

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070985.D
 Acq On : 17 Feb 2022 17:33
 Operator : JC\MD
 Sample : N1581-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-118.5T-20220215

Quant Time: Feb 18 00:48:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

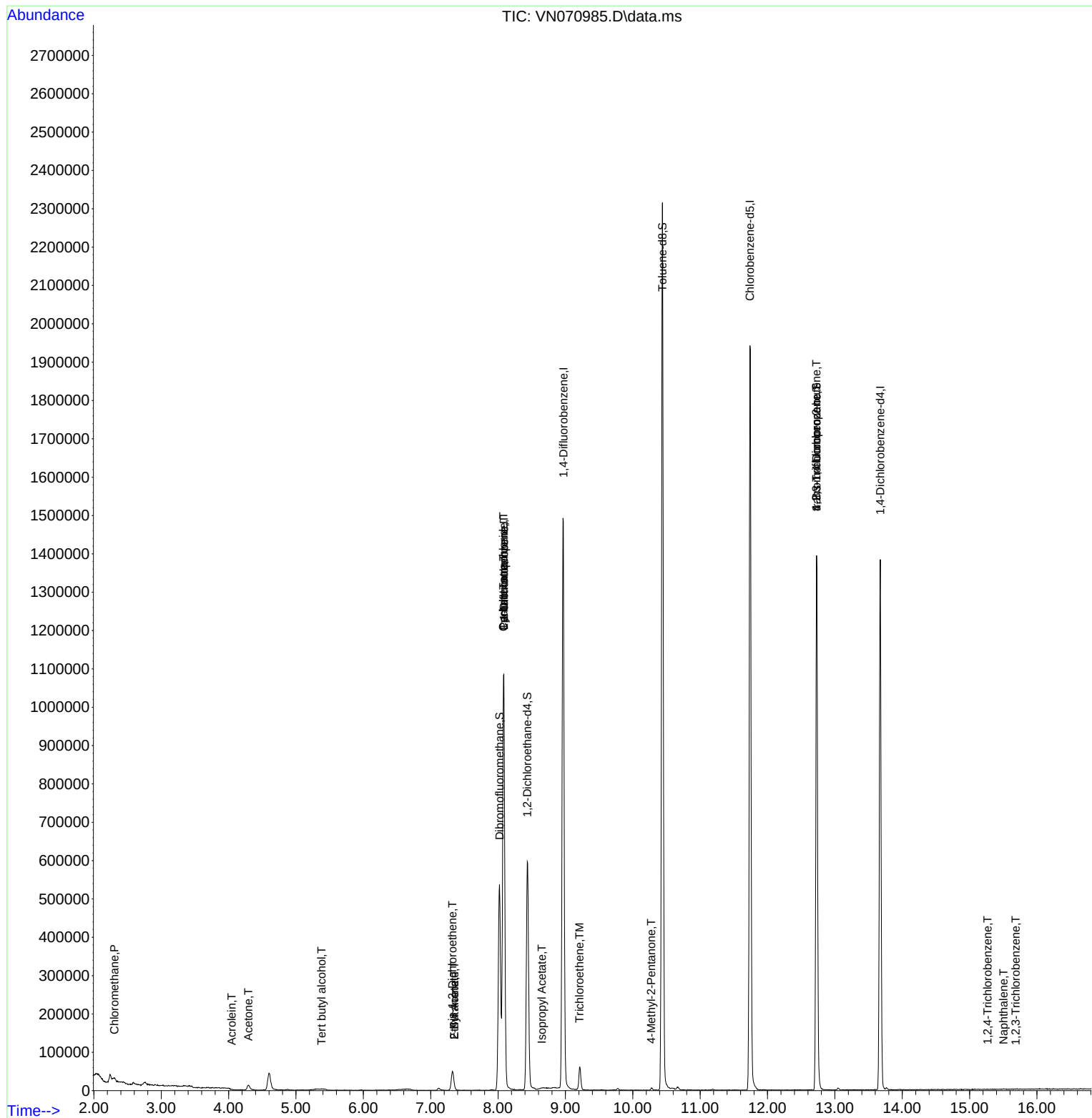
Internal Standards						
1) Pentafluorobenzene	8.087	168	856617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1342566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1171730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	397342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	500855	51.185	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.360%	
35) Dibromofluoromethane	8.022	113	398626	49.918	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.840%	
50) Toluene-d8	10.439	98	1600982	49.922	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.727	95	503149	43.893	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 87.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2557	0.229	ug/l	100
11) Tert butyl alcohol	5.381	59	672	0.377	ug/l #	71
13) Acrolein	4.046	56	641	0.402	ug/l	98
16) Acetone	4.293	43	20387	3.783	ug/l #	87
18) Methyl Acetate	4.869	43	3513	Below Cal	#	62
25) 2-Butanone	7.351	43	2816	0.393	ug/l #	48
27) cis-1,2-Dichloroethene	7.322	96	29785	2.879	ug/l	93
31) Cyclohexane	8.081	56	16369	0.967	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	62547	4.781	ug/l #	49
37) Ethyl Acetate	7.351	43	2816	0.201	ug/l #	68
38) Carbon Tetrachloride	8.081	117	81568	6.328	ug/l #	17
43) Isopropyl Acetate	8.651	43	5132	0.232	ug/l #	55
44) Trichloroethene	9.210	130	23079	2.265	ug/l	91
51) 4-Methyl-2-Pentanone	10.275	43	3577	0.266	ug/l #	37
76) 1,2,3-Trichloropropane	12.727	75	252467	26.986	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	252467	87.447	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	121	2.015	ug/l #	45
95) Naphthalene	15.504	128	1454	5.063	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.686	180	80	2.527	ug/l #	1

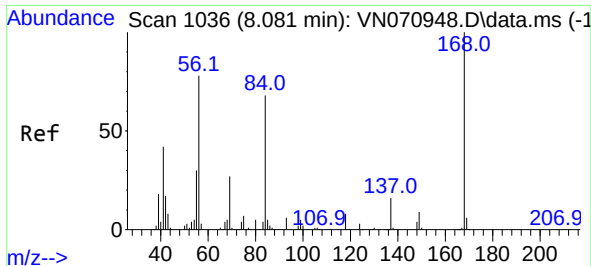
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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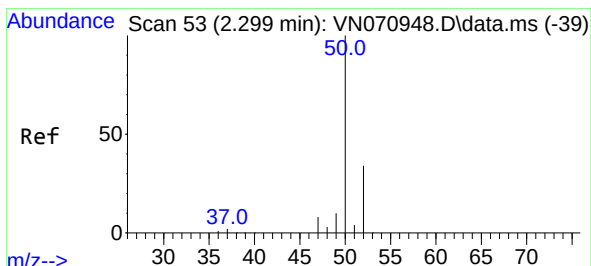
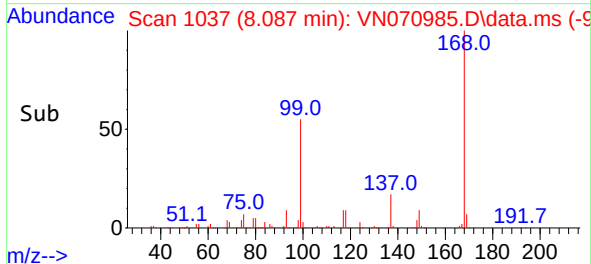
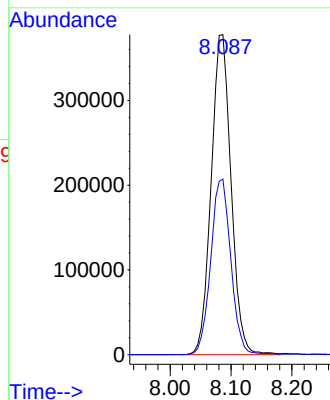
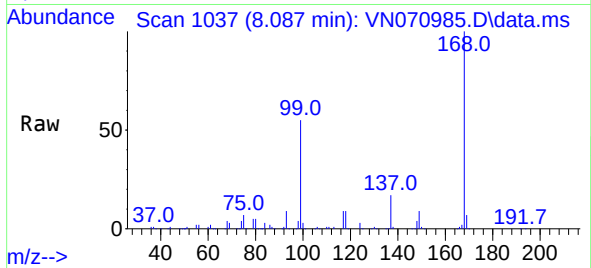




