

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075380.D
 Acq On : 22 Nov 2022 20:06
 Operator : JC\MD
 Sample : N5749-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-83

Quant Time: Nov 23 07:15:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

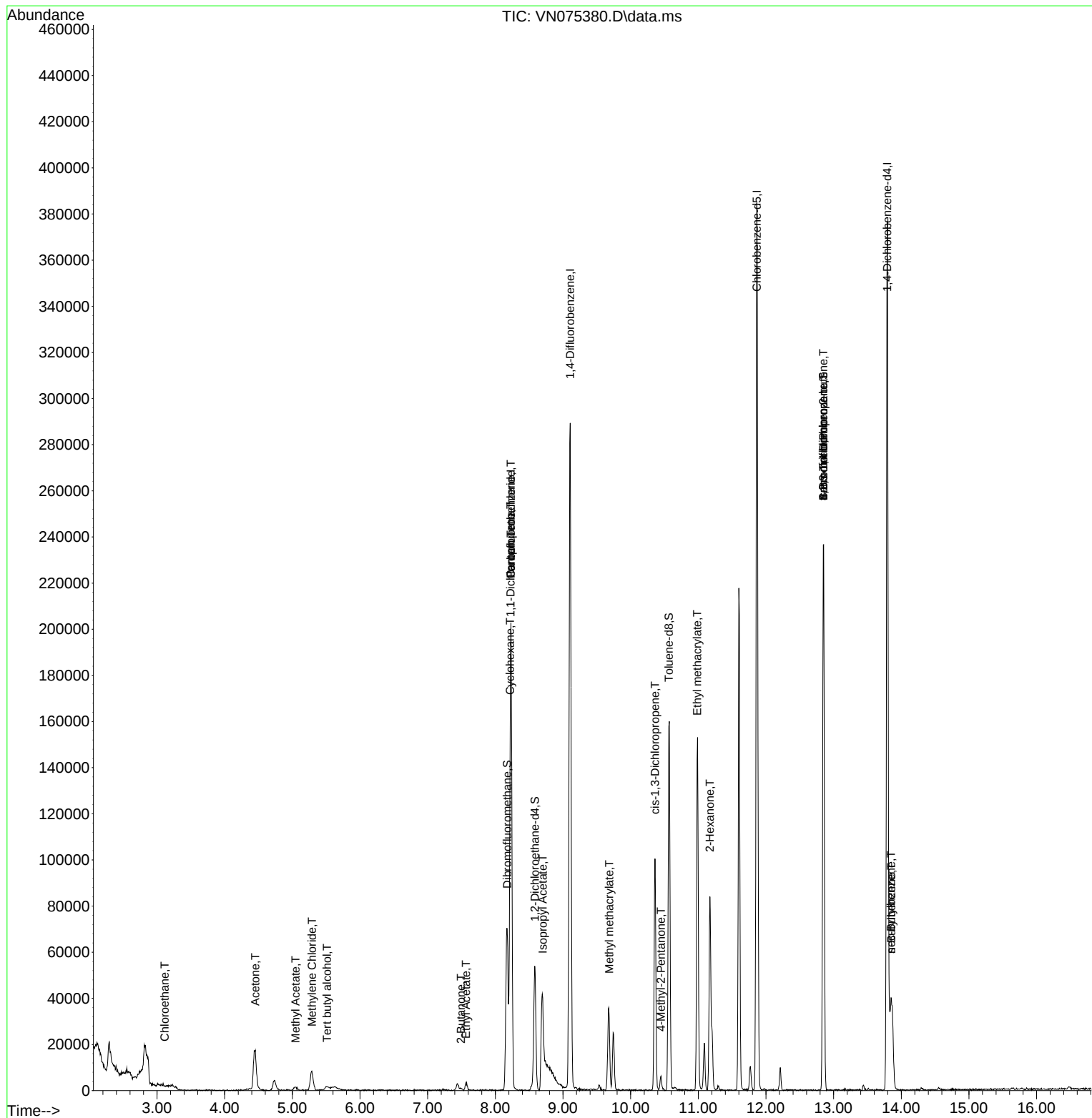
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	156736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	269272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	43279	51.441	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.880%
35) Dibromofluoromethane	8.177	113	52836	49.949	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.900%
50) Toluene-d8	10.565	98	117817	49.452	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.900%
62) 4-Bromofluorobenzene	12.847	95	84089	47.819	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.640%
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	578	0.406	ug/l #	45
11) Tert butyl alcohol	5.512	59	886	2.509	ug/l #	72
16) Acetone	4.453	43	34691	44.206	ug/l	99
18) Methyl Acetate	5.048	43	3343	0.405	ug/l	91
20) Methylene Chloride	5.289	84	7199	3.330	ug/l	83
25) 2-Butanone	7.494	43	1409	1.286	ug/l	92
31) Cyclohexane	8.218	56	2694	1.008	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	11481	4.977	ug/l #	50
37) Ethyl Acetate	7.565	43	4890	2.354	ug/l	97
38) Carbon Tetrachloride	8.230	117	14922	5.889	ug/l #	16
43) Isopropyl Acetate	8.700	43	52692	15.804	ug/l #	80
48) Methyl methacrylate	9.682	41	1056	0.685	ug/l #	24
51) 4-Methyl-2-Pentanone	10.447	43	4712	2.219	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	20530	7.637	ug/l #	63
56) Ethyl methacrylate	10.982	69	585	0.234	ug/l #	1
59) 2-Hexanone	11.171	43	65922	41.342	ug/l #	21
71) Bromoform	12.847	173	485	0.350	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	42391	21.735	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42391	64.309	ug/l #	10
85) sec-Butylbenzene	13.847	105	2642	0.341	ug/l #	56
89) n-Butylbenzene	13.853	91	6786	1.233	ug/l #	34

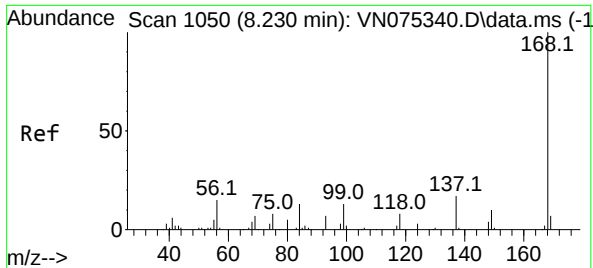
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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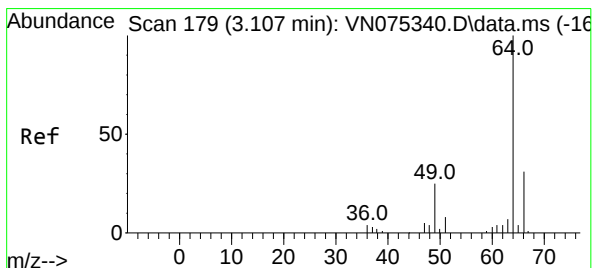
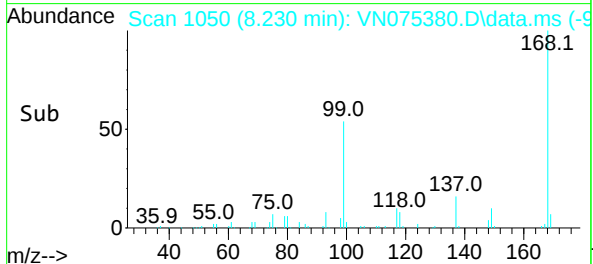
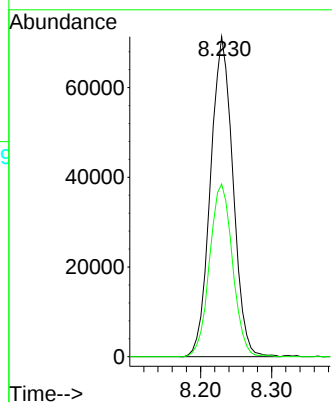
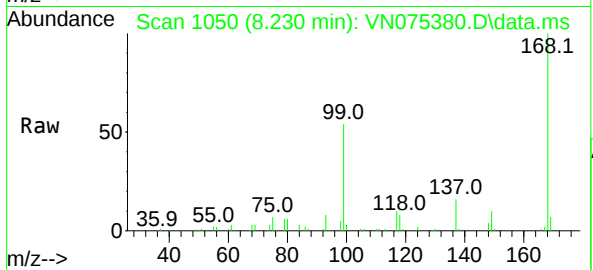




