

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070986.D
 Acq On : 17 Feb 2022 17:58
 Operator : JC\MD
 Sample : N1581-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-121.5N-20220215

Quant Time: Feb 18 00:48:52 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)

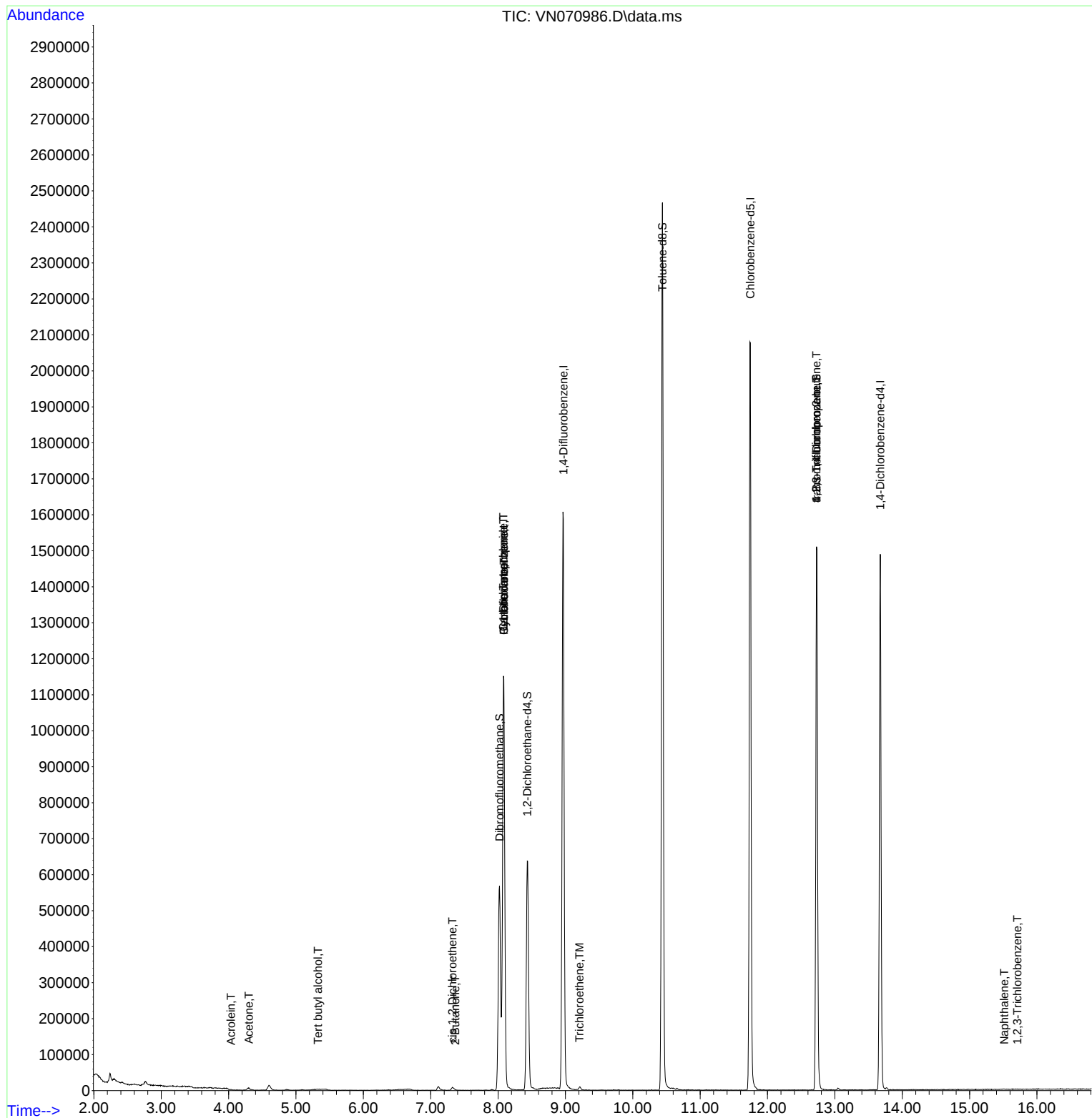
Internal Standards						
1) Pentafluorobenzene	8.086	168	917369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1425506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1274088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	426925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	530771	50.650	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.300%			
35) Dibromofluoromethane	8.022	113	421595	49.723	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.440%			
50) Toluene-d8	10.439	98	1709615	50.208	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.420%			
62) 4-Bromofluorobenzene	12.727	95	554059	45.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.040%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.328	59	603	0.316	ug/l #	71
13) Acrolein	4.034	56	487	0.285	ug/l #	67
16) Acetone	4.298	43	5552	0.962	ug/l	92
18) Methyl Acetate	4.857	43	3679	Below Cal	#	64
25) 2-Butanone	7.363	43	2560	0.333	ug/l #	86
27) cis-1,2-Dichloroethene	7.322	96	4164	0.376	ug/l	87
31) Cyclohexane	8.086	56	18212	1.005	ug/l #	8
36) 1,1-Dichloropropene	8.081	75	67685	4.872	ug/l #	49
38) Carbon Tetrachloride	8.081	117	86628	6.329	ug/l #	16
44) Trichloroethene	9.210	130	3156	0.292	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	275278	27.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	275278	88.741	ug/l #	5
95) Naphthalene	15.515	128	1101	5.042	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.709	180	62	2.524	ug/l #	69

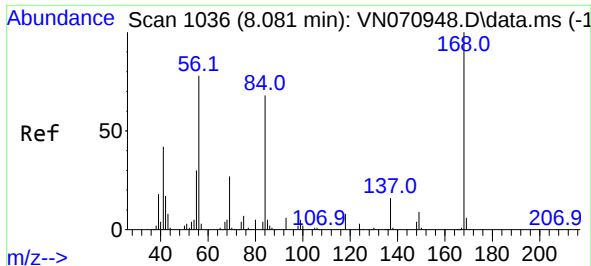
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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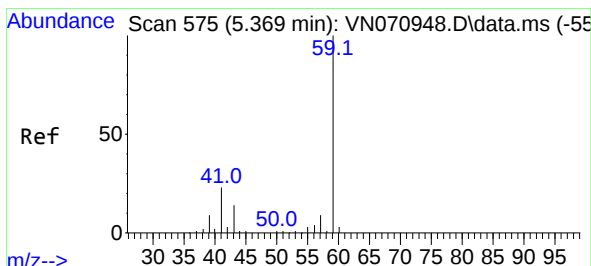
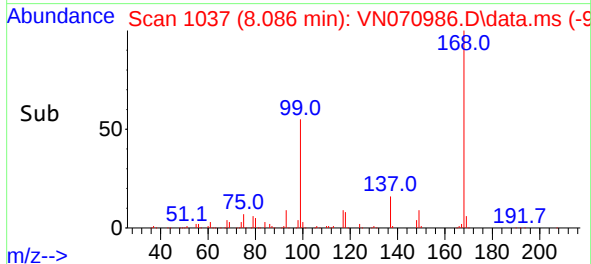
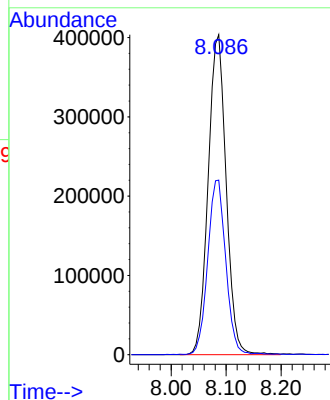
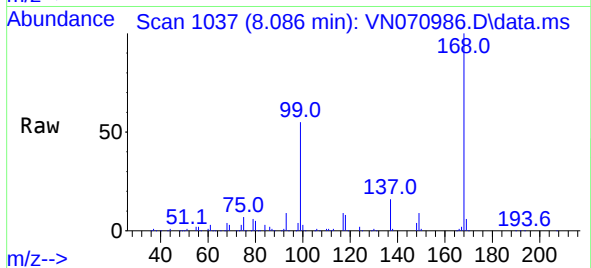




