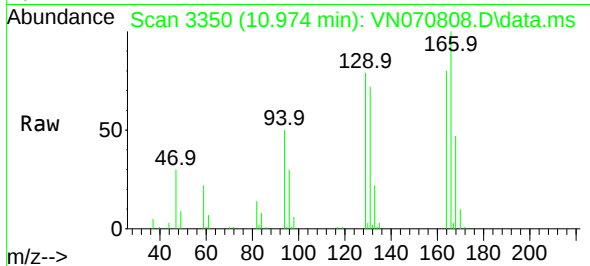




#60
Dibromochloromethane
Concen: 5.318 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

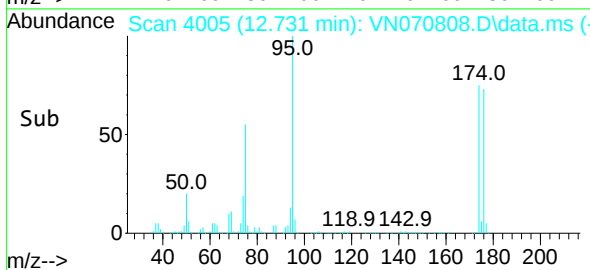
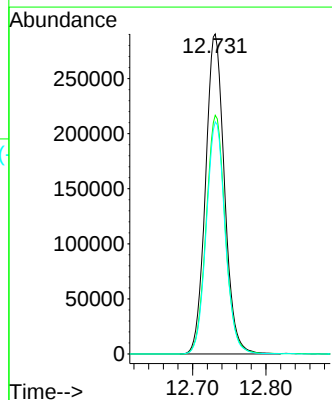
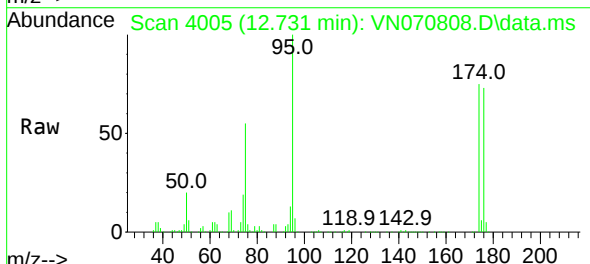
Instrument :
MSVOA_N
ClientSampleId :
MW-4

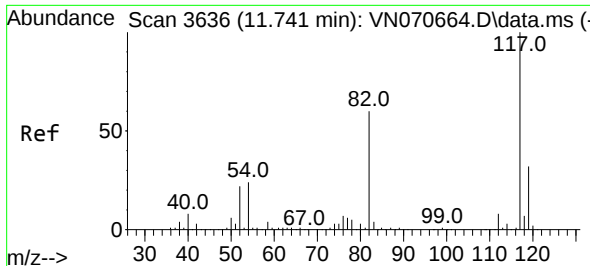
Tgt Ion:129 Resp: 48106
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.770 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion: 95 Resp: 519834
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.5 0.0 181.4

