

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071593.D
 Acq On : 26 Mar 2022 23:28
 Operator : JC\MD
 Sample : N2091-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MHB

Quant Time: Mar 28 02:22:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

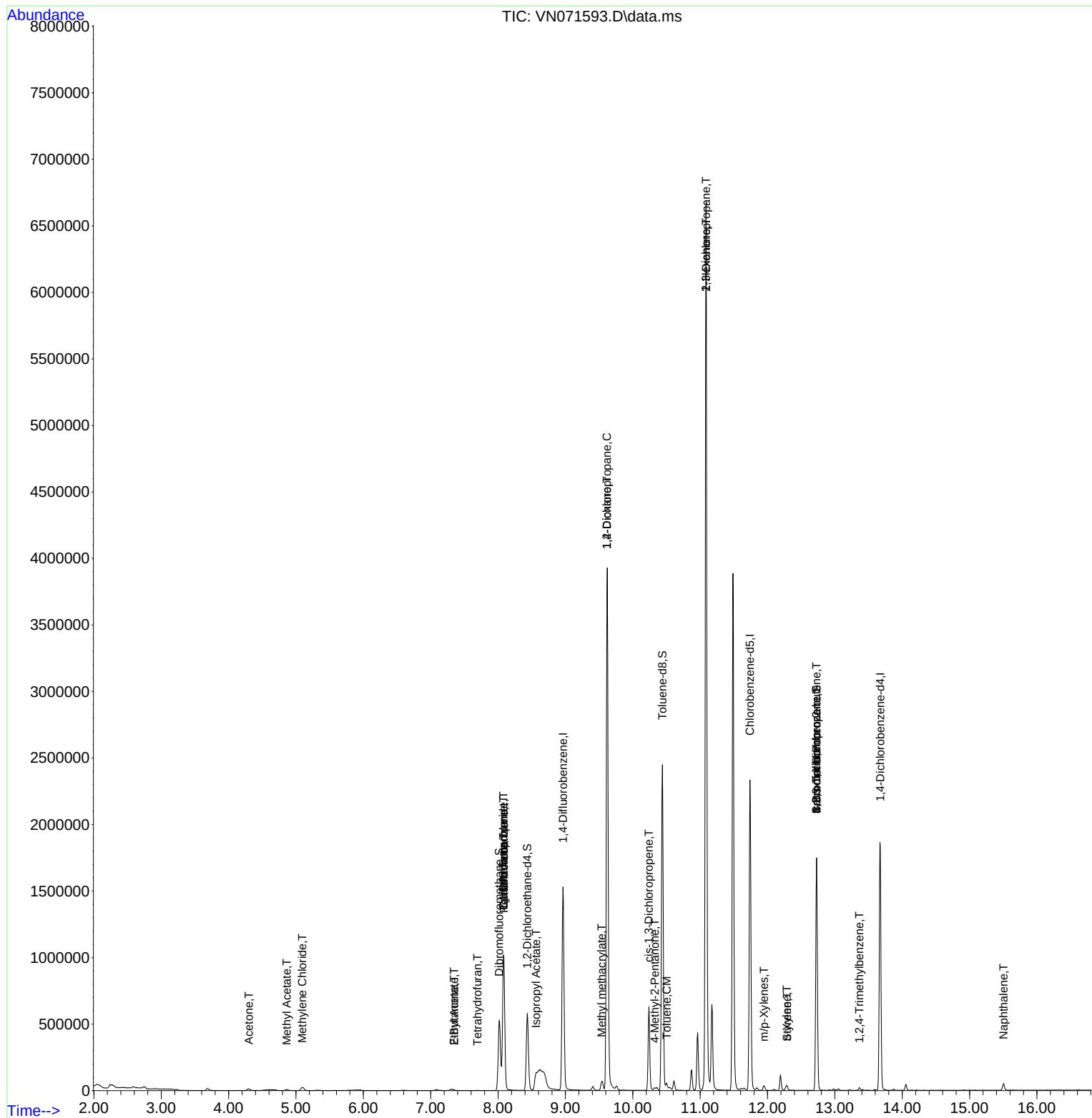
Internal Standards						
1) Pentafluorobenzene	8.086	168	838365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1401670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1417320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	546001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	482238	46.299	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.600%
35) Dibromofluoromethane	8.016	113	399405	45.340	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.680%
50) Toluene-d8	10.439	98	1759437	49.518	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.727	95	608025	52.225	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	2263	Below Cal		90
16) Acetone	4.298	43	22882	5.360	ug/l	95
18) Methyl Acetate	4.863	43	17092	0.291	ug/l	98
20) Methylene Chloride	5.092	84	21540	2.165	ug/l	93
25) 2-Butanone	7.345	43	9099	1.328	ug/l #	87
29) Tetrahydrofuran	7.692	42	1118	0.245	ug/l #	65
31) Cyclohexane	8.080	56	15627	1.048	ug/l #	7
36) 1,1-Dichloropropene	8.080	75	58382	4.597	ug/l #	48
37) Ethyl Acetate	7.345	43	9099	0.657	ug/l #	67
38) Carbon Tetrachloride	8.080	117	78077	6.306	ug/l #	17
43) Isopropyl Acetate	8.563	43	165748	7.140	ug/l #	71
45) 1,2-Dichloropropane	9.616	63	5578	0.570	ug/l #	44
48) Methyl methacrylate	9.539	41	18604	1.861	ug/l #	10
49) 1,4-Dioxane	9.616	88	512	2.220	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	12305	0.888	ug/l	94
52) Toluene	10.504	92	17870	0.722	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	119919	7.741	ug/l #	63
57) 1,3-Dichloropropane	11.086	76	74706	4.426	ug/l #	43
59) 2-Hexanone	11.086	43	965860	96.665	ug/l #	47
68) m/p-Xylenes	11.945	106	12017	0.608	ug/l	98
69) o-Xylene	12.286	106	5611	0.286	ug/l	95
70) Styrene	12.292	104	14176	0.463	ug/l	90
71) Bromoform	12.727	173	3820	0.457	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	332	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	306754	25.195	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	306754	67.454	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.362	105	11981	0.327	ug/l	97
95) Naphthalene	15.504	128	49527	4.882	ug/l	99

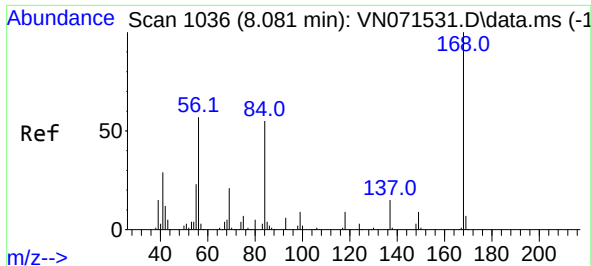
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
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Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
Response via : Initial Calibration

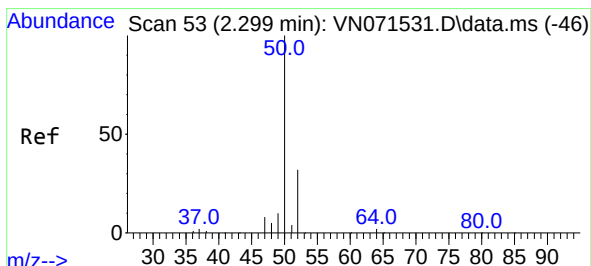
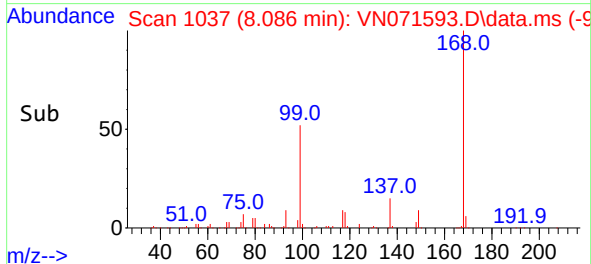
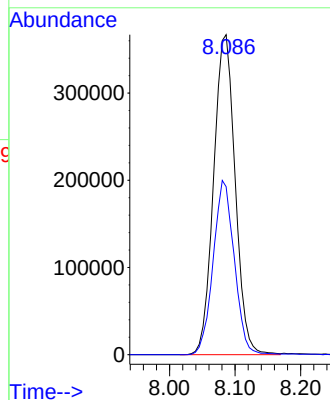
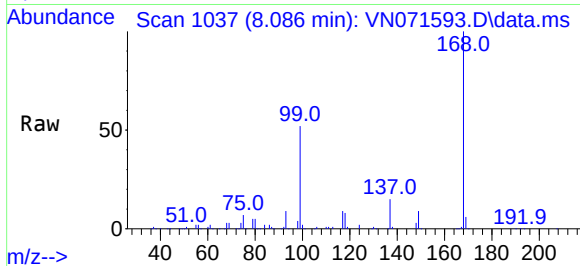




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

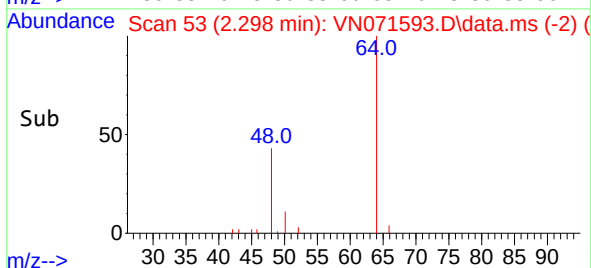
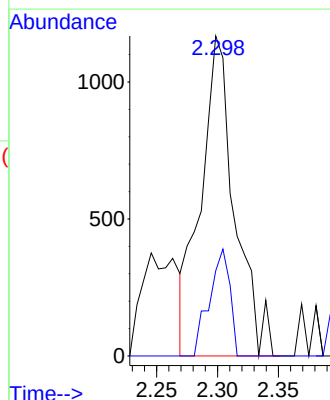
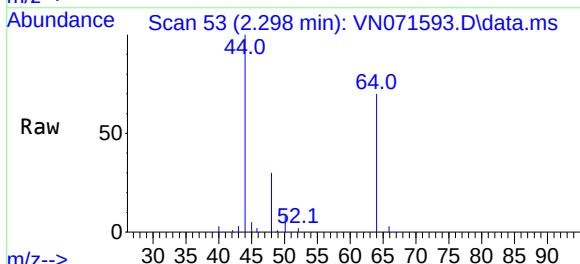
Instrument :
MSVOA_N
ClientSampleId :
MHB

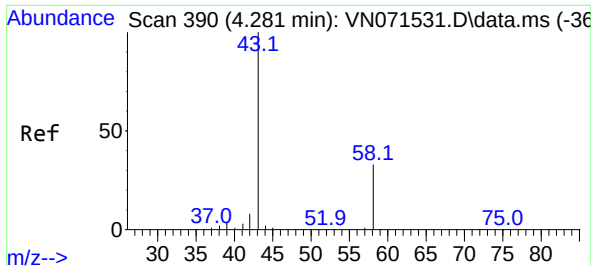
Tgt Ion:168 Resp: 838365
Ion Ratio Lower Upper
168 100
99 52.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 50 Resp: 2263
Ion Ratio Lower Upper
50 100
52 26.6 25.7 38.5