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

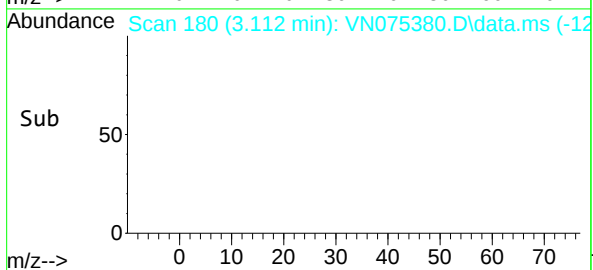
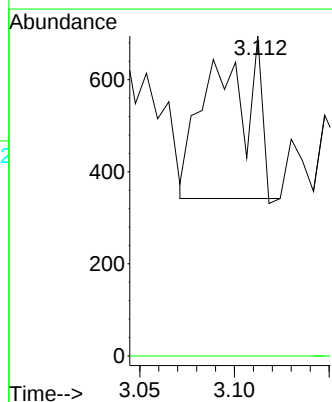
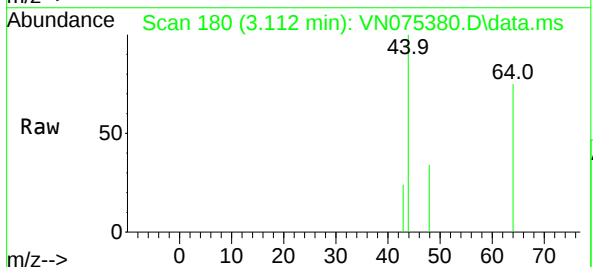
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MSVOA_N
ClientSampleId :
MH-83

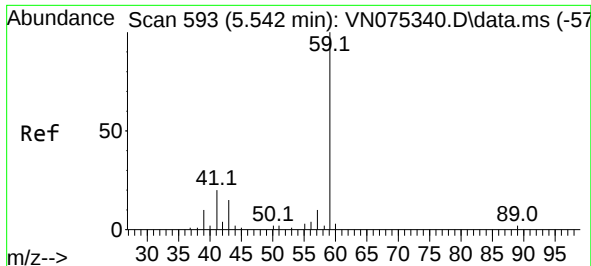
Tgt Ion:168 Resp: 156736
Ion Ratio Lower Upper
168 100
99 54.0 51.6 77.4



#6
Chloroethane
Concen: 0.406 ug/l
RT: 3.112 min Scan# 180
Delta R.T. 0.005 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion: 64 Resp: 578
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

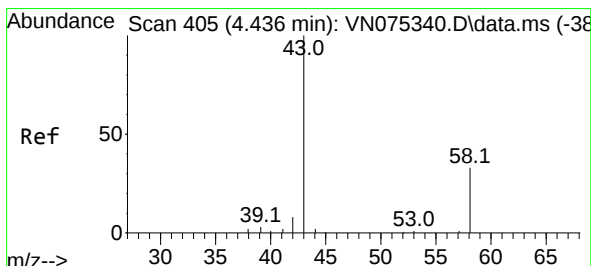
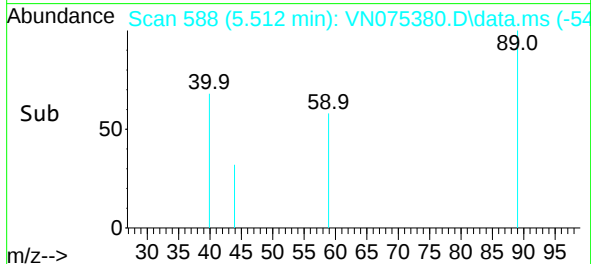
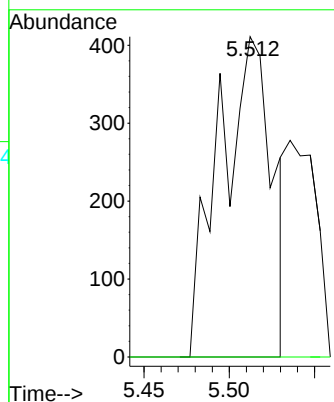
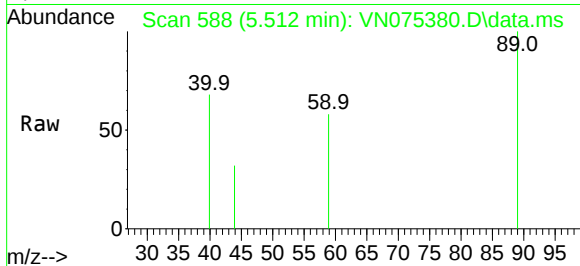




#11
Tert butyl alcohol
Concen: 2.509 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

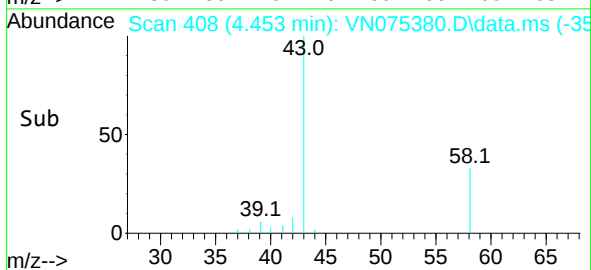
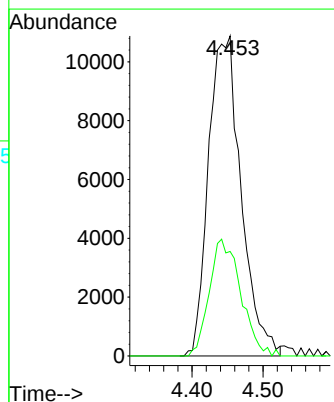
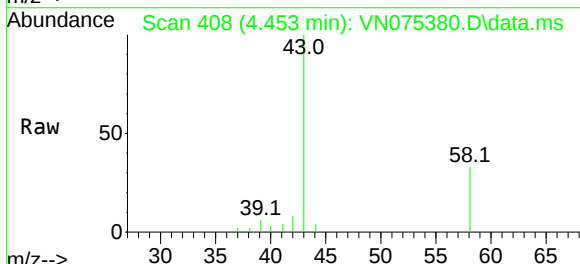
Instrument :
MSVOA_N
ClientSampleId :
MH-83

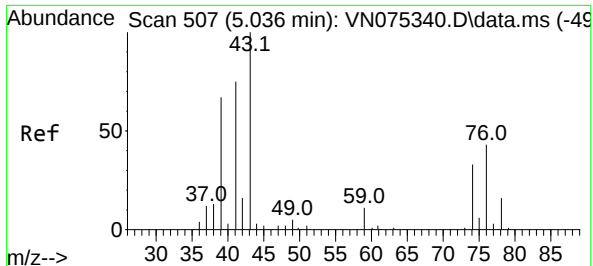
Tgt Ion: 59 Resp: 886
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 44.206 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion: 43 Resp: 34691
Ion Ratio Lower Upper
43 100
58 32.6 25.5 38.3

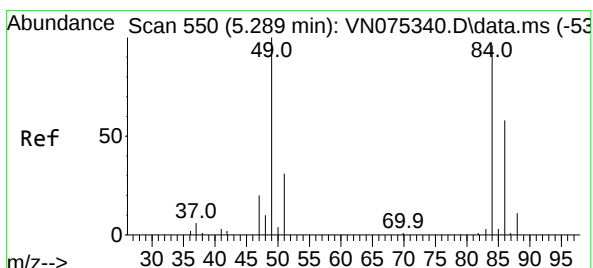
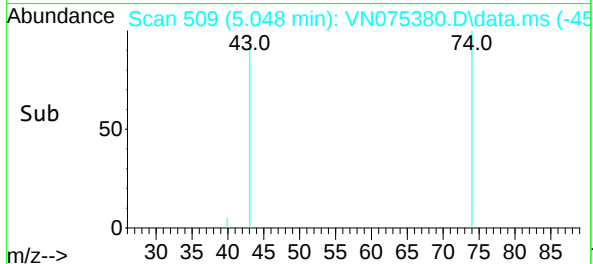
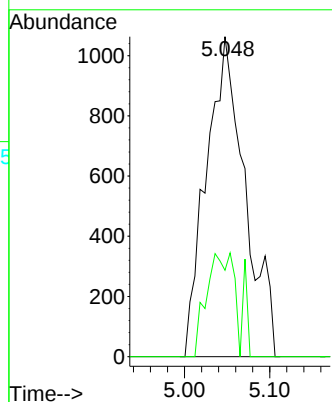
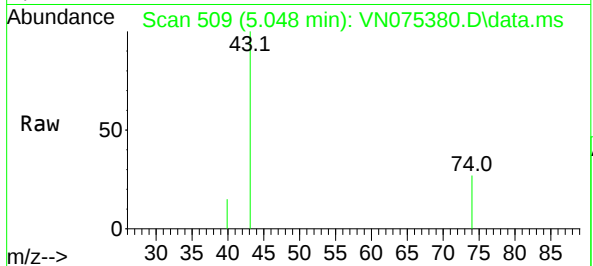




#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 5.048 min Scan# 507
Delta R.T. 0.012 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