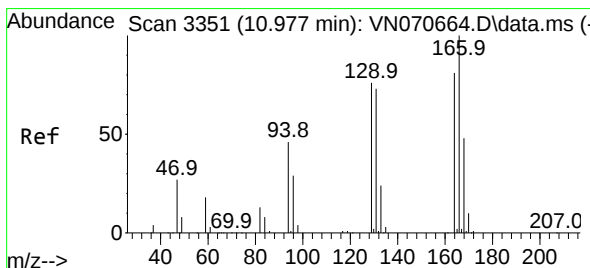
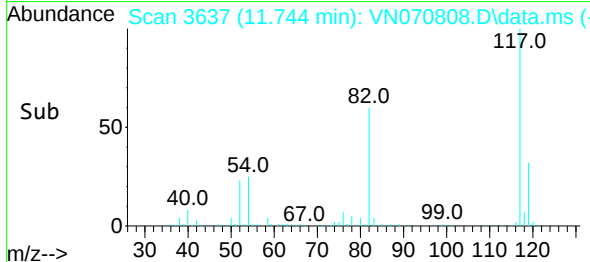
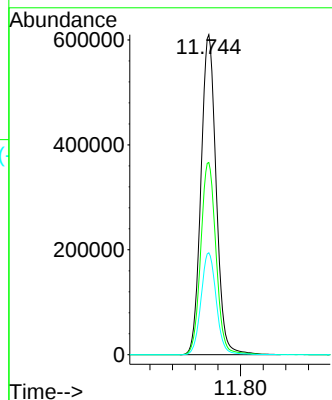
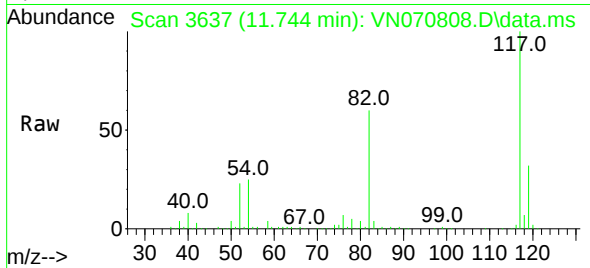




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

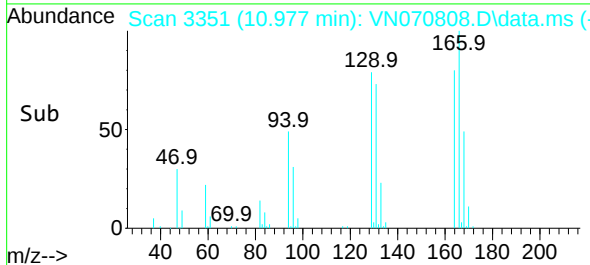
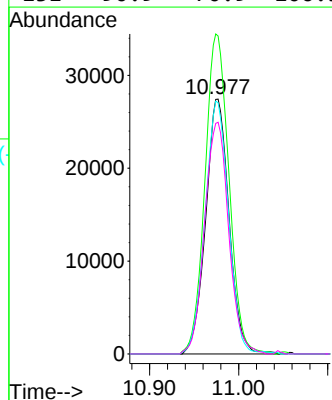
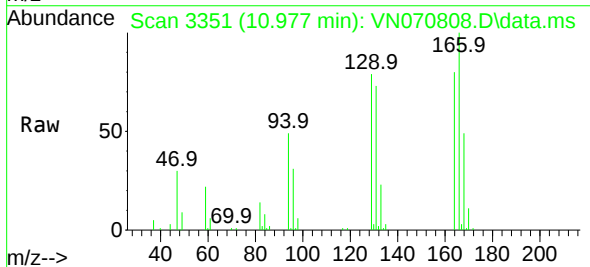
Instrument :
MSVOA_N
ClientSampleId :
MW-4

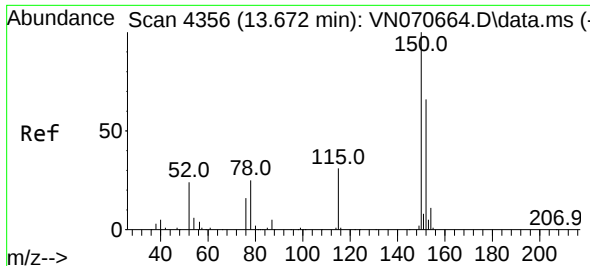
Tgt Ion:117 Resp: 1134953
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 6.012 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.000 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion:164 Resp: 50031
Ion Ratio Lower Upper
164 100
166 124.7 101.9 152.9
129 98.5 72.0 108.0
131 90.9 70.9 106.3