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

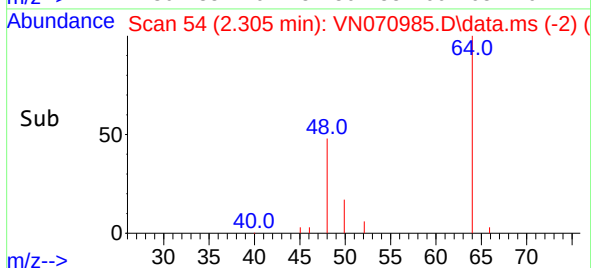
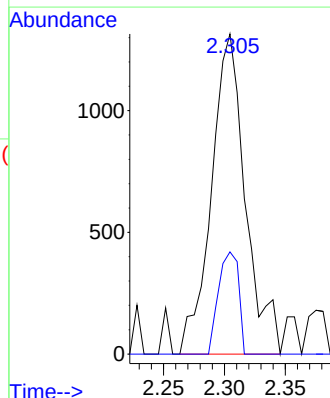
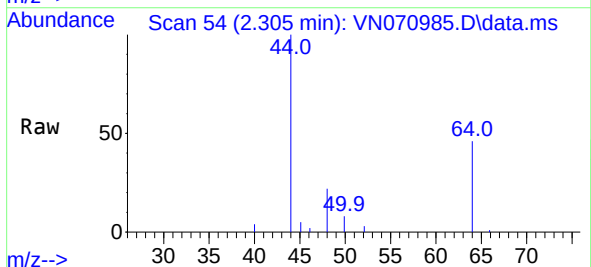
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5T-20220215

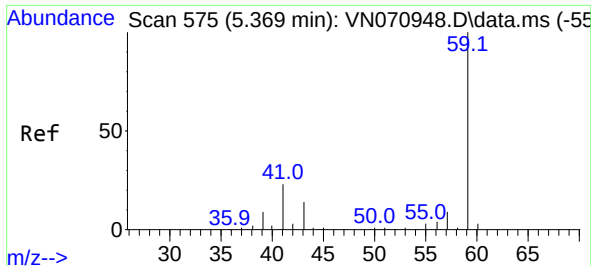
Tgt Ion:168 Resp: 856617
Ion Ratio Lower Upper
168 100
99 54.8 41.3 61.9



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion: 50 Resp: 2557
Ion Ratio Lower Upper
50 100
52 31.9 25.4 38.0





#11

Tert butyl alcohol

Concen: 0.377 ug/l

RT: 5.381 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN070985.D

Acq: 17 Feb 2022 17:33

Instrument :

MSVOA_N

ClientSampleId :

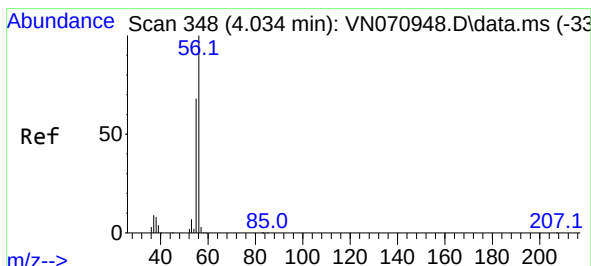
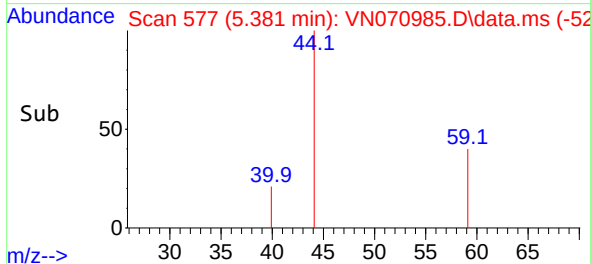
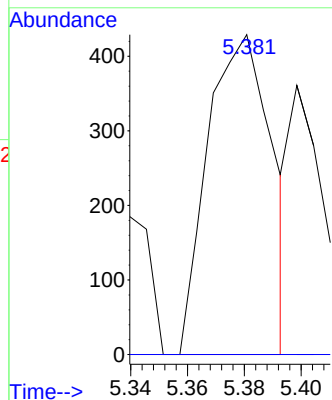
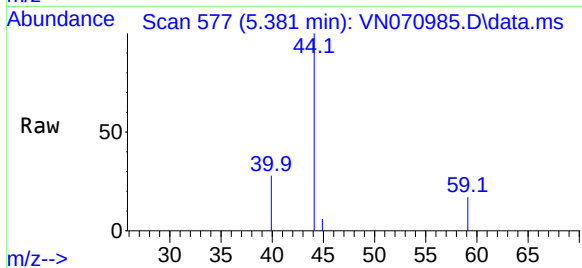
MH-118.5T-20220215

Tgt Ion: 59 Resp: 672

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.402 ug/l

RT: 4.046 min Scan# 350

Delta R.T. 0.012 min

Lab File: VN070985.D

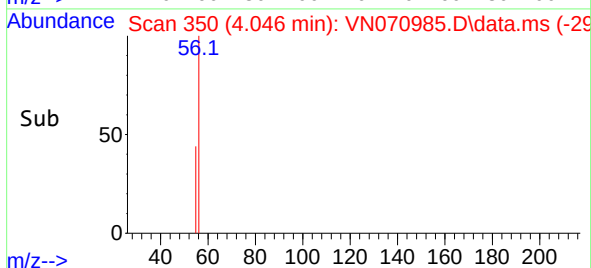
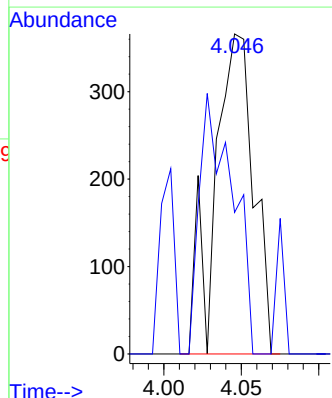
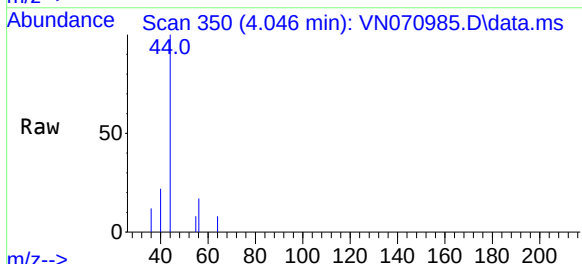
Acq: 17 Feb 2022 17:33

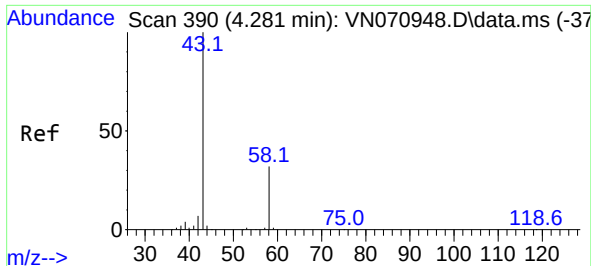
Tgt Ion: 56 Resp: 641

Ion Ratio Lower Upper

56 100

55 69.4 56.6 85.0

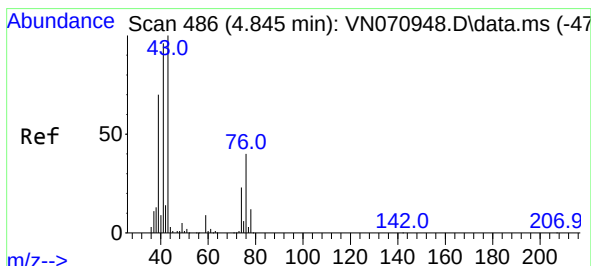
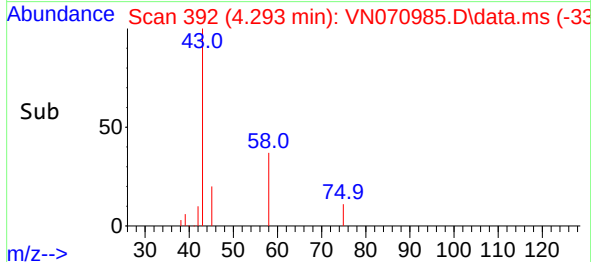
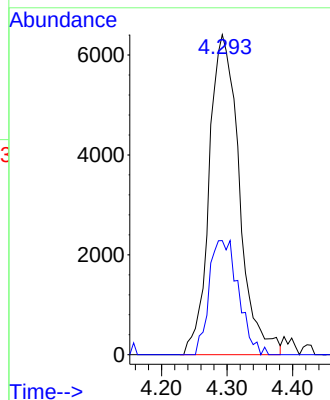
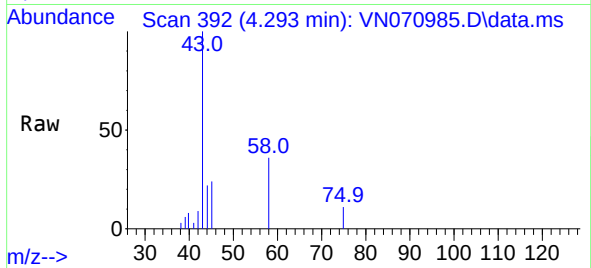




