

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122221\
 Data File : VN070297.D
 Acq On : 22 Dec 2021 18:35
 Operator : JC/MD
 Sample : M5115-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Dec 23 04:38:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

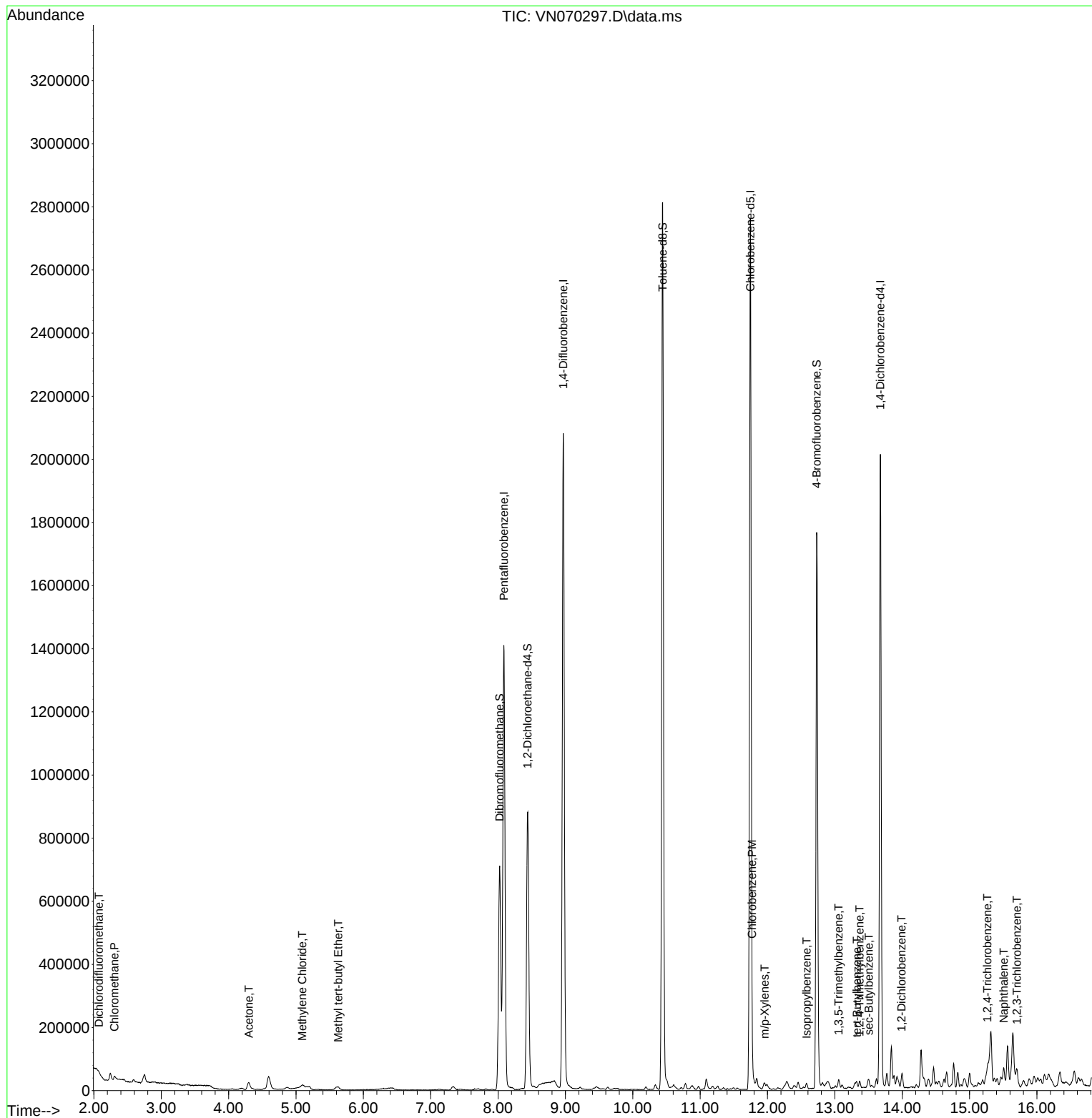
Internal Standards						
1) Pentafluorobenzene	8.086	168	1044874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1773234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1547892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	526259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	764709	47.401	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.800%		
35) Dibromofluoromethane	8.024	113	517574	46.598	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.200%		
50) Toluene-d8	10.443	98	1919624	43.042	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	86.080%		
62) 4-Bromofluorobenzene	12.731	95	624419	38.646	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	77.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	2519	0.207	ug/l	92
3) Chloromethane	2.303	50	5736	0.376	ug/l	95
16) Acetone	4.299	43	39740	4.095	ug/l	97
19) Methyl tert-butyl Ether	5.626	73	11833	0.306	ug/l	96
20) Methylene Chloride	5.093	84	4532	0.351	ug/l #	79
65) Chlorobenzene	11.771	112	6350	0.202	ug/l	89
68) m/p-Xylenes	11.958	106	6579	0.317	ug/l	90
73) Isopropylbenzene	12.581	105	11039	0.236	ug/l	98
80) 1,3,5-Trimethylbenzene	13.055	105	8365	0.222	ug/l	95
83) tert-Butylbenzene	13.326	119	8821	0.264	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	12073	0.336	ug/l	97
85) sec-Butylbenzene	13.503	105	16726	0.370	ug/l	82
91) 1,2-Dichlorobenzene	13.989	146	7247	0.412	ug/l	94
93) 1,2,4-Trichlorobenzene	15.263	180	9632	3.929	ug/l #	88
95) Naphthalene	15.507	128	52835	5.876	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.702	180	13120	3.919	ug/l #	80

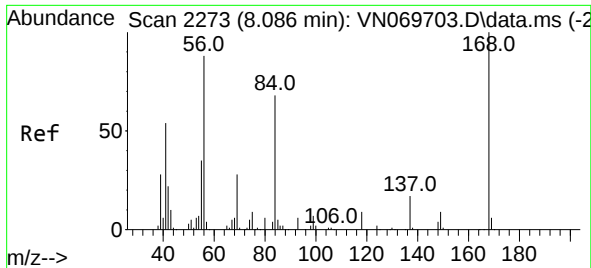
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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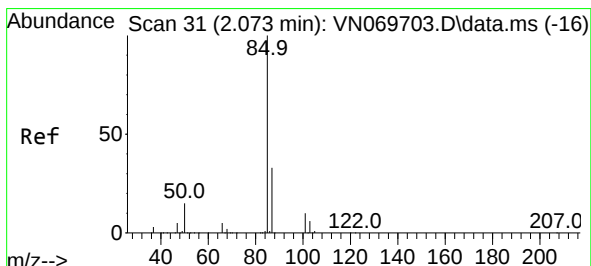
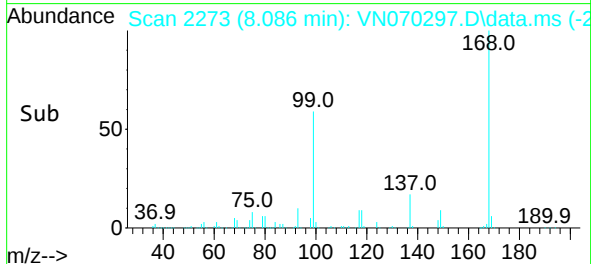
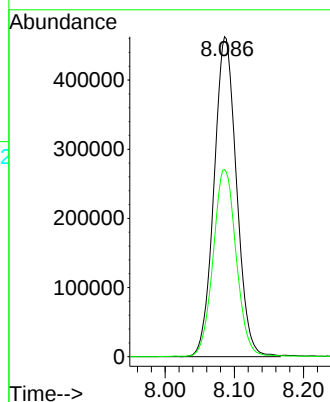
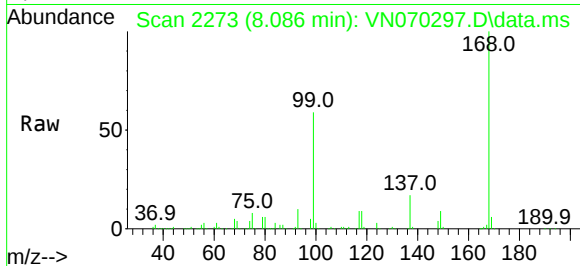