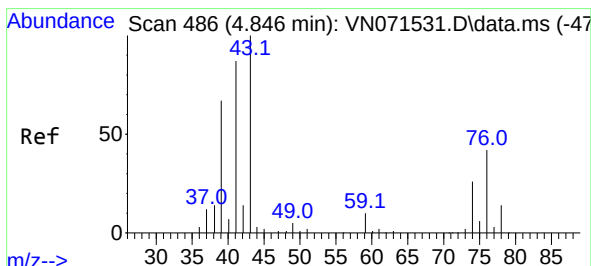
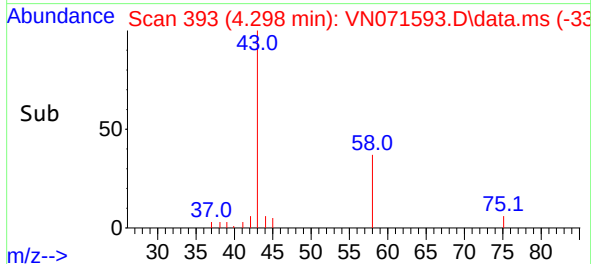
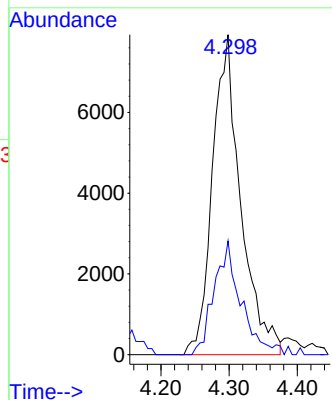
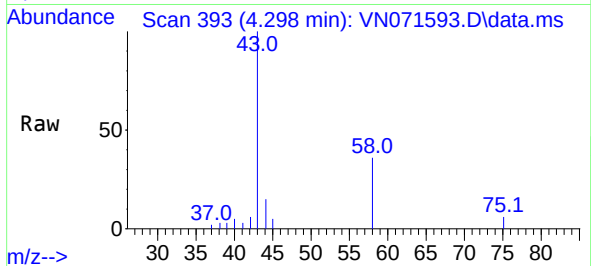




#16
Acetone
Concen: 5.360 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.017 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

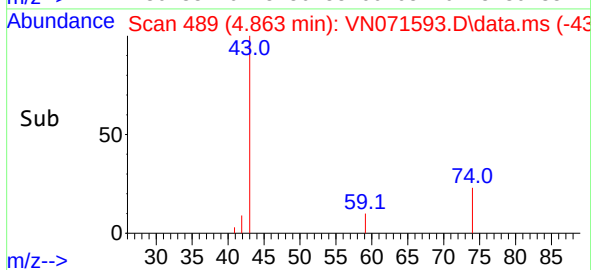
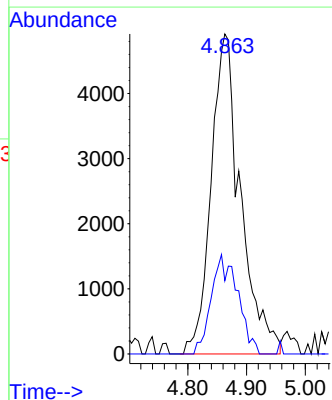
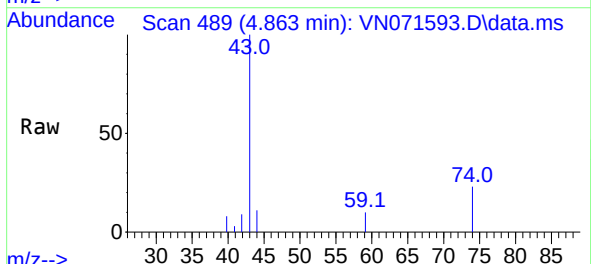
Instrument :
MSVOA_N
ClientSampleId :
MHB

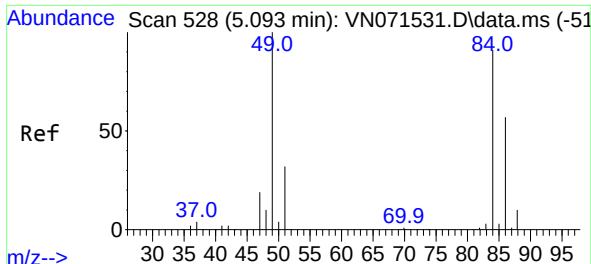
Tgt Ion: 43 Resp: 22882
Ion Ratio Lower Upper
43 100
58 35.6 26.0 39.0



#18
Methyl Acetate
Concen: 0.291 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 43 Resp: 17092
Ion Ratio Lower Upper
43 100
74 28.1 21.6 32.4

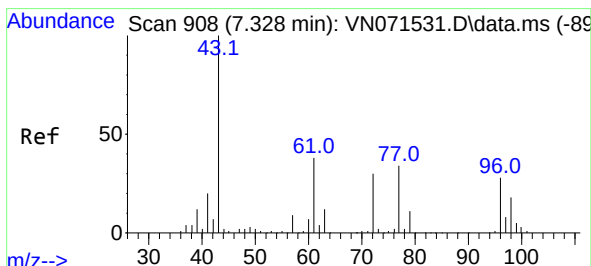
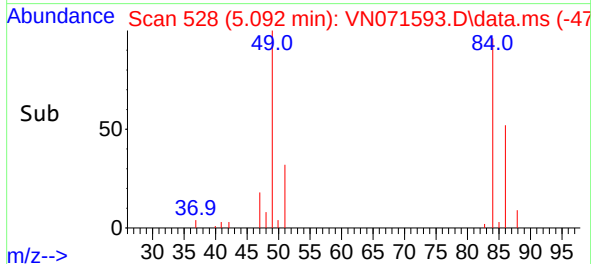
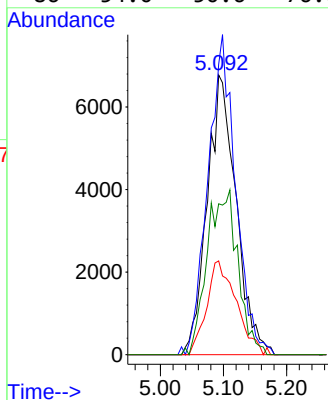
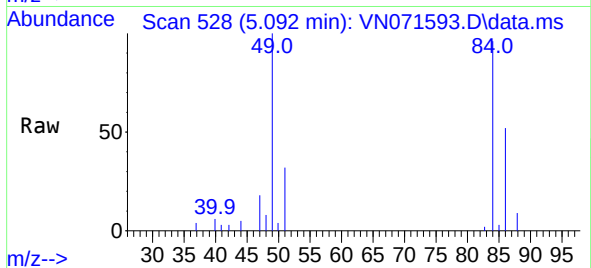




#20
Methylene Chloride
Concen: 2.165 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

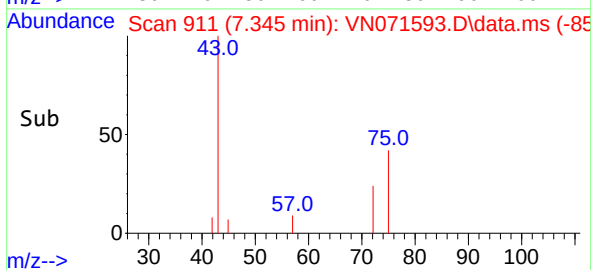
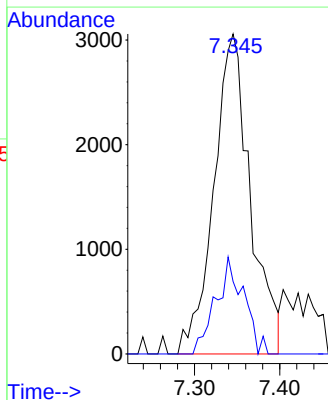
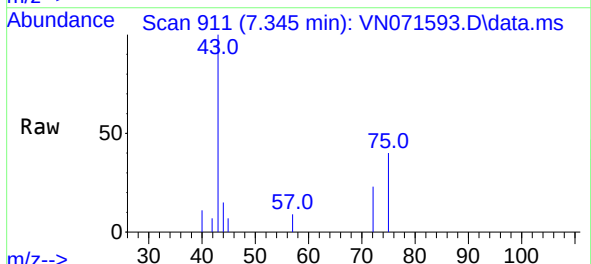
Instrument :
MSVOA_N
ClientSampleId :
MHB

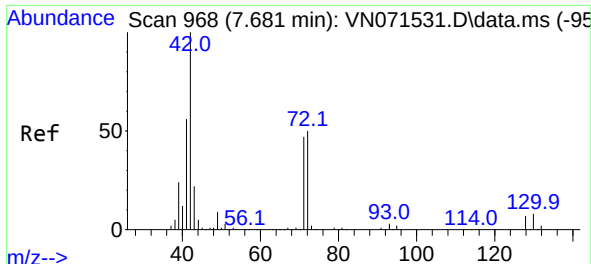
Tgt Ion: 84	Resp: 21540
Ion Ratio	Lower Upper
84 100	
49 103.8	88.3 132.5
51 33.5	28.2 42.2
86 54.0	50.6 76.0



#25
2-Butanone
Concen: 1.328 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 43	Resp:	9099	
Ion Ratio	Lower	Upper	
43	100		
72	22.7	23.7	35.5#

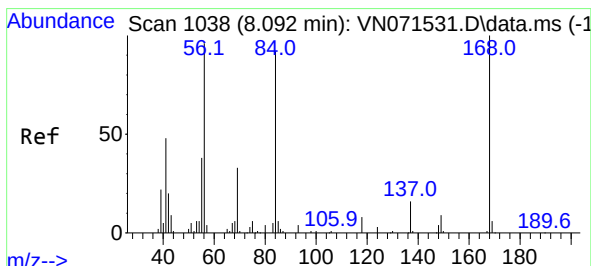
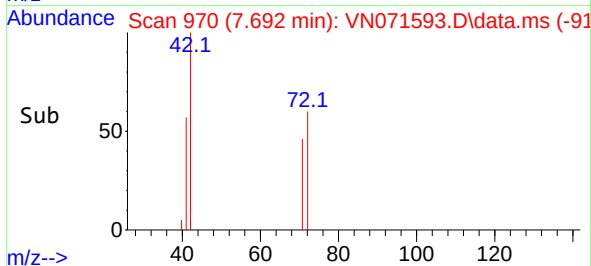
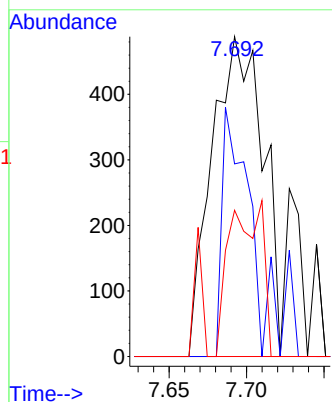
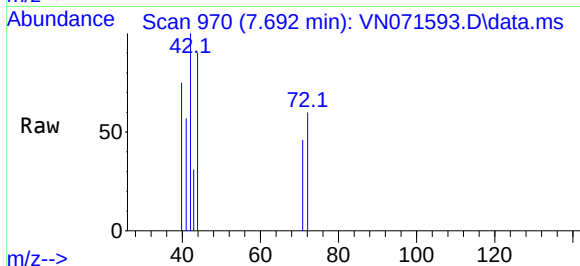