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

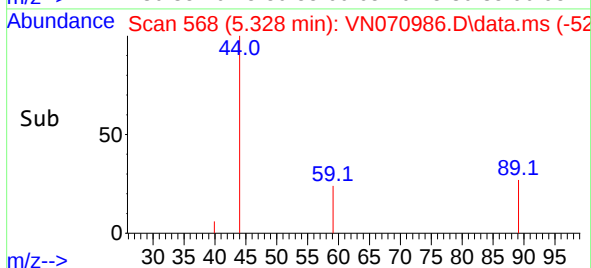
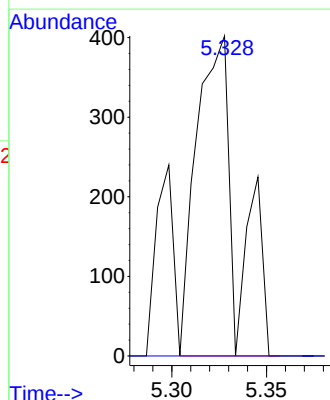
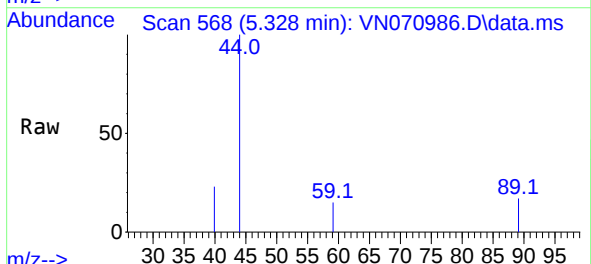
Instrument :
MSVOA_N
ClientSampleId :
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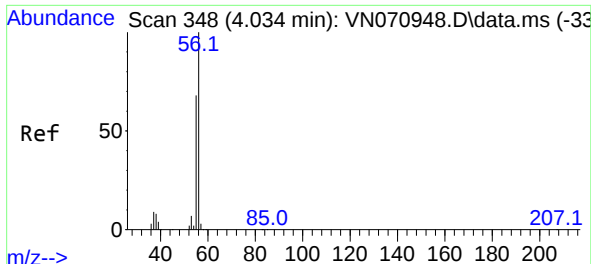
Tgt Ion:168 Resp: 917369
Ion Ratio Lower Upper
168 100
99 54.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.316 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.041 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion: 59 Resp: 603
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

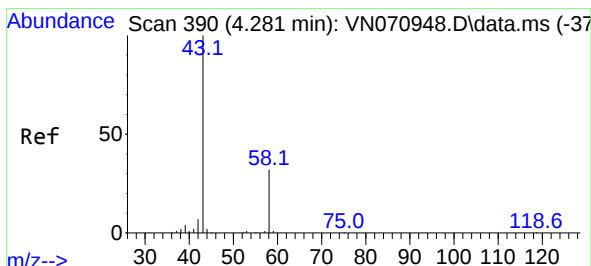
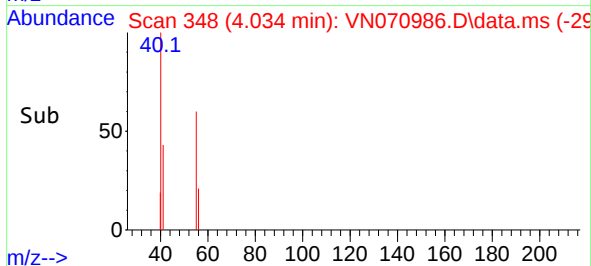
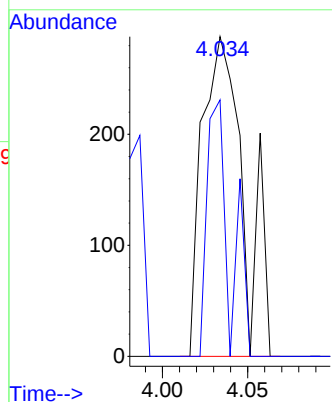
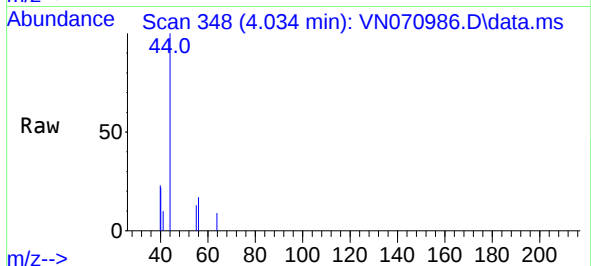




#13
Acrolein
Concen: 0.285 ug/l
RT: 4.034 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