#16
Acetone
Concen: 3.783 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

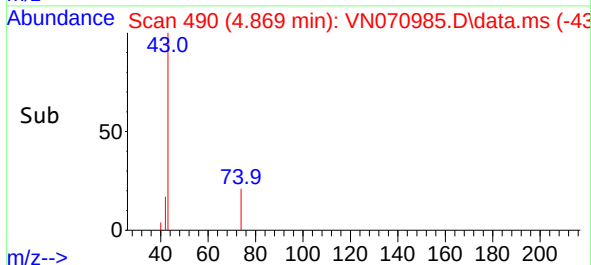
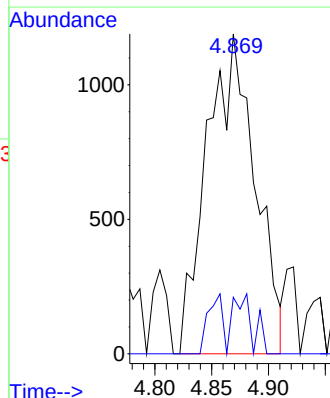
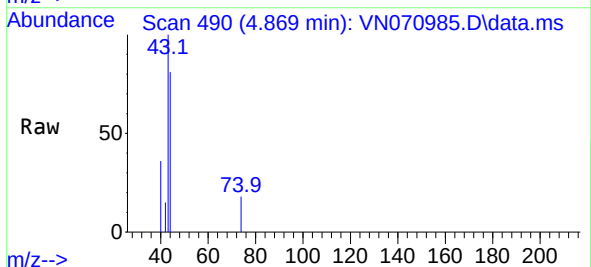
Instrument :
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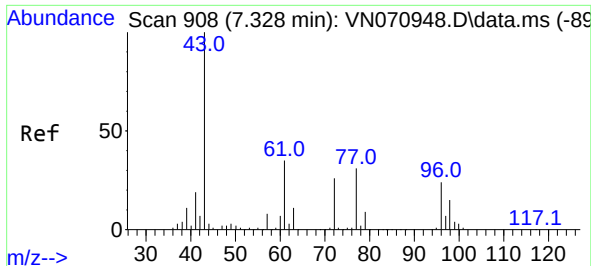
Tgt Ion: 43 Resp: 20387
Ion Ratio Lower Upper
43 100
58 35.7 23.1 34.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion: 43 Resp: 3513
Ion Ratio Lower Upper
43 100
74 5.6 19.4 29.2#

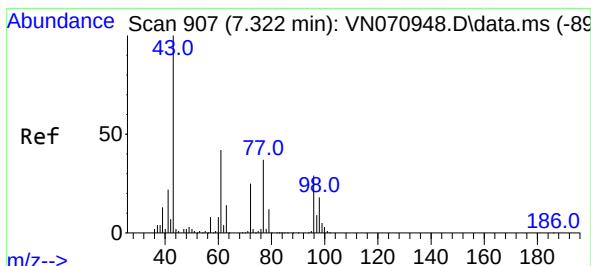
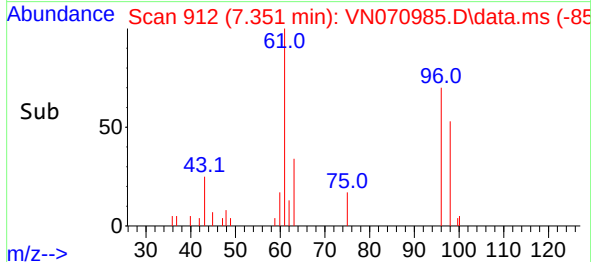
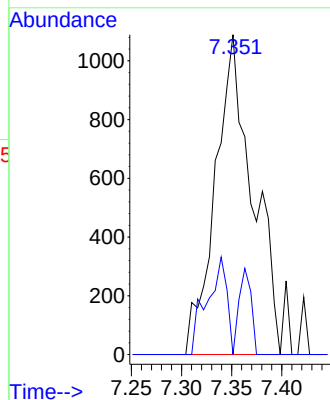
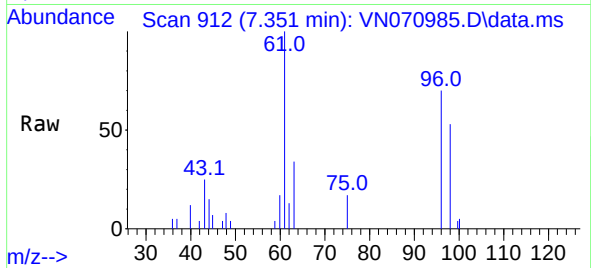




#25
2-Butanone
Concen: 0.393 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.024 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

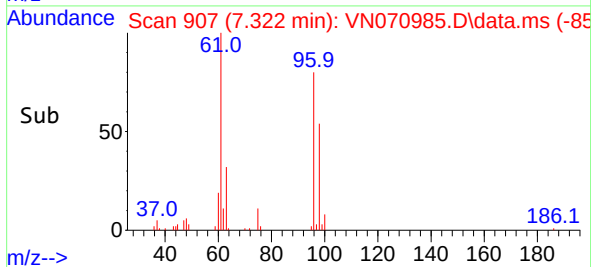
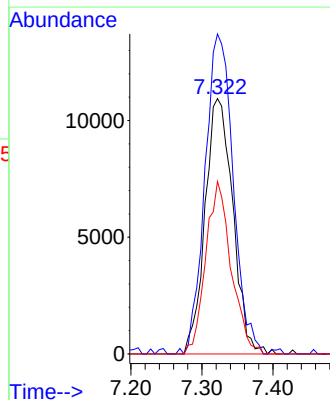
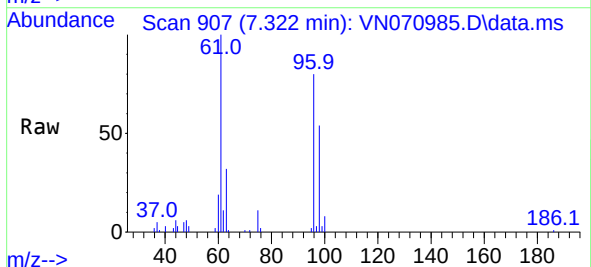
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5T-20220215

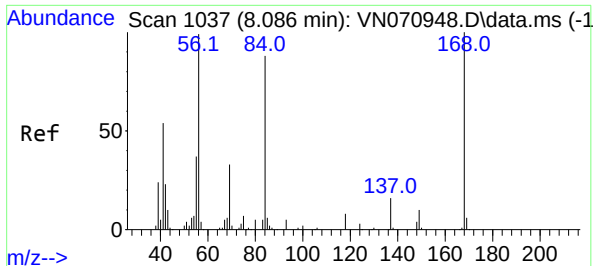
Tgt Ion: 43 Resp: 2816
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#27
cis-1,2-Dichloroethene
Concen: 2.879 ug/l
RT: 7.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion: 96 Resp: 29785
Ion Ratio Lower Upper
96 100
61 126.7 0.0 275.0
98 61.8 0.0 129.6





#31

Cyclohexane

Concen: 0.967 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN070985.D

Acq: 17 Feb 2022 17:33

Instrument :

MSVOA_N

ClientSampleId :