#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

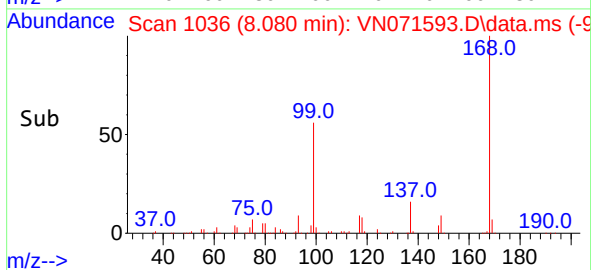
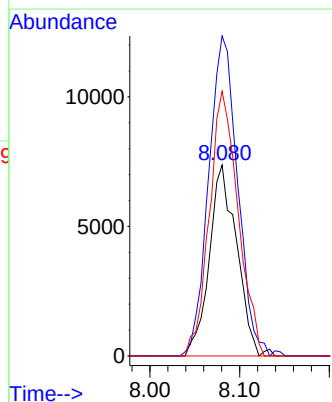
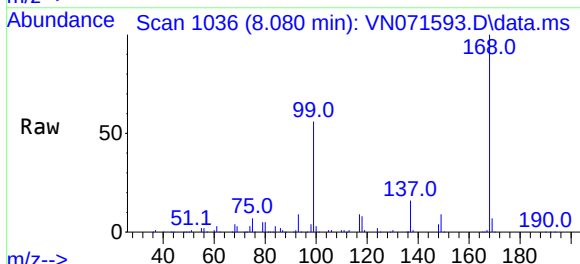
Instrument :
MSVOA_N
ClientSampleId :
MHB

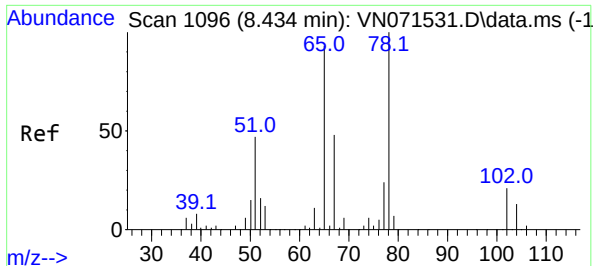
Tgt Ion: 42 Resp: 1118
Ion Ratio Lower Upper
42 100
72 47.8 39.7 59.5
71 0.0 36.6 55.0#



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 56 Resp: 15627
Ion Ratio Lower Upper
56 100
69 167.5 27.8 41.8#
84 138.5 76.9 115.3#

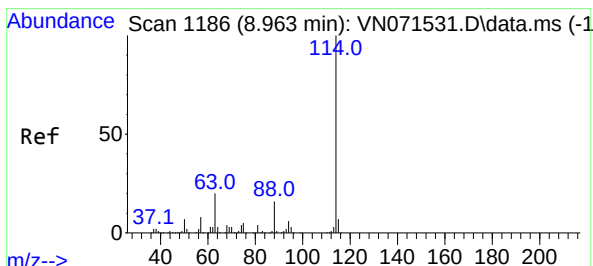
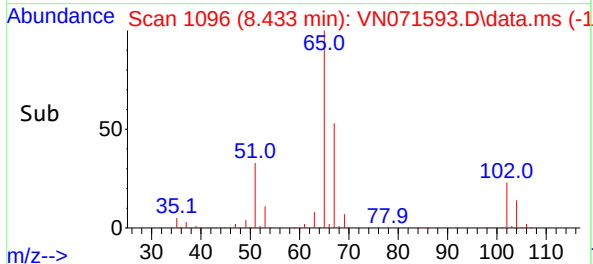
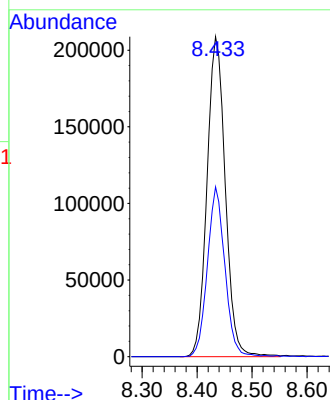
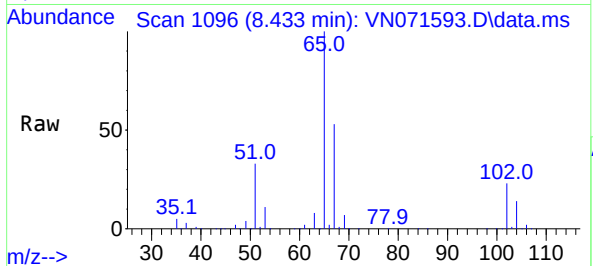




#33
1,2-Dichloroethane-d4
Concen: 46.299 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

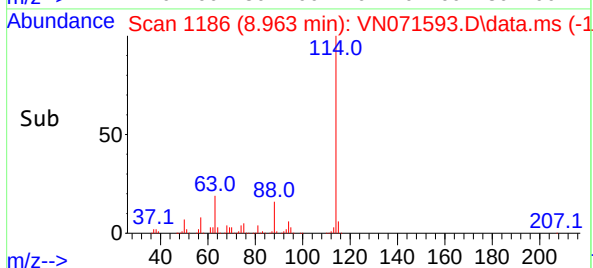
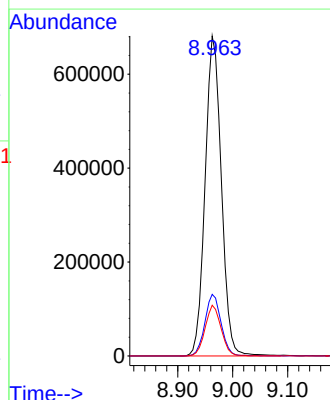
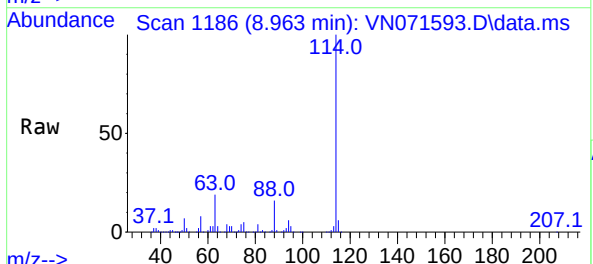
Instrument :
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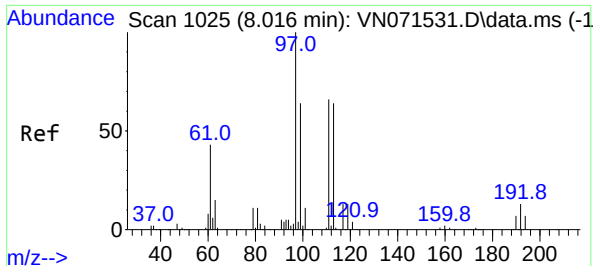
Tgt Ion: 65 Resp: 482238
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 114 Resp: 1401670
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 15.9 0.0 32.6

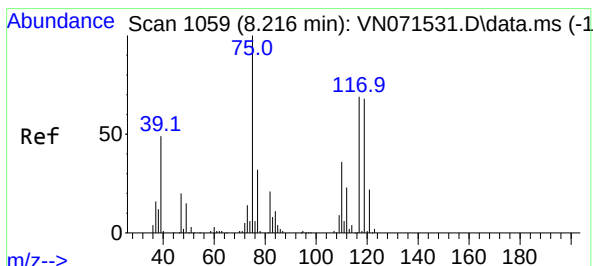
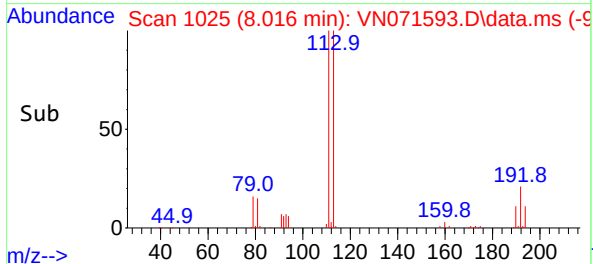
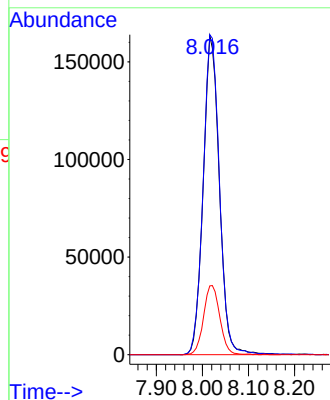
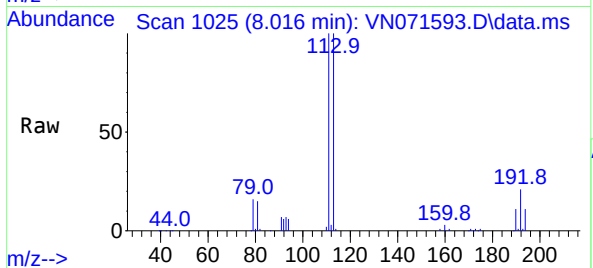




#35
Dibromofluoromethane
Concen: 45.340 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

