

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012622\
 Data File : VN070793.D
 Acq On : 26 Jan 2022 16:39
 Operator : JC/MD
 Sample : N1267-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BASMENT-FLOORS

Quant Time: Jan 27 03:33:24 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)

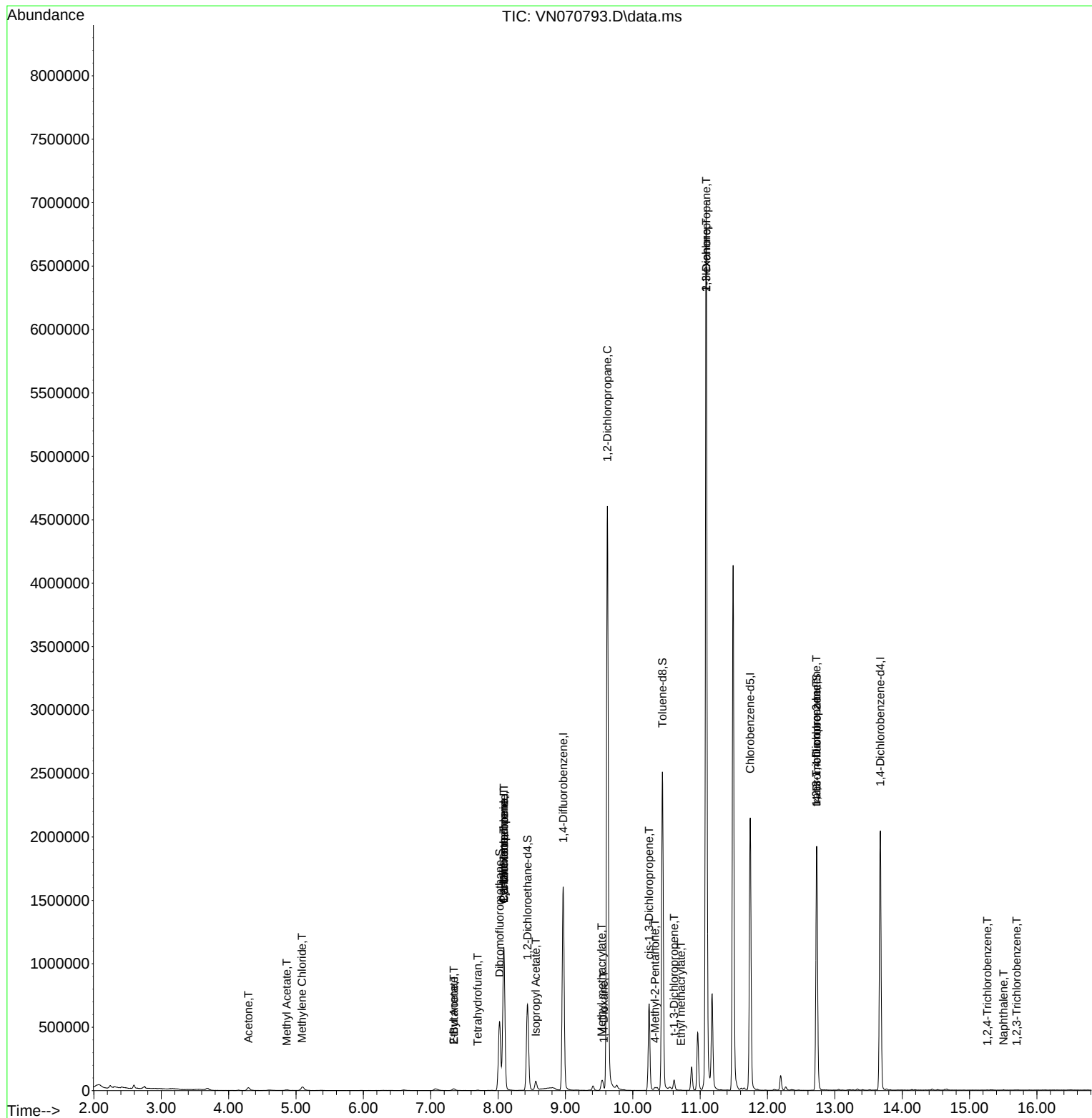
Internal Standards						
1) Pentafluorobenzene	8.086	168	844277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1355218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1224678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	571201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	593251	49.030	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.060%		
35) Dibromofluoromethane	8.021	113	403652	48.017	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.040%		
50) Toluene-d8	10.440	98	1711525	48.329	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.660%		
62) 4-Bromofluorobenzene	12.731	95	715584	56.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.400%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	39275	4.677	ug/l	94
18) Methyl Acetate	4.862	43	10836	0.656	ug/l #	62
20) Methylene Chloride	5.090	84	9507	0.859	ug/l #	91
25) 2-Butanone	7.343	43	25763	2.438	ug/l #	86
29) Tetrahydrofuran	7.697	42	2744	0.424	ug/l #	75
30) Chloroform	8.075	83	95	Below Cal	#	18
31) Cyclohexane	8.083	56	20164	0.946	ug/l #	22
36) 1,1-Dichloropropene	8.086	75	70333	4.970	ug/l #	49
37) Ethyl Acetate	7.343	43	25763	1.371	ug/l #	68
38) Carbon Tetrachloride	8.086	117	87232	6.929	ug/l #	17
43) Isopropyl Acetate	8.560	43	89787	3.129	ug/l #	87
45) 1,2-Dichloropropane	9.622	63	5464	0.458	ug/l #	44
48) Methyl methacrylate	9.539	41	23592	1.726	ug/l #	8
49) 1,4-Dioxane	9.571	88	128	0.623	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	15896	0.868	ug/l	98
53) t-1,3-Dichloropropene	10.615	75	144	2.412	ug/l #	25
54) cis-1,3-Dichloropropene	10.242	75	114284	6.720	ug/l #	65
56) Ethyl methacrylate	10.717	69	373	2.320	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	69325	3.800	ug/l #	43
59) 2-Hexanone	11.089	43	1195360	89.858	ug/l #	49
76) 1,2,3-Trichloropropane	12.728	75	364854	24.083	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	364854	71.748	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	735	3.490	ug/l	91
95) Naphthalene	15.504	128	2497	5.025	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.700	180	764	3.287	ug/l #	50

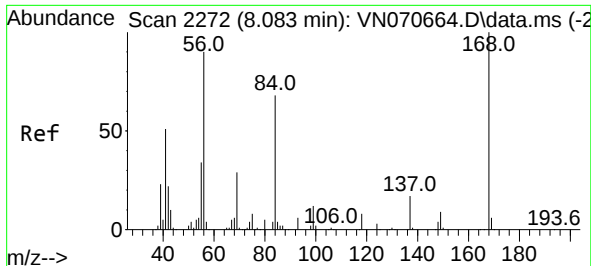
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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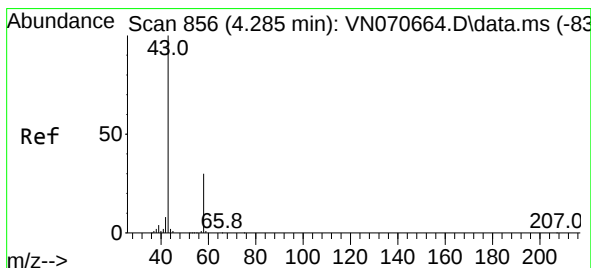
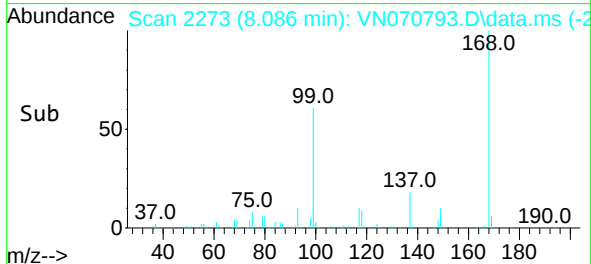
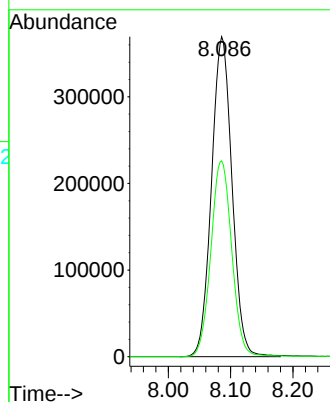
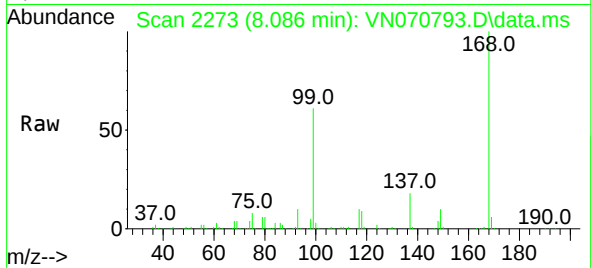




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

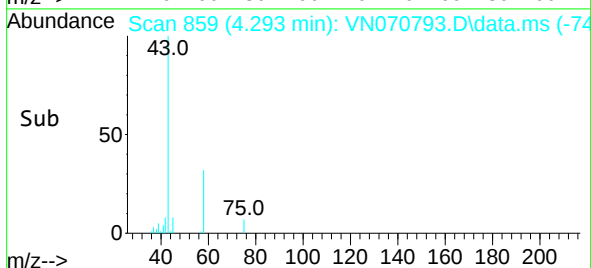
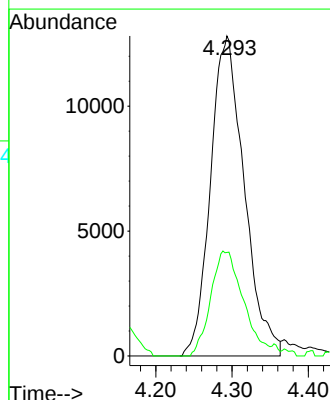
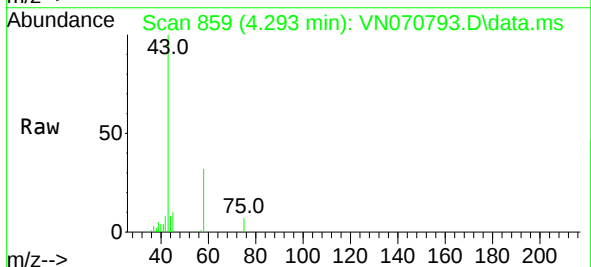
Instrument :
MSVOA_N
ClientSampleId :
BASMENT-FLOORS

