

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
 Data File : VN075092.D
 Acq On : 31 Oct 2022 17:23
 Operator : JC\MD
 Sample : N5371-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-2-WC

Quant Time: Nov 01 06:21:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

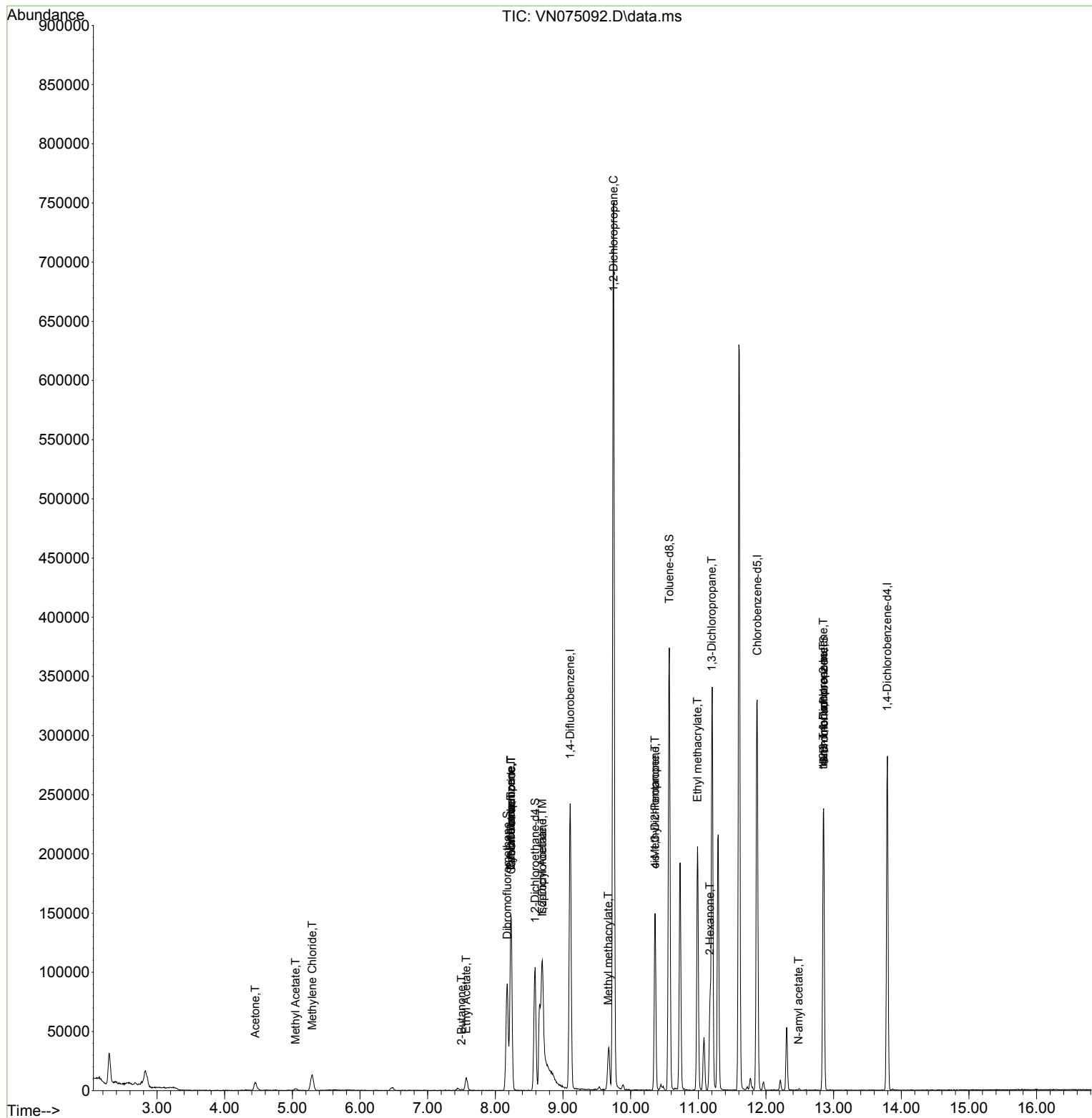
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	102696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	204793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	192680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	72790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	85111	61.509	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.020%	
35) Dibromofluoromethane	8.177	113	64840	53.933	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.860%	
50) Toluene-d8	10.571	98	257505	55.207	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.420%	
62) 4-Bromofluorobenzene	12.853	95	81671	49.845	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.680%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	84	Below Cal	#	5
16) Acetone	4.453	43	13437	22.934	ug/l	95
18) Methyl Acetate	5.047	43	2854	1.491	ug/l #	76
20) Methylene Chloride	5.295	84	10723	8.208	ug/l #	89
25) 2-Butanone	7.500	43	1293	1.403	ug/l #	43
31) Cyclohexane	8.230	56	2591	1.259	ug/l #	2
36) 1,1-Dichloropropene	8.230	75	9583	5.149	ug/l #	49
37) Ethyl Acetate	7.571	43	15769	7.725	ug/l	98
38) Carbon Tetrachloride	8.236	117	11600	5.666	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	677	0.327	ug/l #	75
43) Isopropyl Acetate	8.694	43	201278	63.571	ug/l #	68
45) 1,2-Dichloropropane	9.747	63	689	0.508	ug/l #	42
48) Methyl methacrylate	9.671	41	2031	1.398	ug/l #	36
51) 4-Methyl-2-Pentanone	10.359	43	54129	26.493	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	27464	11.989	ug/l #	67
56) Ethyl methacrylate	10.988	69	729	0.316	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3649	1.451	ug/l #	42
59) 2-Hexanone	11.171	43	57094	36.818	ug/l #	21
71) Bromoform	12.853	173	710	0.622	ug/l #	1
74) N-amyl acetate	12.482	43	681	0.315	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	45260	29.285	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	45260	75.173	ug/l #	10