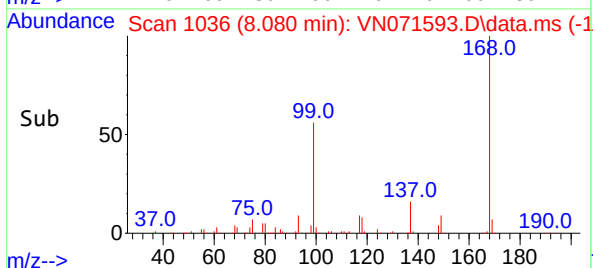
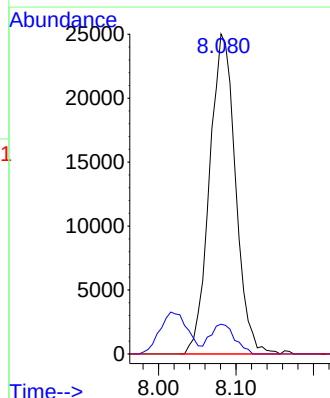
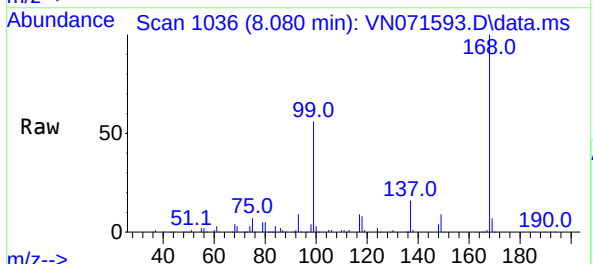
Instrument :
MSVOA_N
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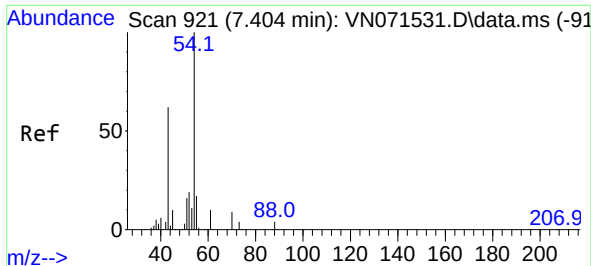
Tgt Ion:113 Resp: 399405
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.0
192 21.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 75 Resp: 58382
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#

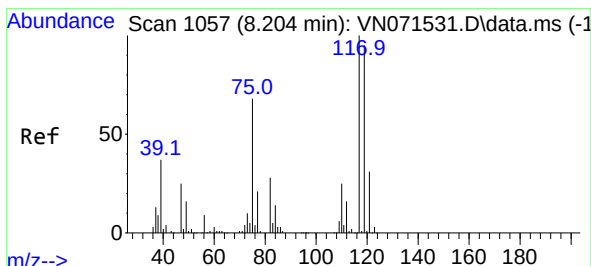
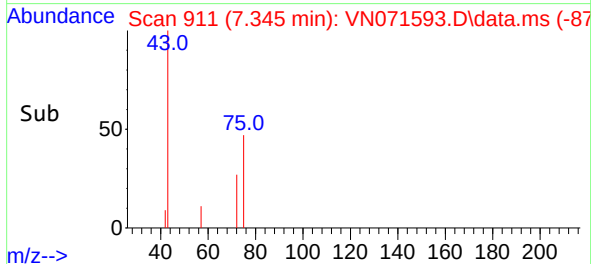
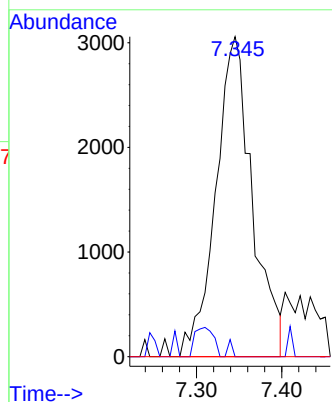
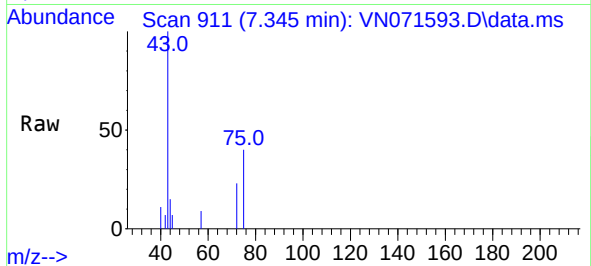




#37
Ethyl Acetate
Concen: 0.657 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

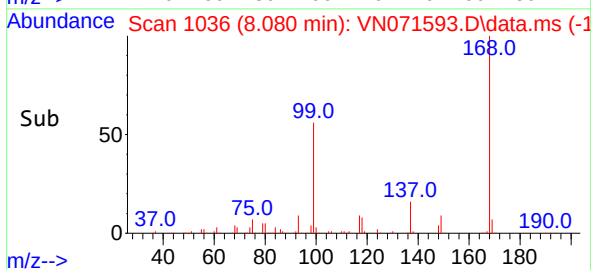
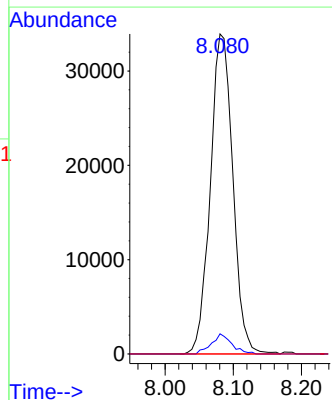
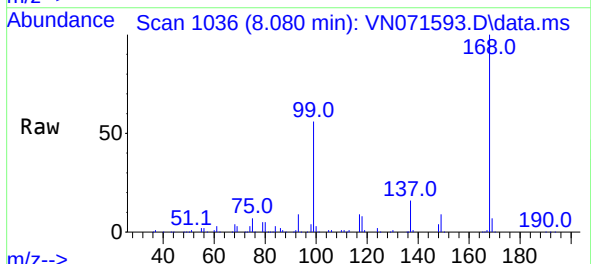
Instrument :
MSVOA_N
ClientSampleId :
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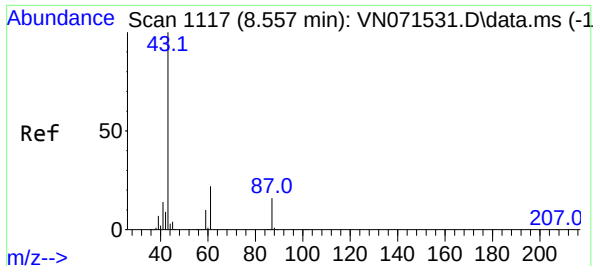
Tgt Ion: 43 Resp: 9099
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.306 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 117 Resp: 78077
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.8#
121 0.0 24.6 37.0#

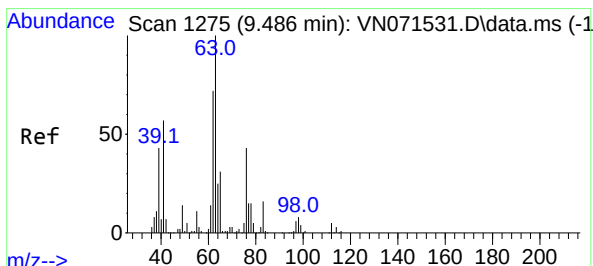
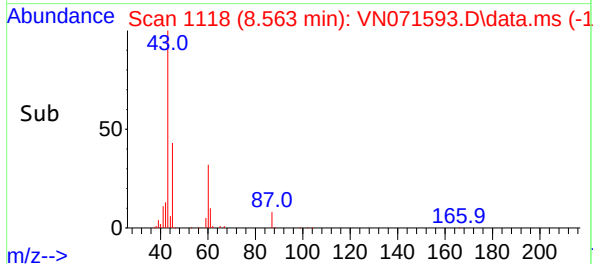
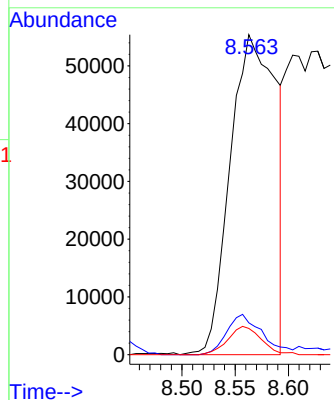
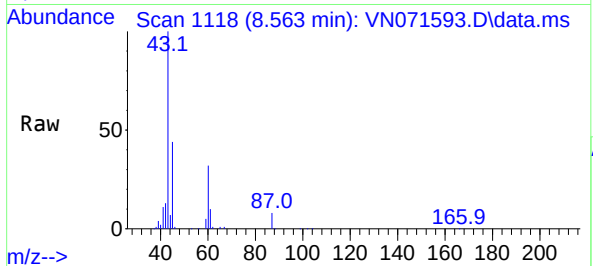




#43
Isopropyl Acetate
Concen: 7.140 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

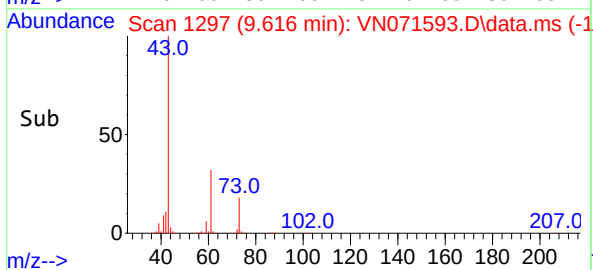
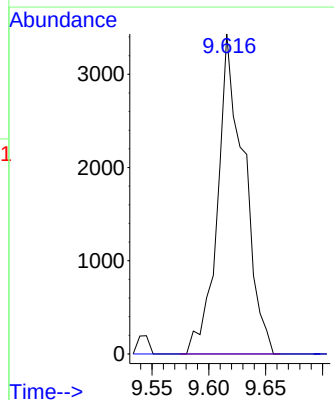
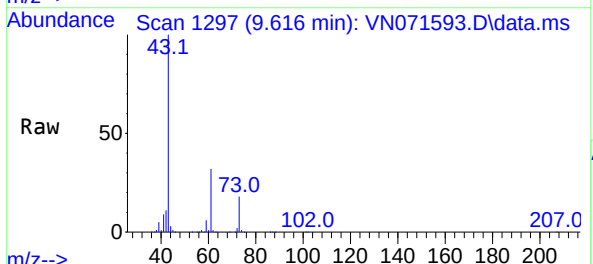
Instrument :
MSVOA_N
ClientSampleId :
MHB

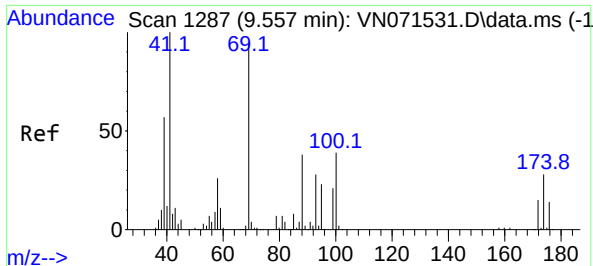
Tgt Ion: 43 Resp: 165748
Ion Ratio Lower Upper
43 100
61 9.8 21.9 32.9#
87 6.4 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.570 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 63 Resp: 5578
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.861 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN071593.D

Acq: 26 Mar 2022 23:28

Instrument :

MSVOA_N

ClientSampleId :