MH-118.5T-20220215

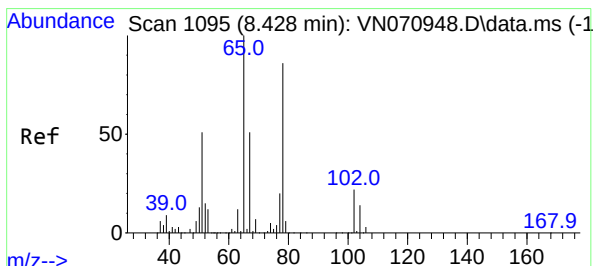
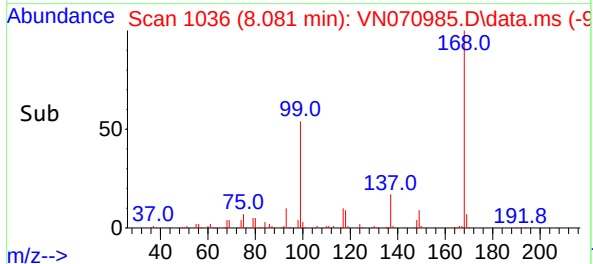
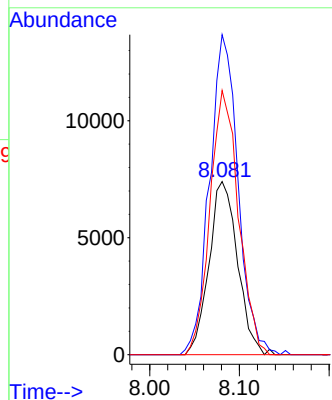
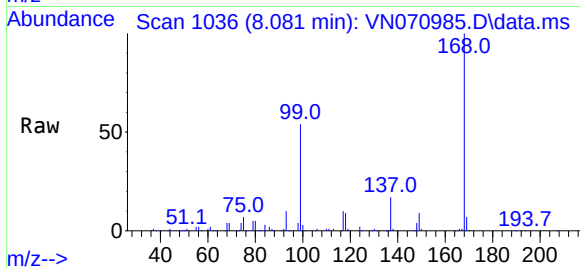
Tgt Ion: 56 Resp: 16369

Ion Ratio Lower Upper

56 100

69 184.9 27.1 40.7#

84 152.7 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 51.185 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN070985.D

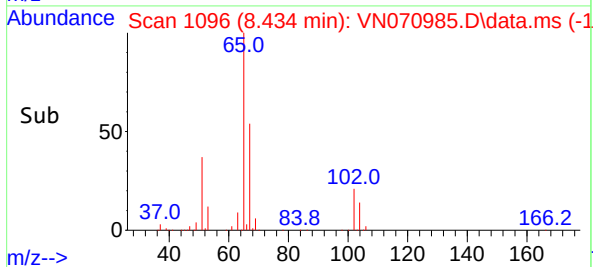
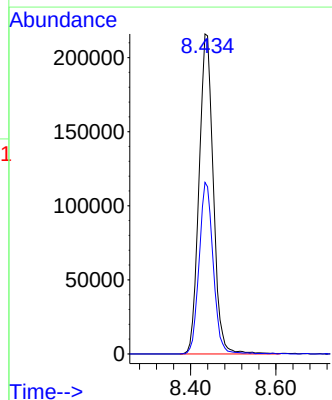
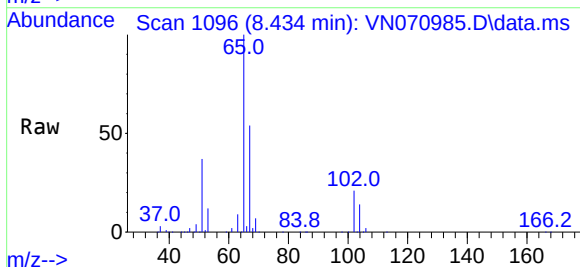
Acq: 17 Feb 2022 17:33

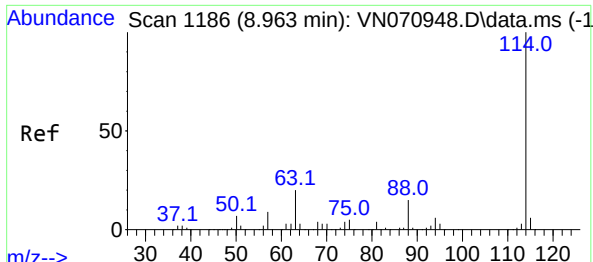
Tgt Ion: 65 Resp: 500855

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0

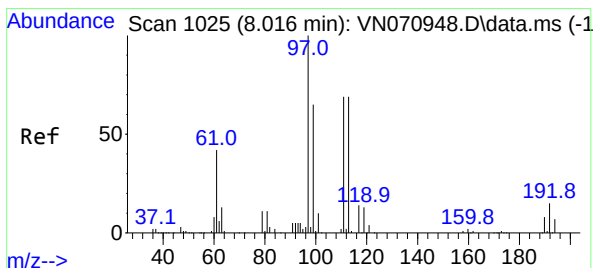
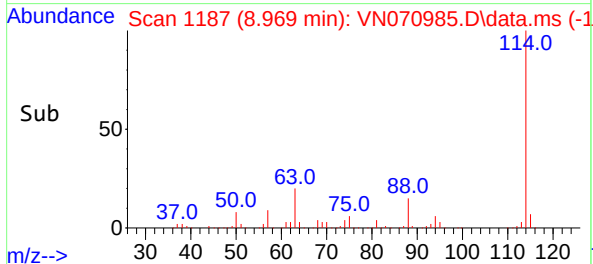
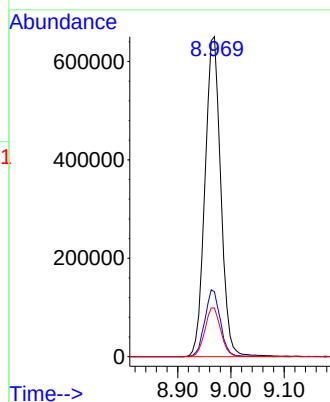
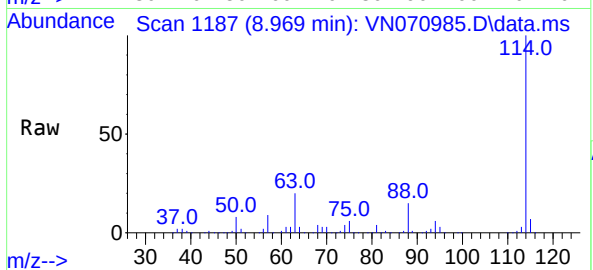




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1186
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

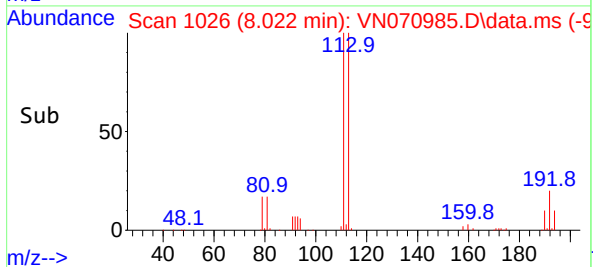
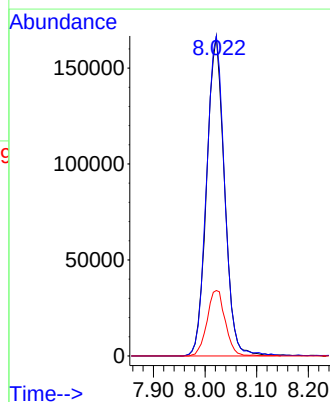
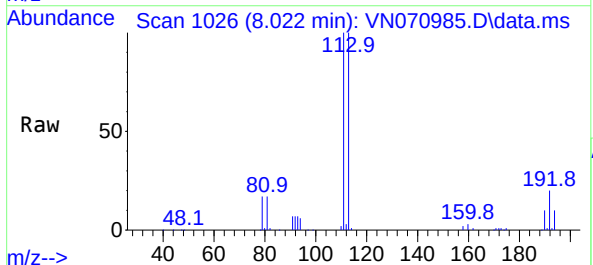
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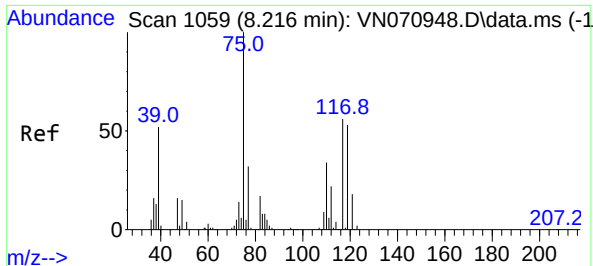
Tgt Ion:114 Resp: 1342566
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.8
88 15.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.918 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion:113 Resp: 398626
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 21.0 16.9 25.3