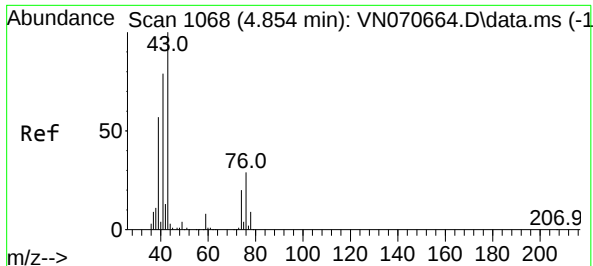
Tgt Ion:168 Resp: 844277
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#16
Acetone
Concen: 4.677 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 43 Resp: 39275
Ion Ratio Lower Upper
43 100
58 32.3 23.1 34.7





#18

Methyl Acetate

Concen: 0.656 ug/l

RT: 4.862 min Scan# 1

Delta R.T. 0.008 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

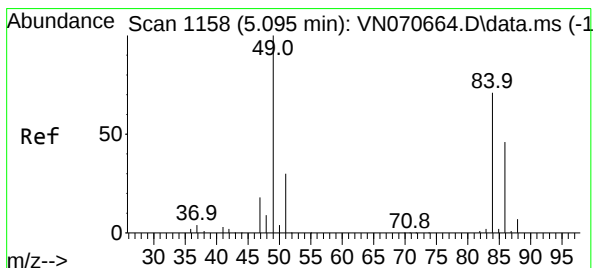
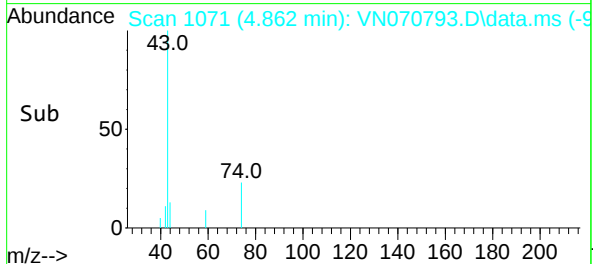
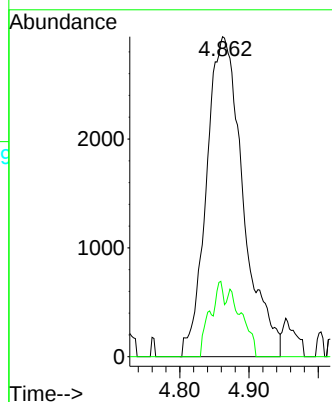
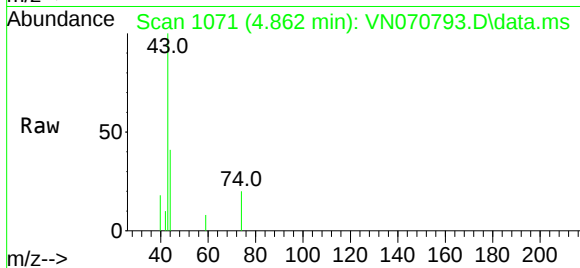
BASMENT-FLOORS

Tgt Ion: 43 Resp: 10836

Ion Ratio Lower Upper

43 100

74 5.3 19.4 29.2#



#20

Methylene Chloride

Concen: 0.859 ug/l

RT: 5.090 min Scan# 1156

Delta R.T. -0.005 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

Tgt Ion: 84 Resp: 9507

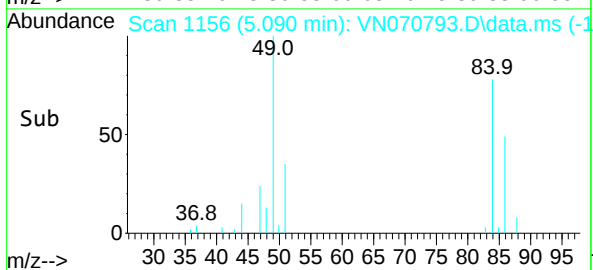
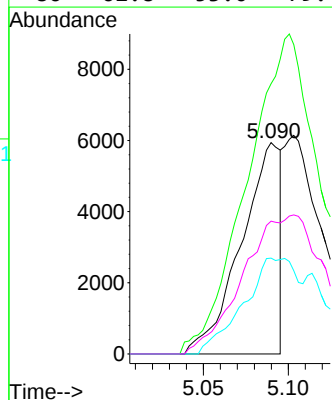
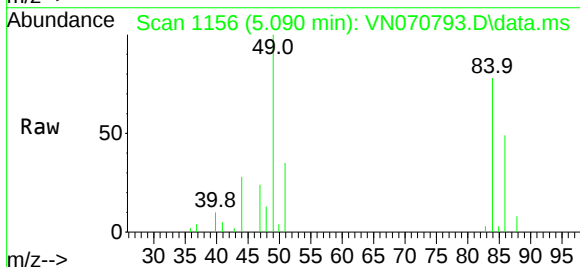
Ion Ratio Lower Upper

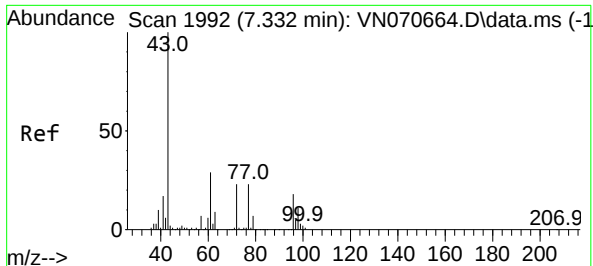
84 100

49 127.8 93.5 140.3

51 45.3 29.4 44.2#

86 62.8 53.0 79.4





#25

2-Butanone

Concen: 2.438 ug/l

RT: 7.343 min Scan# 1992

Delta R.T. 0.011 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

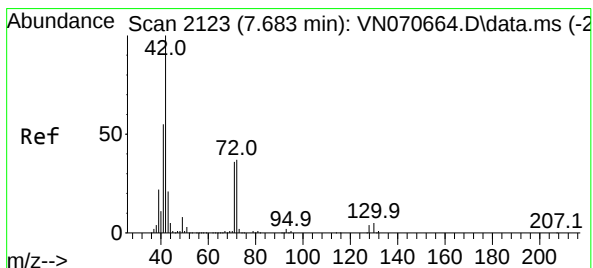
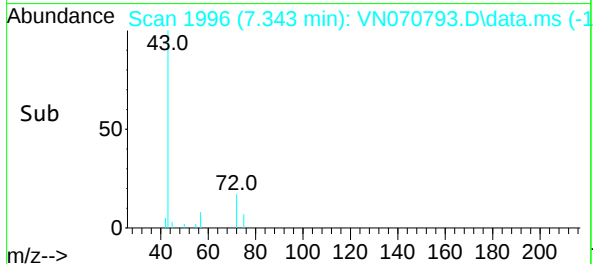
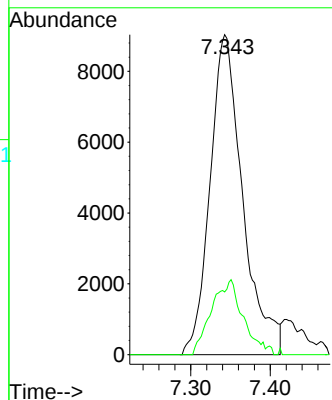
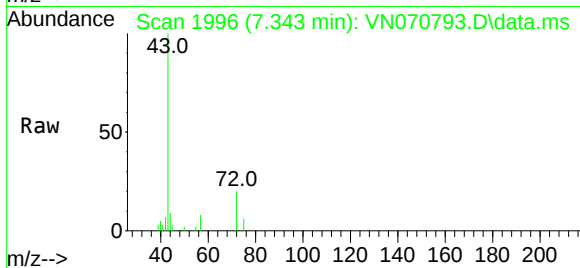
BASMENT-FLOORS

Tgt Ion: 43 Resp: 25763

Ion Ratio Lower Upper

43 100

72 19.6 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.424 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.014 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

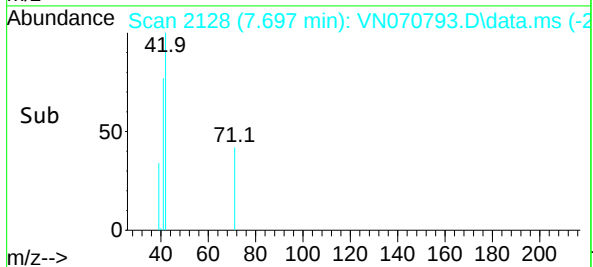
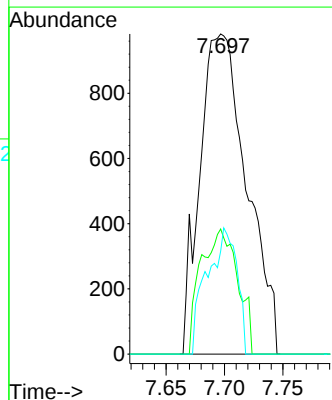
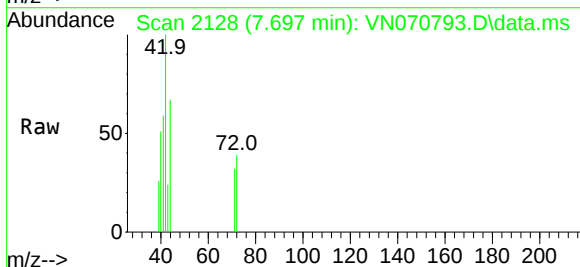
Tgt Ion: 42 Resp: 2744