MHB

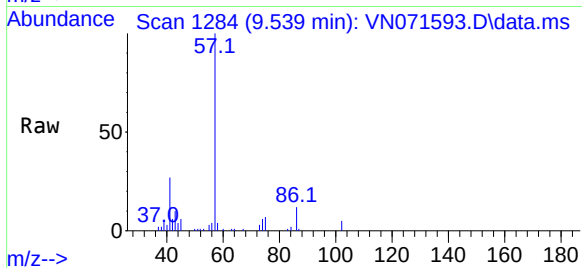
Tgt Ion: 41 Resp: 18604

Ion Ratio Lower Upper

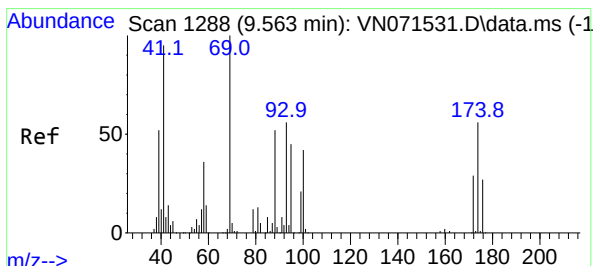
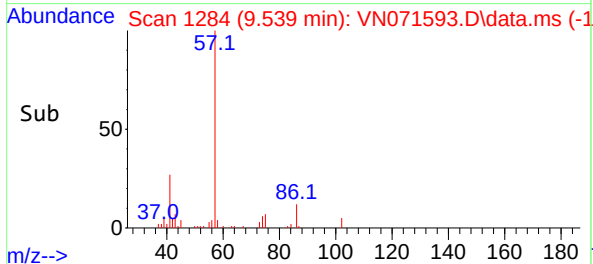
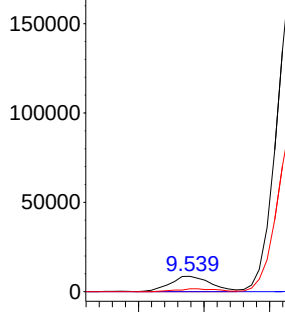
41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



Abundance



#49

1,4-Dioxane

Concen: 2.220 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071593.D

Acq: 26 Mar 2022 23:28

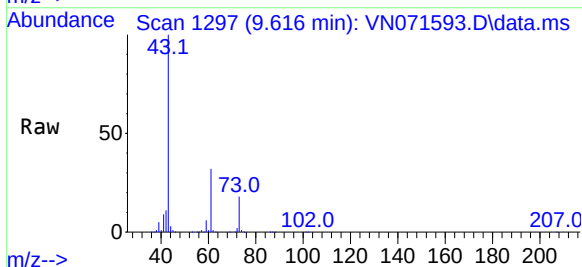
Tgt Ion: 88 Resp: 512

Ion Ratio Lower Upper

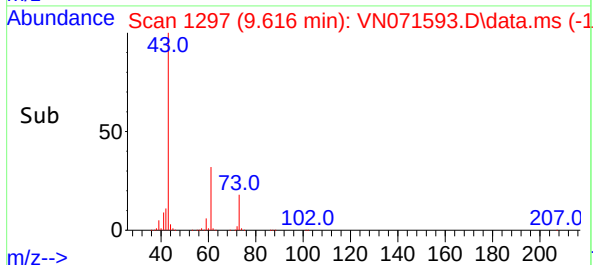
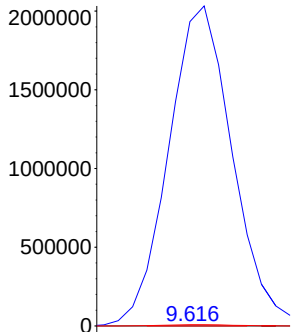
88 100

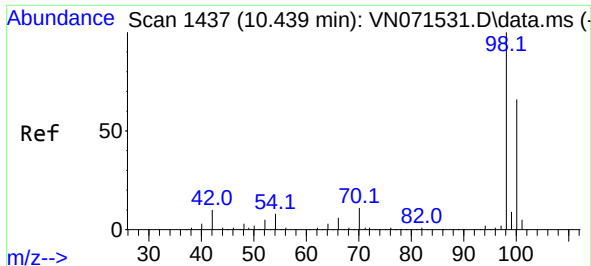
43 737528.5 20.2 30.4#

58 3341.4 54.2 81.4#



Abundance

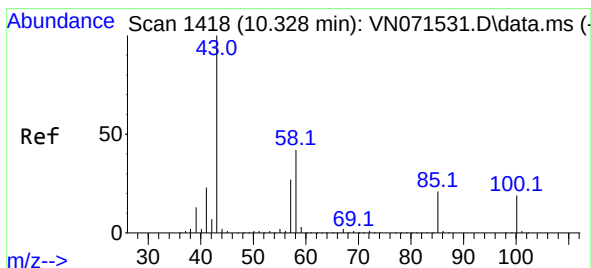
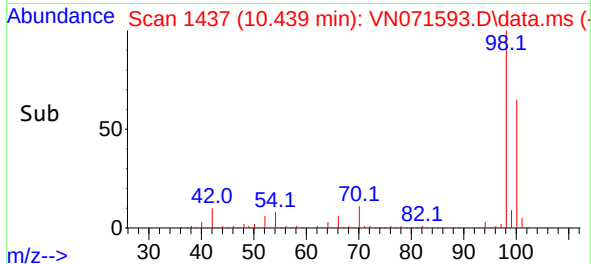
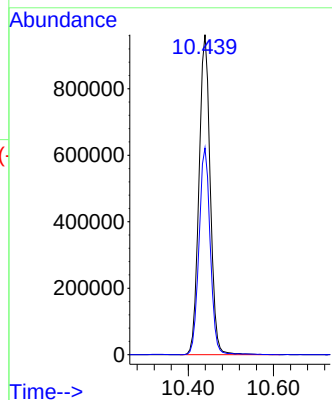
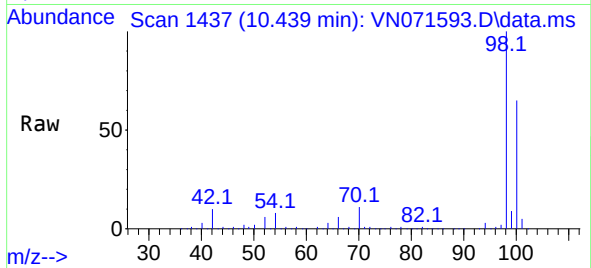




#50
Toluene-d8
Concen: 49.518 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

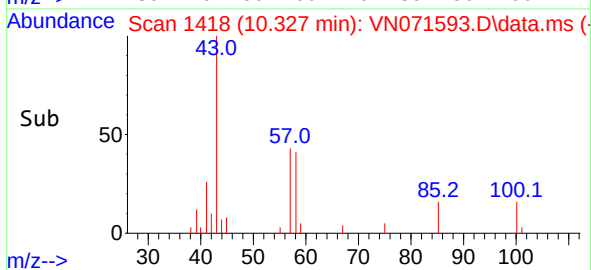
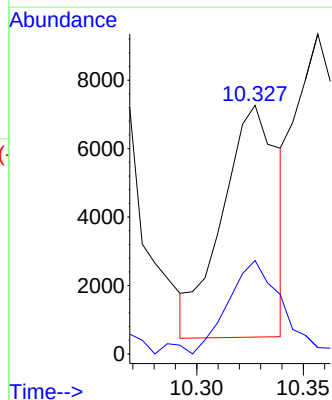
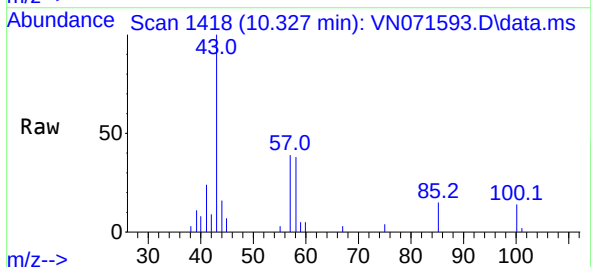
Instrument :
MSVOA_N
ClientSampleId :
MHB

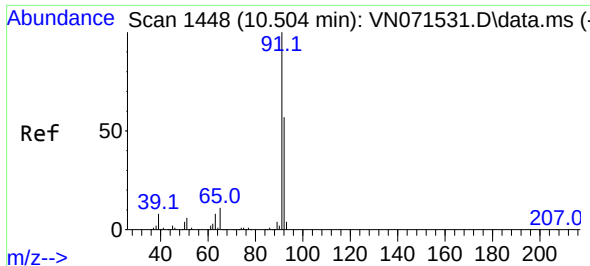
Tgt Ion: 98 Resp: 1759437
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.888 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 43 Resp: 12305
Ion Ratio Lower Upper
43 100
58 38.6 34.1 51.1

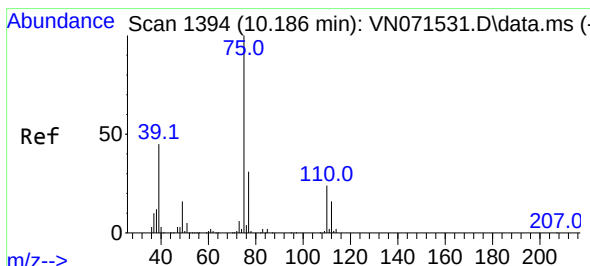
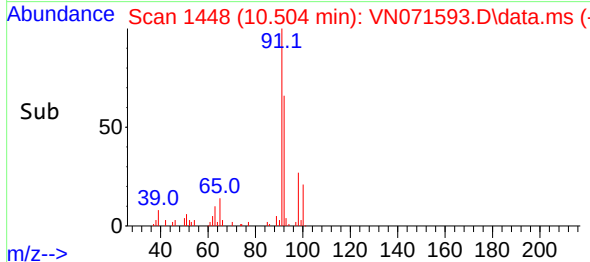
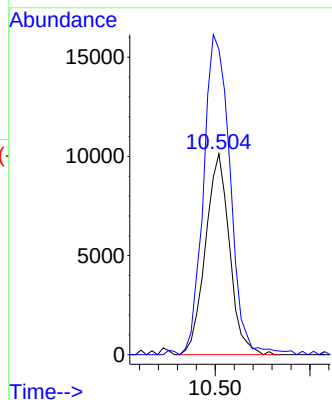
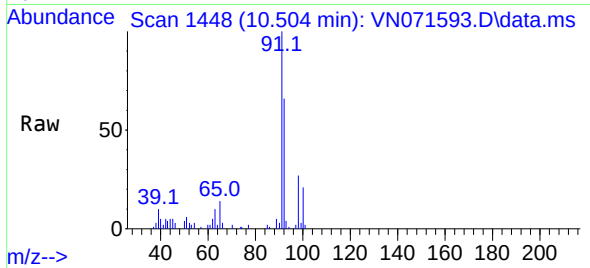