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

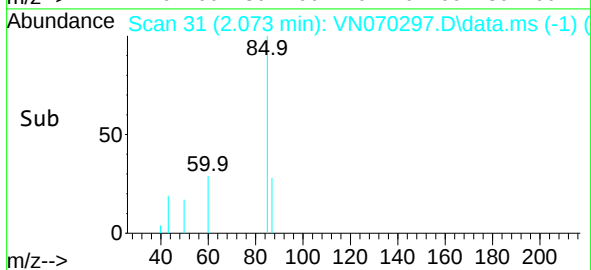
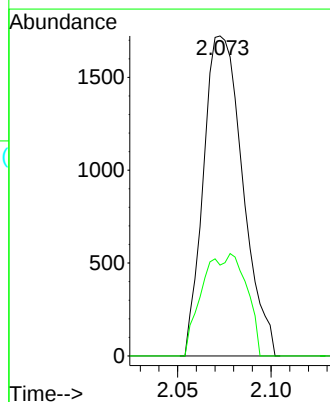
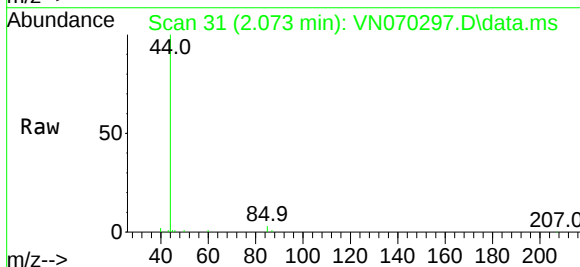
Instrument :
MSVOA_N
ClientSampleId :
MW-5

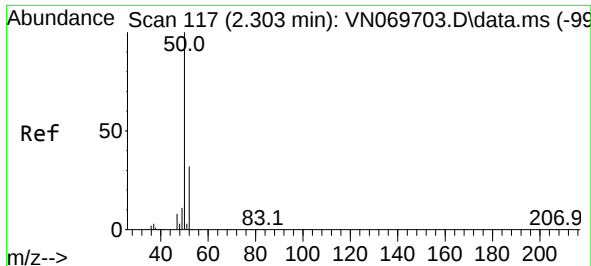
Tgt Ion:168 Resp: 1044874
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.207 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion: 85 Resp: 2519
Ion Ratio Lower Upper
85 100
87 28.4 16.3 48.9

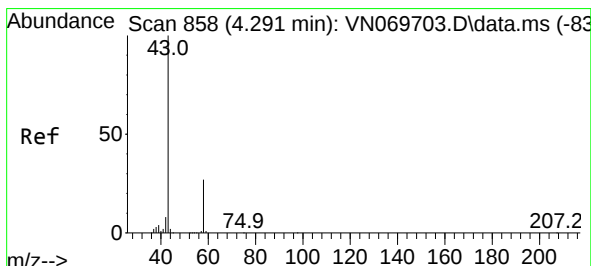
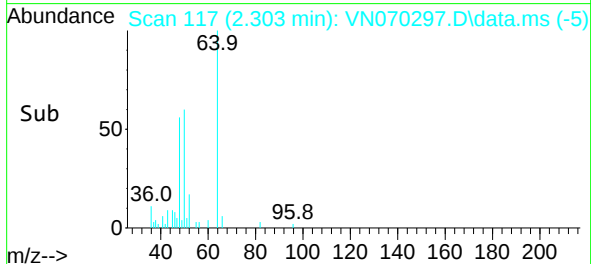
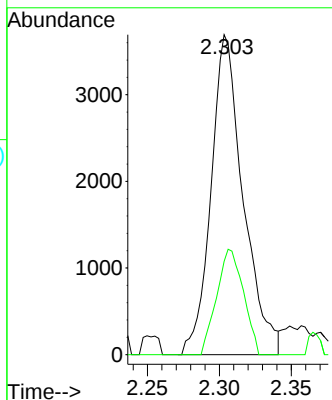
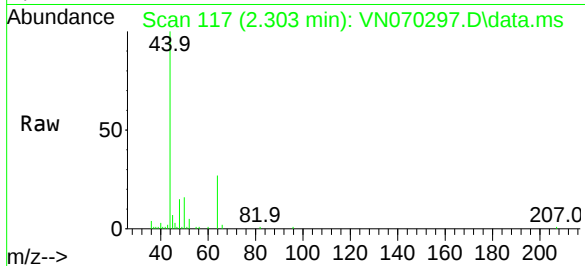




#3
Chloromethane
Concen: 0.376 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

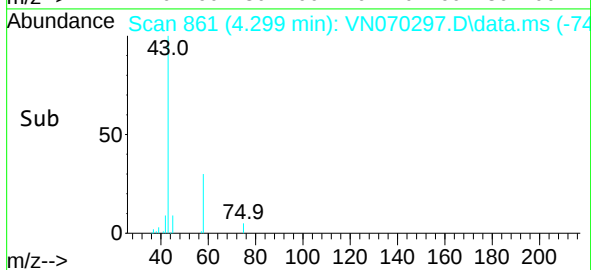
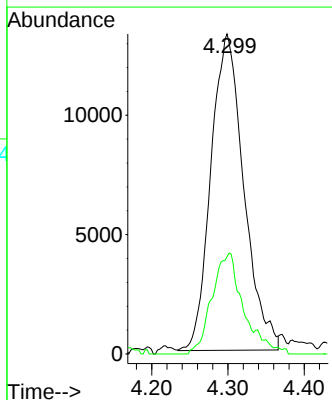
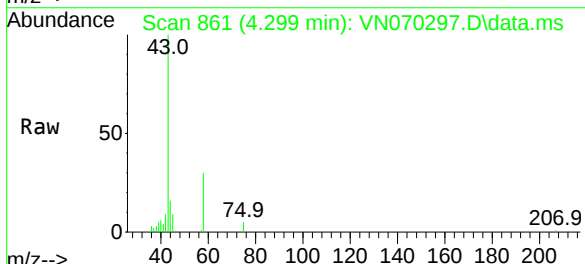
Instrument :
MSVOA_N
ClientSampleId :
MW-5

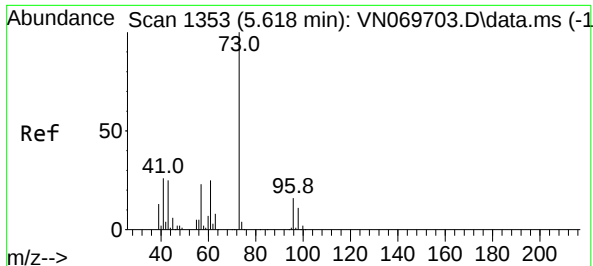
Tgt Ion: 50 Resp: 5736
Ion Ratio Lower Upper
50 100
52 29.1 25.4 38.0