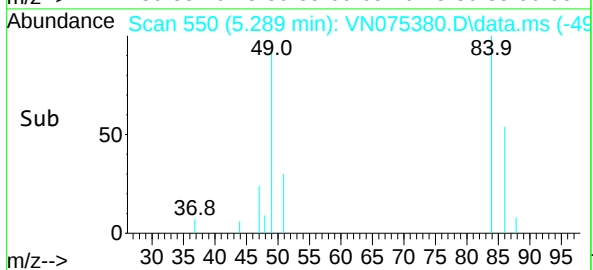
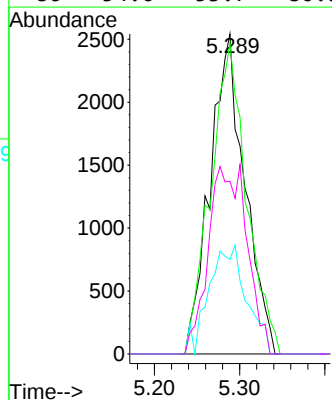
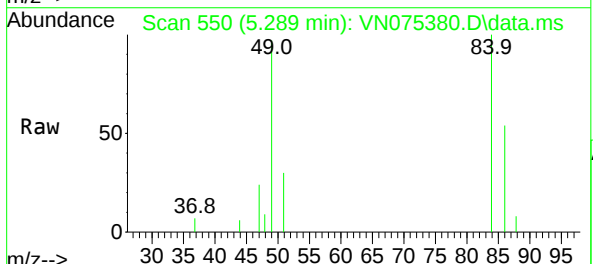
Instrument :
MSVOA_N
ClientSampleId :
MH-83

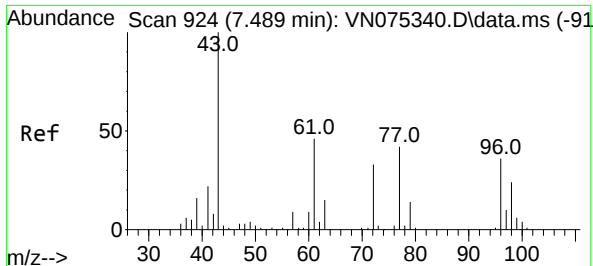
Tgt Ion: 43 Resp: 3343
Ion Ratio Lower Upper
43 100
74 22.7 22.0 33.0



#20
Methylene Chloride
Concen: 3.330 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion: 84 Resp: 7199
Ion Ratio Lower Upper
84 100
49 97.0 94.9 142.3
51 29.5 26.8 40.2
86 54.0 53.7 80.5





#25

2-Butanone

Concen: 1.286 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075380.D

Acq: 22 Nov 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

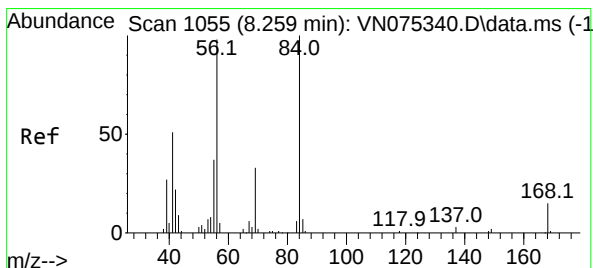
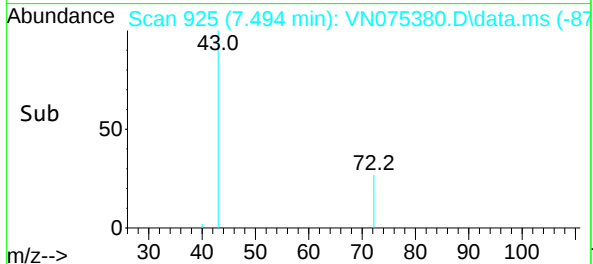
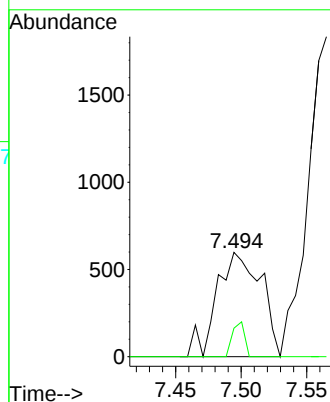
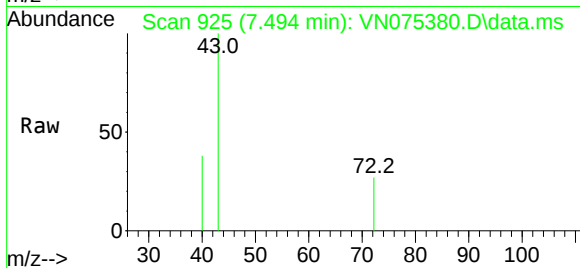
MH-83

Tgt Ion: 43 Resp: 1409

Ion Ratio Lower Upper

43 100

72 27.3 25.5 38.3



#31

Cyclohexane

Concen: 1.008 ug/l

RT: 8.218 min Scan# 1048

Delta R.T. -0.041 min

Lab File: VN075380.D

Acq: 22 Nov 2022 20:06

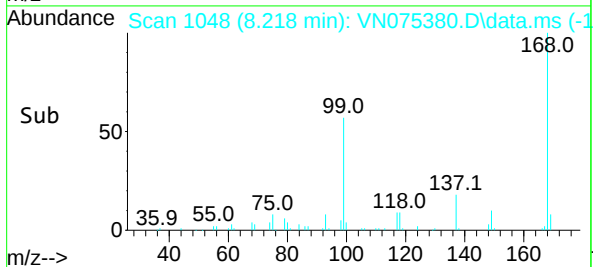
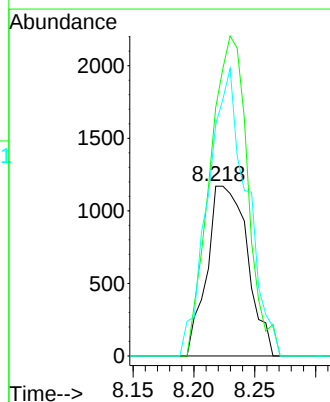
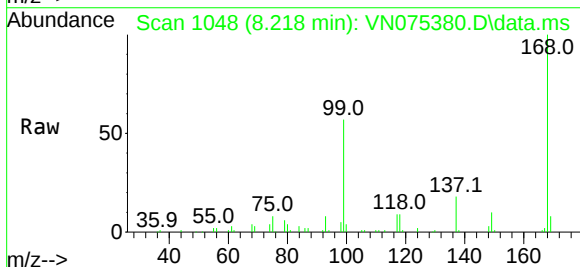
Tgt Ion: 56 Resp: 2694

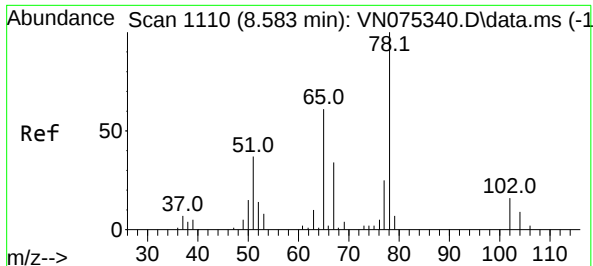
Ion Ratio Lower Upper

56 100

69 146.3 25.2 37.8#

84 136.5 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 51.441 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075380.D

Acq: 22 Nov 2022 20:06

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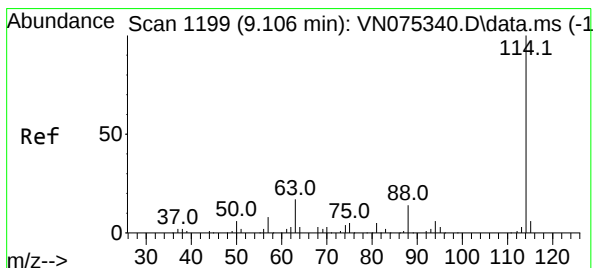
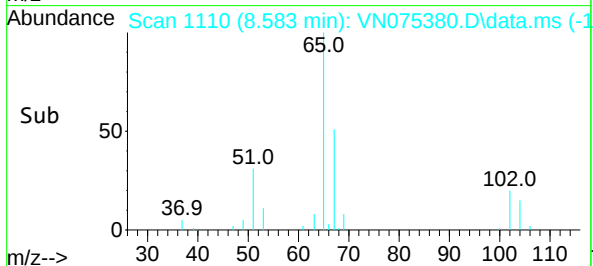
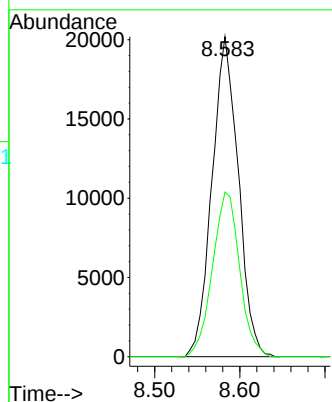
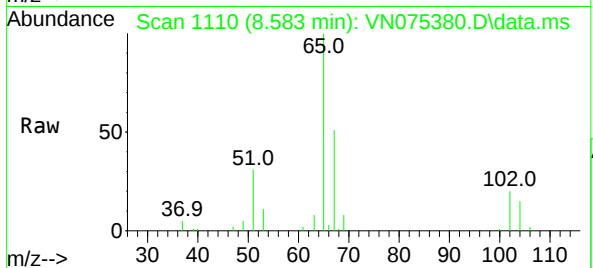
MH-83