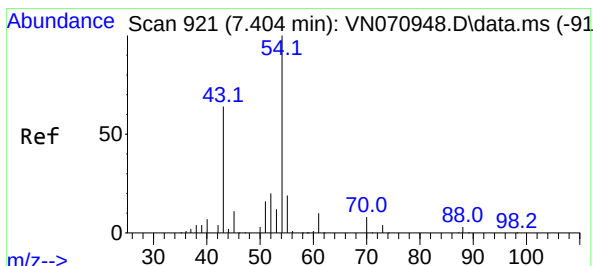
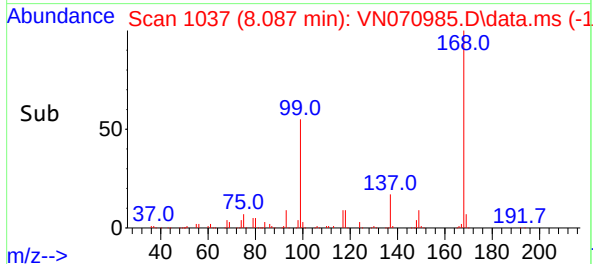
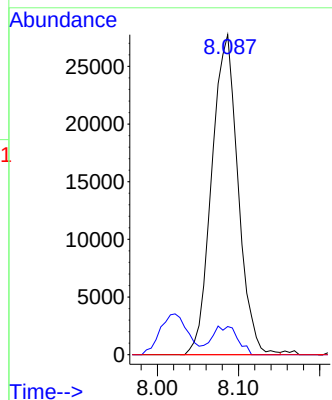
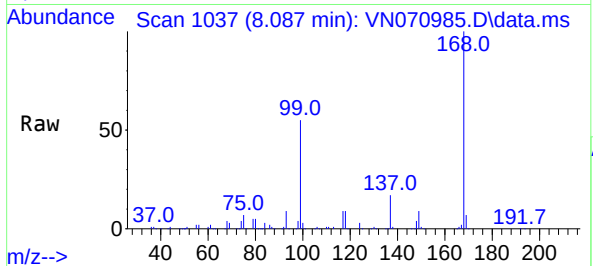




#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 8.087 min Scan# 11
Delta R.T. -0.129 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

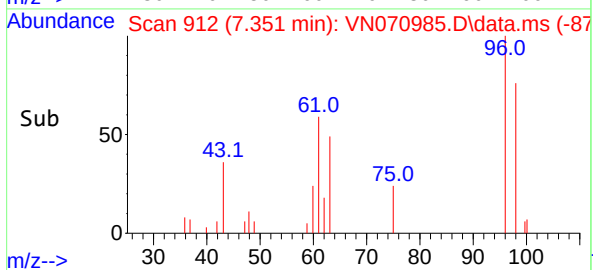
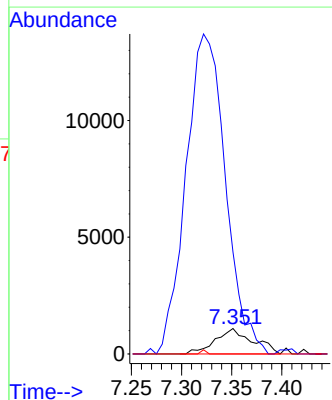
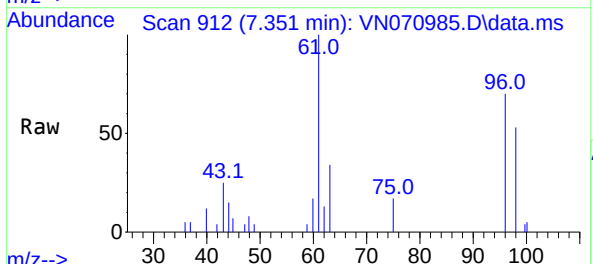
Instrument :
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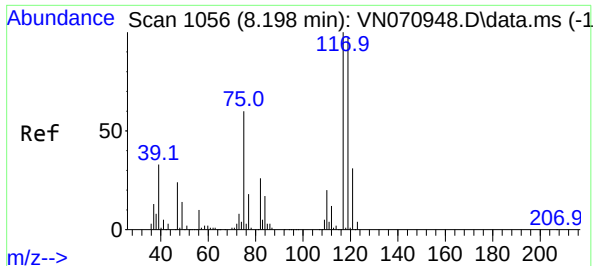
Tgt Ion: 75 Resp: 62547
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.201 ug/l
RT: 7.351 min Scan# 912
Delta R.T. -0.053 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

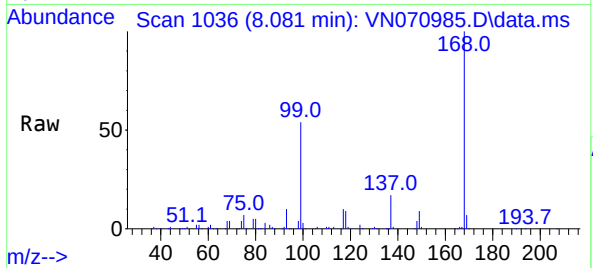
Tgt Ion: 43 Resp: 2816
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



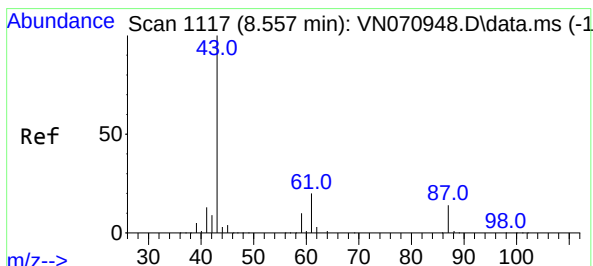
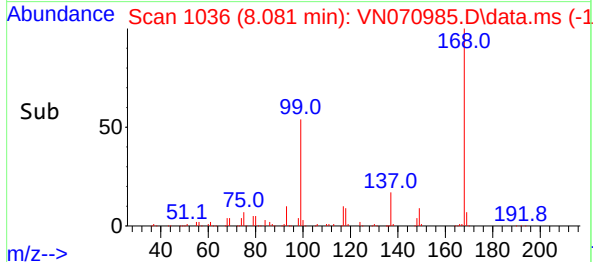
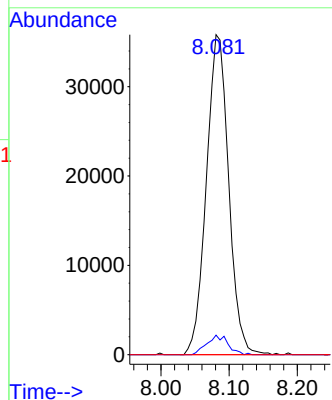


#38
Carbon Tetrachloride
Concen: 6.328 ug/l
RT: 8.081 min Scan# 11036
Delta R.T. -0.118 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

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MSVOA_N
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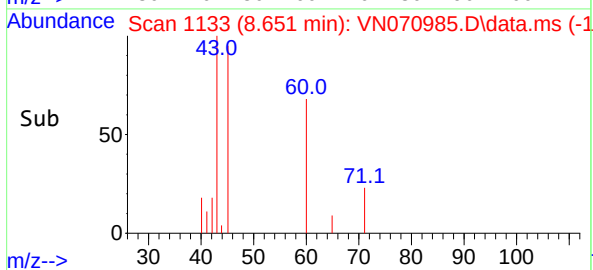
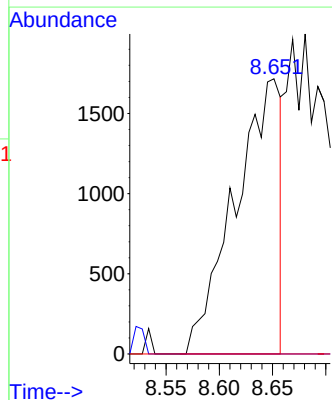
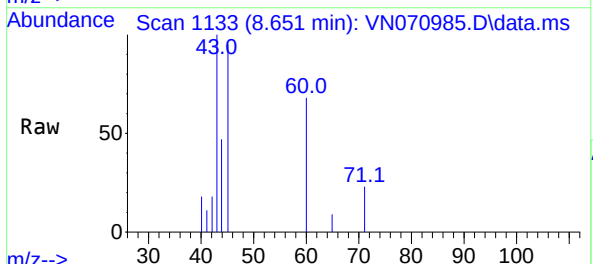