#16
Acetone
Concen: 4.095 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion: 43 Resp: 39740
Ion Ratio Lower Upper
43 100
58 30.8 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.306 ug/l

RT: 5.626 min Scan# 11353

Delta R.T. 0.008 min

Lab File: VN070297.D

Acq: 22 Dec 2021 18:35

Instrument :

MSVOA_N

ClientSampleId :

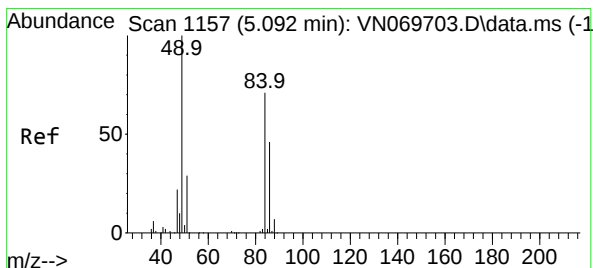
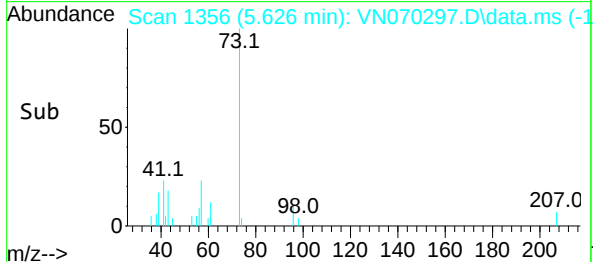
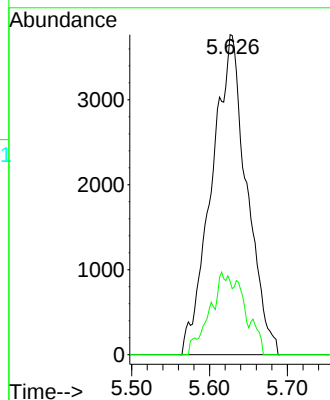
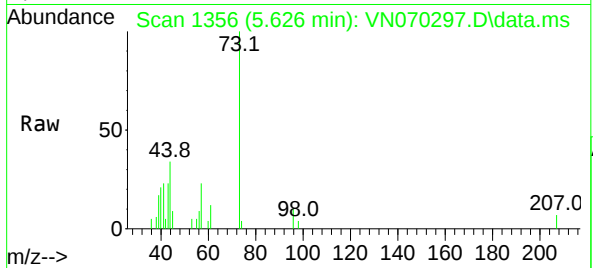
MW-5

Tgt Ion: 73 Resp: 11833

Ion Ratio Lower Upper

73 100

57 22.9 16.8 25.2



#20

Methylene Chloride

Concen: 0.351 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. 0.000 min

Lab File: VN070297.D

Acq: 22 Dec 2021 18:35

Tgt Ion: 84 Resp: 4532

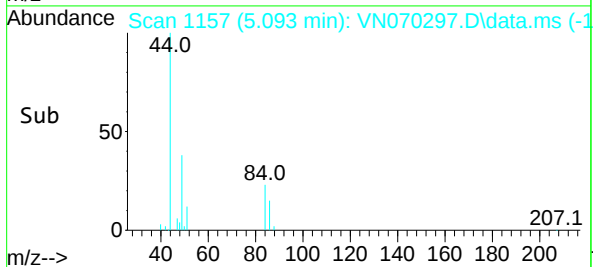
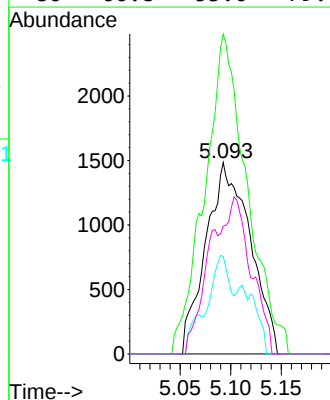
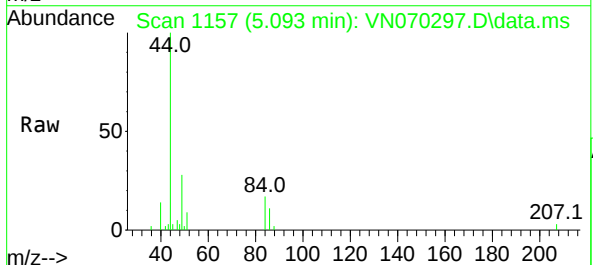
Ion Ratio Lower Upper

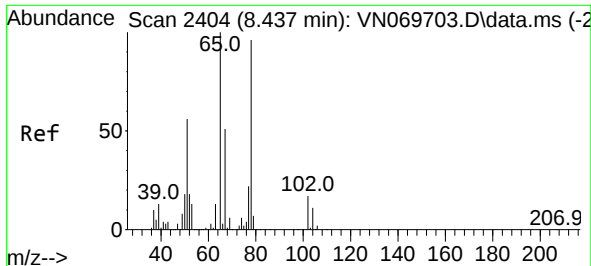
84 100

49 152.2 93.5 140.3#

51 51.0 29.4 44.2#

86 66.8 53.0 79.4





#33

1,2-Dichloroethane-d4

Concen: 47.401 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070297.D

Acq: 22 Dec 2021 18:35

Instrument :

MSVOA_N

ClientSampleId :

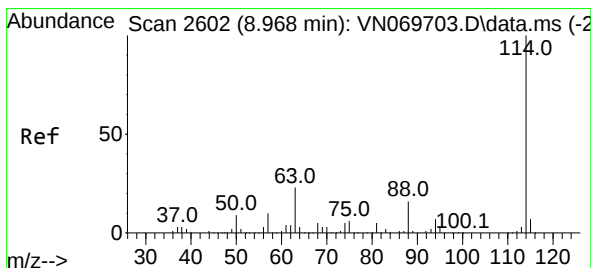
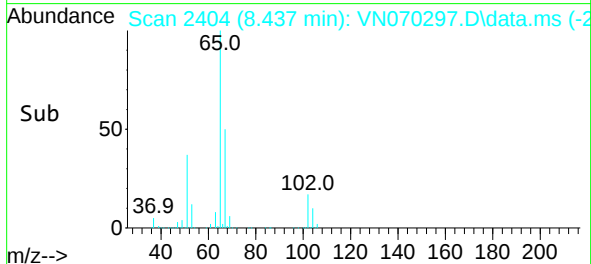
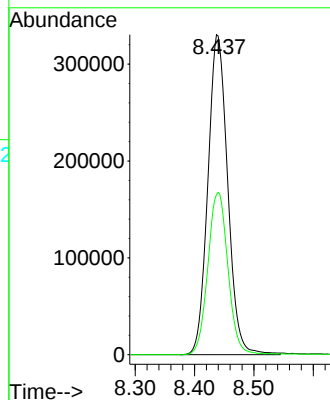
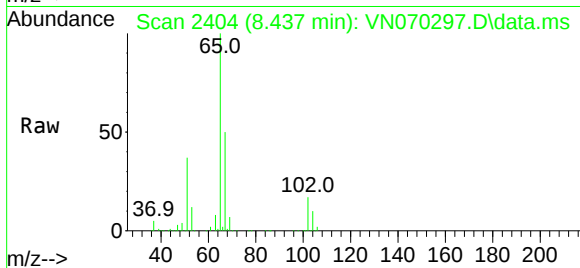
MW-5