Tgt Ion: 65 Resp: 43279

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075380.D

Acq: 22 Nov 2022 20:06

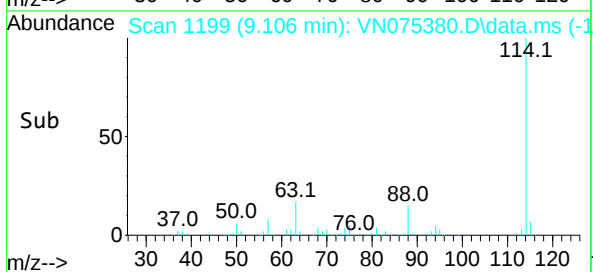
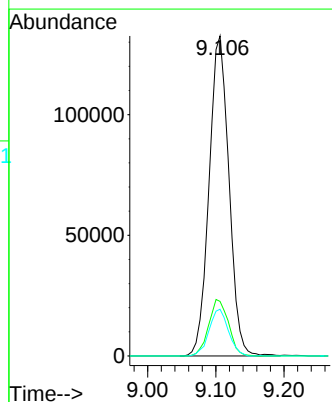
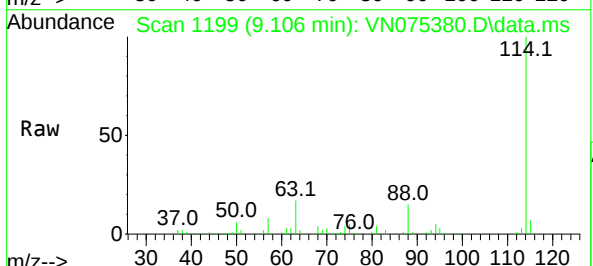
Tgt Ion: 114 Resp: 269272

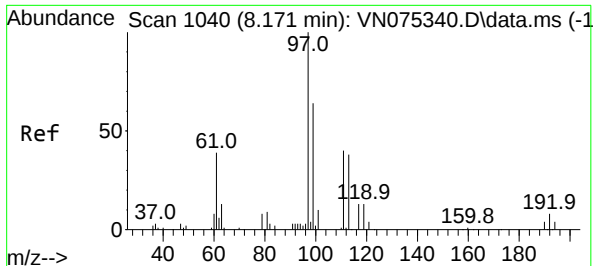
Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 14.6 0.0 29.0

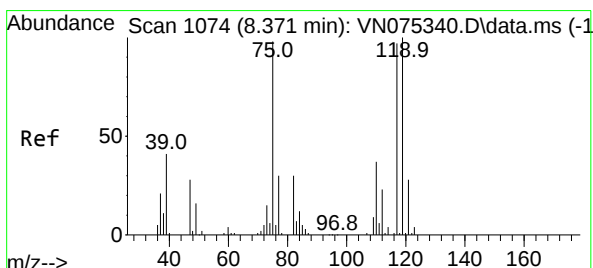
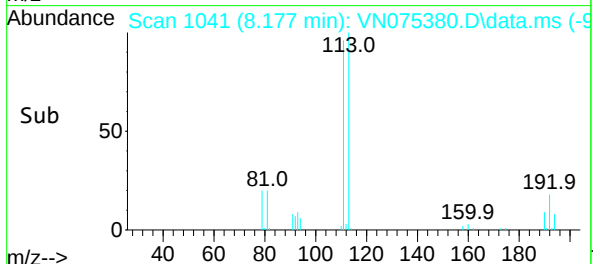
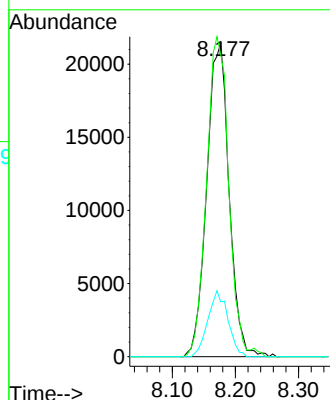
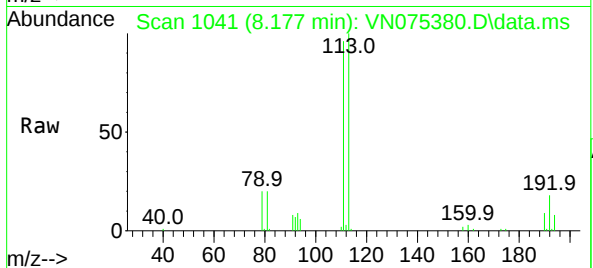




#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

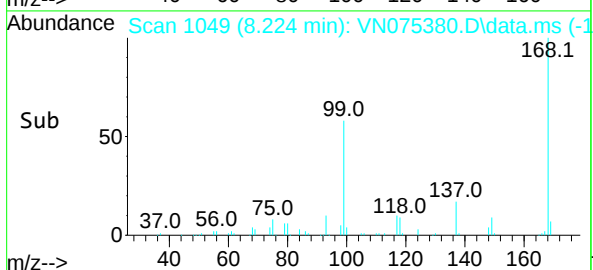
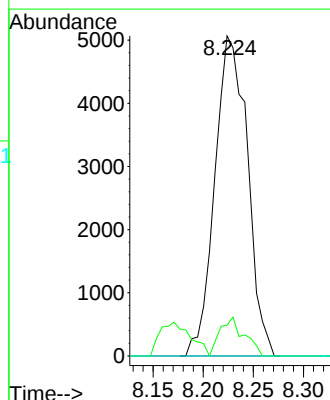
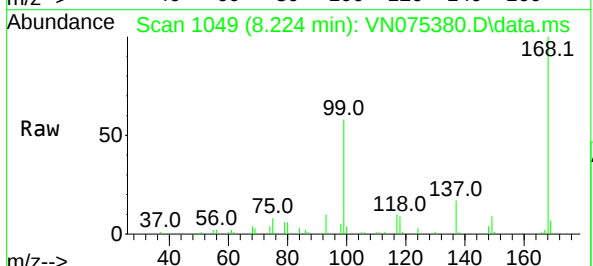
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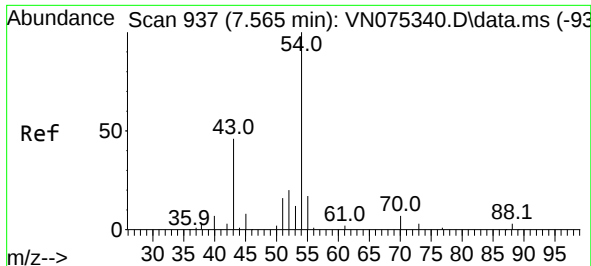
Tgt Ion:113 Resp: 52836
Ion Ratio Lower Upper
113 100
111 101.2 80.5 120.7
192 18.8 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.977 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion: 75 Resp: 11481
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 24.6 37.0#

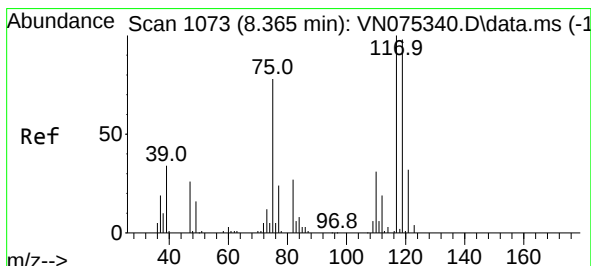
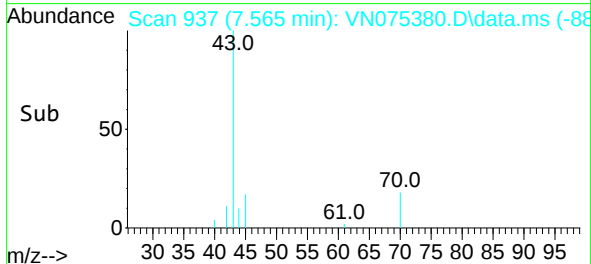
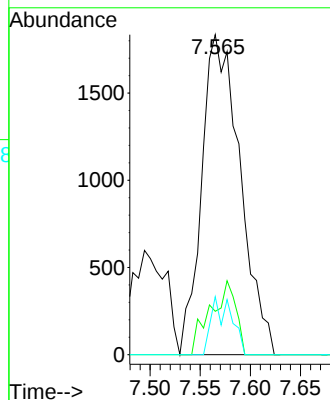
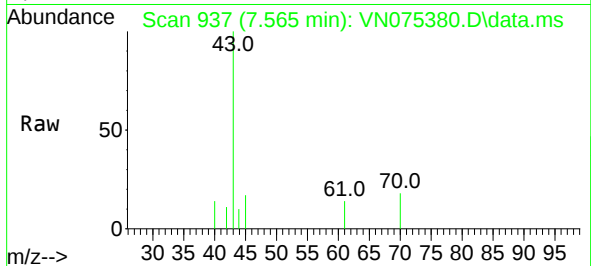