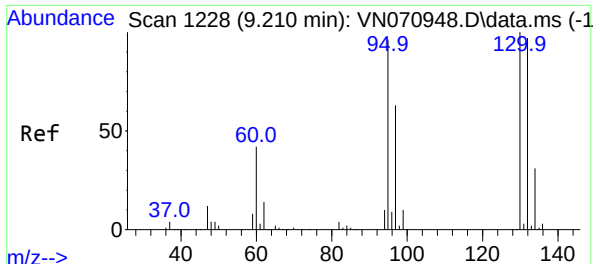
Tgt Ion:117 Resp: 81568
Ion Ratio Lower Upper
117 100
119 6.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.232 ug/l
RT: 8.651 min Scan# 1133
Delta R.T. 0.094 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion: 43 Resp: 5132
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

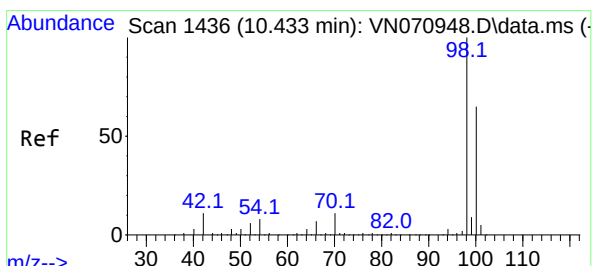
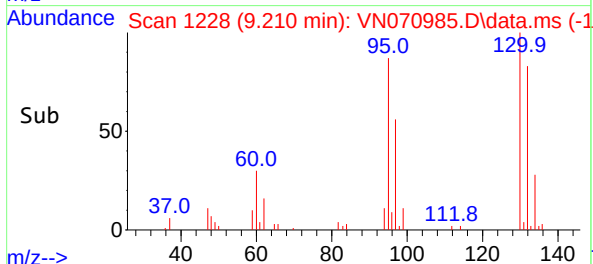
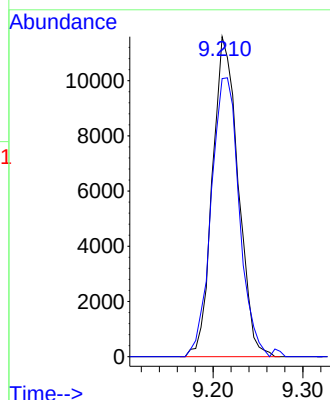
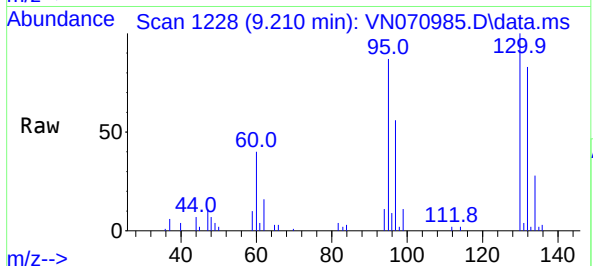




#44
Trichloroethene
Concen: 2.265 ug/l
RT: 9.210 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

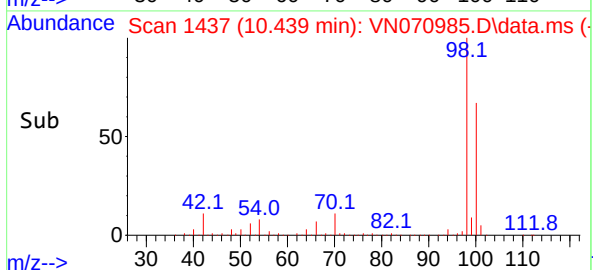
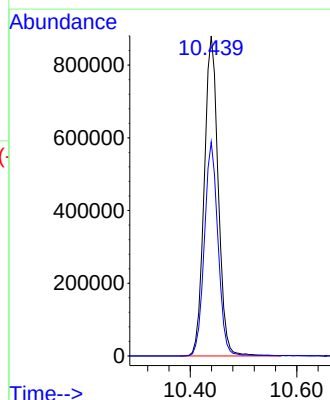
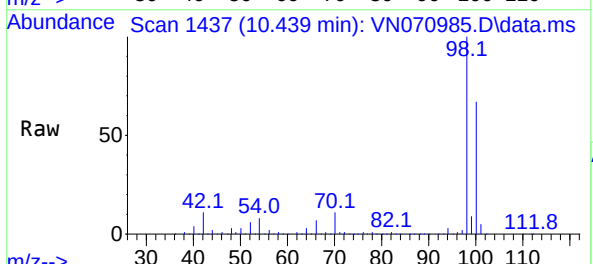
Instrument :
MSVOA_N
ClientSampleId :
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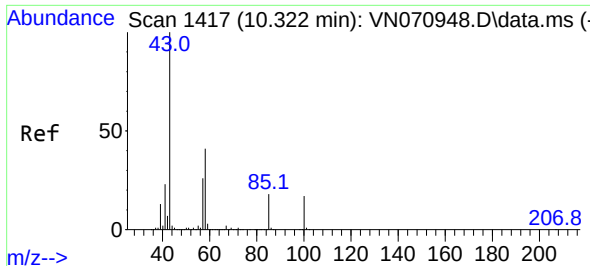
Tgt Ion:130 Resp: 23079
Ion Ratio Lower Upper
130 100
95 86.9 0.0 191.2



#50
Toluene-d8
Concen: 49.922 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion: 98 Resp: 1600982
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6

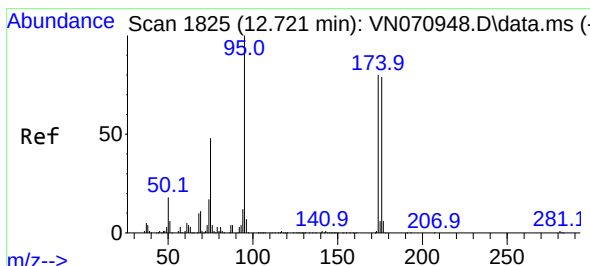
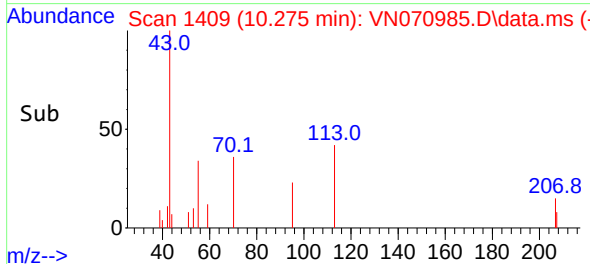
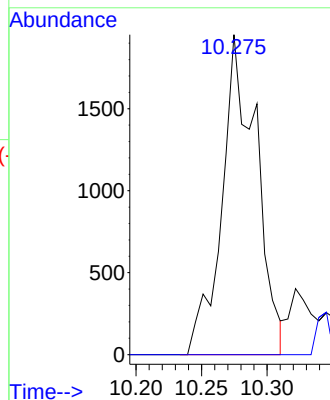
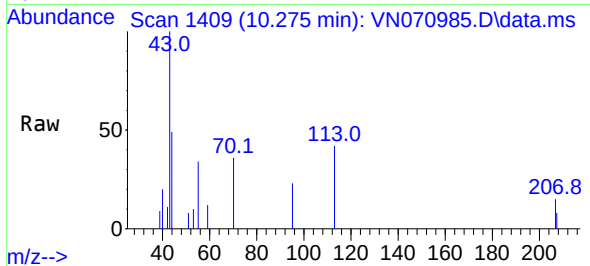




#51
4-Methyl-2-Pentanone
Concen: 0.266 ug/l
RT: 10.275 min Scan# 1417
Delta R.T. -0.047 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