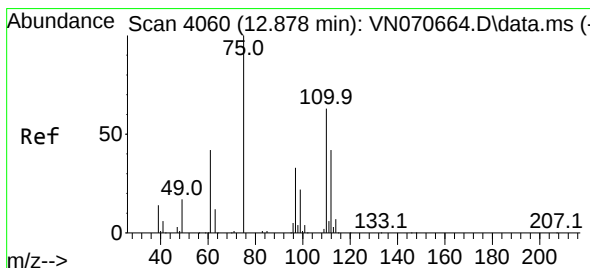
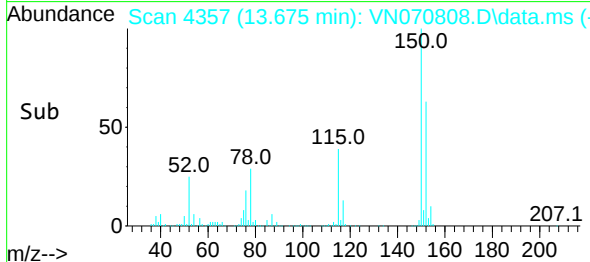
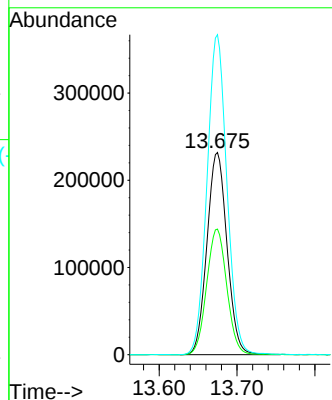
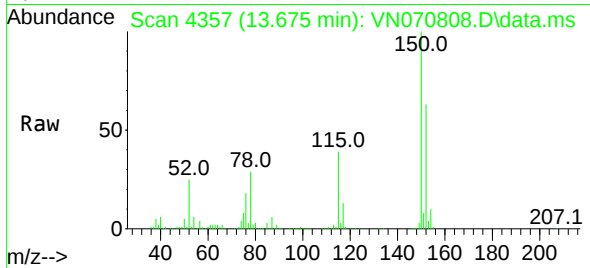




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

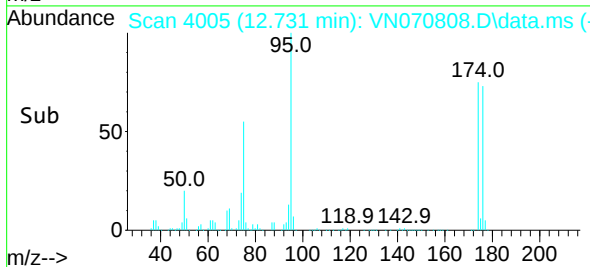
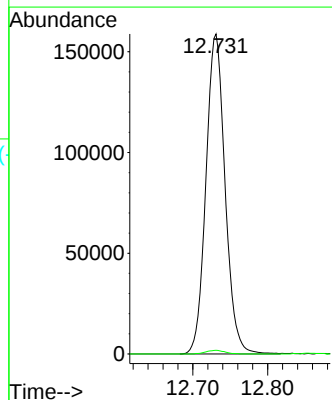
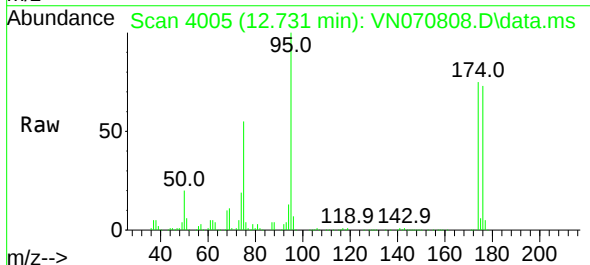
Instrument :
MSVOA_N
ClientSampleId :
MW-4

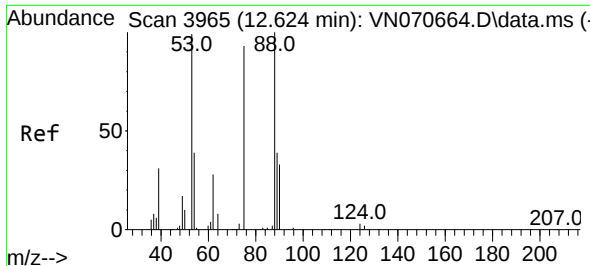
Tgt Ion:152 Resp: 415956
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 156.8 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 25.615 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion: 75 Resp: 282592
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