#37
Ethyl Acetate
Concen: 2.354 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

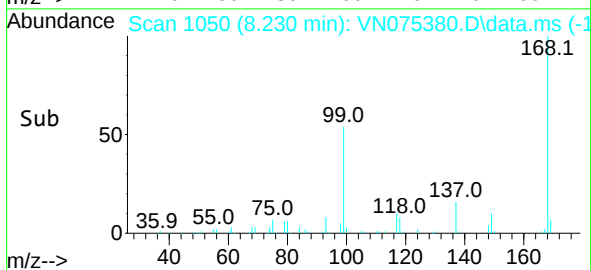
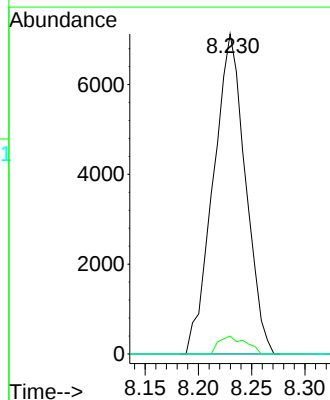
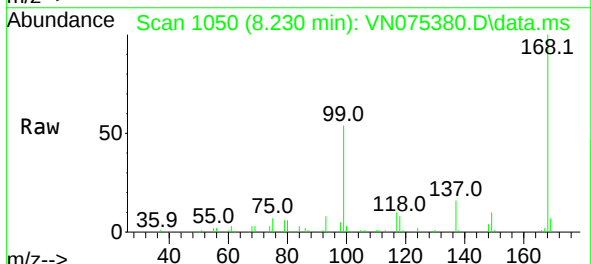
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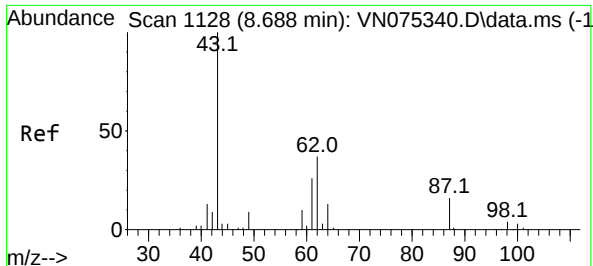
Tgt Ion:	43	Resp:	4890
Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.4
70	9.5	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion:	117	Resp:	14922
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.7	115.1#
121	0.0	23.9	35.9#

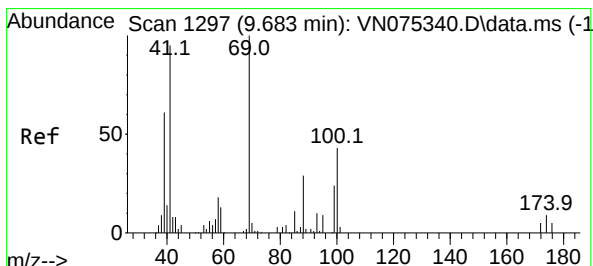
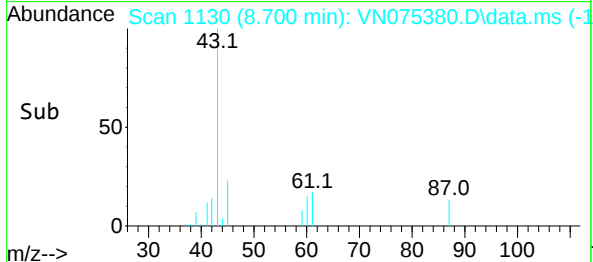
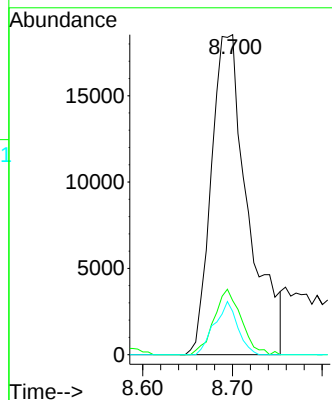
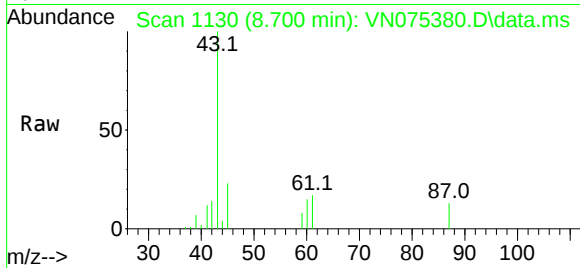




#43
Isopropyl Acetate
Concen: 15.804 ug/l
RT: 8.700 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

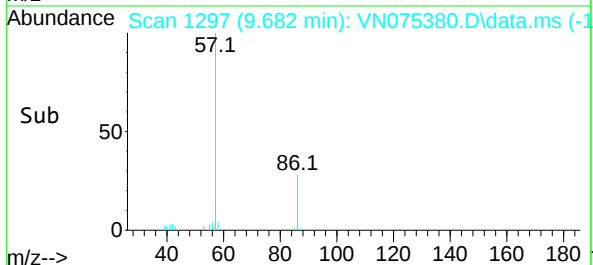
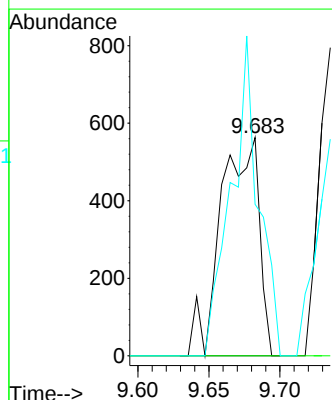
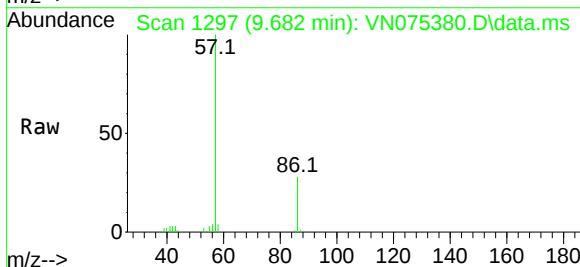
Instrument :
MSVOA_N
ClientSampleId :
MH-83

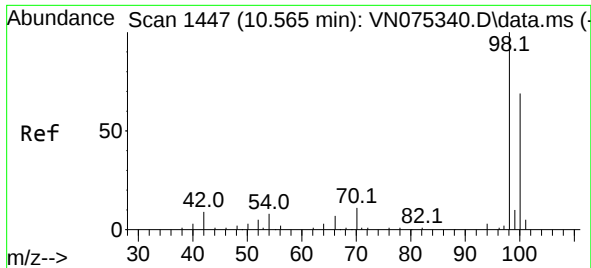
Tgt Ion: 43 Resp: 52692
Ion Ratio Lower Upper
43 100
61 15.2 22.4 33.6#
87 10.5 12.5 18.7#



#48
Methyl methacrylate
Concen: 0.685 ug/l
RT: 9.682 min Scan# 1297
Delta R.T. -0.001 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion: 41 Resp: 1056
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 104.8 56.2 84.2#

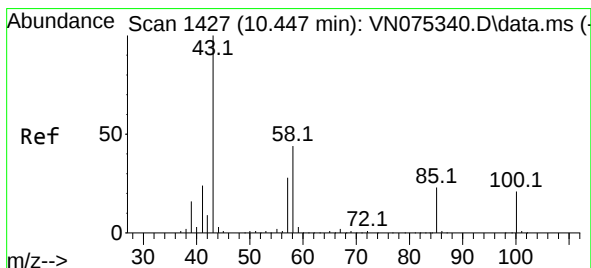
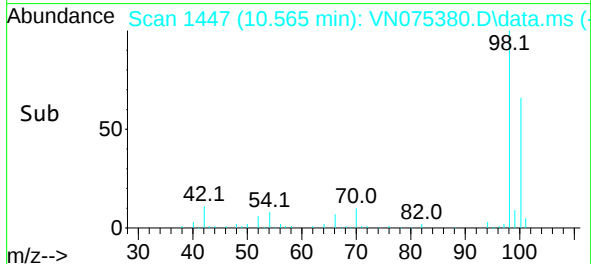
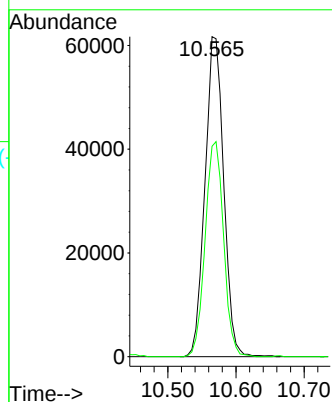
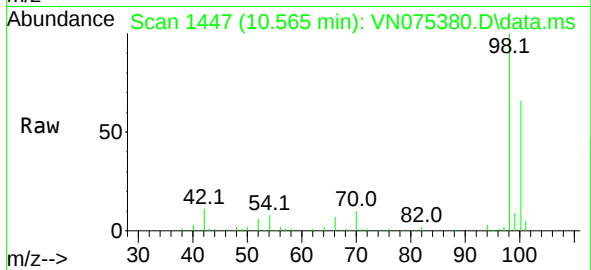