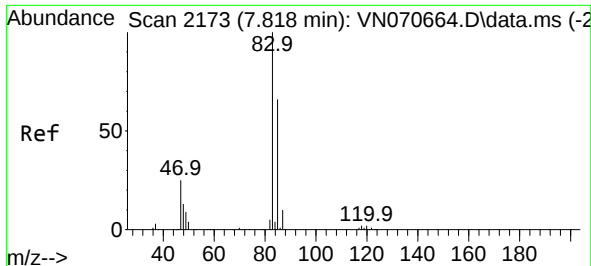
Ion Ratio Lower Upper

42 100

72 30.6 36.3 54.5#

71 25.0 34.7 52.1#

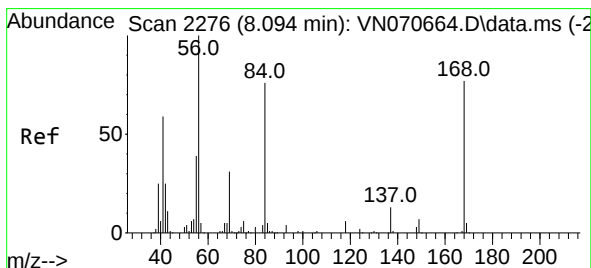
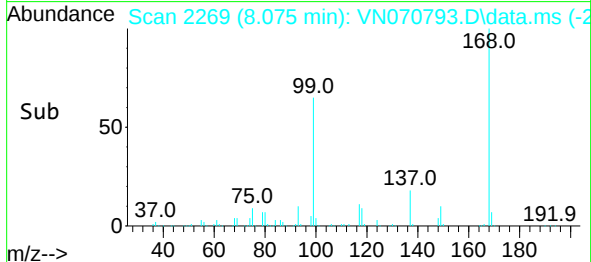
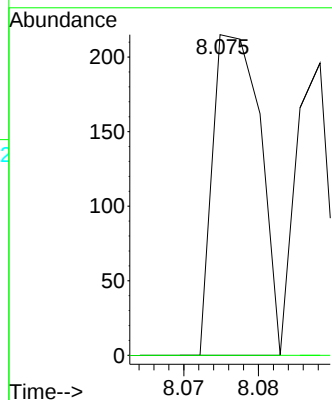
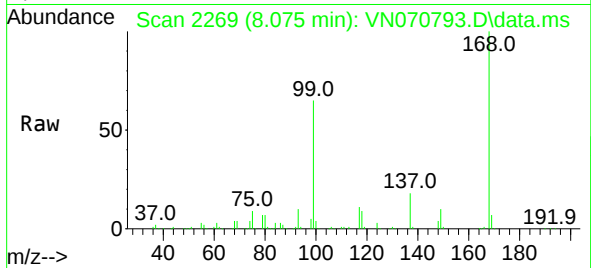




#30
Chloroform
Concen: Below Cal
RT: 8.075 min Scan# 2173
Delta R.T. 0.257 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

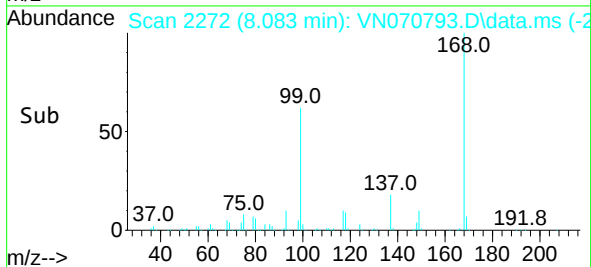
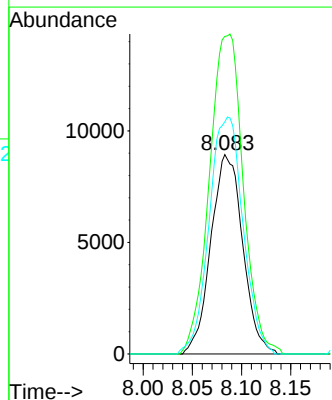
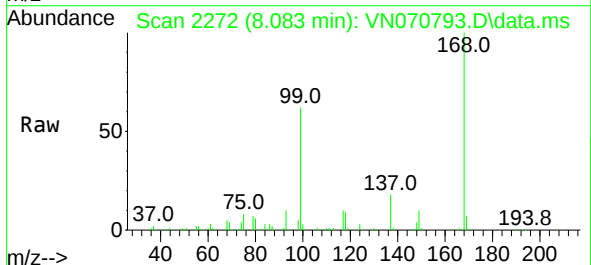
Instrument :
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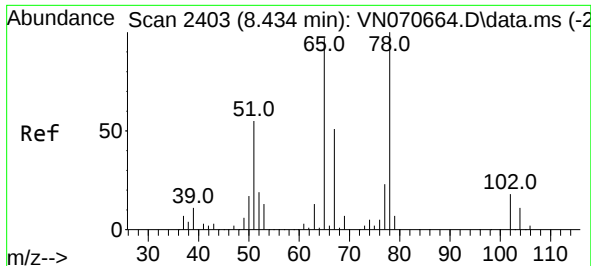
Tgt Ion: 83 Resp: 95
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.946 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 56 Resp: 20164
Ion Ratio Lower Upper
56 100
69 159.3 27.1 40.7#
84 116.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.030 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

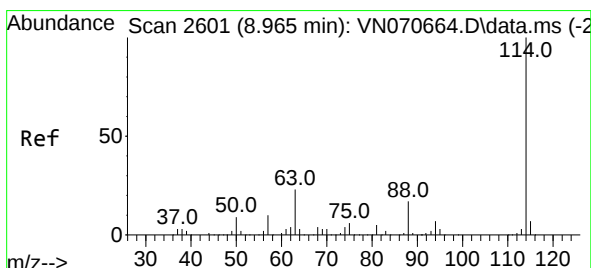
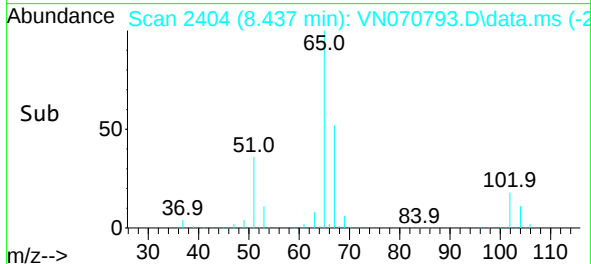
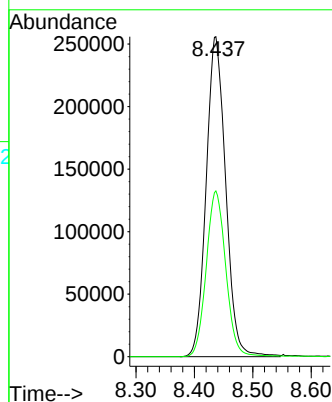
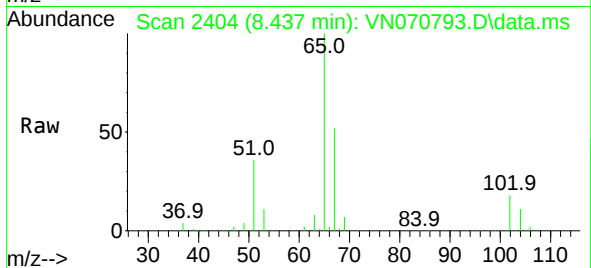
BASMENT-FLOORS

Tgt Ion: 65 Resp: 593251

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: VN070793.D

Acq: 26 Jan 2022 16:39

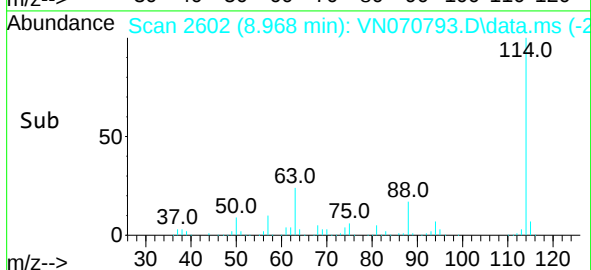
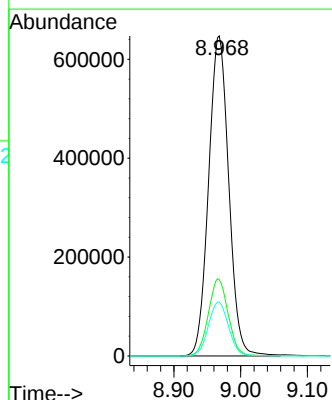
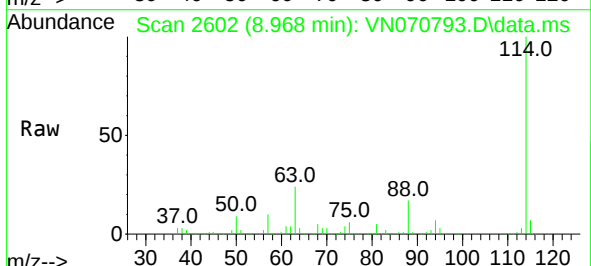
Tgt Ion: 114 Resp: 1355218

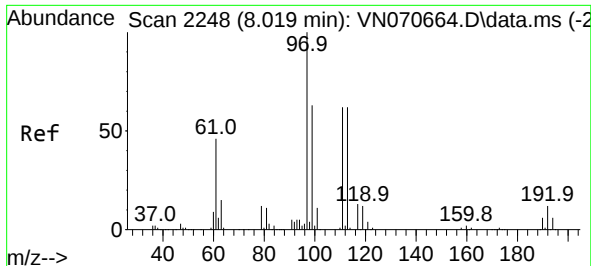
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.8 0.0 27.4