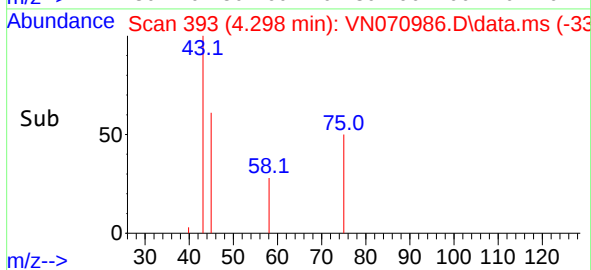
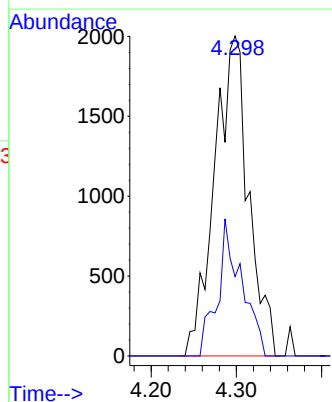
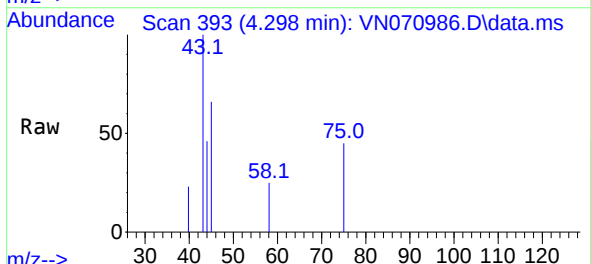
Instrument :
MSVOA_N
ClientSampleId :
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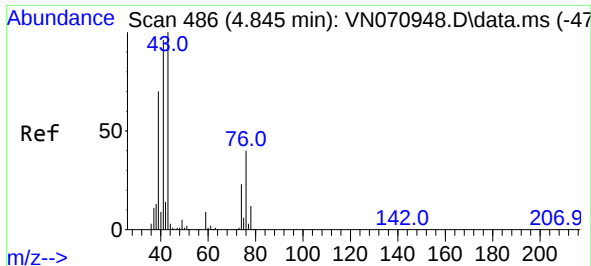
Tgt Ion: 56 Resp: 487
Ion Ratio Lower Upper
56 100
55 43.9 56.6 85.0#



#16
Acetone
Concen: 0.962 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion: 43 Resp: 5552
Ion Ratio Lower Upper
43 100
58 24.8 23.1 34.7

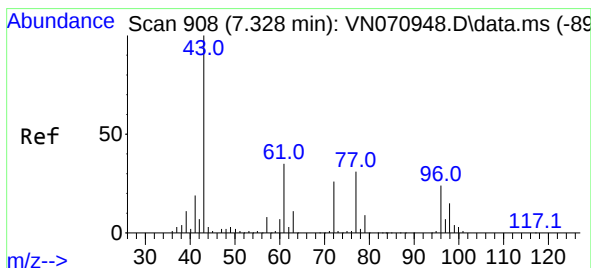
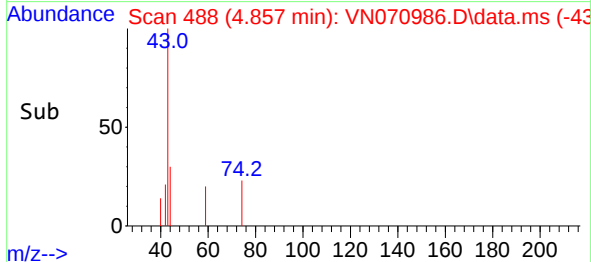
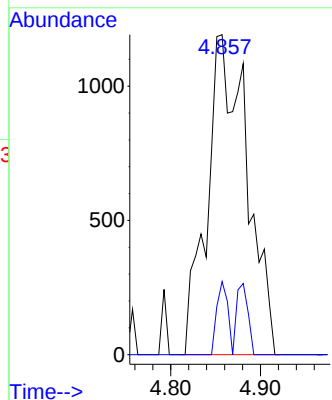
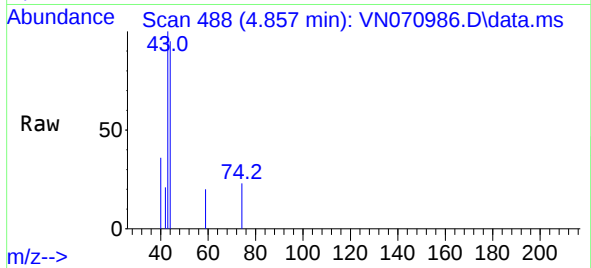




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

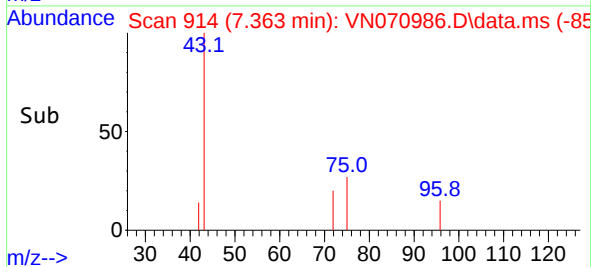
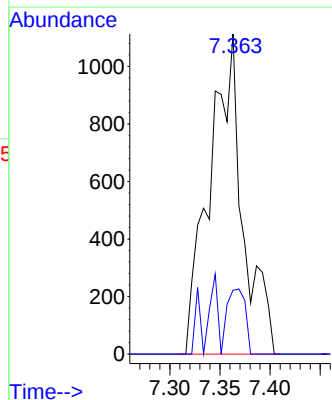
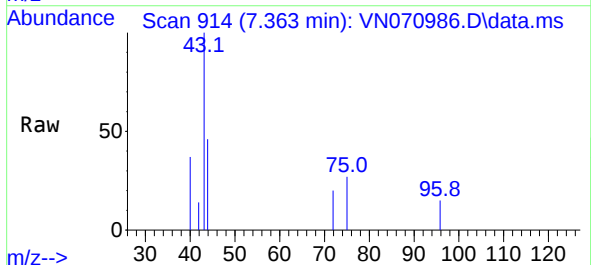
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5N-20220215

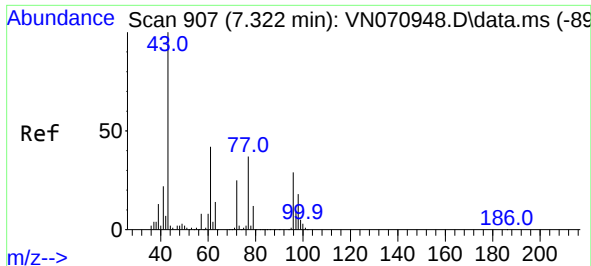
Tgt Ion: 43 Resp: 3679
Ion Ratio Lower Upper
43 100
74 6.2 19.4 29.2#



#25
2-Butanone
Concen: 0.333 ug/l
RT: 7.363 min Scan# 914
Delta R.T. 0.035 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion: 43 Resp: 2560
Ion Ratio Lower Upper
43 100
72 19.9 21.7 32.5#