Tgt Ion: 65 Resp: 764709

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070297.D

Acq: 22 Dec 2021 18:35

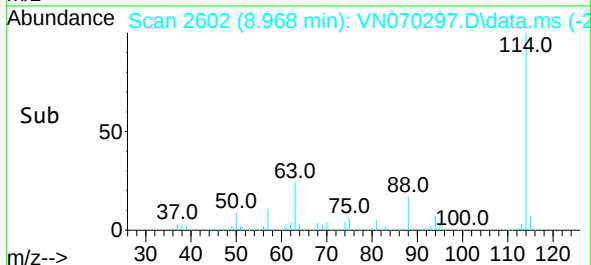
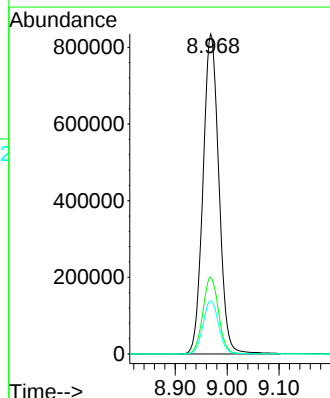
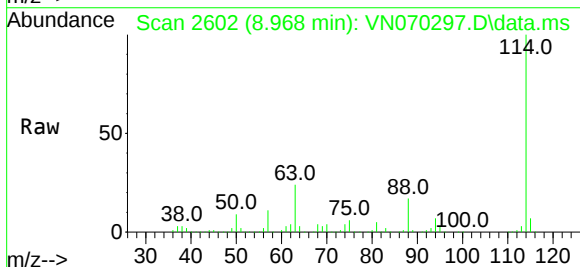
Tgt Ion: 114 Resp: 1773234

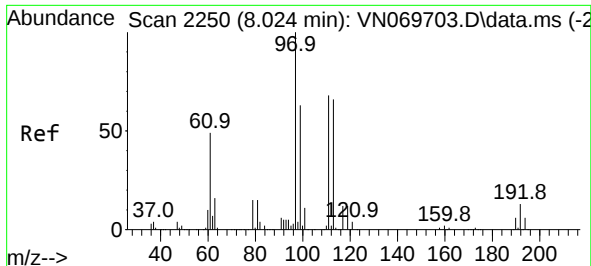
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

88 16.6 0.0 27.4

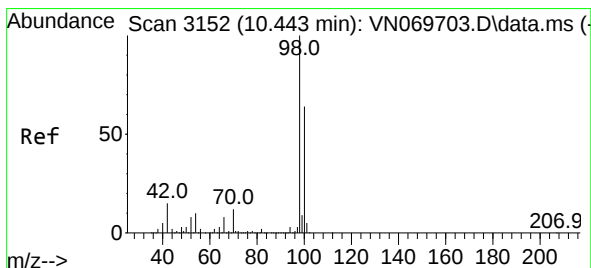
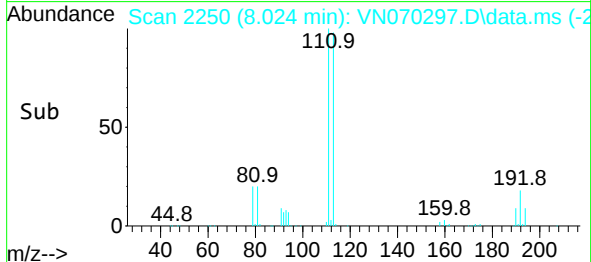
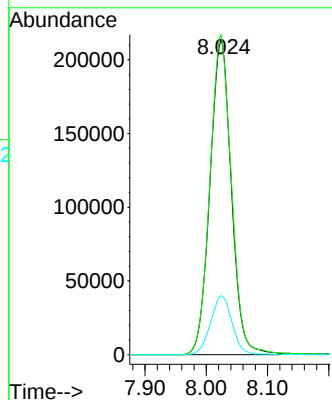
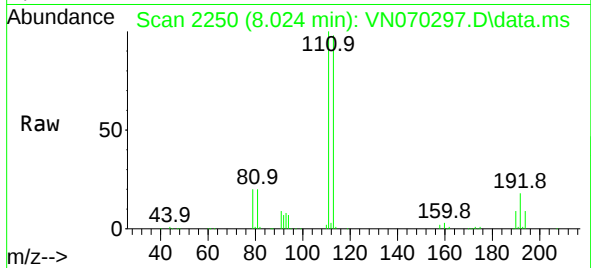




#35
 Dibromofluoromethane
 Concen: 46.598 ug/l
 RT: 8.024 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN070297.D
 Acq: 22 Dec 2021 18:35

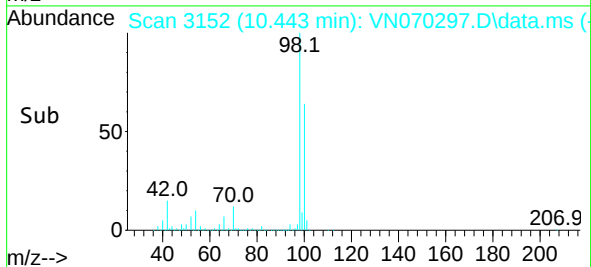
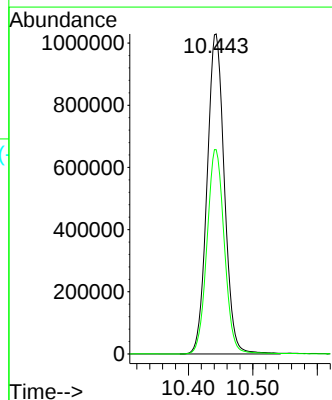
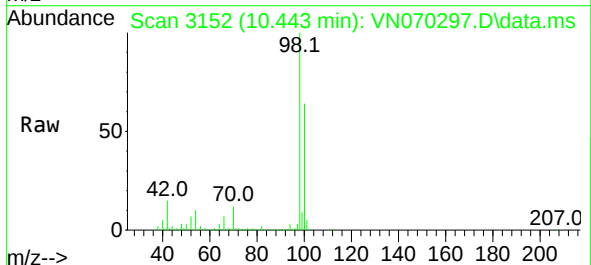
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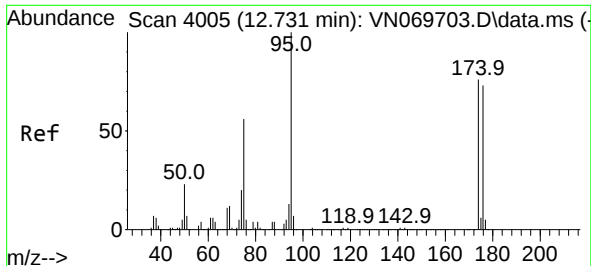
Tgt Ion:113 Resp: 517574
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.2
 192 18.7 16.9 25.3



#50
 Toluene-d8
 Concen: 43.042 ug/l
 RT: 10.443 min Scan# 3152
 Delta R.T. 0.000 min
 Lab File: VN070297.D
 Acq: 22 Dec 2021 18:35

Tgt Ion: 98 Resp: 1919624
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.4 75.6