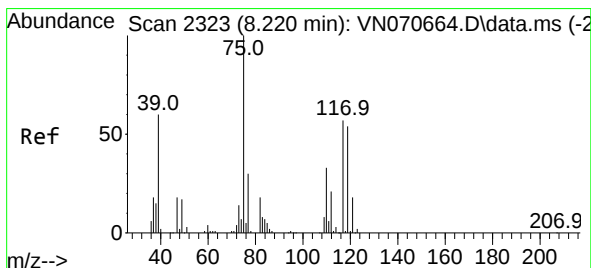
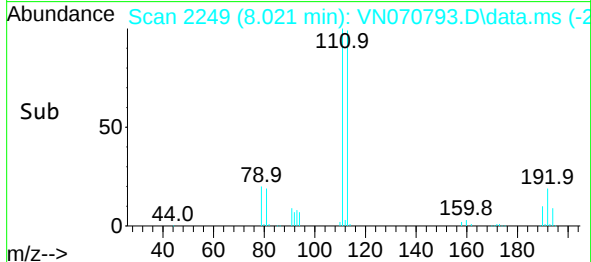
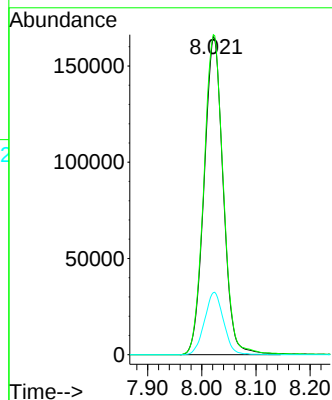
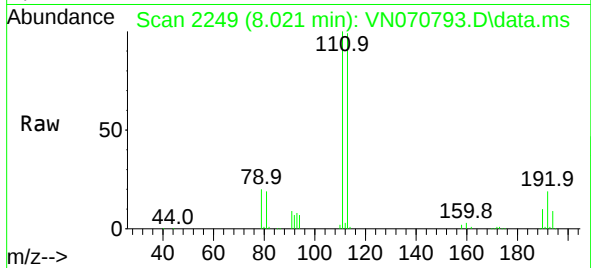




#35
Dibromofluoromethane
Concen: 48.017 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

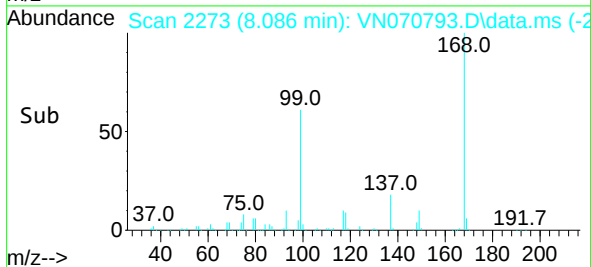
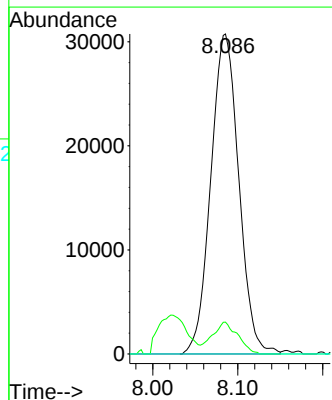
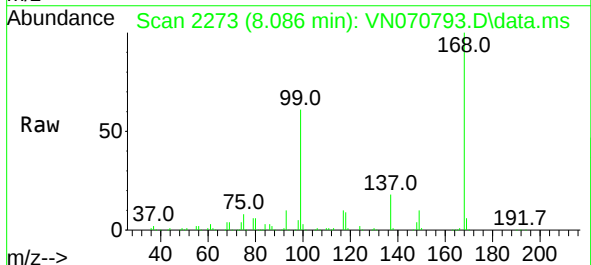
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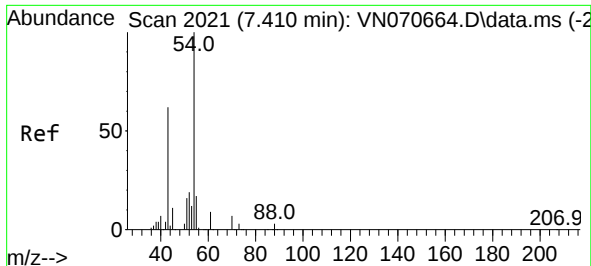
Tgt Ion:113 Resp: 403652
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.970 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 75 Resp: 70333
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.371 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.067 min

Lab File: VN070793.D

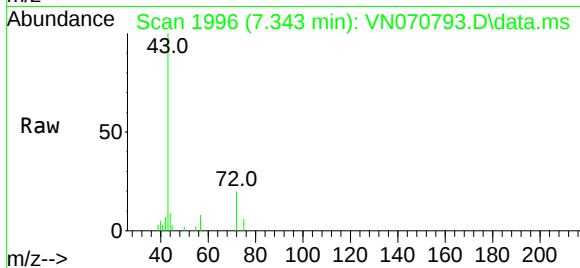
Acq: 26 Jan 2022 16:39

Instrument :

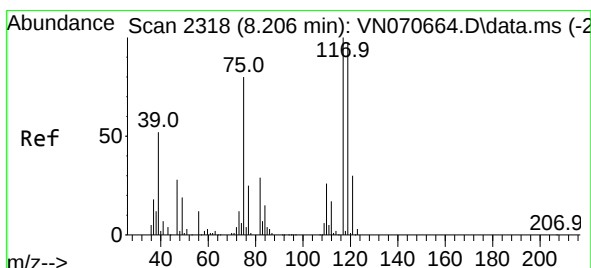
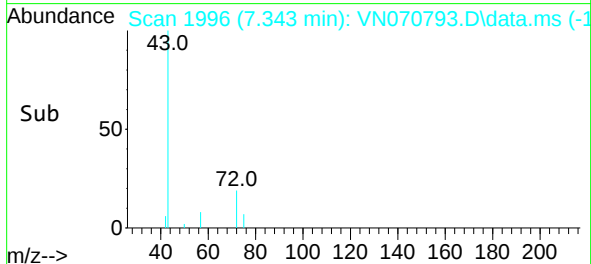
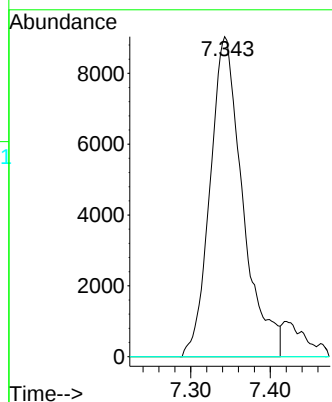
MSVOA_N

ClientSampleId :

BASMENT-FLOORS



Tgt Ion:	43	Resp:	25763
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.929 ug/l

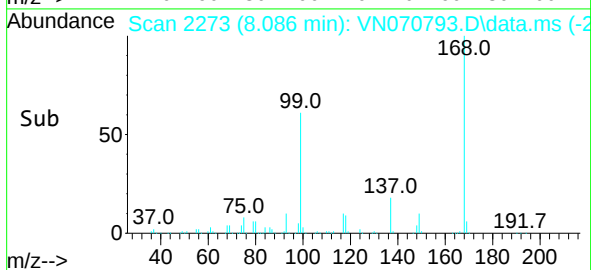
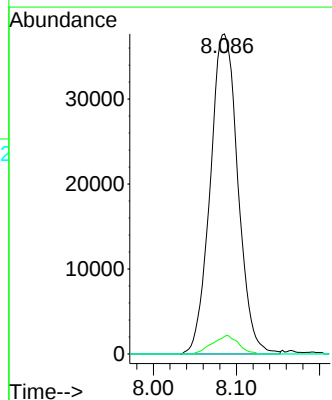
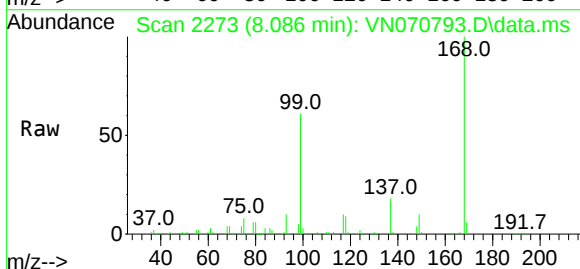
RT: 8.086 min Scan# 2273

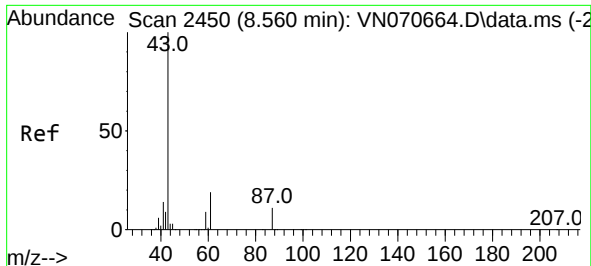
Delta R.T. -0.120 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

Tgt Ion:	117	Resp:	87232
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.1	114.1#
121	0.0	24.2	36.2#

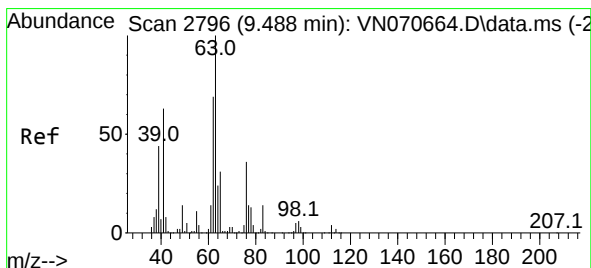
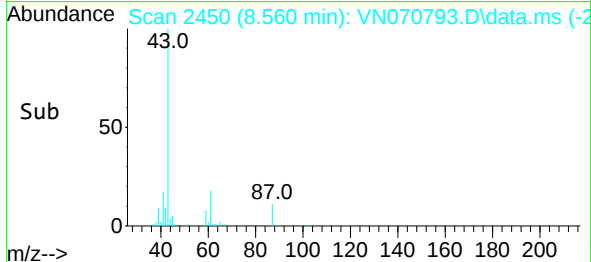
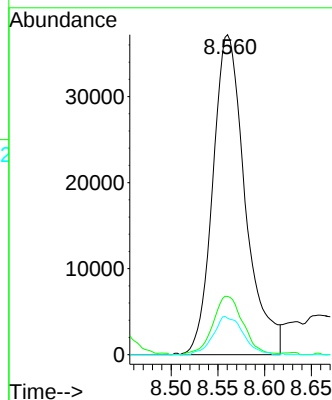
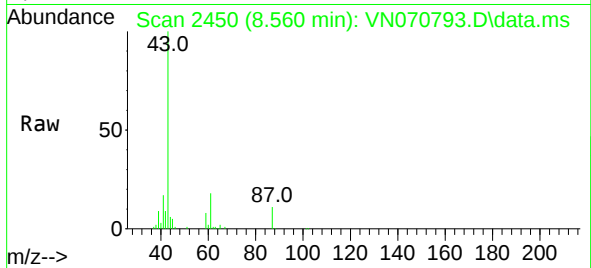