#50
Toluene-d8
Concen: 49.452 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

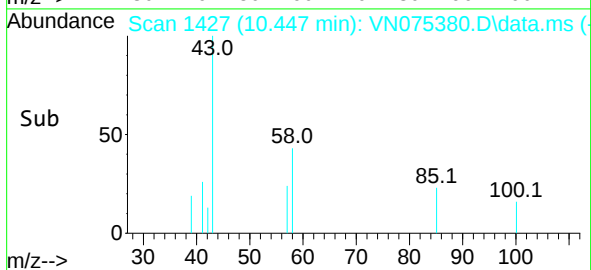
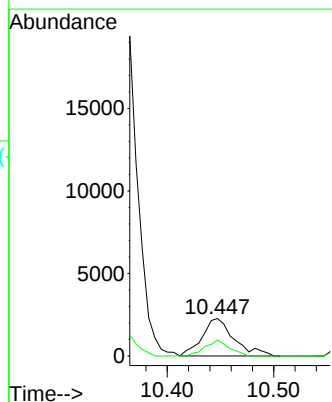
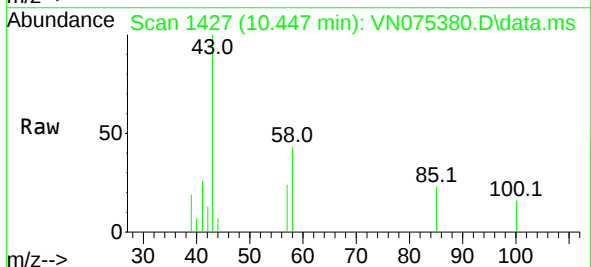
Instrument :
MSVOA_N
ClientSampleId :
MH-83

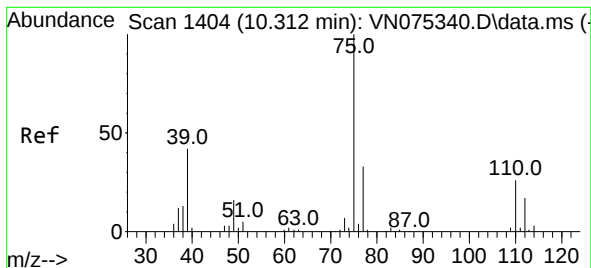
Tgt Ion: 98 Resp: 117817
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.219 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion: 43 Resp: 4712
Ion Ratio Lower Upper
43 100
58 32.0 33.6 50.4#

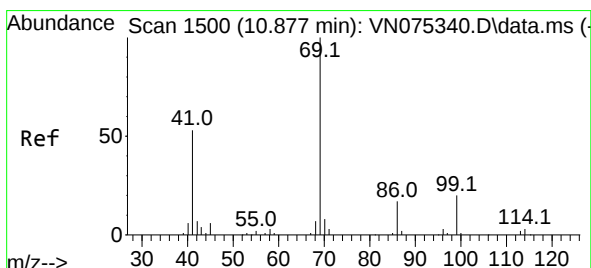
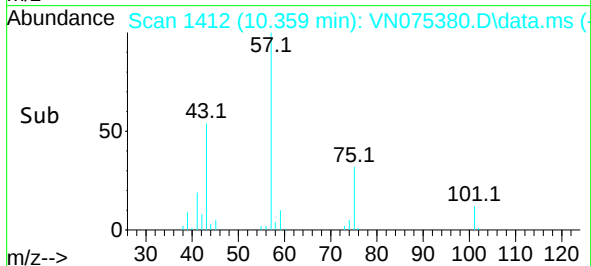
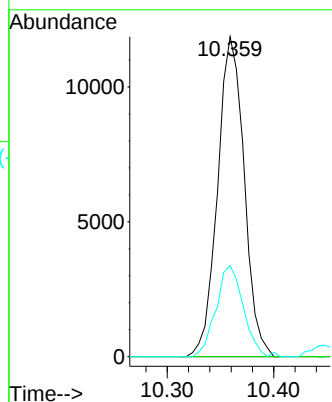
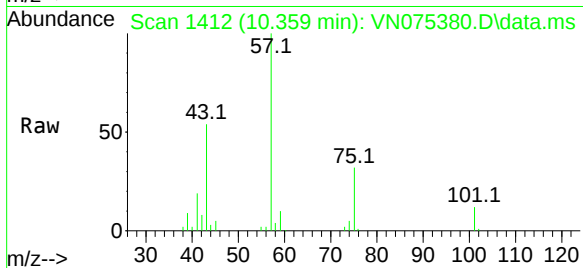




#54
 cis-1,3-Dichloropropene
 Concen: 7.637 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075380.D
 Acq: 22 Nov 2022 20:06

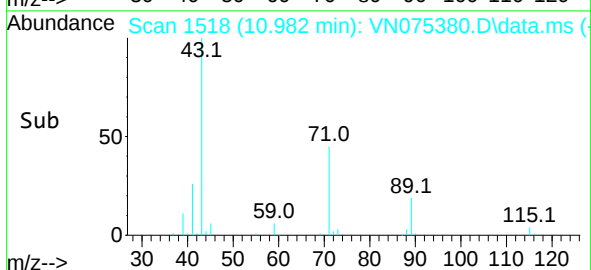
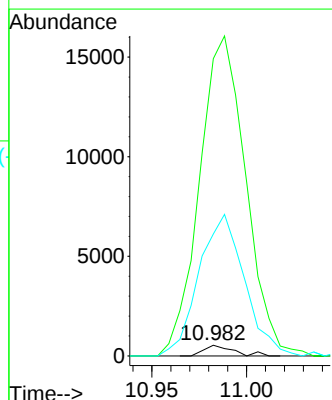
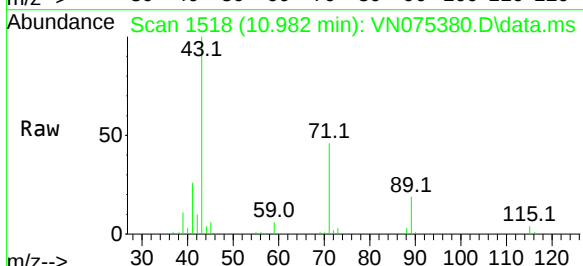
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-83

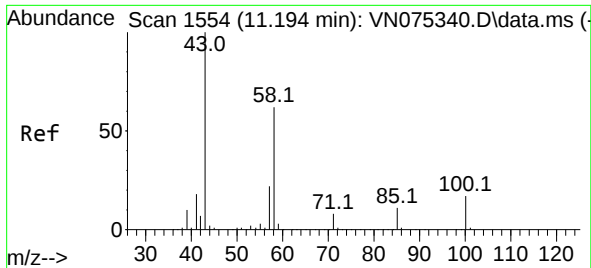
Tgt Ion: 75 Resp: 20530
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.5 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.234 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075380.D
 Acq: 22 Nov 2022 20:06

Tgt Ion: 69 Resp: 585
 Ion Ratio Lower Upper
 69 100
 41 4679.7 45.6 68.4#
 39 2037.3 28.5 42.7#

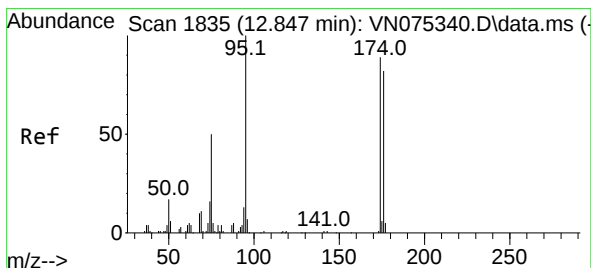
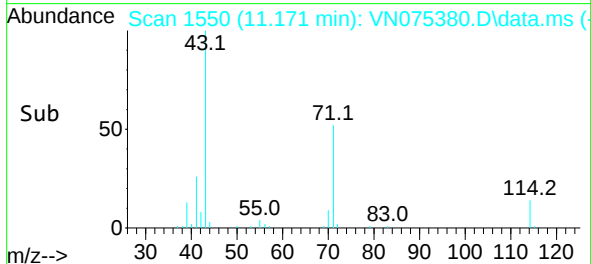
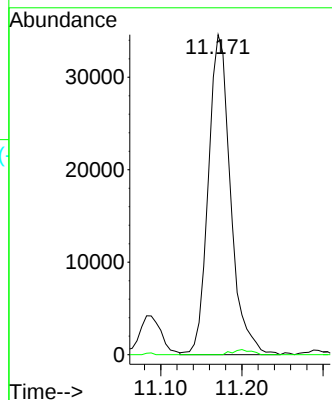
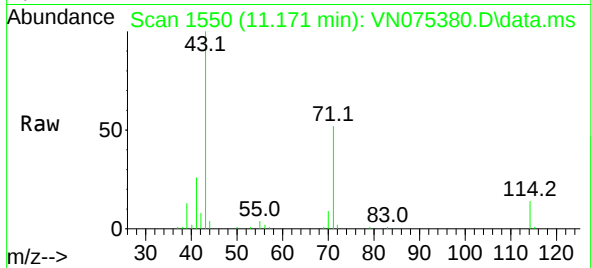