#52
Toluene
Concen: 0.722 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

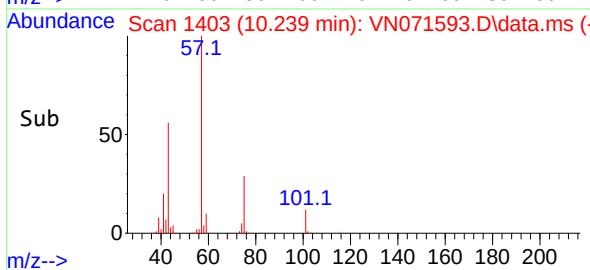
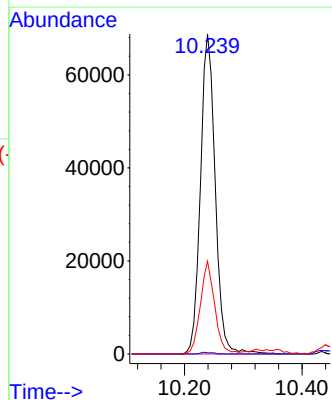
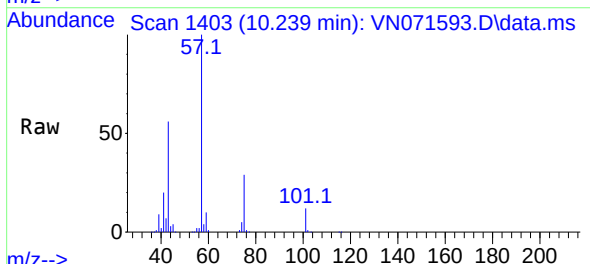
Instrument :
MSVOA_N
ClientSampleId :
MHB

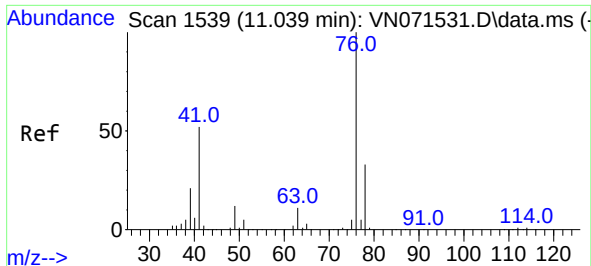
Tgt Ion: 92 Resp: 17870
Ion Ratio Lower Upper
92 100
91 176.7 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 7.741 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 75 Resp: 119919
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 29.0 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.426 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071593.D

Acq: 26 Mar 2022 23:28

Instrument :

MSVOA_N

ClientSampleId :

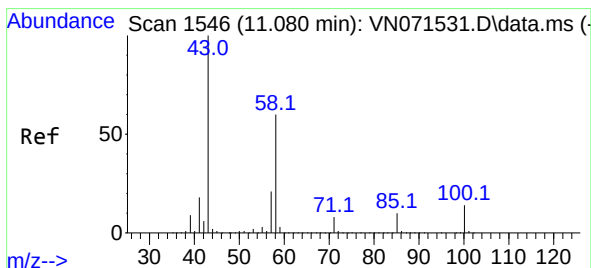
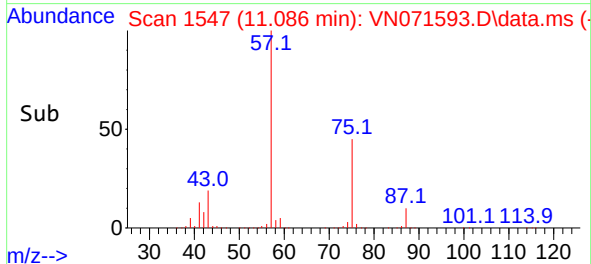
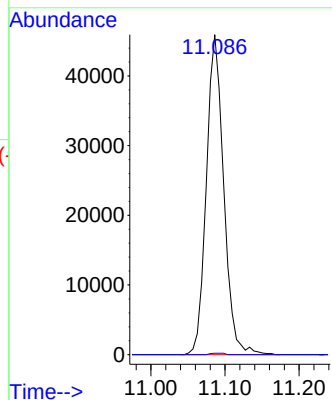
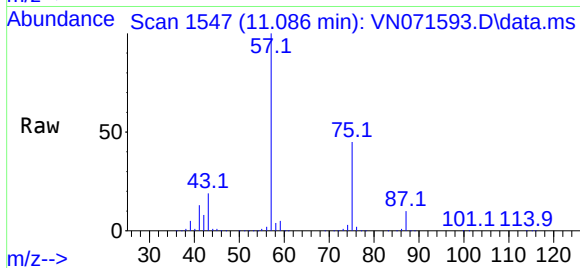
MHB

Tgt Ion: 76 Resp: 74706

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 96.665 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071593.D

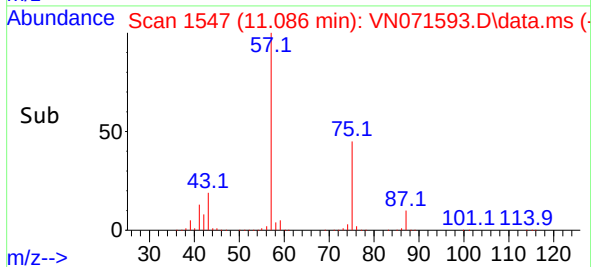
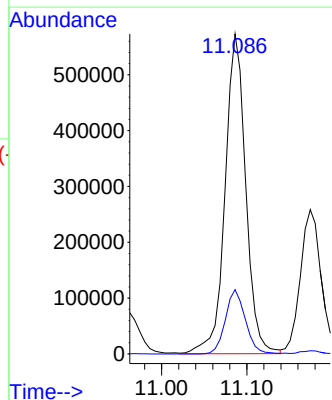
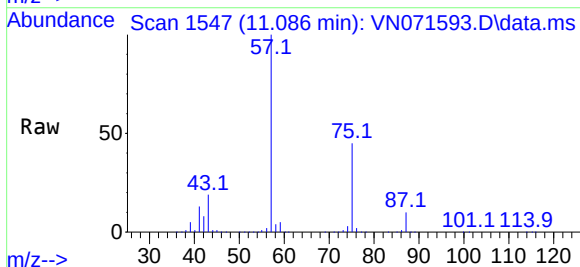
Acq: 26 Mar 2022 23:28

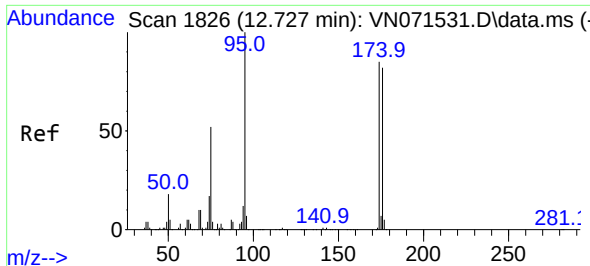
Tgt Ion: 43 Resp: 965860

Ion Ratio Lower Upper

43 100

58 19.5 29.7 89.1#

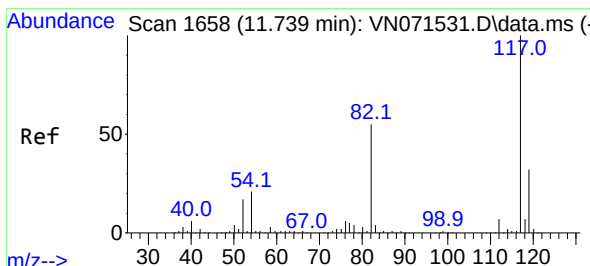
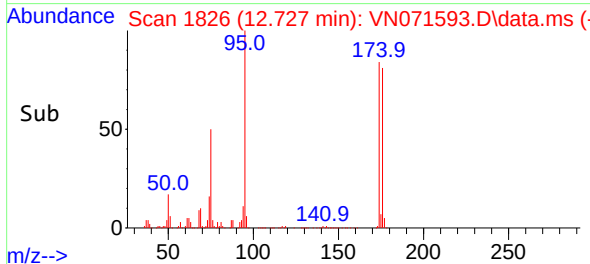
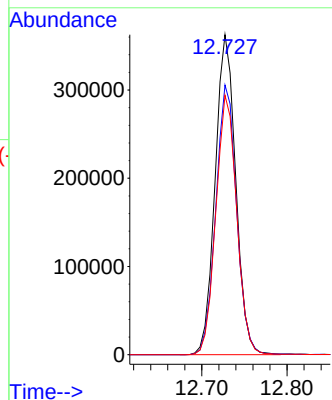
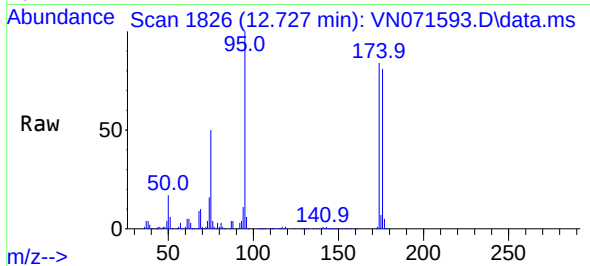




#62
4-Bromofluorobenzene
Concen: 52.225 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

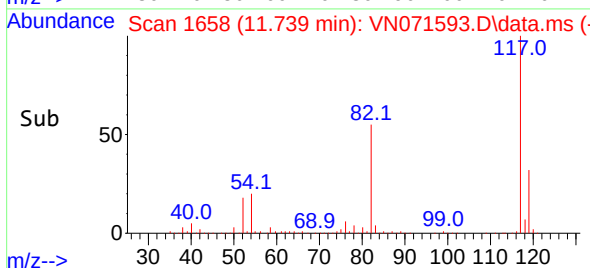
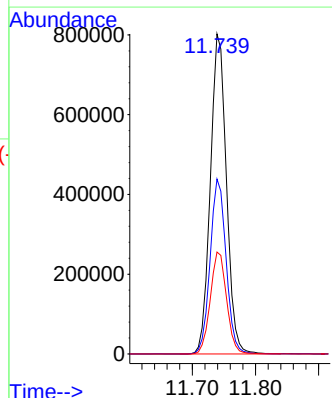
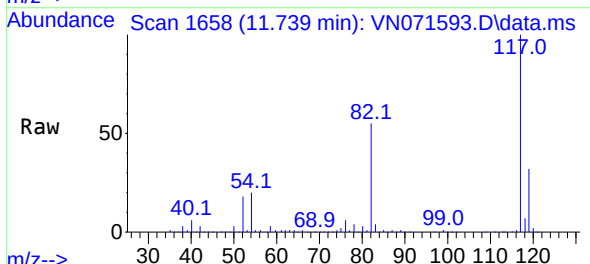
Instrument :
MSVOA_N
ClientSampleId :
MHB