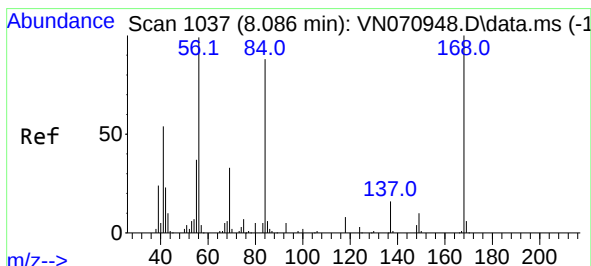
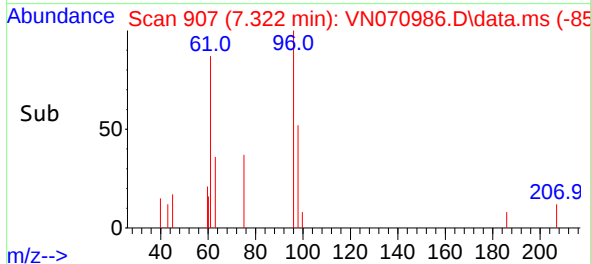
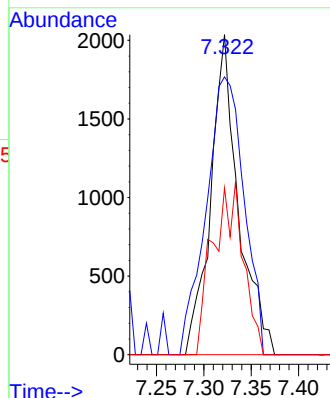
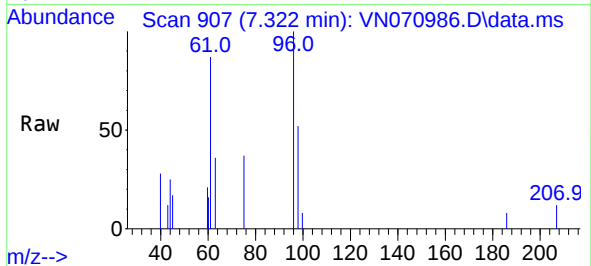




#27
 cis-1,2-Dichloroethene
 Concen: 0.376 ug/l
 RT: 7.322 min Scan# 907
 Delta R.T. -0.000 min
 Lab File: VN070986.D
 Acq: 17 Feb 2022 17:58

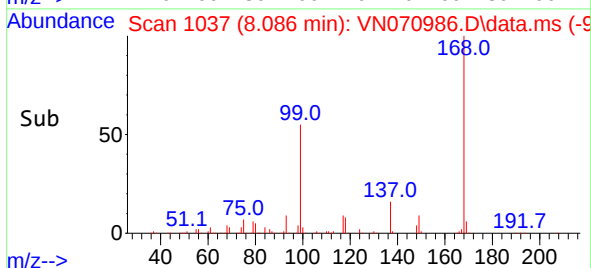
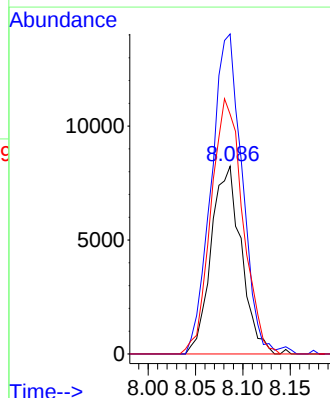
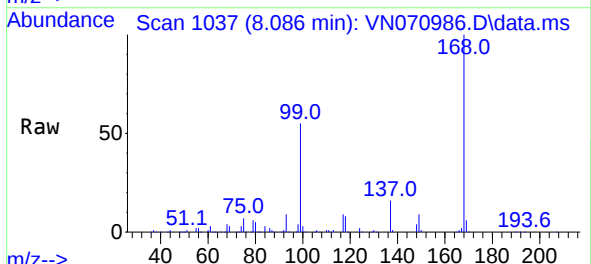
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-121.5N-20220215

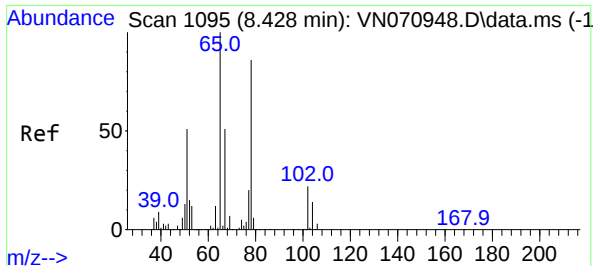
Tgt Ion:	96	Resp:	4164
Ion	Ratio	Lower	Upper
96	100		
61	118.5	0.0	275.0
98	58.7	0.0	129.6



#31
 Cyclohexane
 Concen: 1.005 ug/l
 RT: 8.086 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VN070986.D
 Acq: 17 Feb 2022 17:58

Tgt Ion:	56	Resp:	18212
Ion	Ratio	Lower	Upper
56	100		
69	170.6	27.1	40.7#
84	127.7	73.4	110.0#

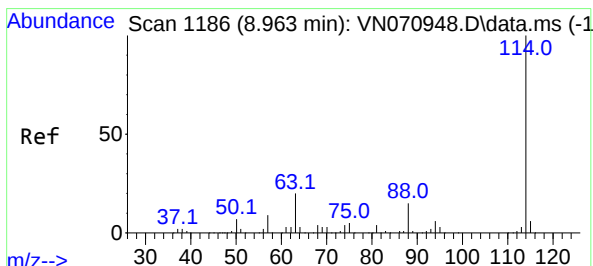
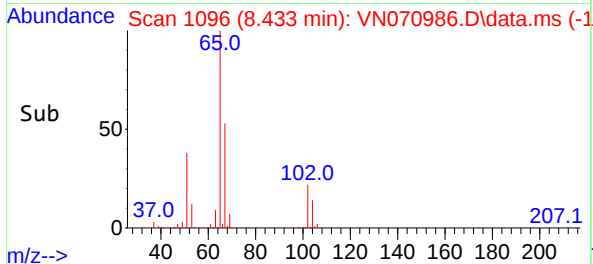
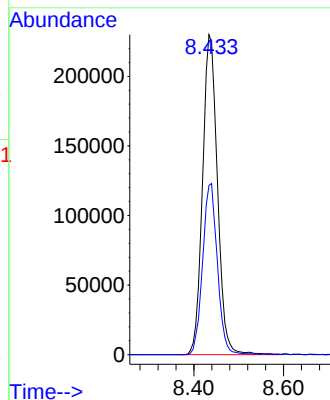
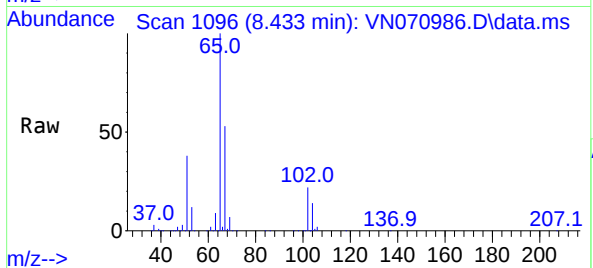




#33
1,2-Dichloroethane-d4
Concen: 50.650 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