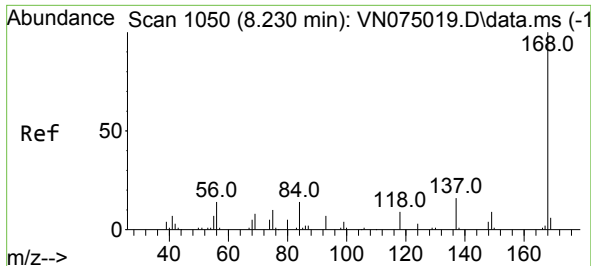
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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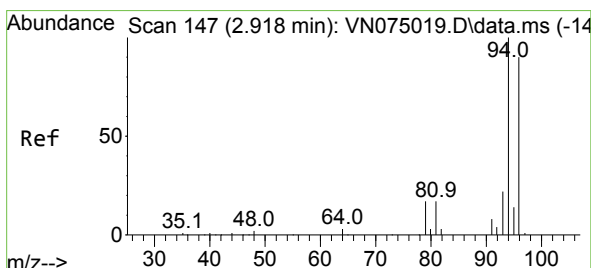
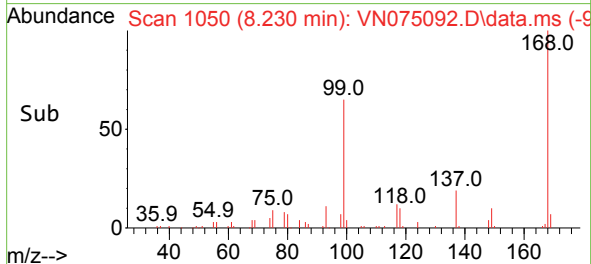
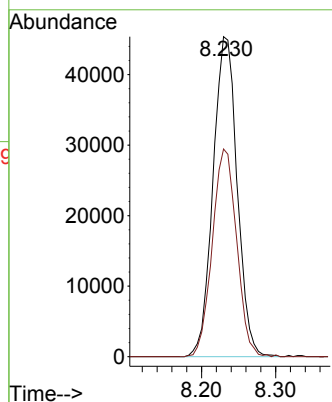
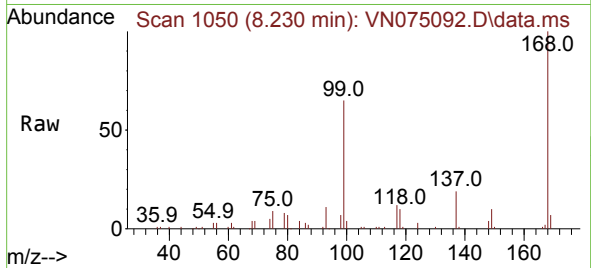