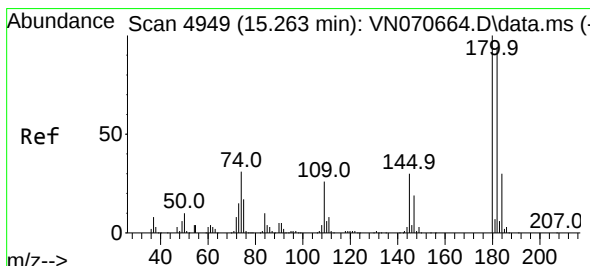
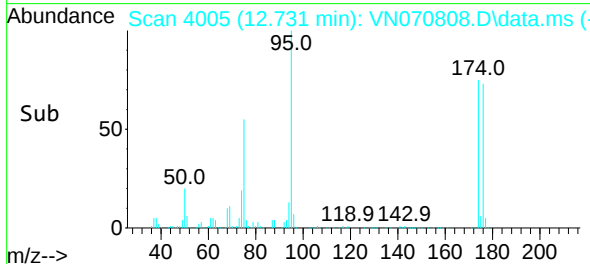
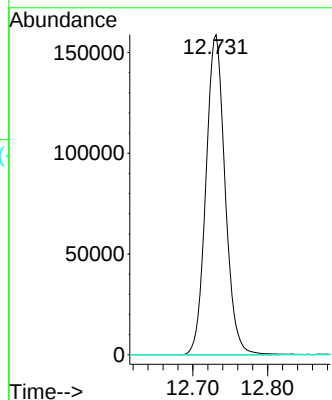
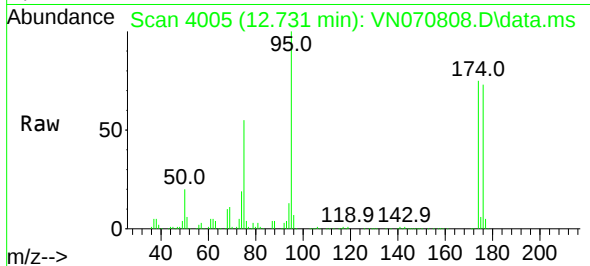




#81
trans-1,4-Dichloro-2-butene
Concen: 76.312 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

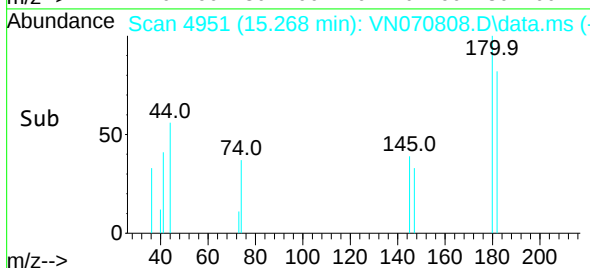
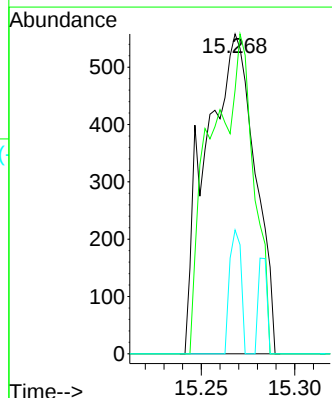
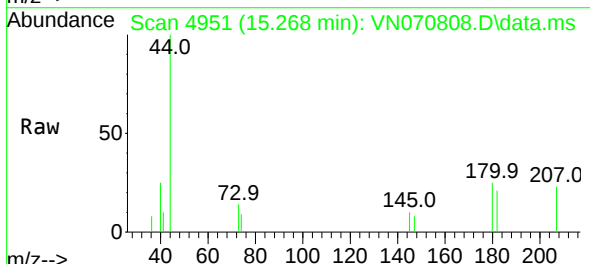
Instrument :
MSVOA_N
ClientSampleId :
MW-4