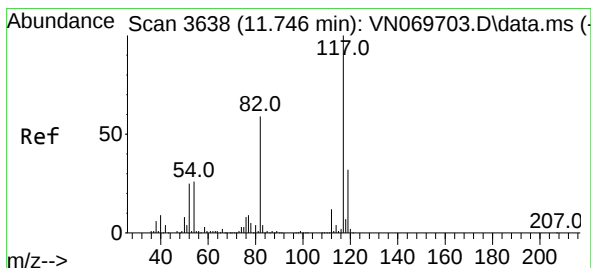
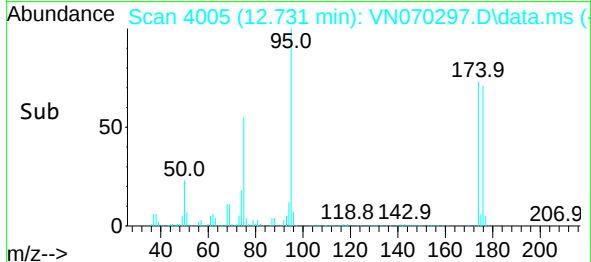
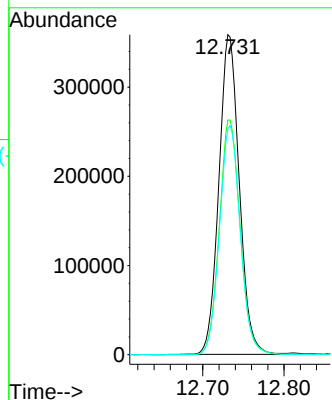
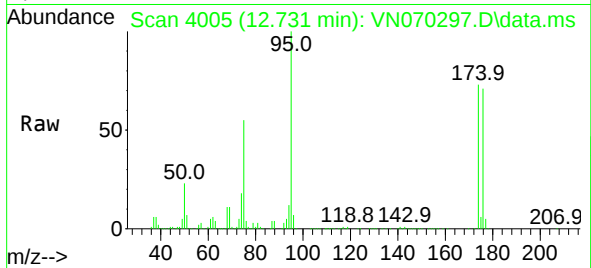




#62
4-Bromofluorobenzene
Concen: 38.646 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

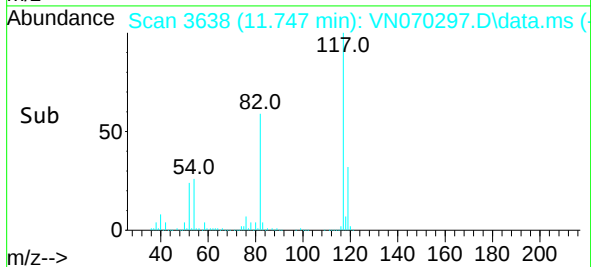
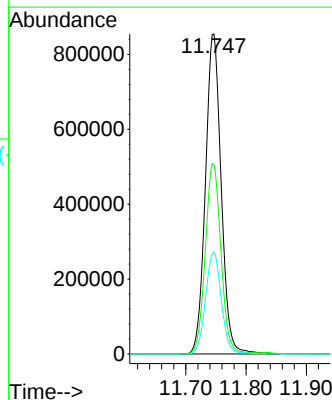
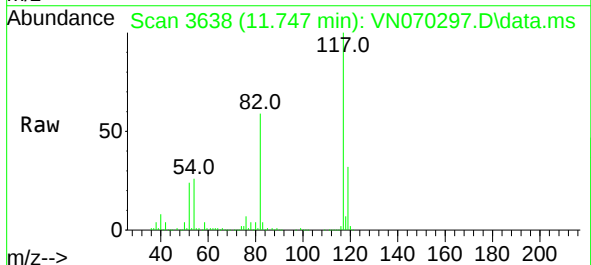
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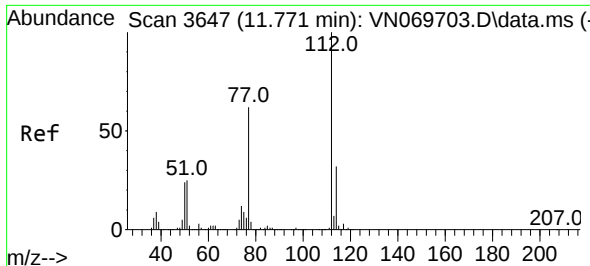
Tgt Ion: 95 Resp: 624419
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion: 117 Resp: 1547892
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.9 25.4 38.2

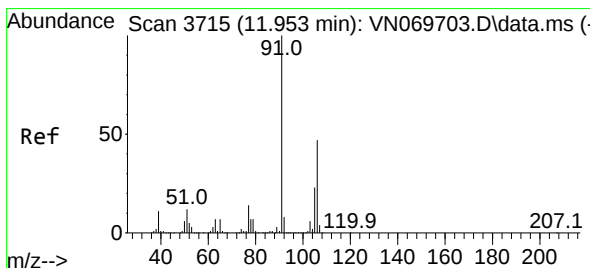
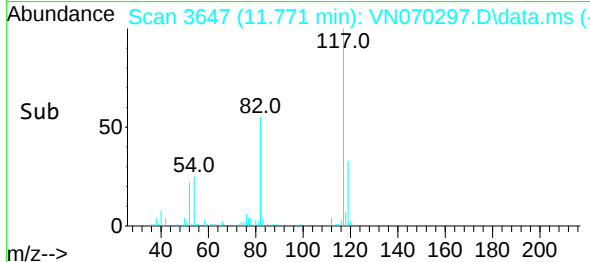
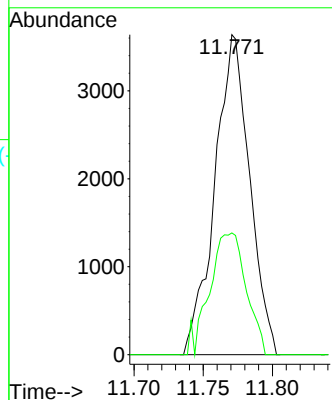
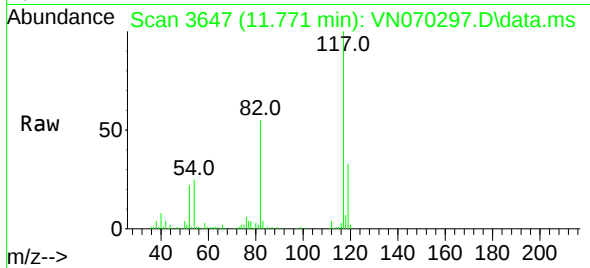




#65
Chlorobenzene
Concen: 0.202 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

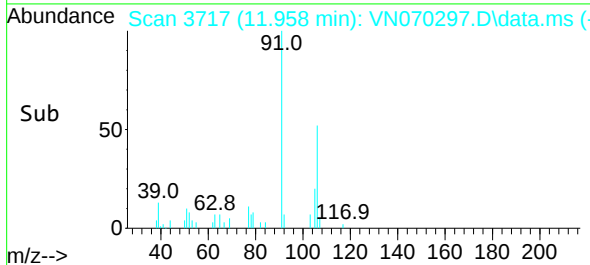
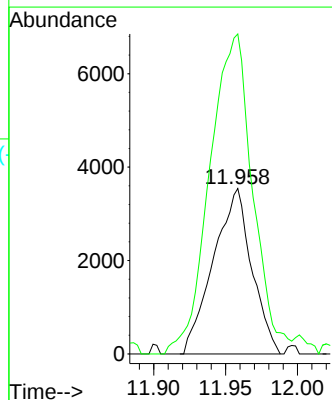
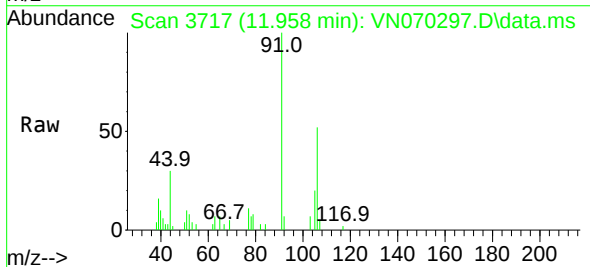
Instrument :
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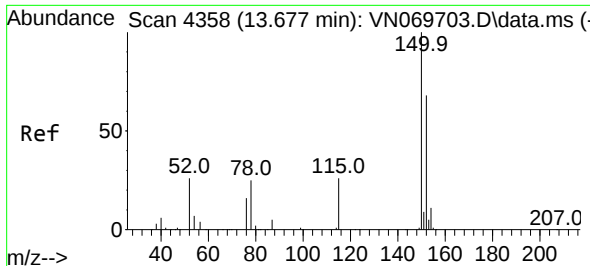
Tgt Ion:112 Resp: 6350
Ion Ratio Lower Upper
112 100
114 38.0 25.4 38.0