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

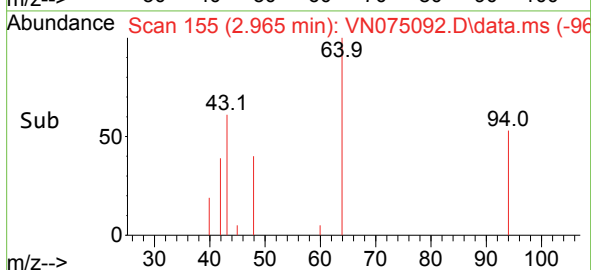
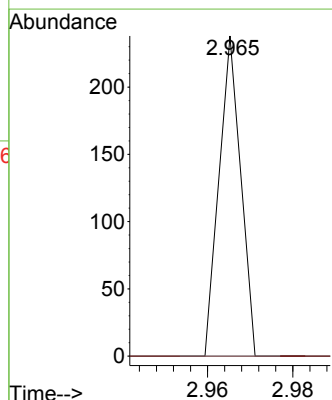
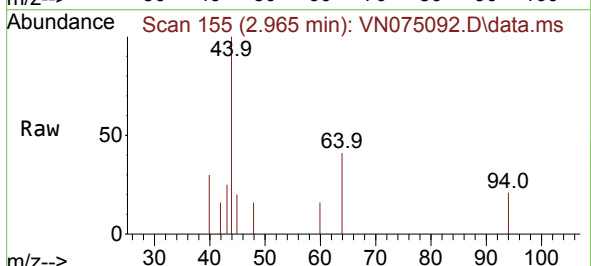
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

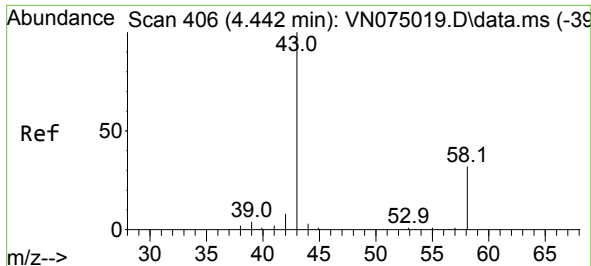
Tgt Ion:168 Resp: 102696
Ion Ratio Lower Upper
168 100
99 64.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 155
Delta R.T. 0.047 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 94 Resp: 84
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

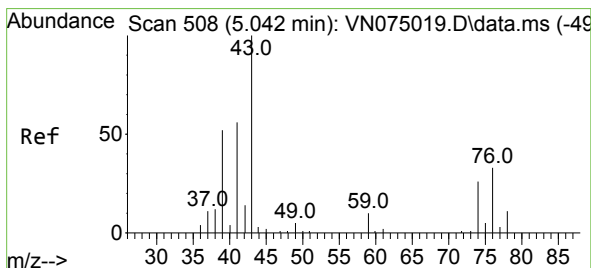
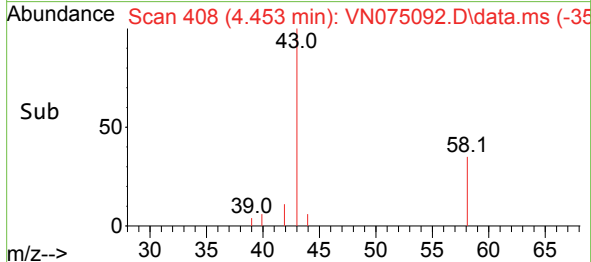
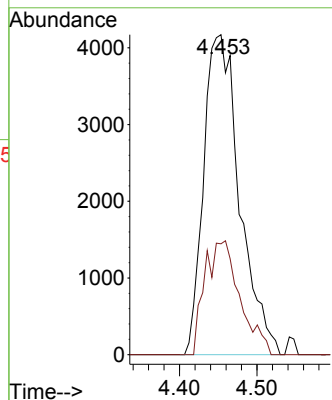
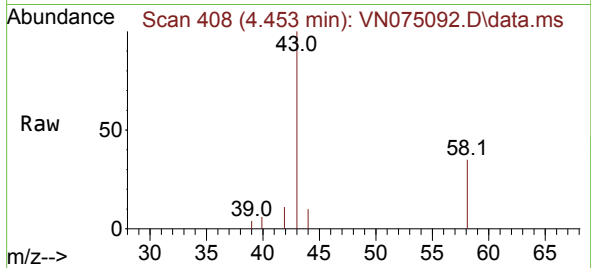