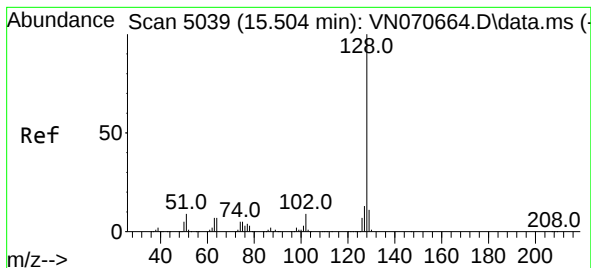
Tgt Ion: 75 Resp: 282592
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.548 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.005 min
Lab File: VN070808.D
Acq: 27 Jan 2022 16:05

Tgt Ion:180 Resp: 1015
Ion Ratio Lower Upper
180 100
182 41.2 48.3 144.9#
145 9.1 14.5 43.5#





#95

Naphthalene

Concen: 5.074 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. 0.000 min

Lab File: VN070808.D

Acq: 27 Jan 2022 16:05

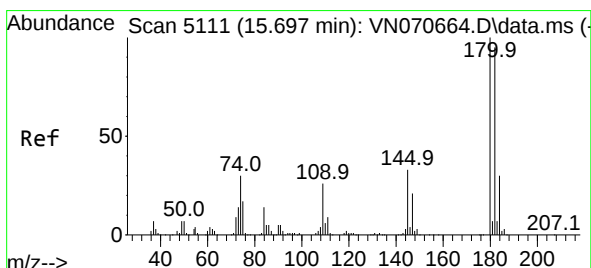
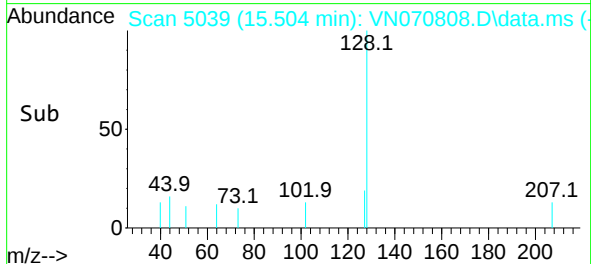
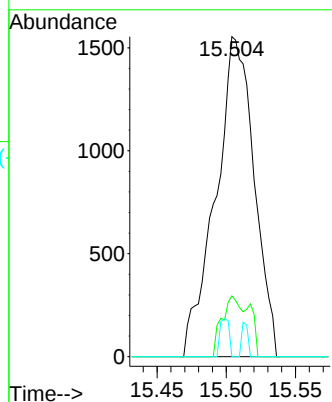
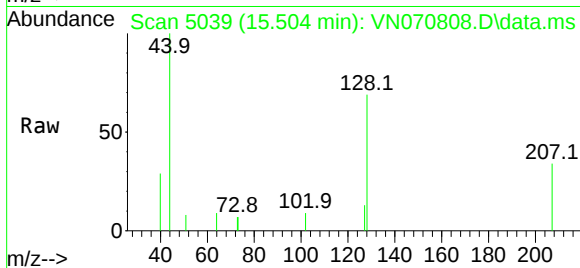
Instrument :

MSVOA_N

ClientSampleId :

MW-4

Tgt Ion:128	Resp:	3002
Ion Ratio	Lower	Upper
128	100	
127	9.7	10.5 15.7#
129	2.8	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.340 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. 0.003 min

Lab File: VN070808.D

Acq: 27 Jan 2022 16:05

Tgt Ion:180	Resp:	975
Ion Ratio	Lower	Upper
180	100	
182	92.6	47.4 142.2
145	23.7	15.0 45.1