#68
m/p-Xylenes
Concen: 0.317 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.005 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion:106 Resp: 6579
Ion Ratio Lower Upper
106 100
91 216.5 160.6 240.8

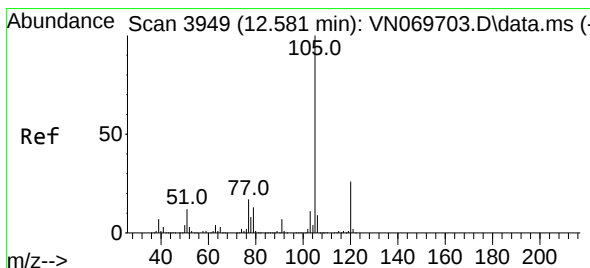
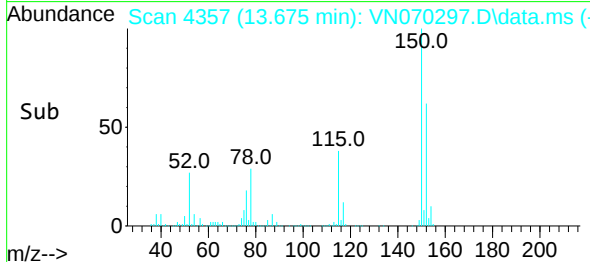
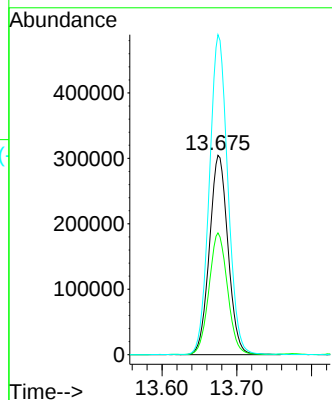
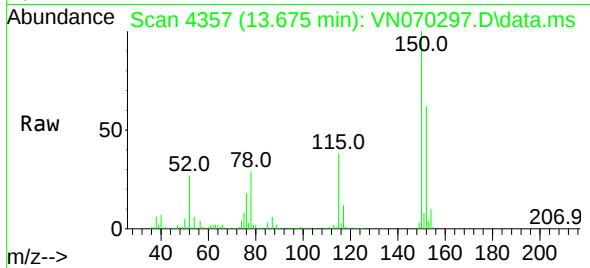




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

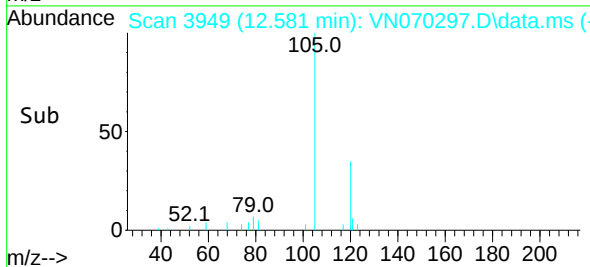
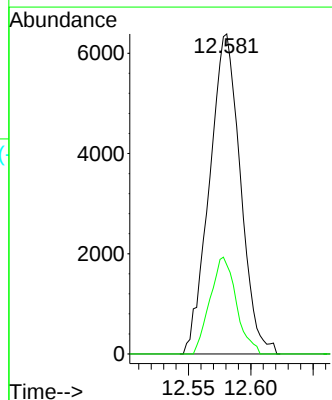
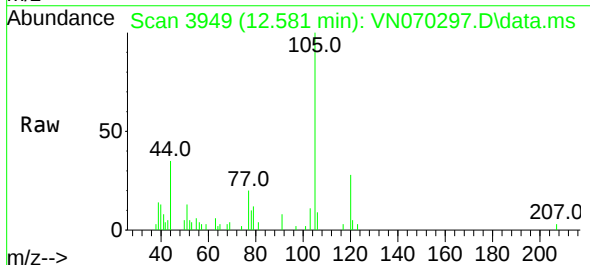
Instrument :
MSVOA_N
ClientSampleId :
MW-5

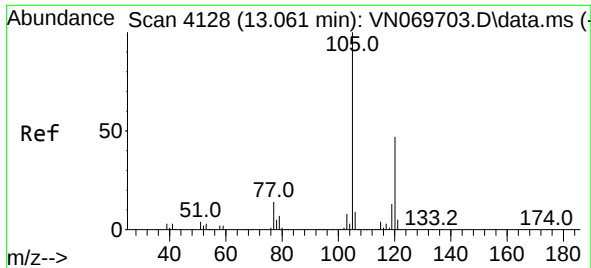
Tgt Ion:152 Resp: 526259
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 159.0 0.0 344.4



#73
Isopropylbenzene
Concen: 0.236 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion:105 Resp: 11039
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1

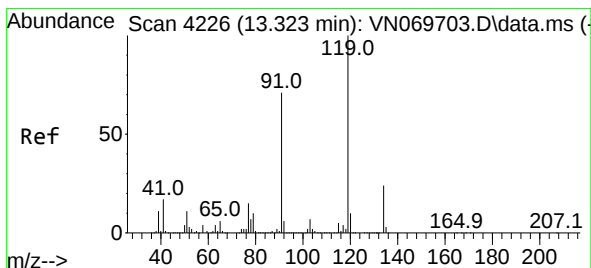
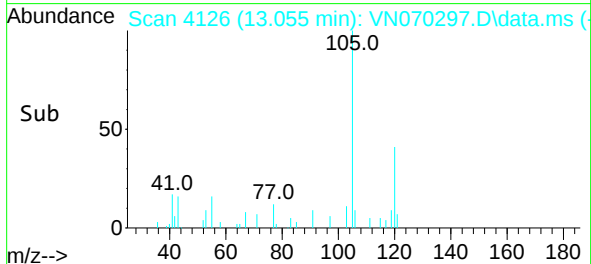
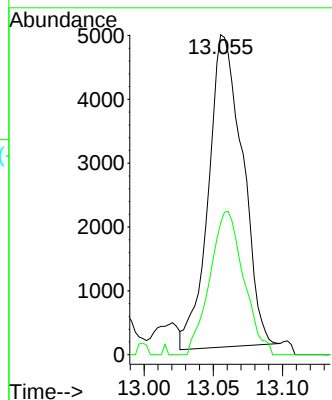
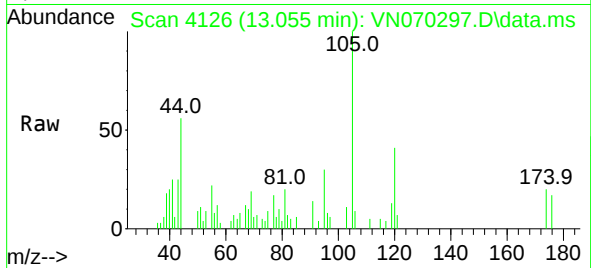