#43
Isopropyl Acetate
Concen: 3.129 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

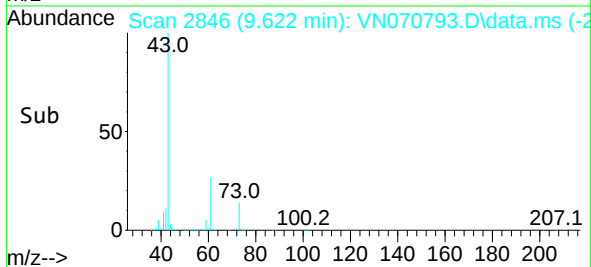
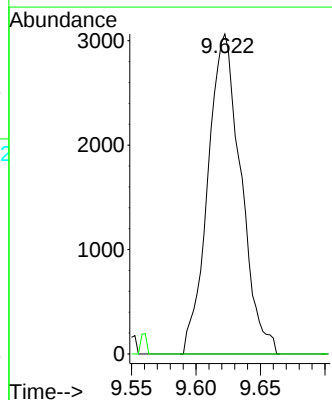
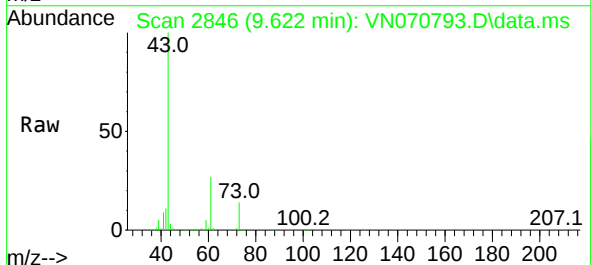
Instrument :
MSVOA_N
ClientSampleId :
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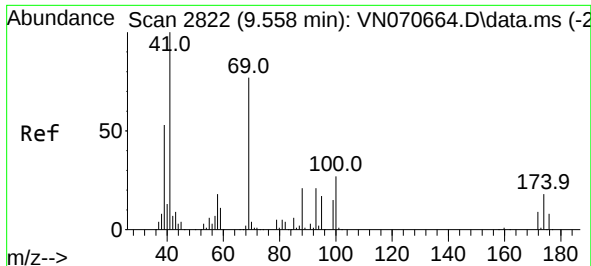
Tgt Ion: 43 Resp: 89787
Ion Ratio Lower Upper
43 100
61 17.0 20.4 30.6#
87 11.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.458 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 63 Resp: 5464
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

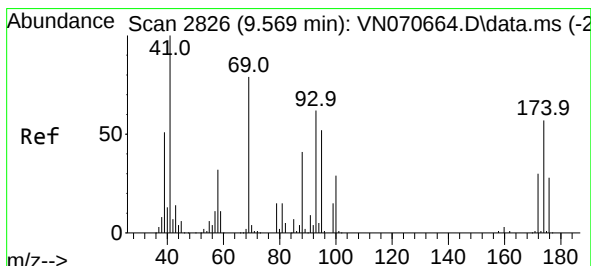
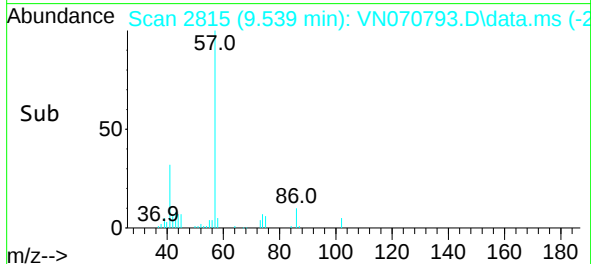
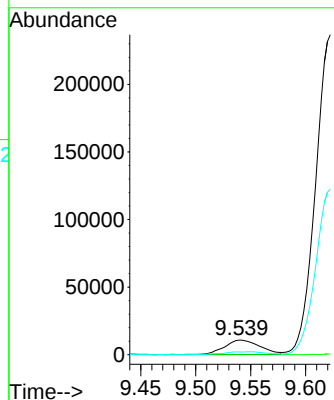
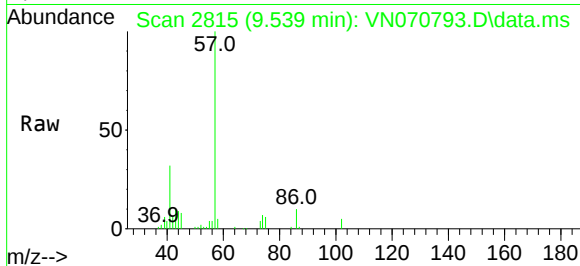




#48
Methyl methacrylate
Concen: 1.726 ug/l
RT: 9.539 min Scan# 21
Delta R.T. -0.019 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

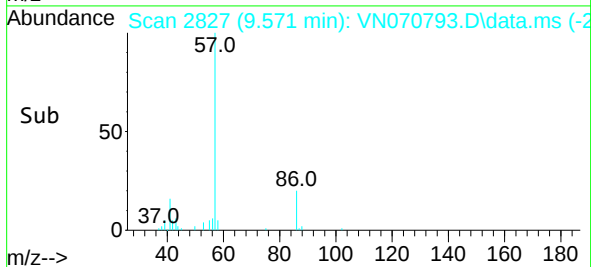
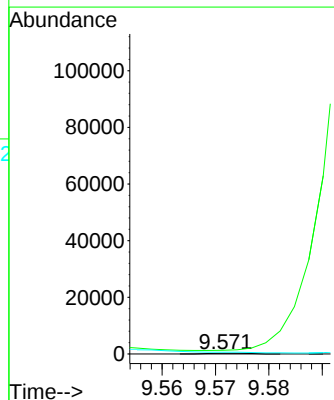
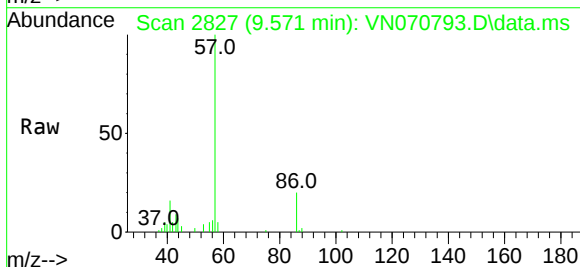
Instrument :
MSVOA_N
ClientSampleId :
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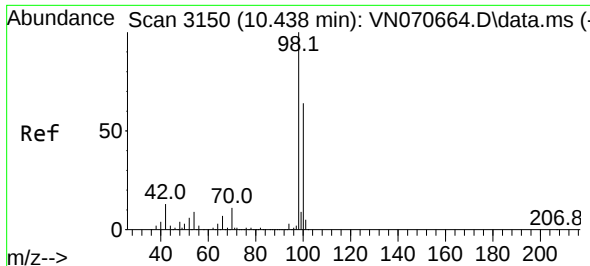
Tgt Ion: 41 Resp: 23592
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.623 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.002 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

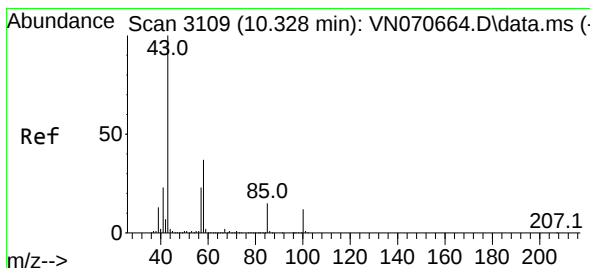
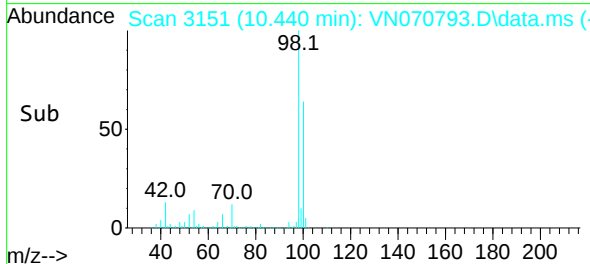
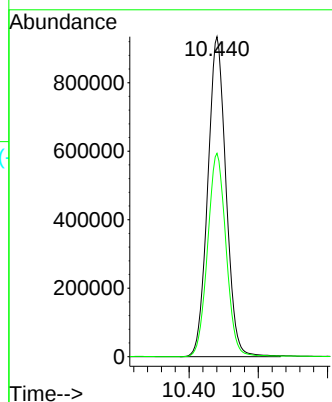
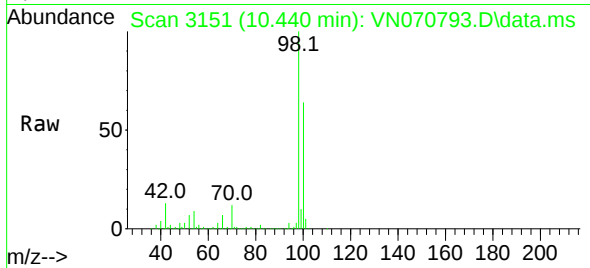




#50
Toluene-d8
Concen: 48.329 ug/l
RT: 10.440 min Scan# 3150
Delta R.T. 0.002 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