#16
Acetone
Concen: 22.934 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

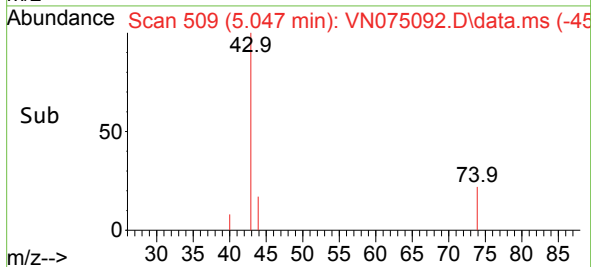
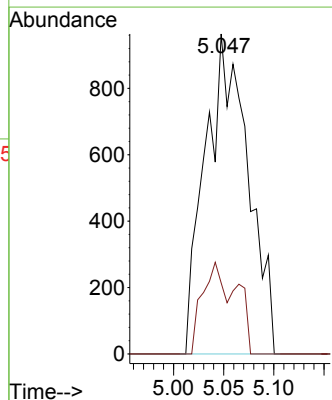
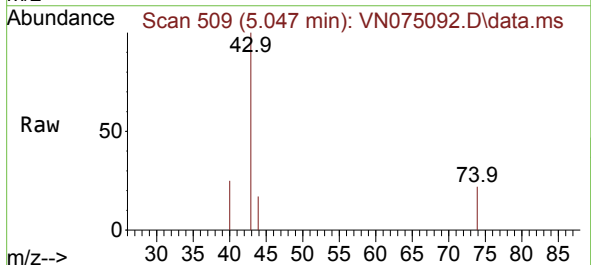
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

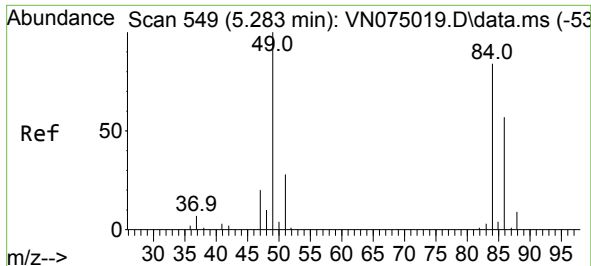
Tgt Ion: 43 Resp: 13437
Ion Ratio Lower Upper
43 100
58 34.7 25.5 38.3



#18
Methyl Acetate
Concen: 1.491 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
74 15.0 22.0 33.0#

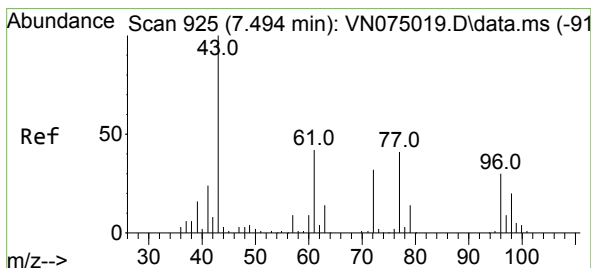
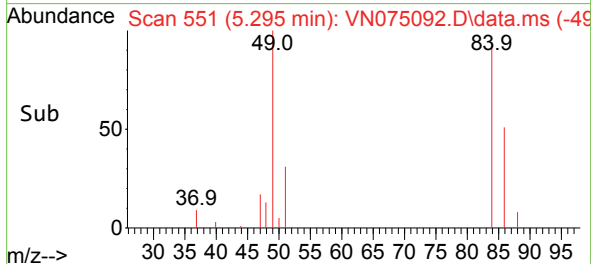
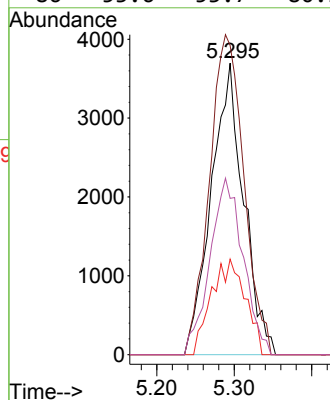
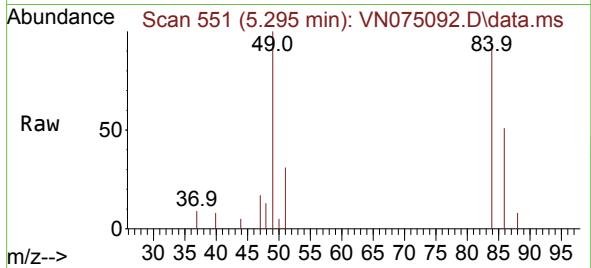