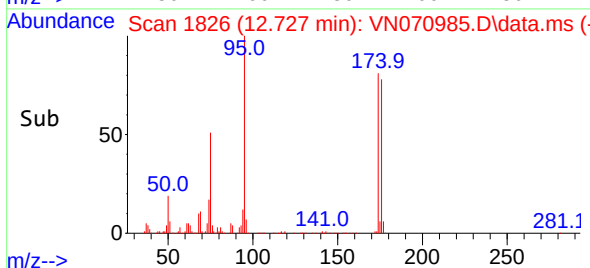
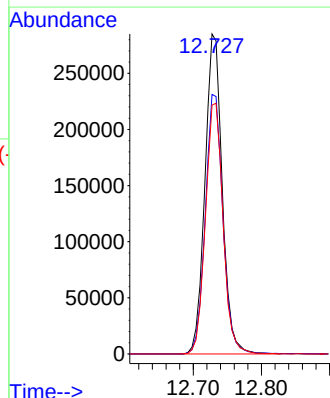
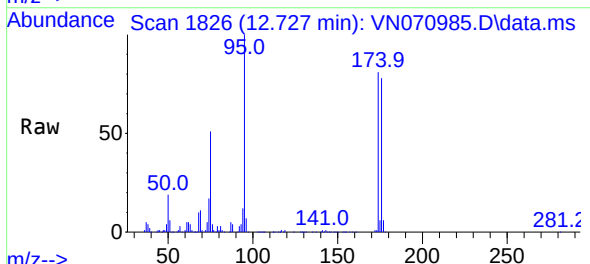
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5T-20220215

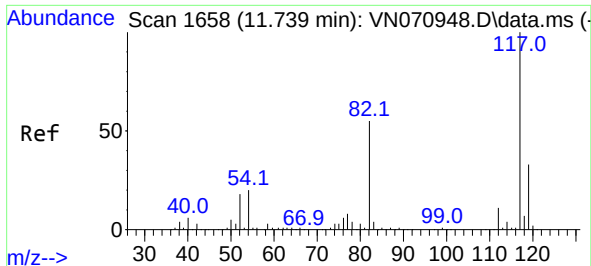
Tgt Ion: 43 Resp: 3577
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 43.893 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion: 95 Resp: 503149
Ion Ratio Lower Upper
95 100
174 82.8 0.0 187.2
176 79.9 0.0 181.4

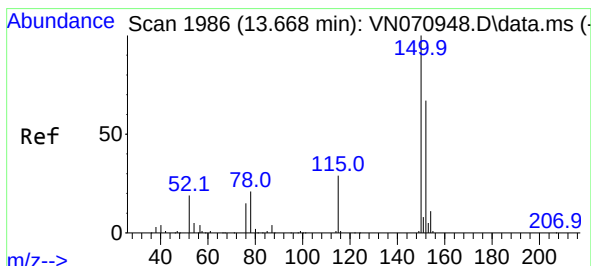
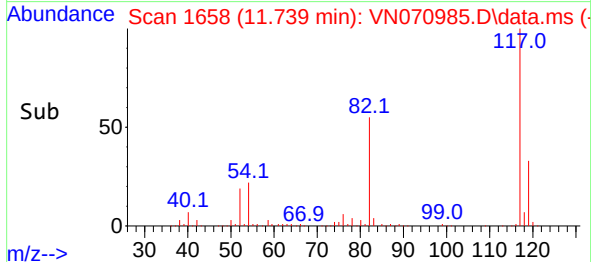
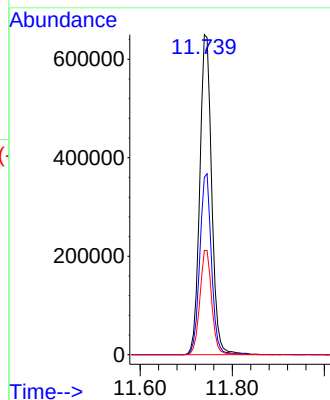
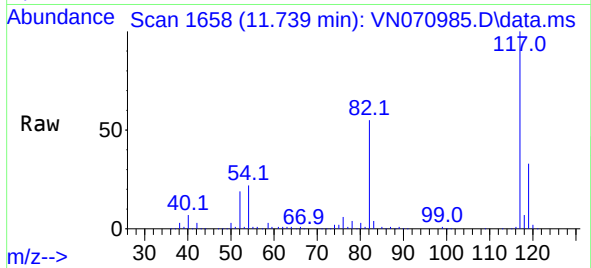




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

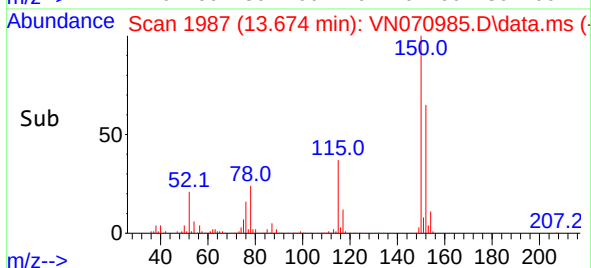
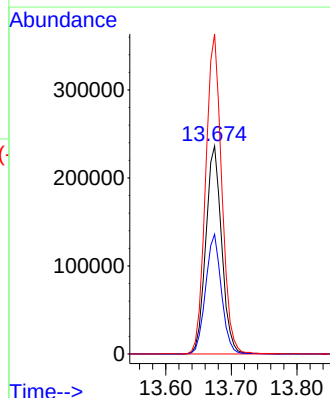
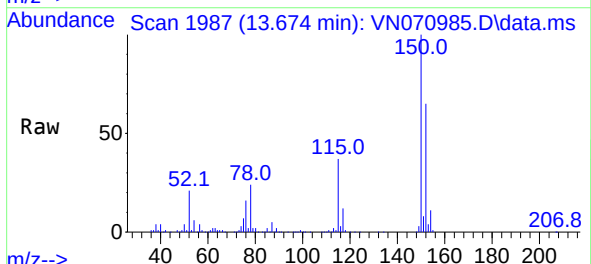
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5T-20220215

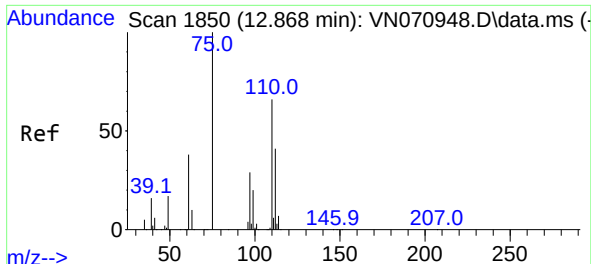
Tgt Ion:117 Resp: 1171730
Ion Ratio Lower Upper
117 100
82 55.4 42.4 63.6
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion:152 Resp: 397342
Ion Ratio Lower Upper
152 100
115 57.6 27.5 82.5
150 156.1 0.0 344.4

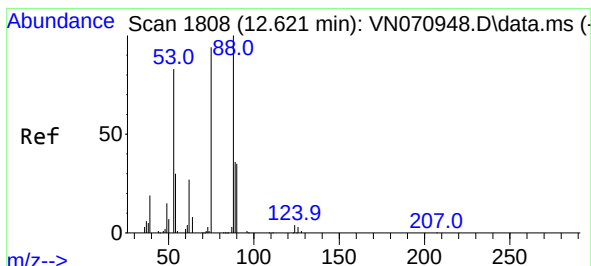
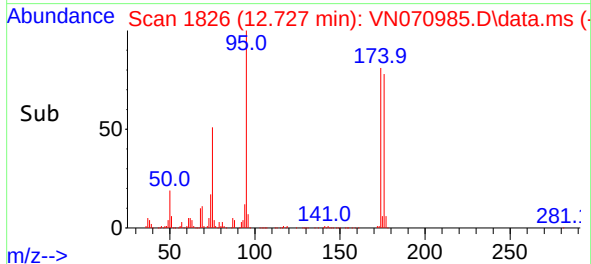
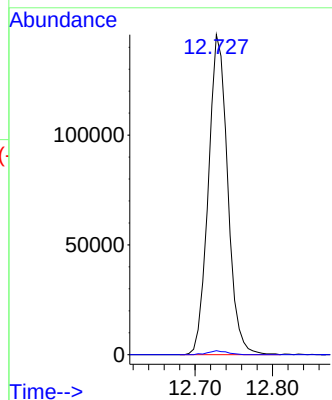
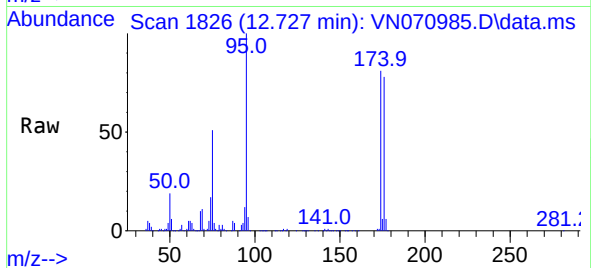