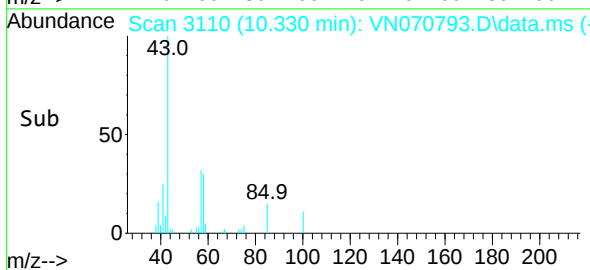
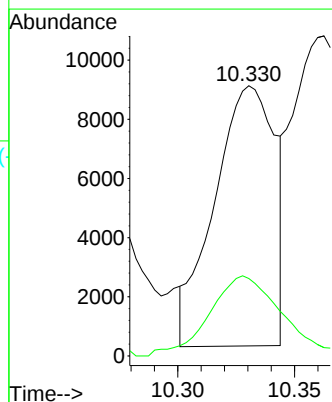
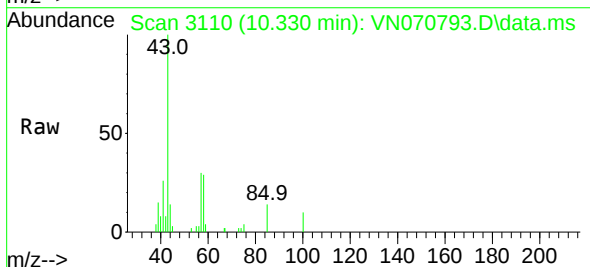
Instrument :
MSVOA_N
ClientSampleId :
BASMENT-FLOORS

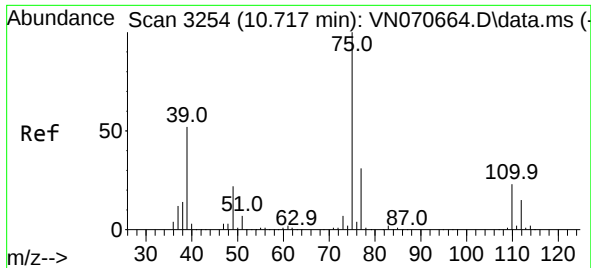
Tgt Ion: 98 Resp: 1711525
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.868 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 43 Resp: 15896
Ion Ratio Lower Upper
43 100
58 36.5 30.4 45.6

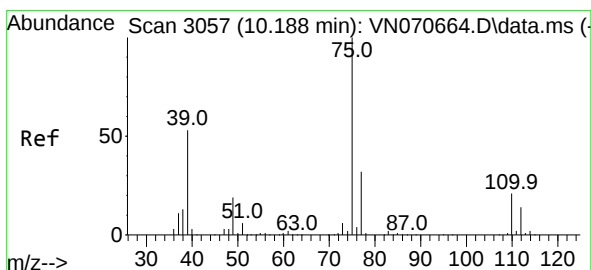
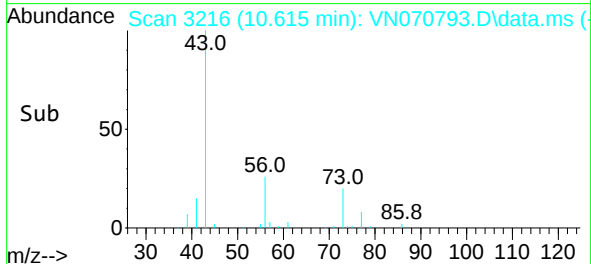
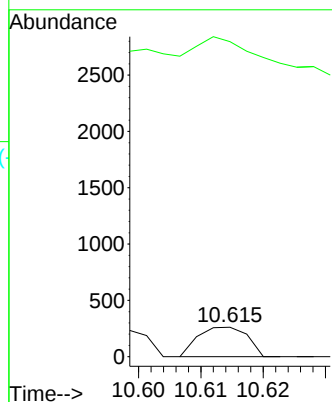
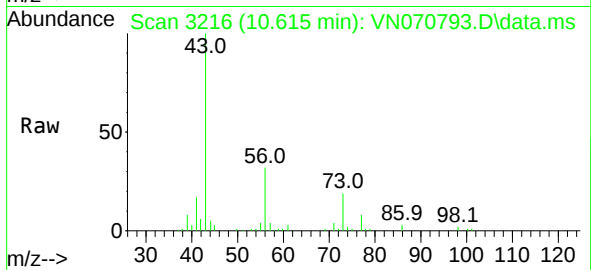




#53
 t-1,3-Dichloropropene
 Concen: 2.412 ug/l
 RT: 10.615 min Scan# 31
 Delta R.T. -0.102 min
 Lab File: VN070793.D
 Acq: 26 Jan 2022 16:39

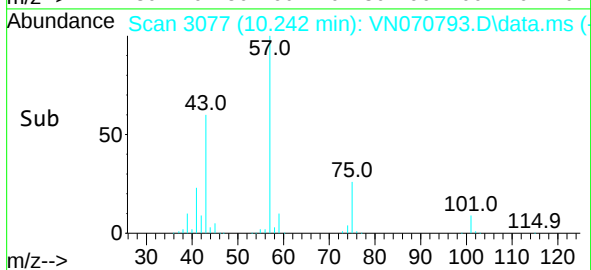
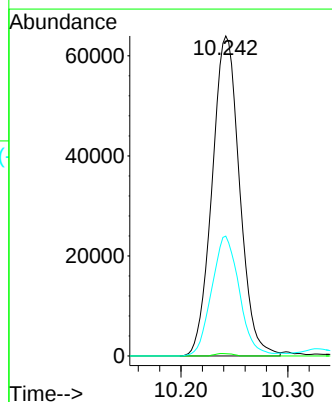
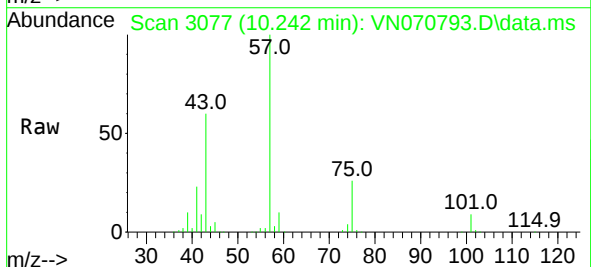
Instrument :
 MSVOA_N
 ClientSampleId :
 BASMENT-FLOORS

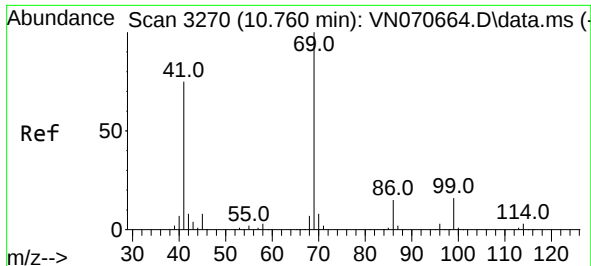
Tgt Ion: 75 Resp: 144
 Ion Ratio Lower Upper
 75 100
 77 73.6 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.720 ug/l
 RT: 10.242 min Scan# 3077
 Delta R.T. 0.054 min
 Lab File: VN070793.D
 Acq: 26 Jan 2022 16:39

Tgt Ion: 75 Resp: 114284
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.4 39.6#
 39 37.5 42.5 63.7#

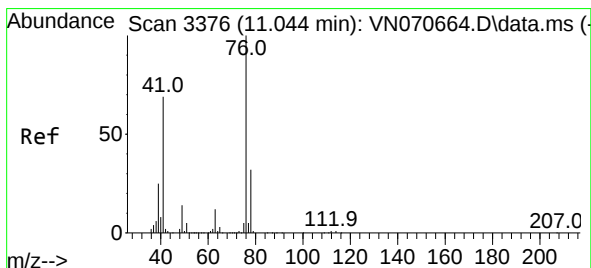
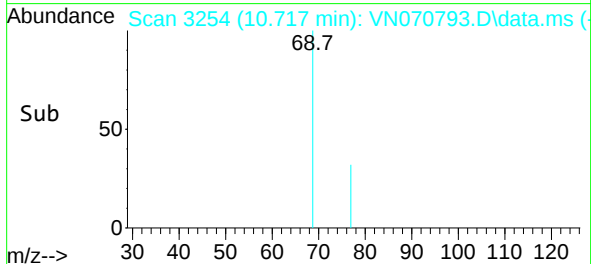
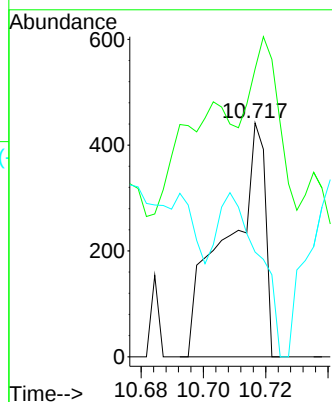
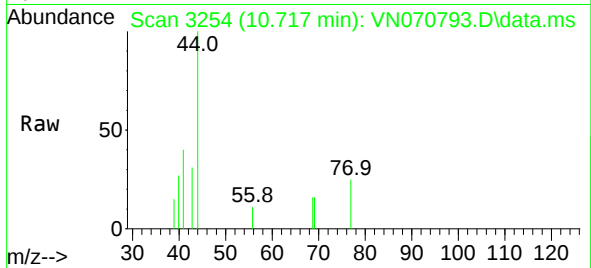




#56
Ethyl methacrylate
Concen: 2.320 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.043 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

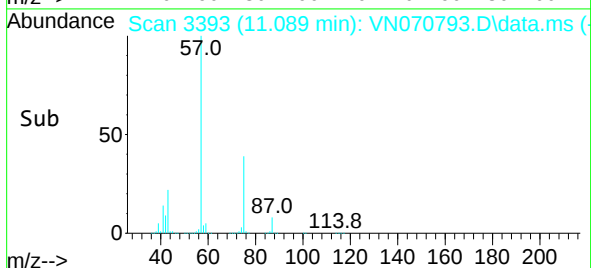
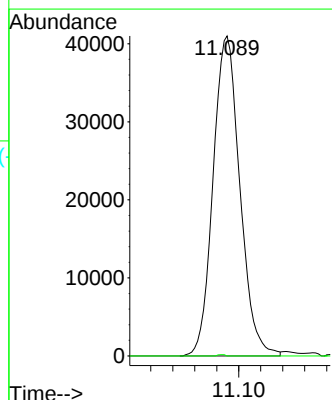
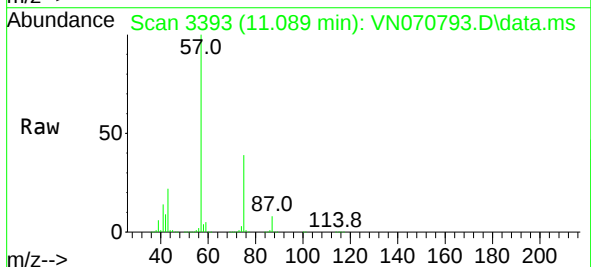
Instrument :
MSVOA_N
ClientSampleId :
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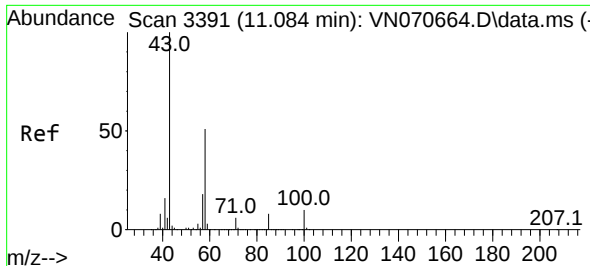
Tgt Ion: 69 Resp: 373
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.800 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 76 Resp: 69325
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