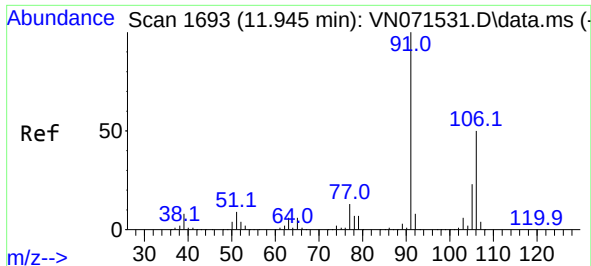
Tgt Ion: 95 Resp: 608025
Ion Ratio Lower Upper
95 100
174 85.2 0.0 167.6
176 82.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion: 117 Resp: 1417320
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.9 25.4 38.0

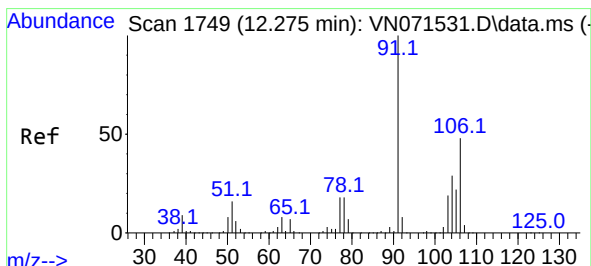
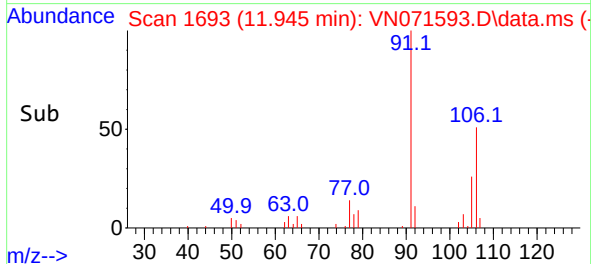
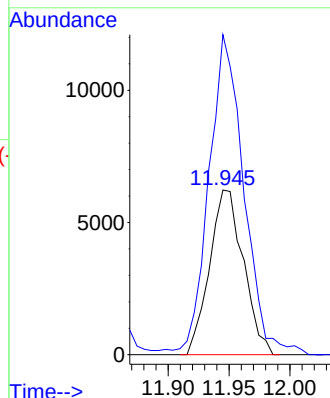
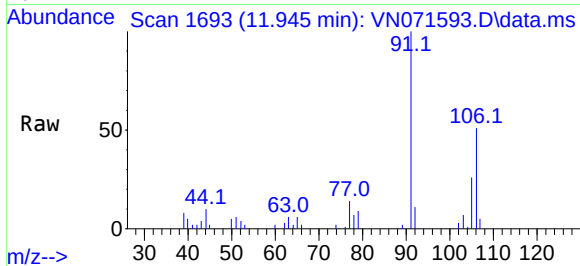




#68
m/p-Xylenes
Concen: 0.608 ug/l
RT: 11.945 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

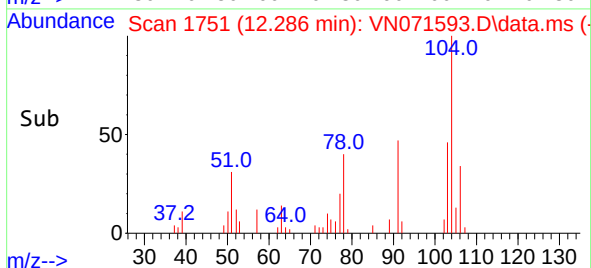
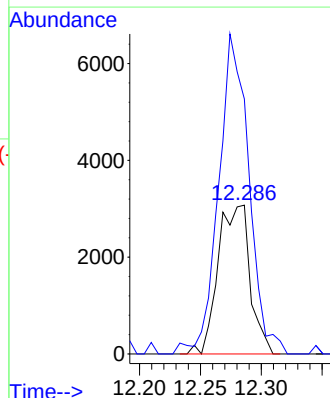
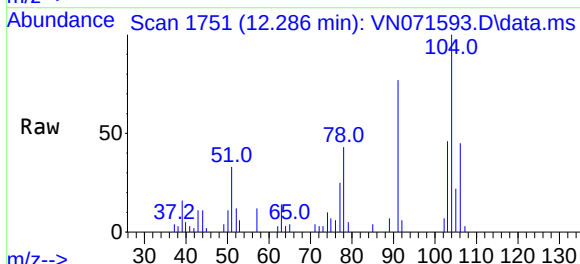
Instrument :
MSVOA_N
ClientSampleId :
MHB

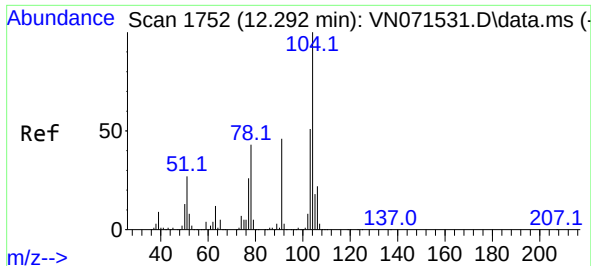
Tgt Ion:106 Resp: 12017
Ion Ratio Lower Upper
106 100
91 202.0 158.9 238.3



#69
o-Xylene
Concen: 0.286 ug/l
RT: 12.286 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion:106 Resp: 5611
Ion Ratio Lower Upper
106 100
91 204.4 106.0 318.0

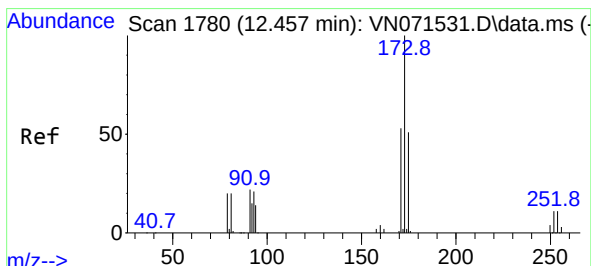
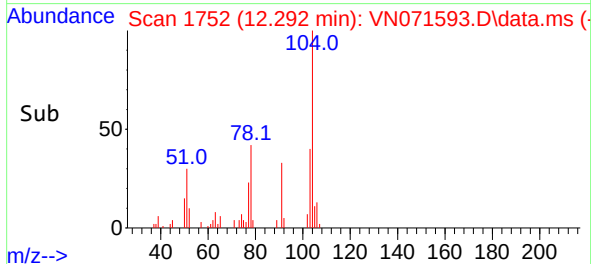
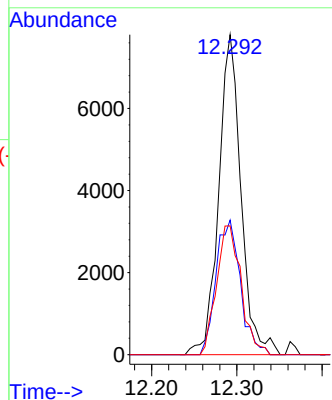
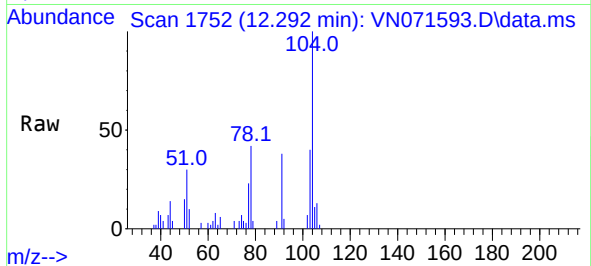




#70
Styrene
Concen: 0.463 ug/l
RT: 12.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

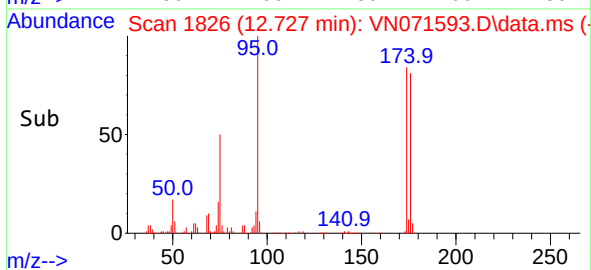
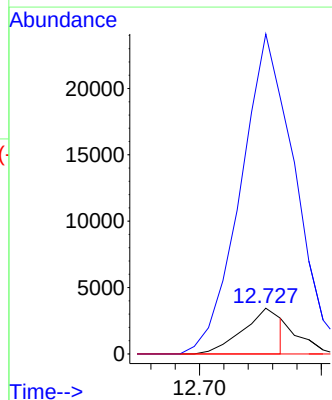
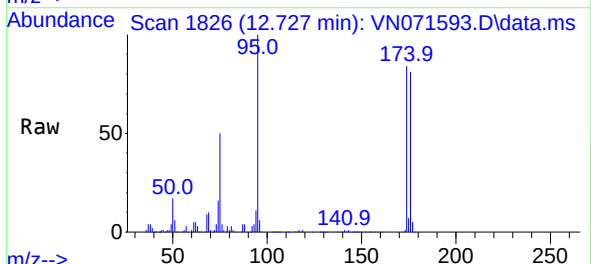
Instrument :
MSVOA_N
ClientSampleId :
MHB

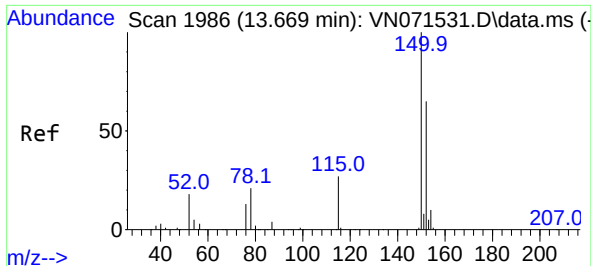
Tgt Ion:104 Resp: 14176
Ion Ratio Lower Upper
104 100
78 46.0 39.5 59.3
103 44.5 44.0 66.0



#71
Bromoform
Concen: 0.457 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

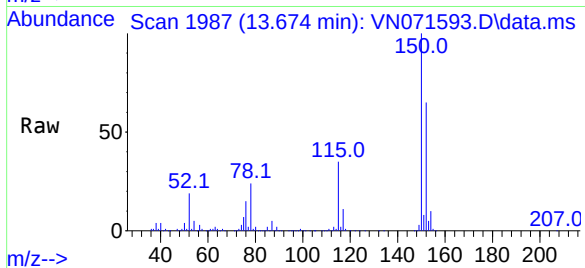
Tgt Ion:173 Resp: 3820
Ion Ratio Lower Upper
173 100
175 744.0 24.6 73.6#
254 0.0 0.1 0.1#