#59
2-Hexanone
Concen: 41.342 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

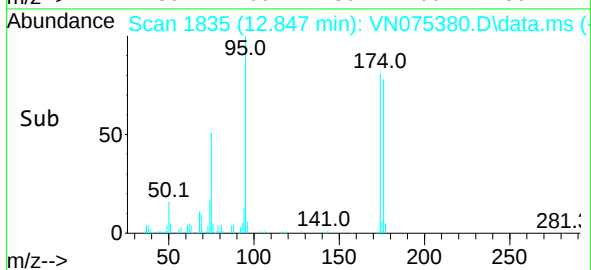
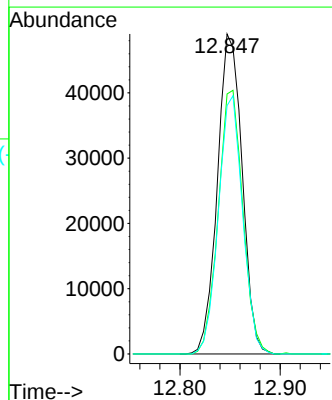
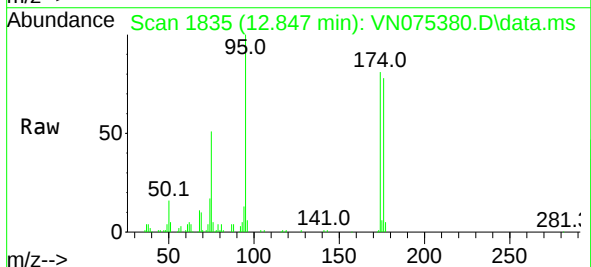
Instrument :
MSVOA_N
ClientSampleId :
MH-83

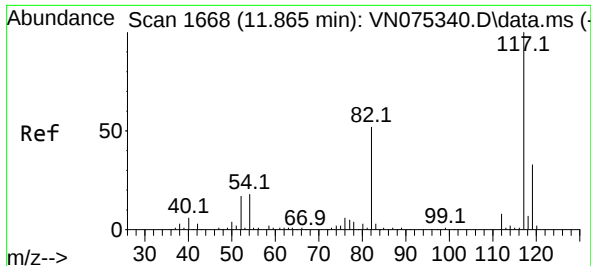
Tgt Ion: 43 Resp: 65922
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.819 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion: 95 Resp: 84089
Ion Ratio Lower Upper
95 100
174 81.8 0.0 147.4
176 78.8 0.0 142.2

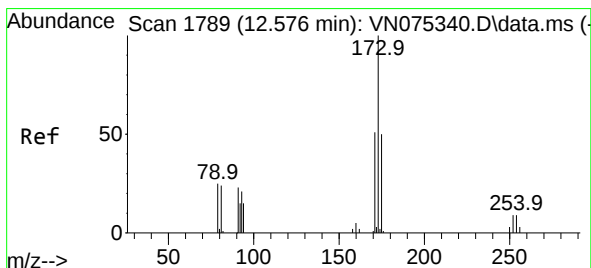
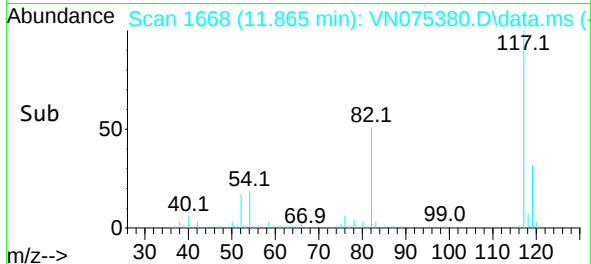
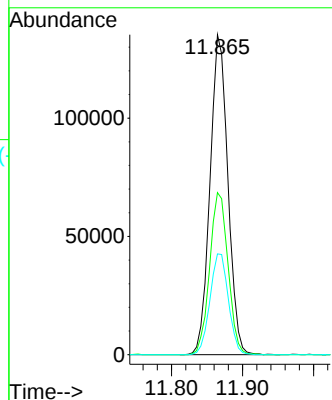
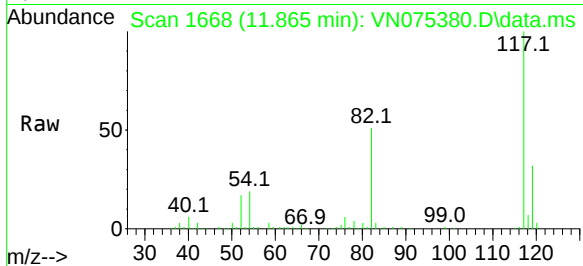




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

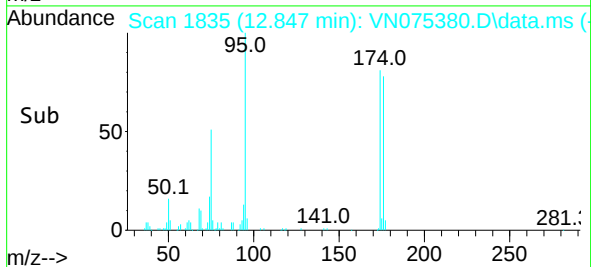
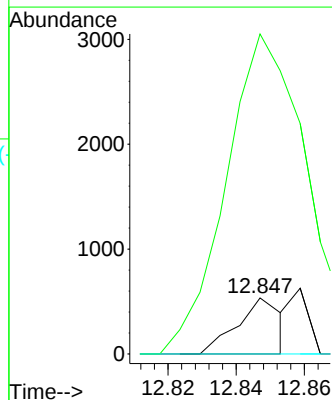
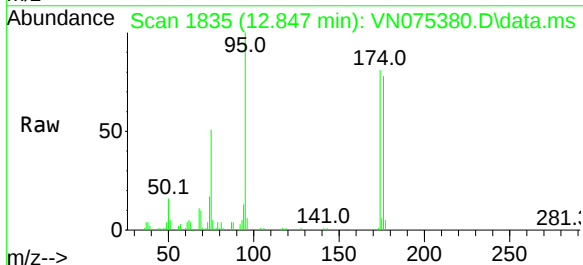
Instrument :
MSVOA_N
ClientSampleId :
MH-83

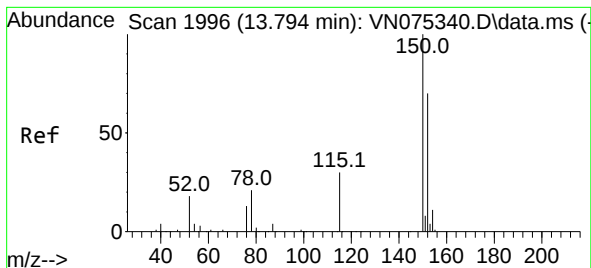
Tgt Ion:117 Resp: 236383
Ion Ratio Lower Upper
117 100
82 50.7 43.1 64.7
119 31.5 25.5 38.3



#71
Bromoform
Concen: 0.350 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075380.D
Acq: 22 Nov 2022 20:06

Tgt Ion:173 Resp: 485
Ion Ratio Lower Upper
173 100
175 748.9 24.6 74.0#
254 0.0 0.0 0.0

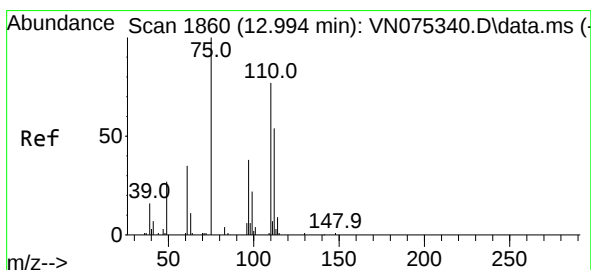
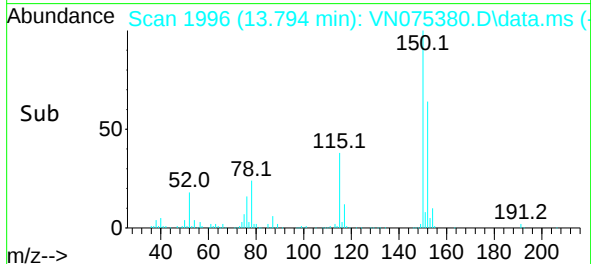
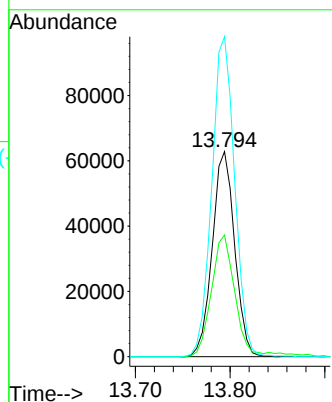
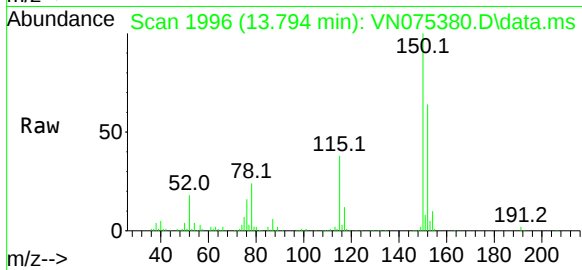