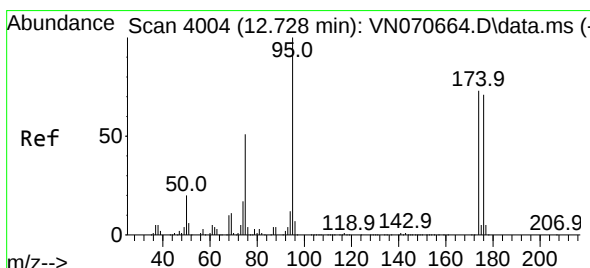
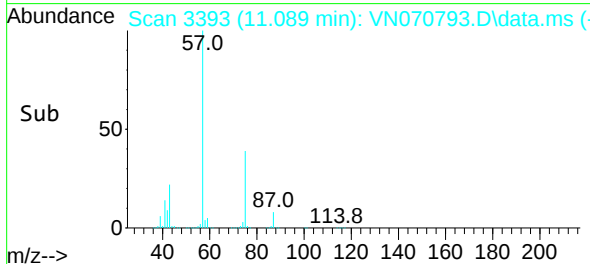
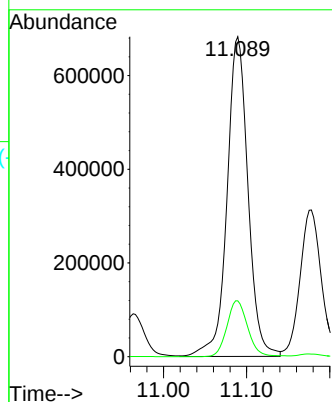
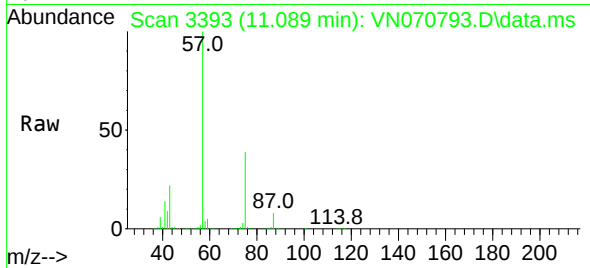




#59
2-Hexanone
Concen: 89.858 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

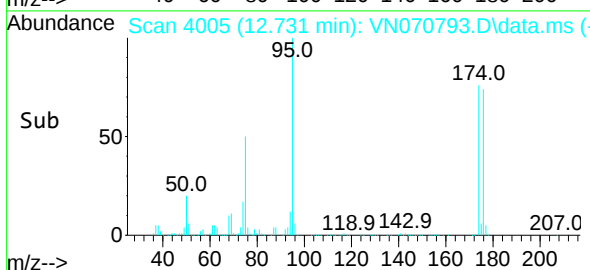
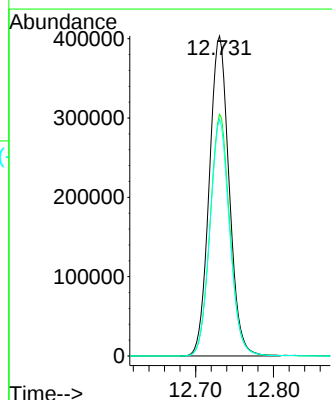
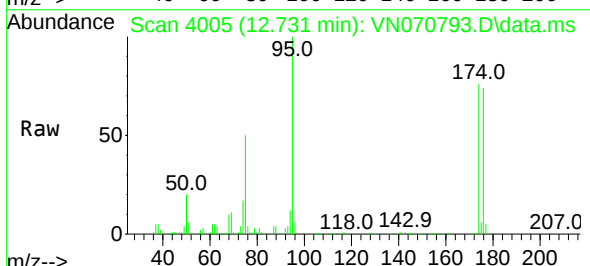
Instrument :
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ClientSampleId :
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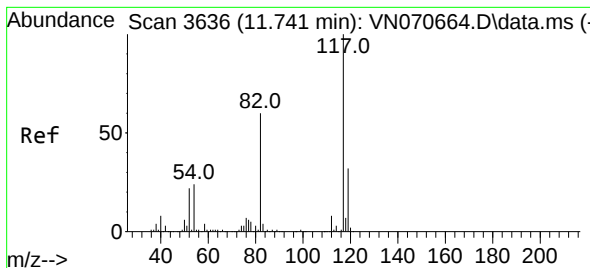
Tgt Ion: 43 Resp: 1195360
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 56.704 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 95 Resp: 715584
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 73.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3636

Delta R.T. 0.003 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

BASMENT-FLOORS

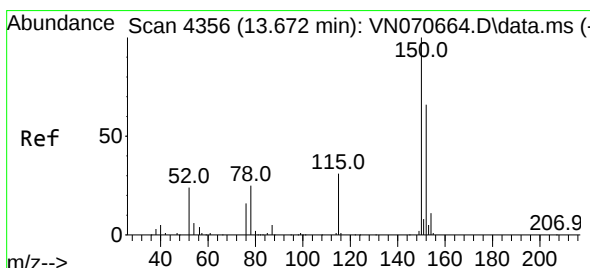
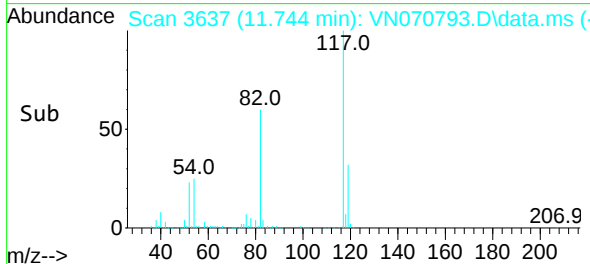
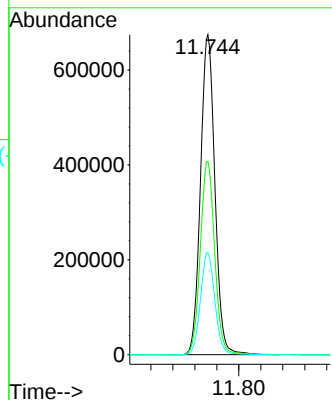
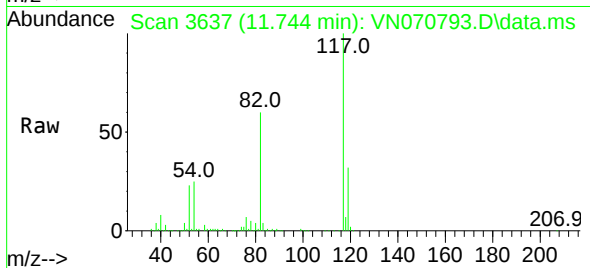
Tgt Ion:117 Resp: 1224678

Ion Ratio Lower Upper

117 100

82 60.4 42.4 63.6

119 31.9 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. 0.003 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

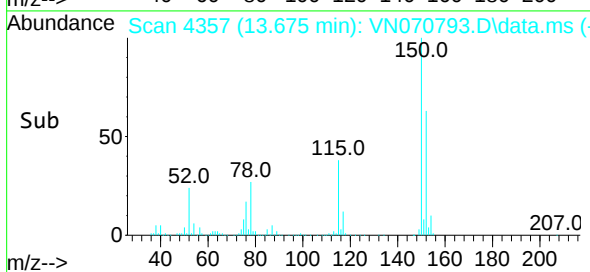
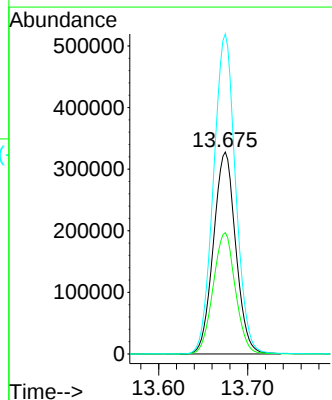
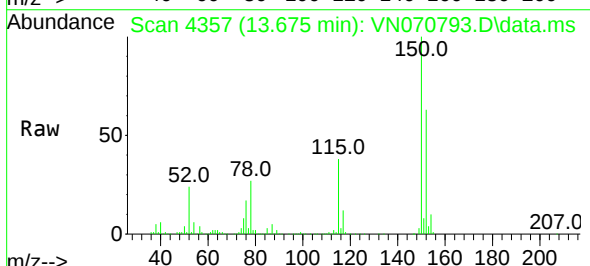
Tgt Ion:152 Resp: 571201