#80
1,3,5-Trimethylbenzene
Concen: 0.222 ug/l
RT: 13.055 min Scan# 4128
Delta R.T. -0.005 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

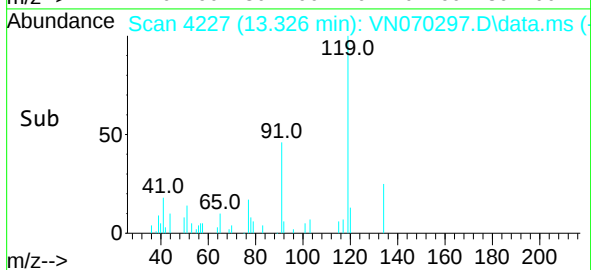
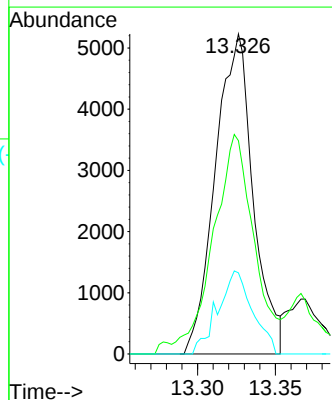
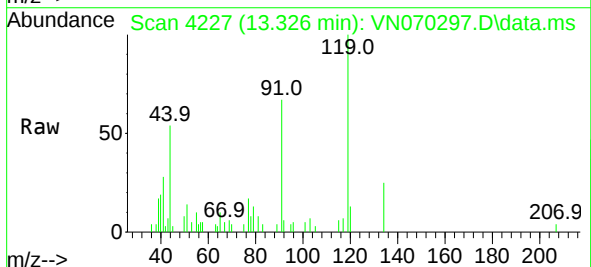
Instrument :
MSVOA_N
ClientSampleId :
MW-5

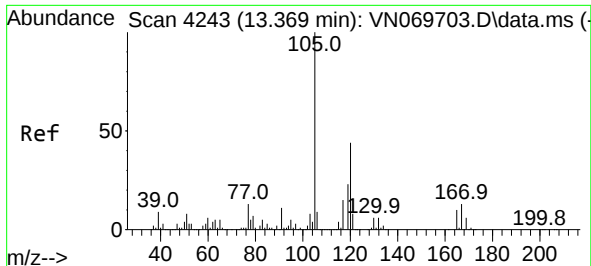
Tgt Ion:105 Resp: 8365
Ion Ratio Lower Upper
105 100
120 45.6 24.6 73.6



#83
tert-Butylbenzene
Concen: 0.264 ug/l
RT: 13.326 min Scan# 4227
Delta R.T. 0.003 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion:119 Resp: 8821
Ion Ratio Lower Upper
119 100
91 68.4 31.5 94.5
134 23.8 12.4 37.4

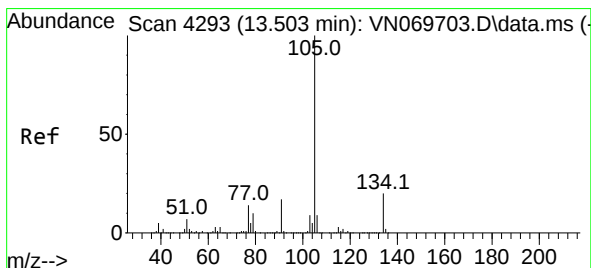
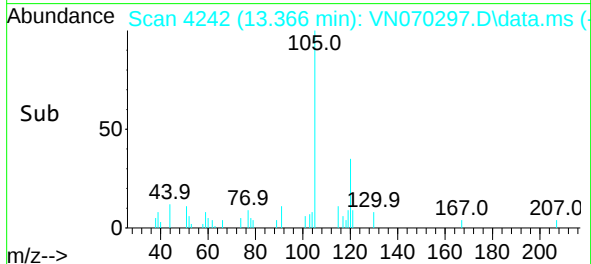
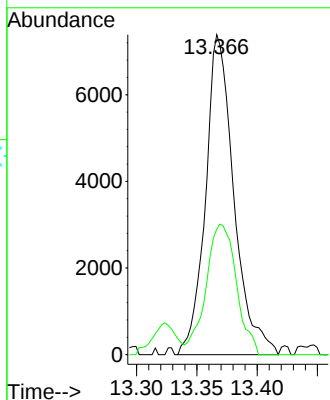
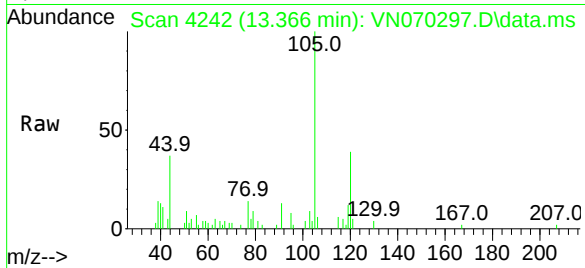




#84
1,2,4-Trimethylbenzene
Concen: 0.336 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

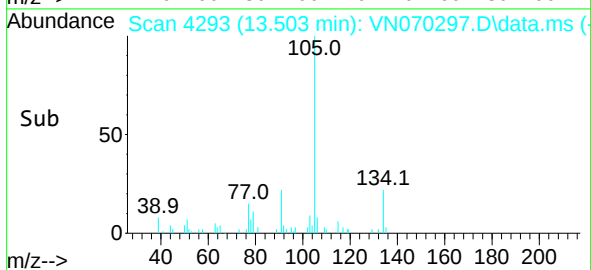
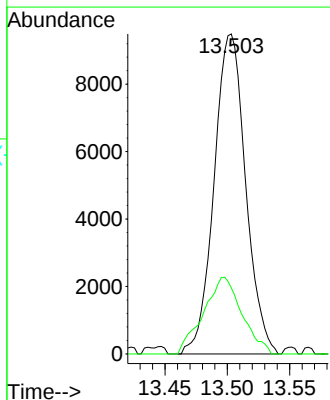
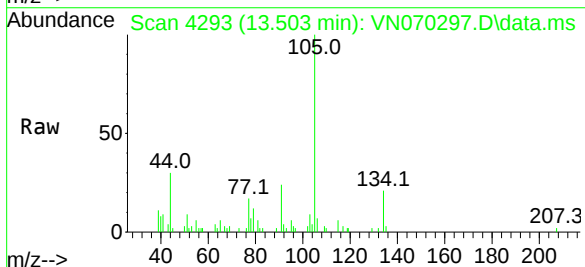
Instrument :
MSVOA_N
ClientSampleId :
MW-5

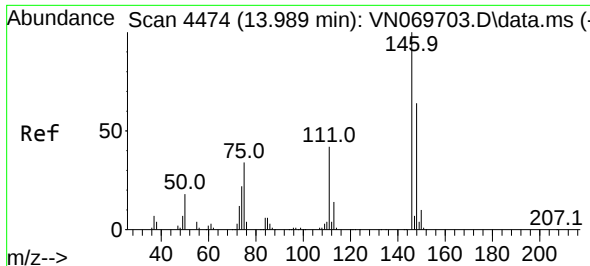
Tgt Ion:105 Resp: 12073
Ion Ratio Lower Upper
105 100
120 43.7 22.8 68.4



#85
sec-Butylbenzene
Concen: 0.370 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion:105 Resp: 16726
Ion Ratio Lower Upper
105 100
134 29.2 10.4 31.1