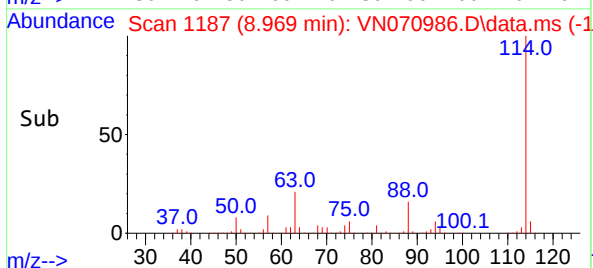
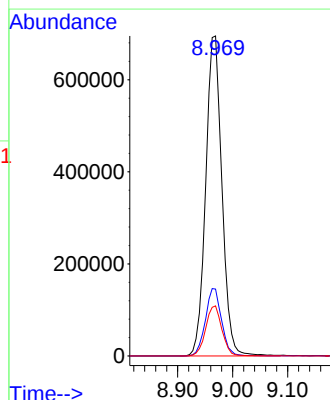
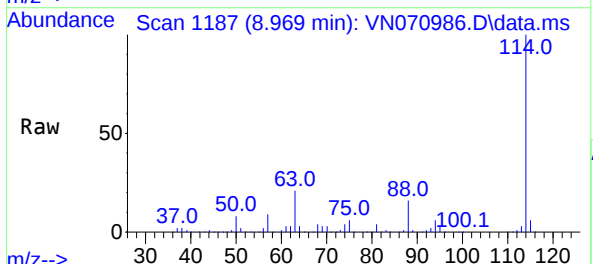
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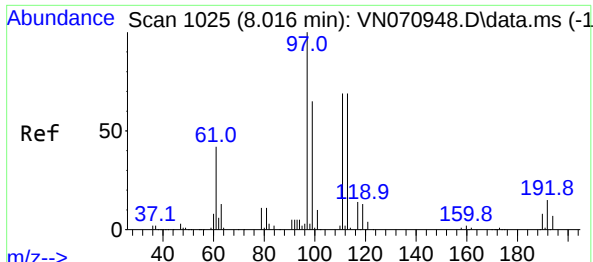
Tgt Ion: 65 Resp: 530771
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion: 114 Resp: 1425506
Ion Ratio Lower Upper
114 100
63 20.9 0.0 37.8
88 15.7 0.0 27.4

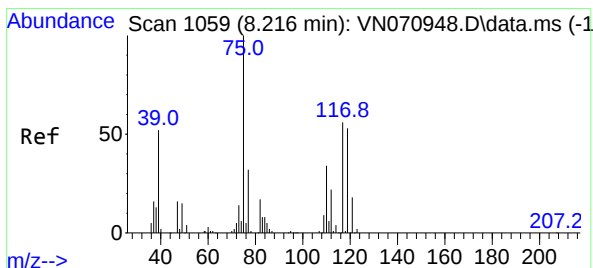
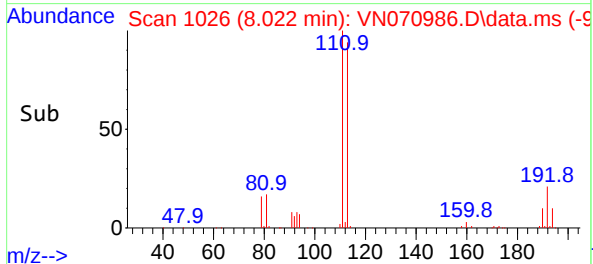
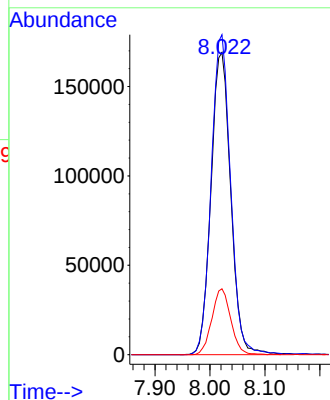
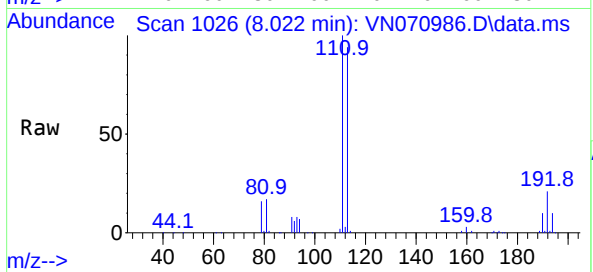




#35
Dibromofluoromethane
Concen: 49.723 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

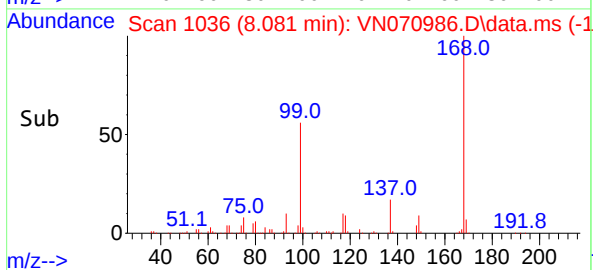
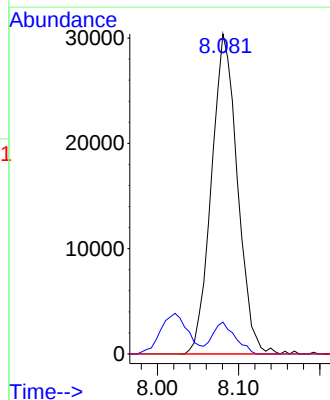
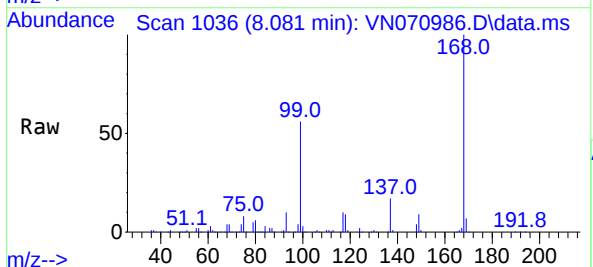
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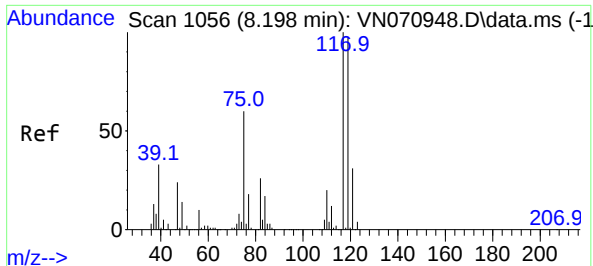
Tgt Ion:113 Resp: 421595
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.872 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

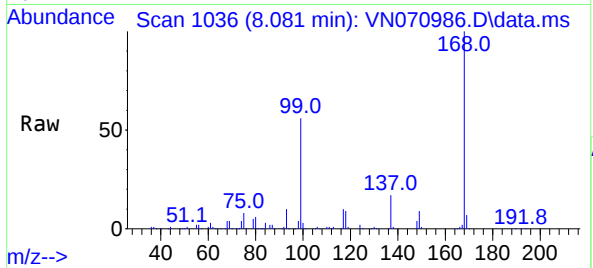
Tgt Ion: 75 Resp: 67685
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