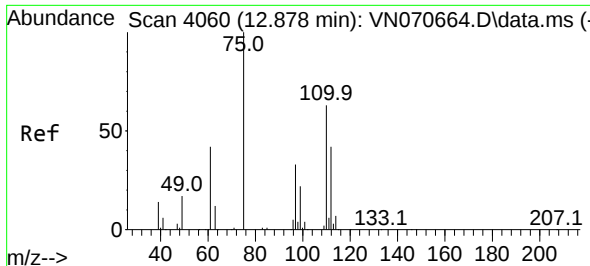
Ion Ratio Lower Upper

152 100

115 60.0 27.5 82.5

150 157.0 0.0 344.4

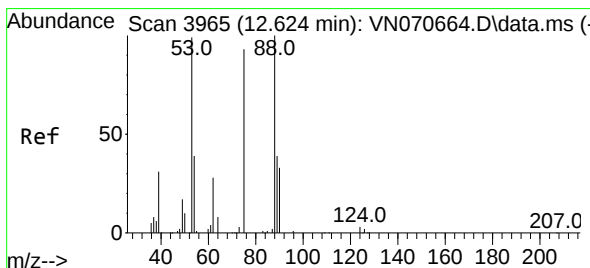
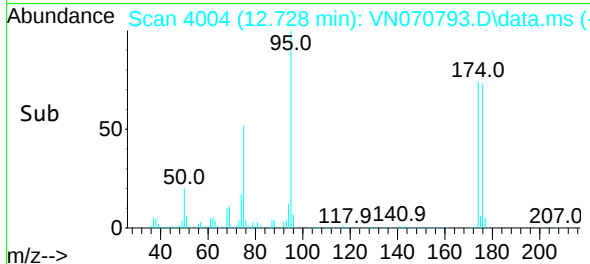
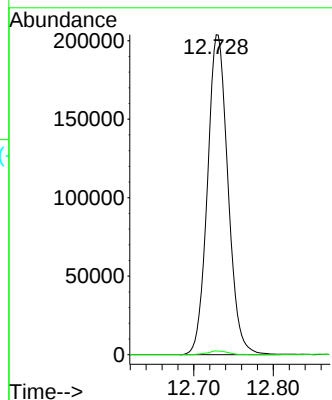
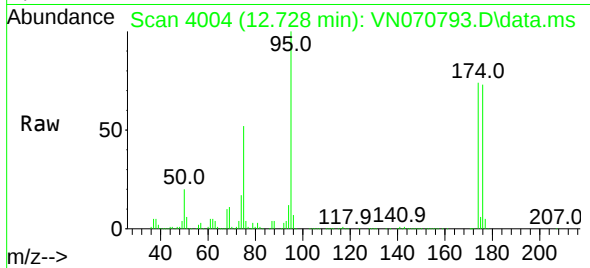




#76
1,2,3-Trichloropropane
Concen: 24.083 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

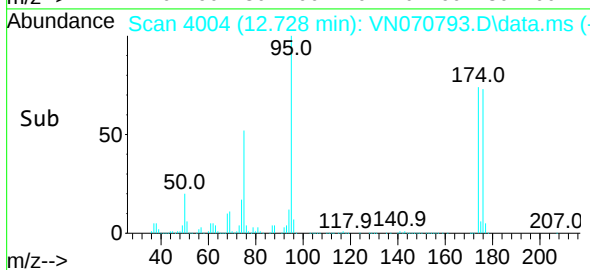
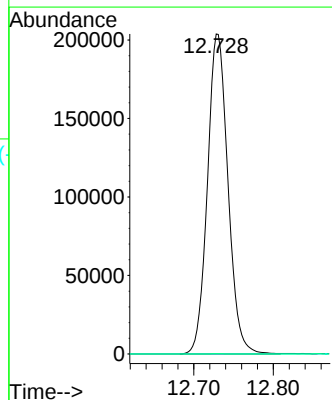
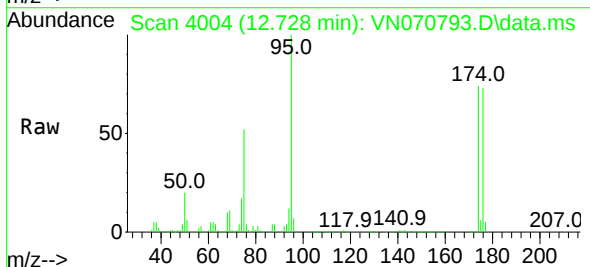
Instrument :
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ClientSampleId :
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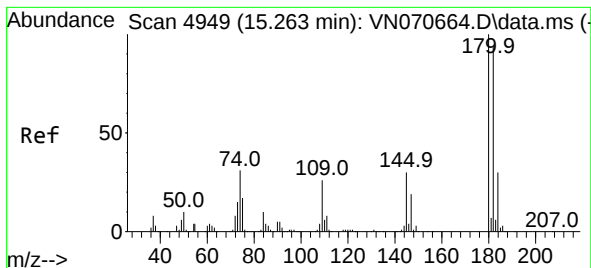
Tgt Ion: 75 Resp: 364854
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.748 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070793.D
Acq: 26 Jan 2022 16:39

Tgt Ion: 75 Resp: 364854
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.490 ug/l

RT: 15.263 min Scan# 4949

Delta R.T. -0.000 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

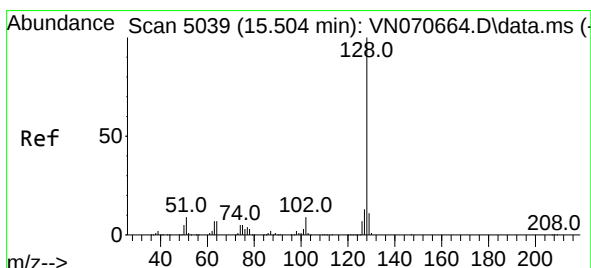
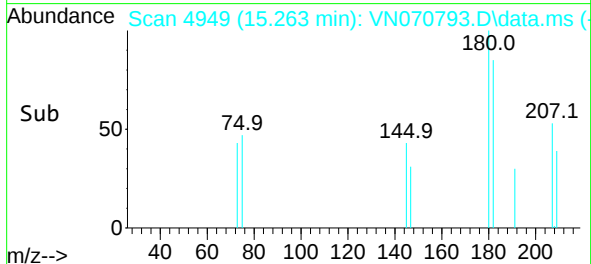
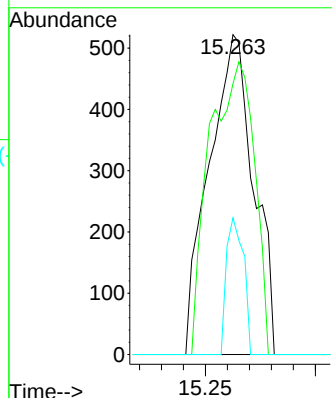
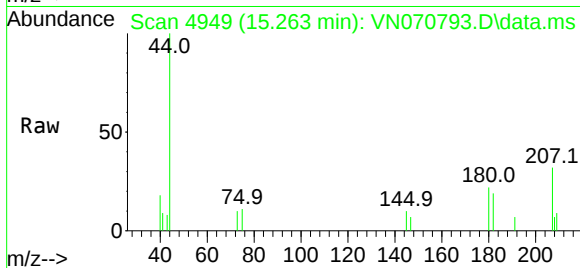
Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180	Resp:	735
Ion Ratio	Lower	Upper
180	100	
182	92.1	48.3 144.9
145	16.3	14.5 43.5



#95

Naphthalene

Concen: 5.025 ug/l

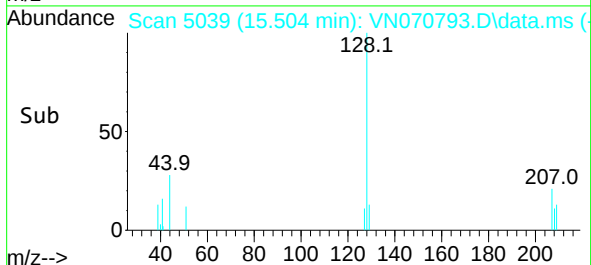
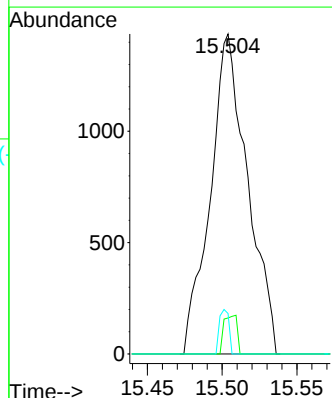
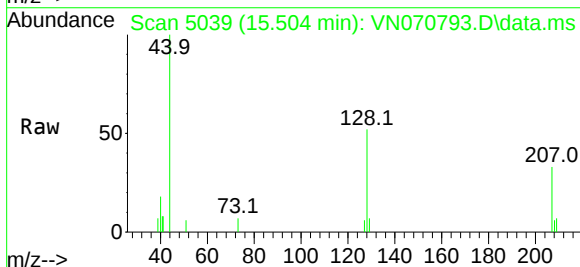
RT: 15.504 min Scan# 5039

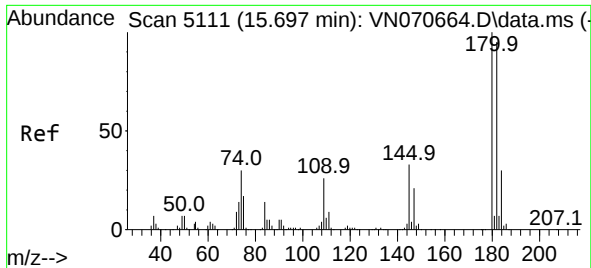
Delta R.T. -0.000 min

Lab File: VN070793.D

Acq: 26 Jan 2022 16:39

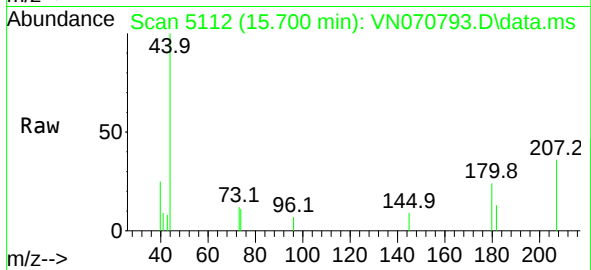
Tgt Ion:128	Resp:	2497
Ion Ratio	Lower	Upper
128	100	
127	4.3	10.5 15.7#
129	3.6	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.287 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070793.D
 Acq: 26 Jan 2022 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 BASMENT-FLOORS



Tgt Ion:180 Resp: 764
 Ion Ratio Lower Upper
 180 100
 182 38.7 47.4 142.2#
 145 15.2 15.0 45.1