#76
1,2,3-Trichloropropane
Concen: 26.986 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

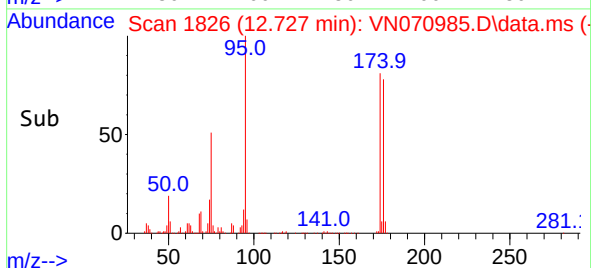
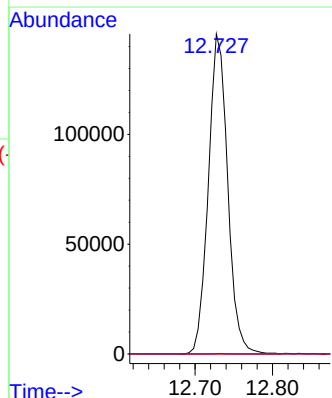
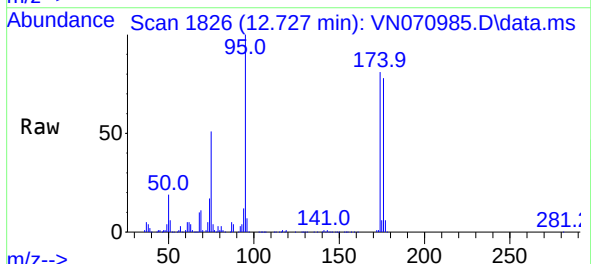
Instrument :
MSVOA_N
ClientSampleId :
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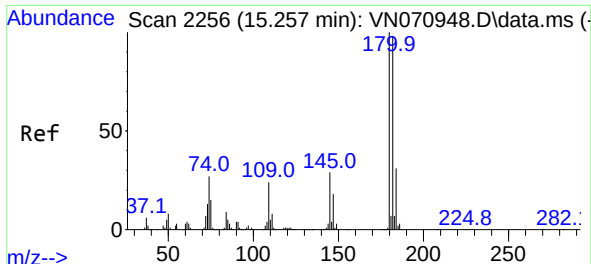
Tgt Ion: 75 Resp: 252467
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.447 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion: 75 Resp: 252467
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

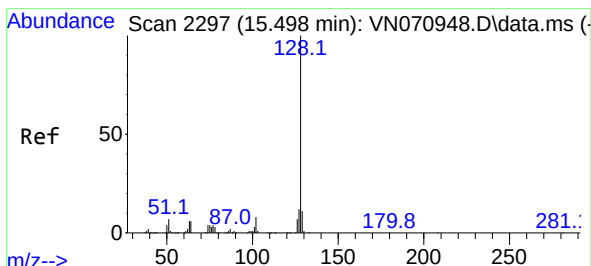
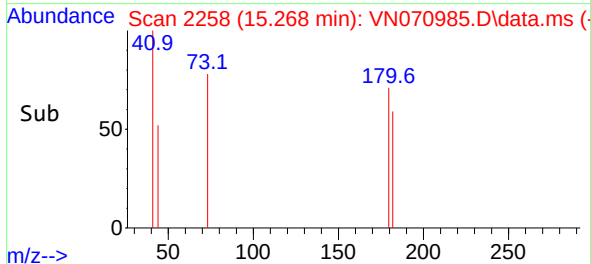
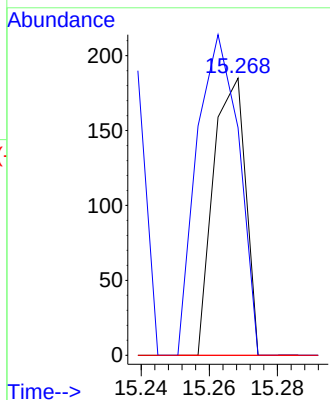
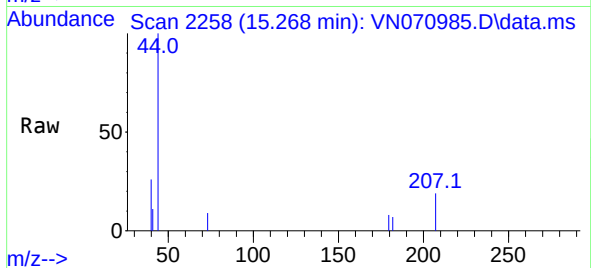




#93
1,2,4-Trichlorobenzene
Concen: 2.015 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

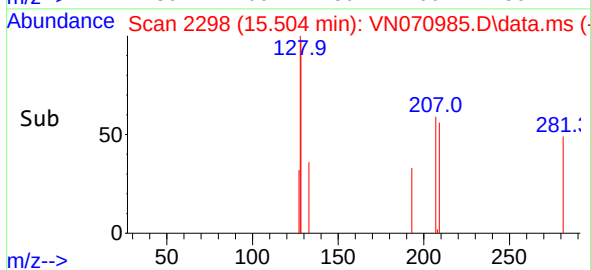
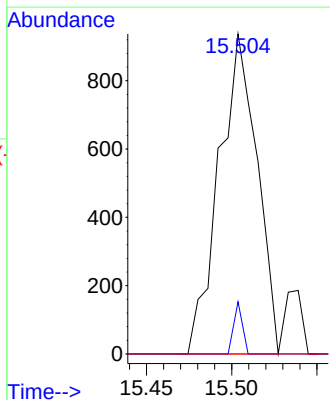
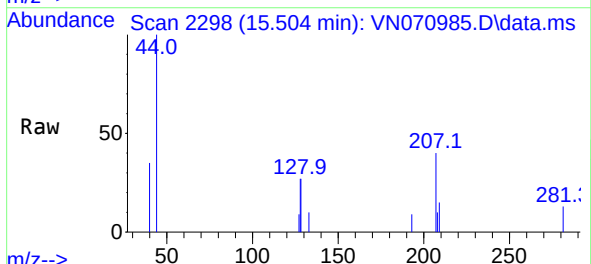
Instrument :
MSVOA_N
ClientSampleId :
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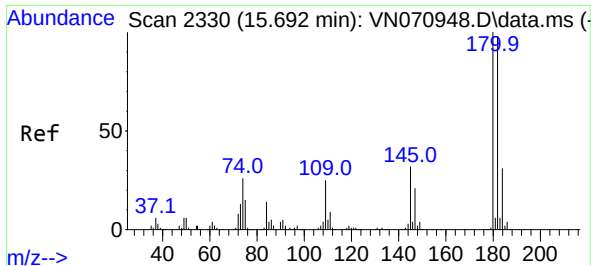
Tgt Ion:180 Resp: 121
Ion Ratio Lower Upper
180 100
182 151.2 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.063 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN070985.D
Acq: 17 Feb 2022 17:33

Tgt Ion:128 Resp: 1454
Ion Ratio Lower Upper
128 100
127 3.7 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.527 ug/l

RT: 15.686 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN070985.D

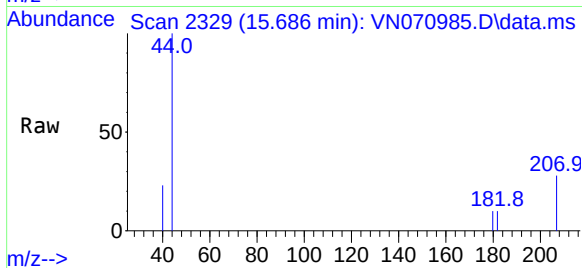
Acq: 17 Feb 2022 17:33

Instrument :

MSVOA_N

ClientSampleId :

MH-118.5T-20220215



Tgt Ion:180 Resp: 80

Ion Ratio Lower Upper

180 100

182 488.8 47.4 142.2#

145 0.0 15.0 45.1#