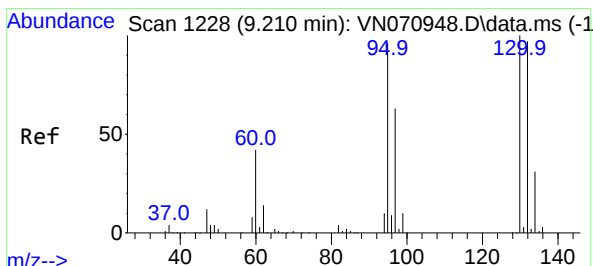
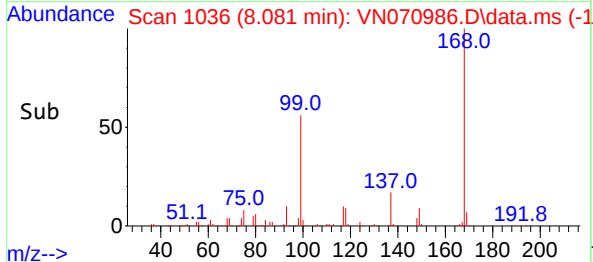
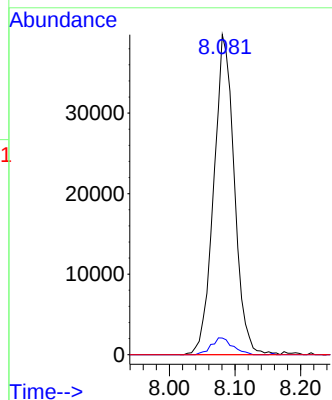


#38
Carbon Tetrachloride
Concen: 6.329 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Instrument :
MSVOA_N
ClientSampleId :
MH-121.5N-20220215

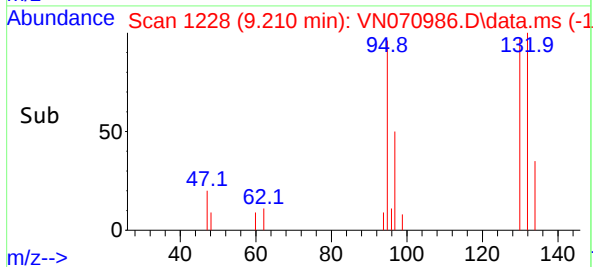
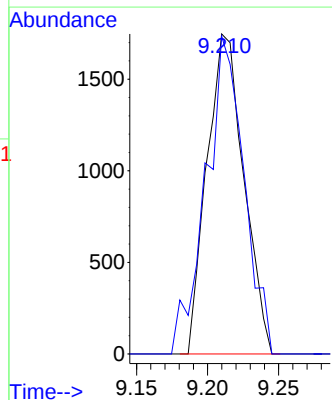
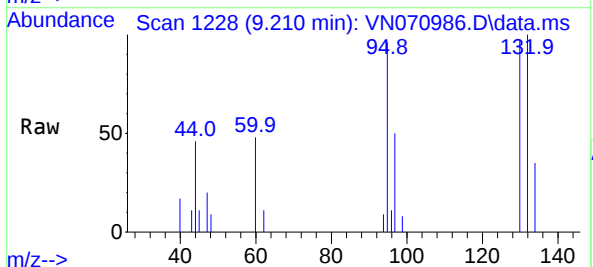


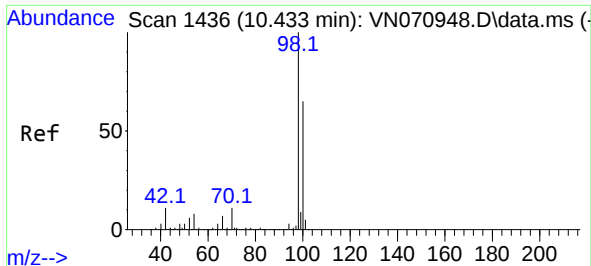
Tgt Ion:117 Resp: 86628
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.292 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion:130 Resp: 3156
Ion Ratio Lower Upper
130 100
95 99.3 0.0 191.2

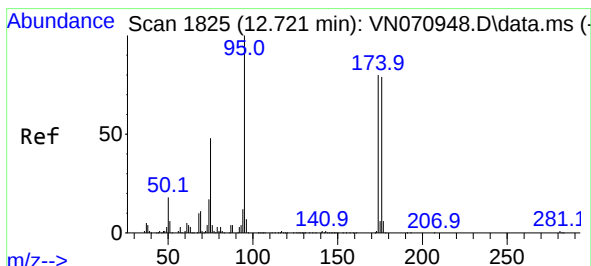
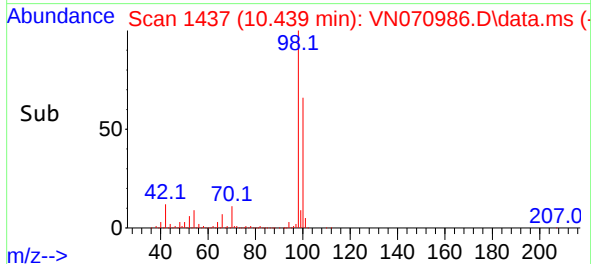
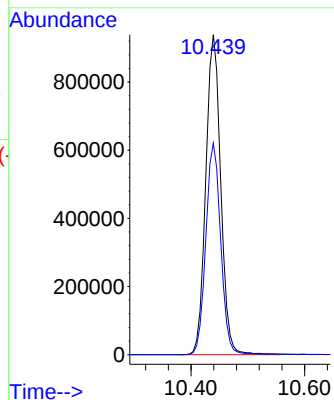
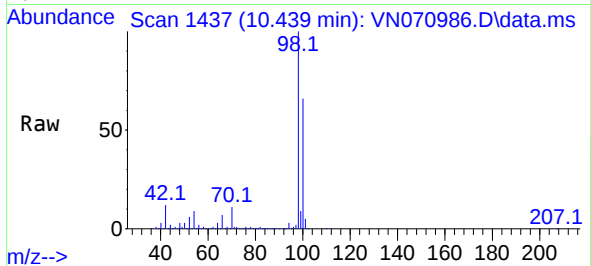




#50
Toluene-d8
Concen: 50.208 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