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075380.D
 Acq: 22 Nov 2022 20:06

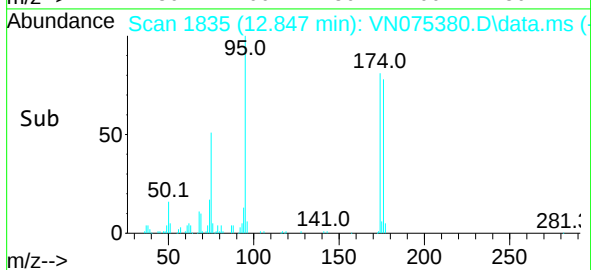
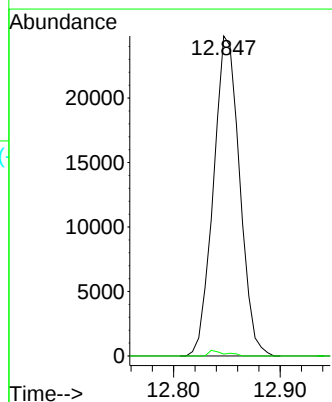
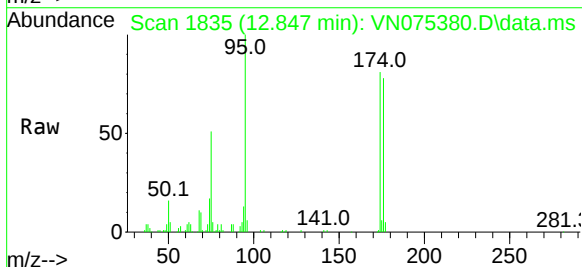
Instrument :
 MSVOA_N
 ClientSampleId :
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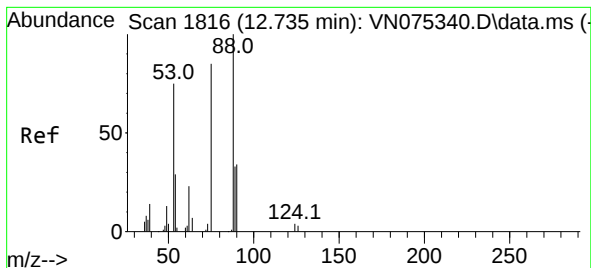
Tgt Ion:152 Resp: 103153
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.2 90.6
 150 159.4 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 21.735 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075380.D
 Acq: 22 Nov 2022 20:06

Tgt Ion: 75 Resp: 42391
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.6 226.8#

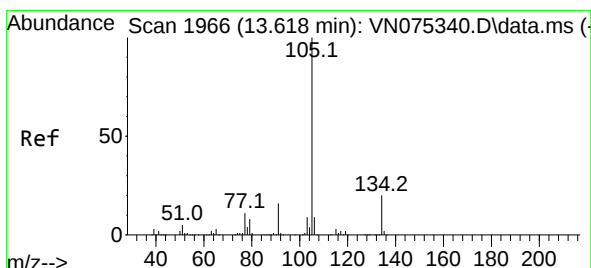
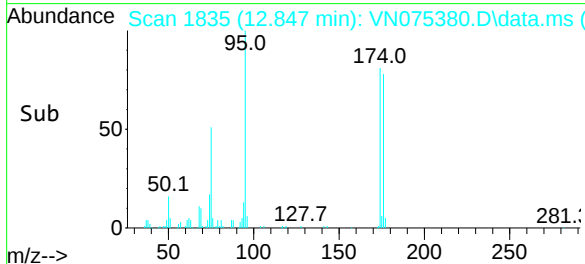
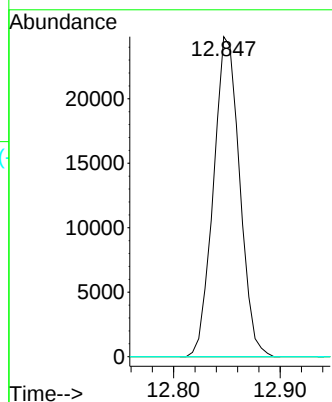
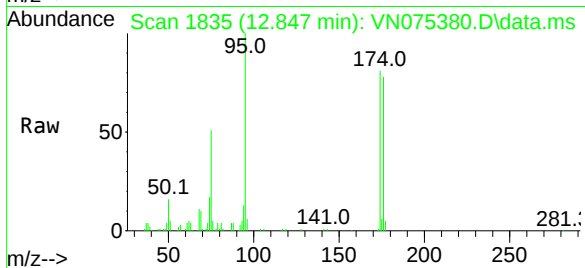




#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.309 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075380.D
 Acq: 22 Nov 2022 20:06

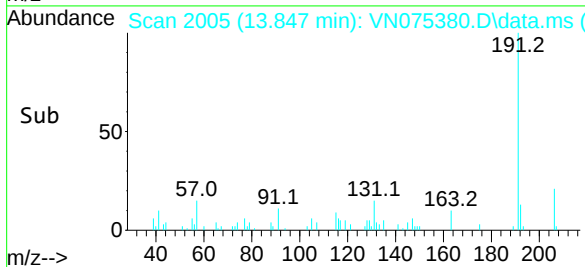
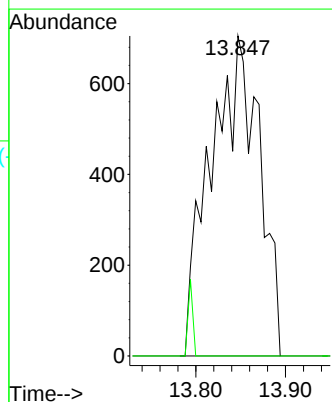
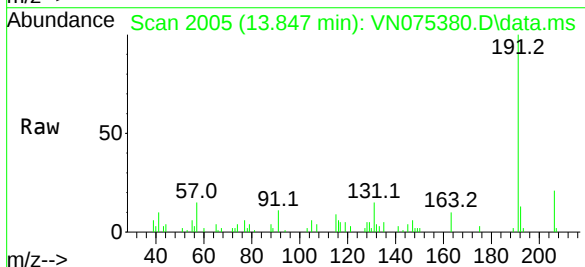
Instrument :
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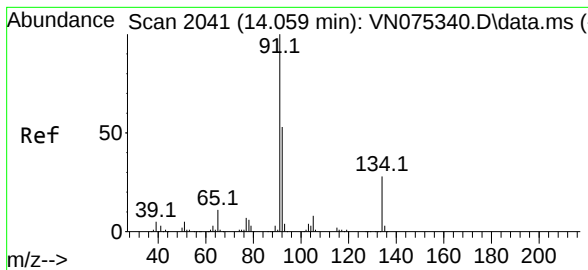
Tgt Ion: 75 Resp: 42391
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#



#85
 sec-Butylbenzene
 Concen: 0.341 ug/l
 RT: 13.847 min Scan# 2005
 Delta R.T. 0.229 min
 Lab File: VN075380.D
 Acq: 22 Nov 2022 20:06

Tgt Ion: 105 Resp: 2642
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6#





#89

n-Butylbenzene

Concen: 1.233 ug/l

RT: 13.853 min Scan# 20

Delta R.T. -0.206 min

Lab File: VN075380.D

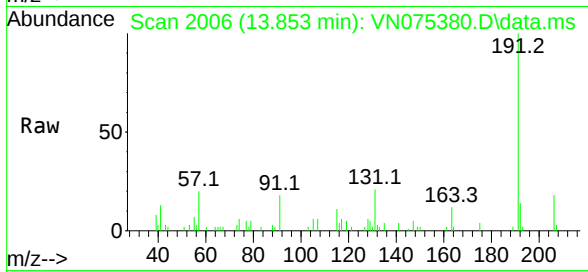
Acq: 22 Nov 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MH-83



Tgt Ion: 91 Resp: 6786

Ion Ratio Lower Upper

91 100

92 1.0 26.5 79.4#

134 0.0 13.0 39.0#