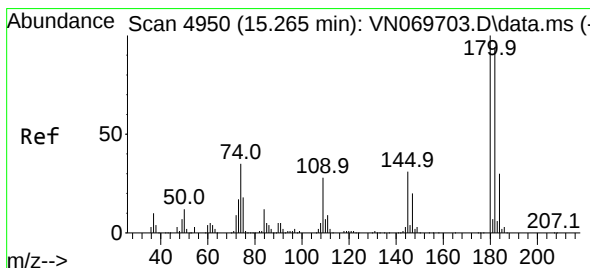
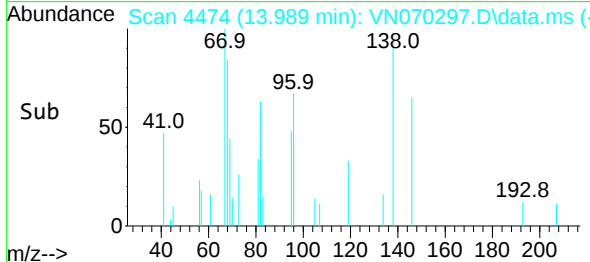
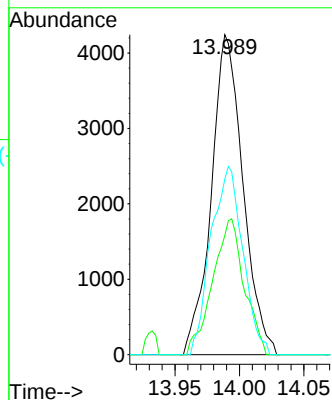
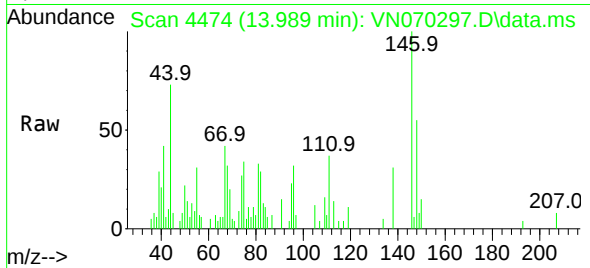




#91
1,2-Dichlorobenzene
Concen: 0.412 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

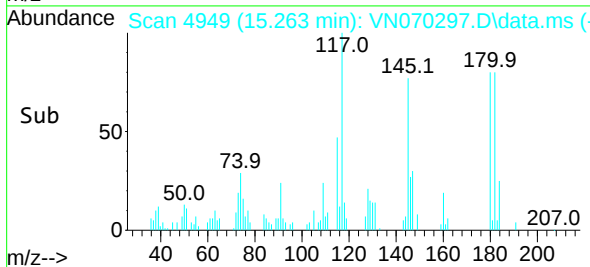
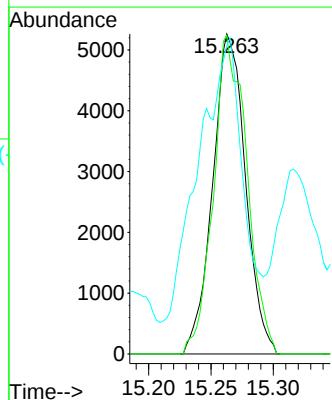
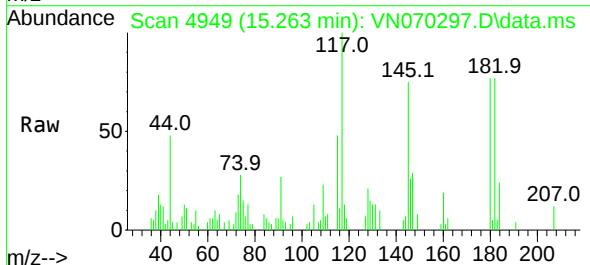
Instrument :
MSVOA_N
ClientSampleId :
MW-5

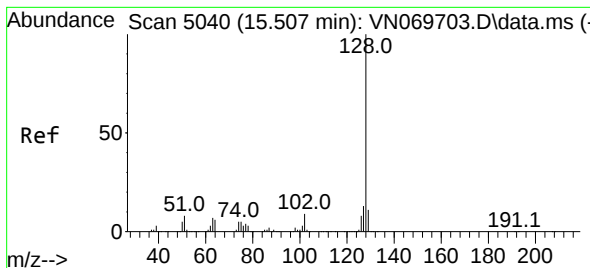
Tgt Ion:	146	Resp:	7247
Ion Ratio	Lower	Upper	
146	100		
111	42.3	19.1	57.3
148	59.2	32.1	96.3



#93
1,2,4-Trichlorobenzene
Concen: 3.929 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN070297.D
Acq: 22 Dec 2021 18:35

Tgt Ion:	180	Resp:	9632
Ion Ratio	Lower	Upper	
180	100		
182	101.5	48.3	144.9
145	48.0	14.5	43.5#





#95

Naphthalene

Concen: 5.876 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070297.D

Acq: 22 Dec 2021 18:35

Instrument :

MSVOA_N

ClientSampleId :

MW-5

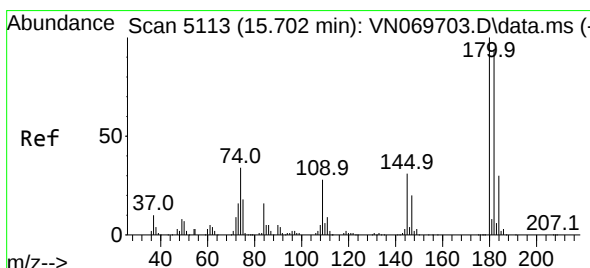
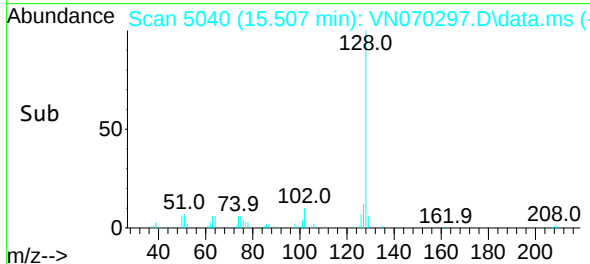
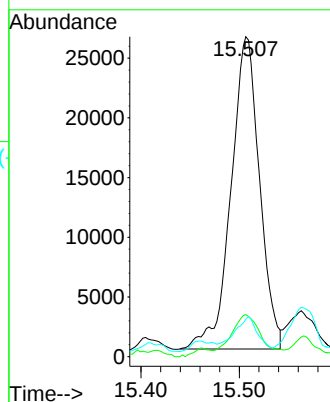
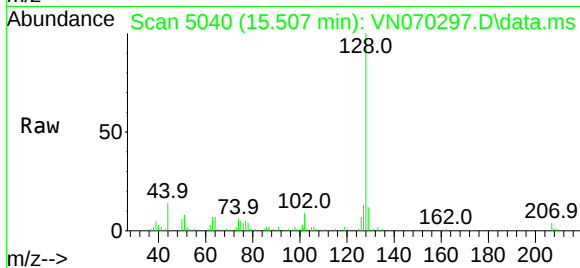
Tgt Ion:128 Resp: 52835

Ion Ratio Lower Upper

128 100

127 11.9 10.5 15.7

129 7.4 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.919 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN070297.D

Acq: 22 Dec 2021 18:35

Tgt Ion:180 Resp: 13120

Ion Ratio Lower Upper

180 100

182 86.3 47.4 142.2

145 0.0 15.0 45.1#