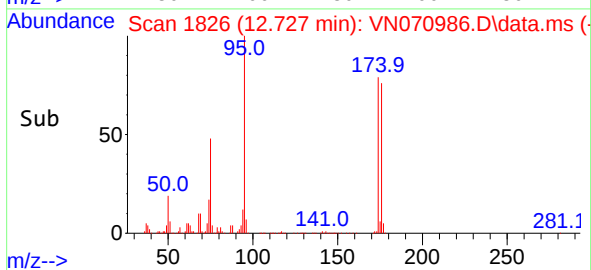
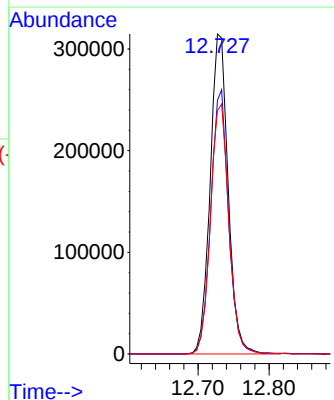
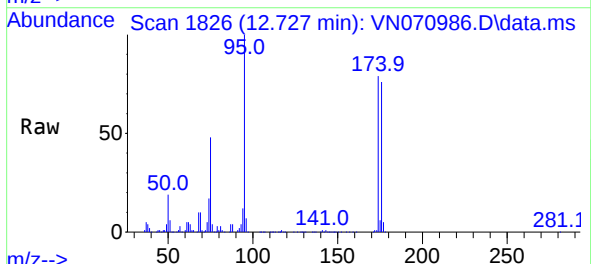
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5N-20220215

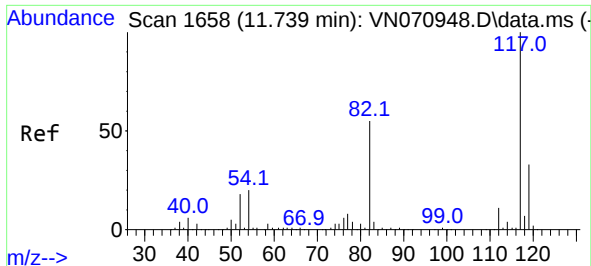
Tgt Ion: 98 Resp: 1709615
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 45.522 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion: 95 Resp: 554059
Ion Ratio Lower Upper
95 100
174 81.5 0.0 187.2
176 79.7 0.0 181.4

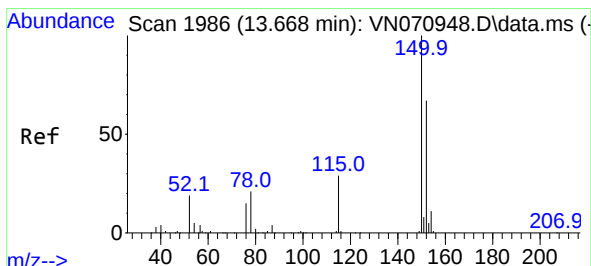
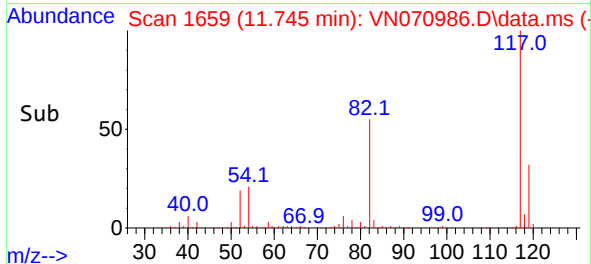
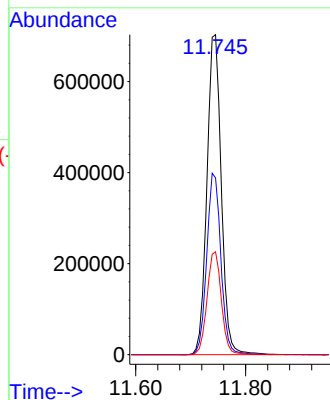
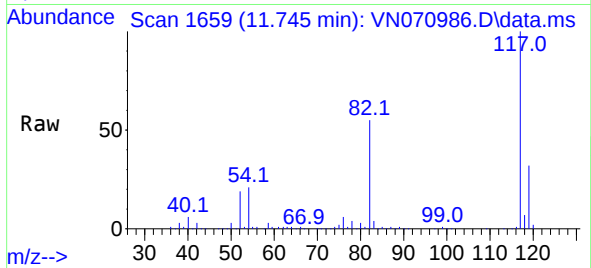




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

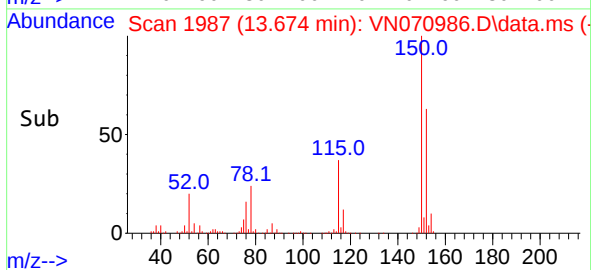
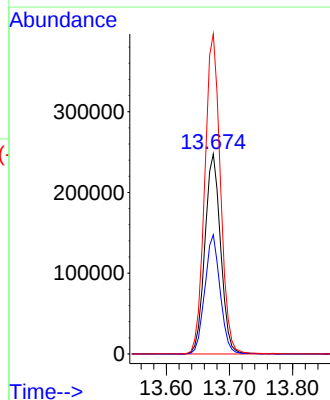
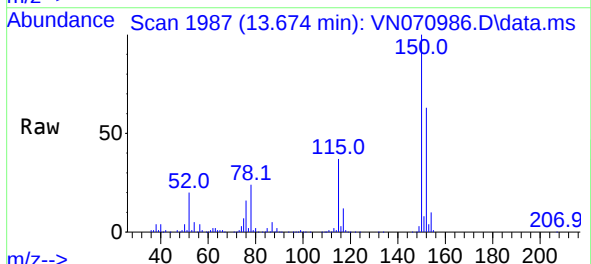
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5N-20220215

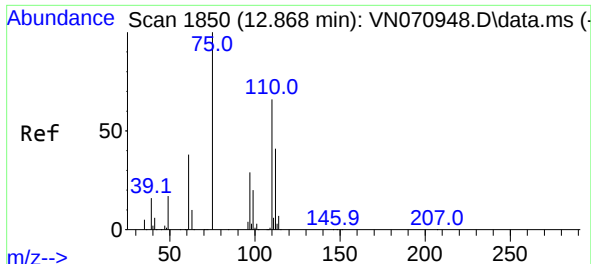
Tgt Ion:117 Resp: 1274088
Ion Ratio Lower Upper
117 100
82 55.3 42.4 63.6
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion:152 Resp: 426925
Ion Ratio Lower Upper
152 100
115 58.0 27.5 82.5
150 159.4 0.0 344.4