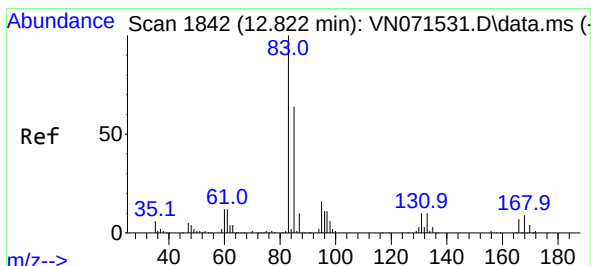
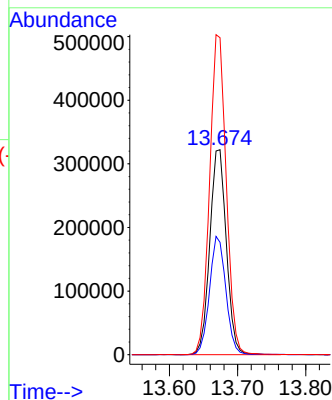
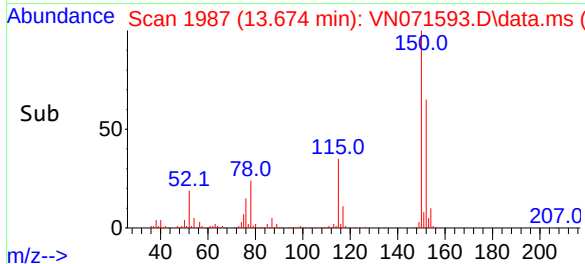


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071593.D
 Acq: 26 Mar 2022 23:28

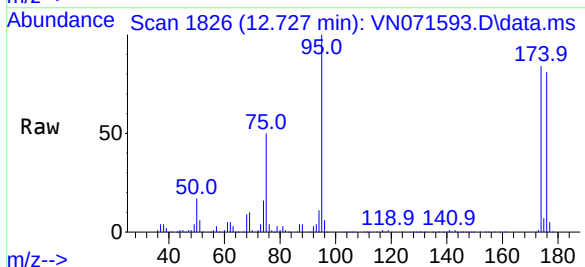
Instrument :
 MSVOA_N
 ClientSampleId :
 MHB



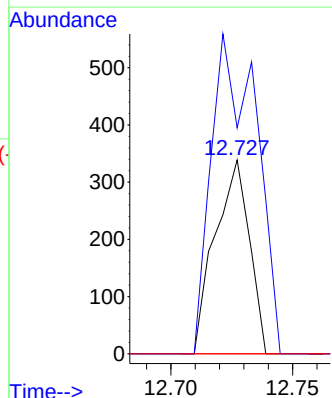
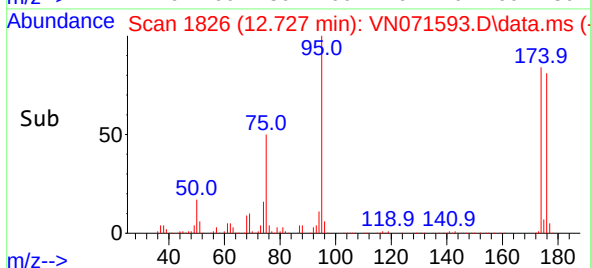
Tgt Ion:152 Resp: 546001
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.9 86.7
 150 156.3 0.0 356.2

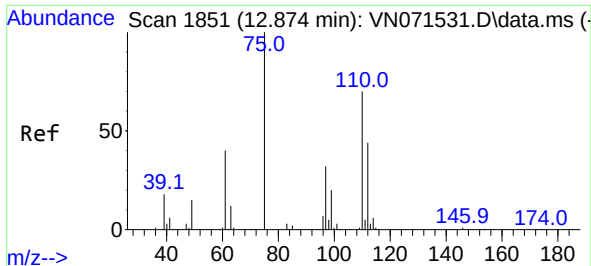


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.095 min
 Lab File: VN071593.D
 Acq: 26 Mar 2022 23:28



Tgt Ion: 83 Resp: 332
 Ion Ratio Lower Upper
 83 100
 131 216.3 5.3 15.9#
 85 0.0 32.3 96.9#

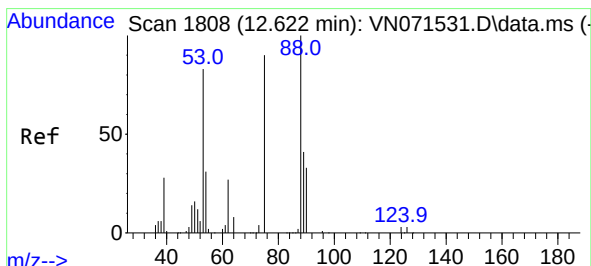
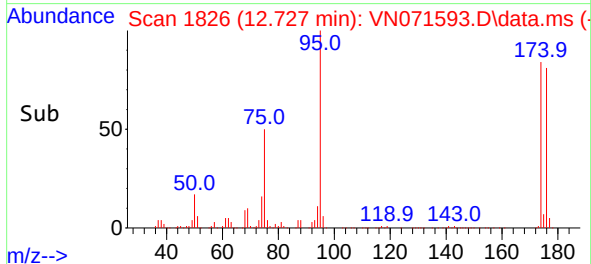
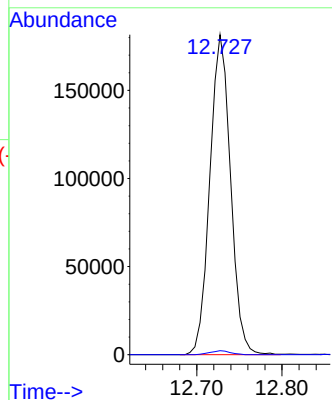
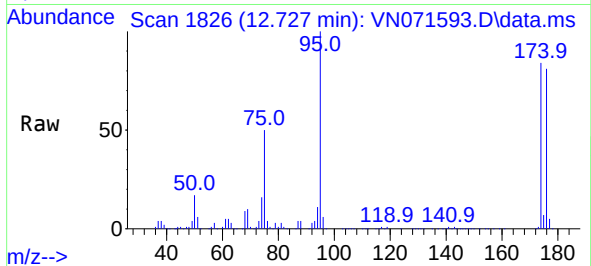




#76
 1,2,3-Trichloropropane
 Concen: 25.195 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN071593.D
 Acq: 26 Mar 2022 23:28

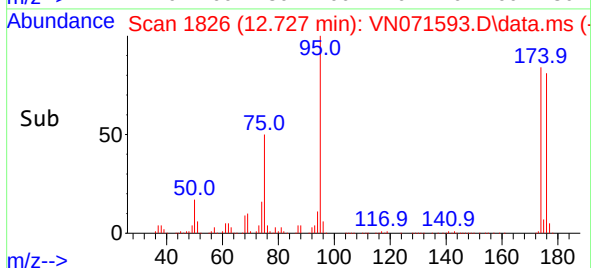
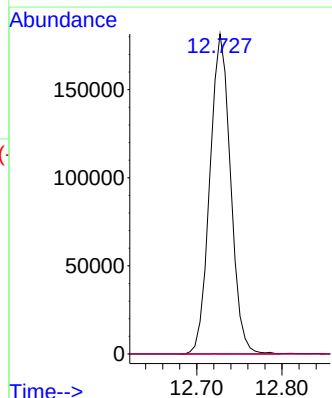
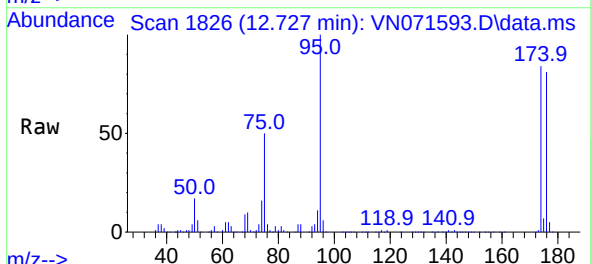
Instrument :
 MSVOA_N
 ClientSampleId :
 MHB

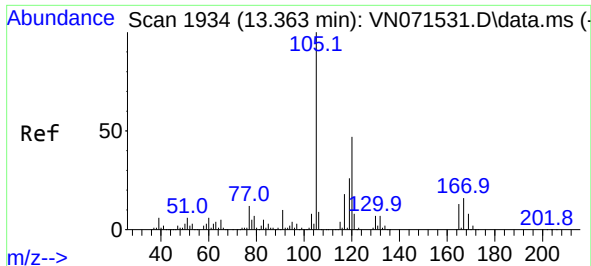
Tgt Ion: 75 Resp: 306754
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.454 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.106 min
 Lab File: VN071593.D
 Acq: 26 Mar 2022 23:28

Tgt Ion: 75 Resp: 306754
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

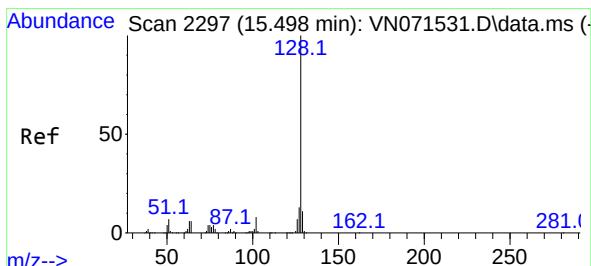
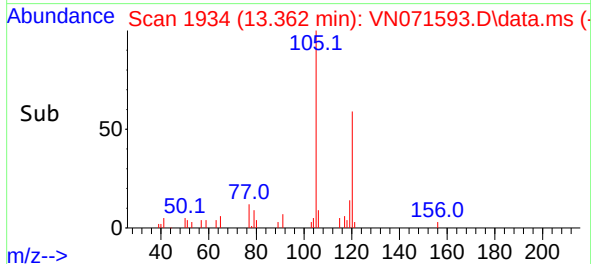
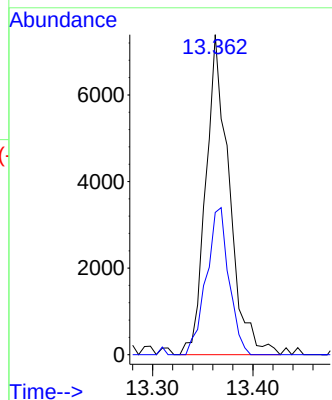
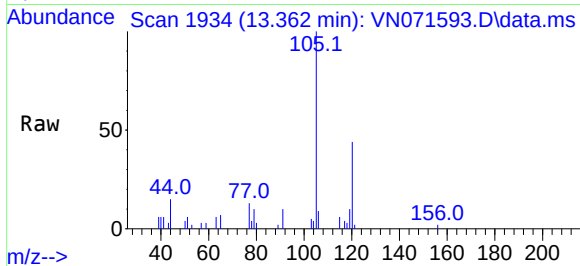




#84
1,2,4-Trimethylbenzene
Concen: 0.327 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Instrument :
MSVOA_N
ClientSampleId :
MHB

Tgt Ion:105 Resp: 11981
Ion Ratio Lower Upper
105 100
120 44.3 23.3 69.8



#95
Naphthalene
Concen: 4.882 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071593.D
Acq: 26 Mar 2022 23:28

Tgt Ion:128 Resp: 49527
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.0 8.6 13.0