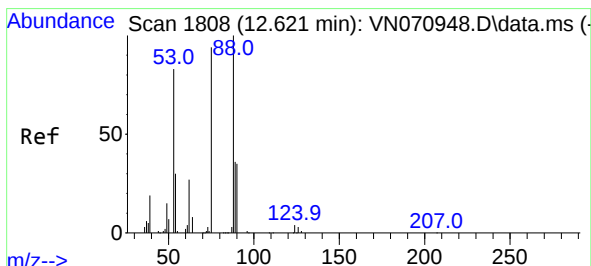
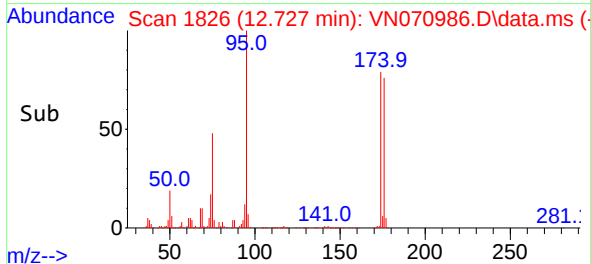
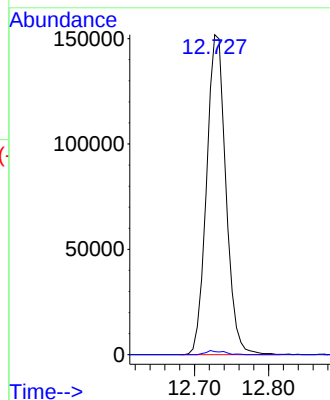
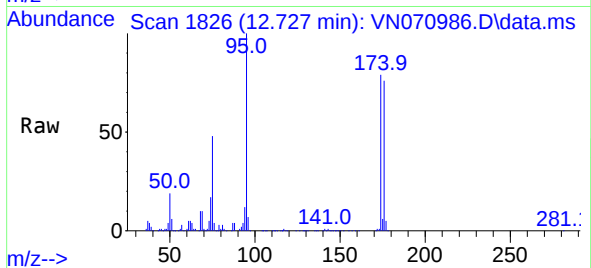




#76
1,2,3-Trichloropropane
Concen: 27.385 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

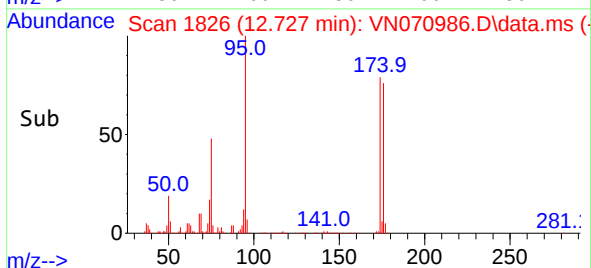
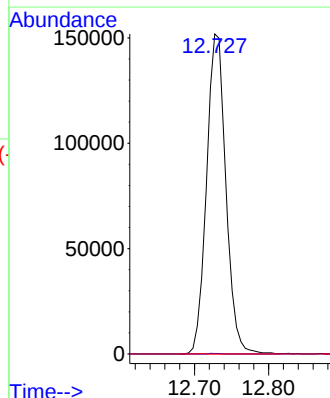
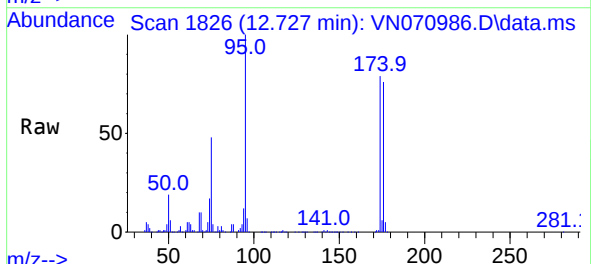
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5N-20220215

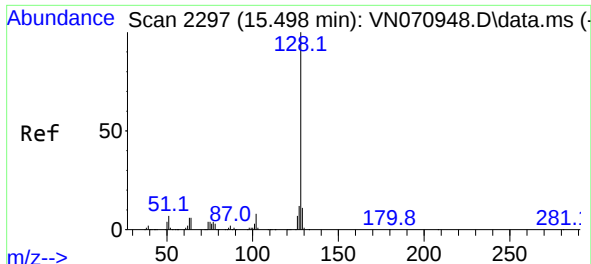
Tgt Ion: 75 Resp: 275278
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.741 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion: 75 Resp: 275278
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

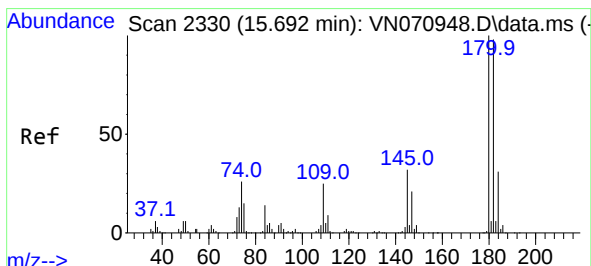
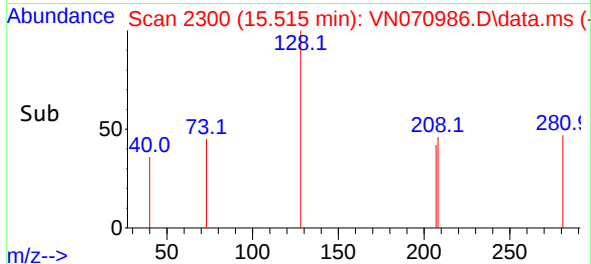
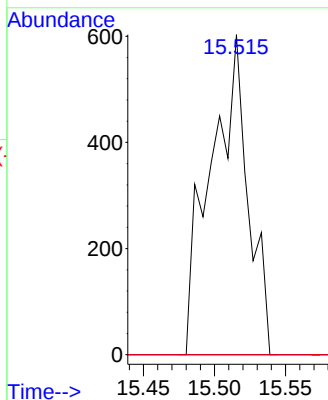
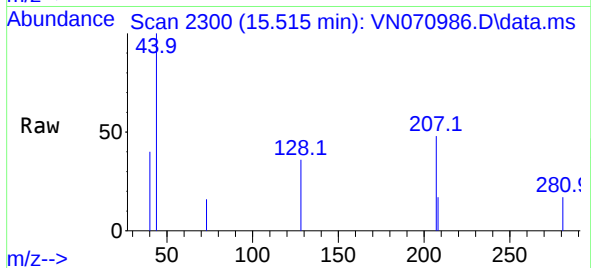




#95
Naphthalene
Concen: 5.042 ug/l
RT: 15.515 min Scan# 2101
Delta R.T. 0.017 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Instrument :
MSVOA_N
ClientSampleId :
MH-121.5N-20220215

Tgt Ion:128 Resp: 1101
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.524 ug/l
RT: 15.709 min Scan# 2333
Delta R.T. 0.017 min
Lab File: VN070986.D
Acq: 17 Feb 2022 17:58

Tgt Ion:180 Resp: 62
Ion Ratio Lower Upper
180 100
182 117.7 47.4 142.2
145 0.0 15.0 45.1#