#20
Methylene Chloride
Concen: 8.208 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

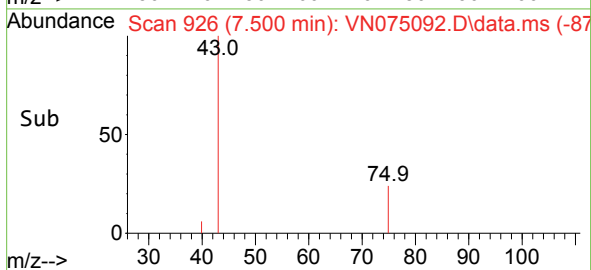
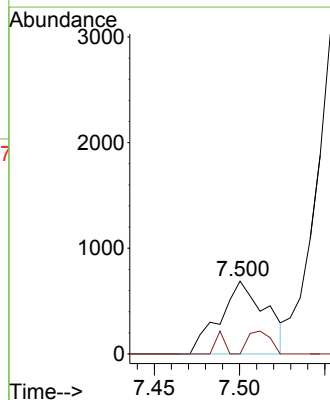
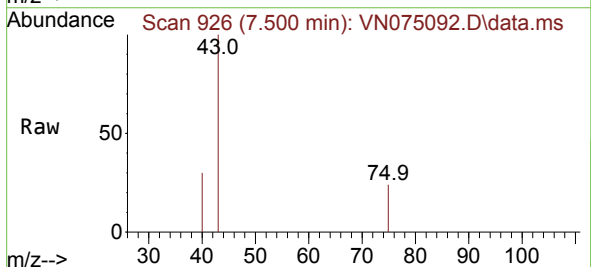
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

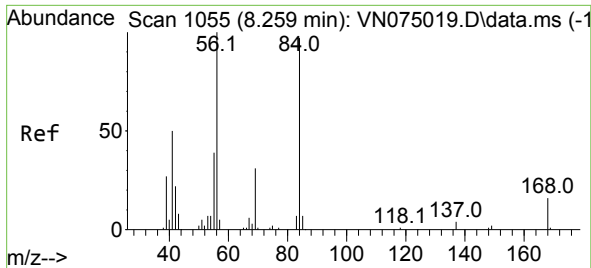
Tgt Ion: 84 Resp: 10723
Ion Ratio Lower Upper
84 100
49 106.1 94.9 142.3
51 32.8 26.8 40.2
86 53.6 53.7 80.5#



#25
2-Butanone
Concen: 1.403 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 43 Resp: 1293
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#

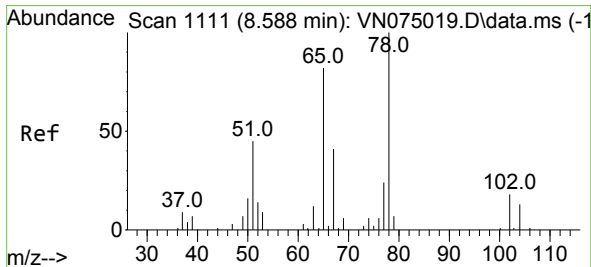
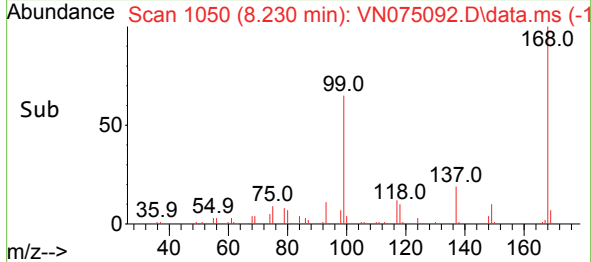
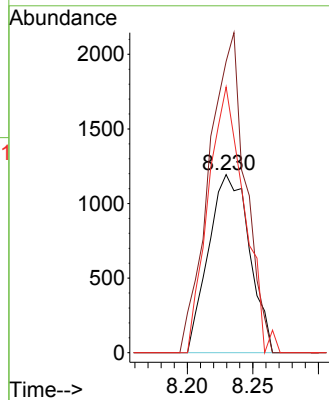
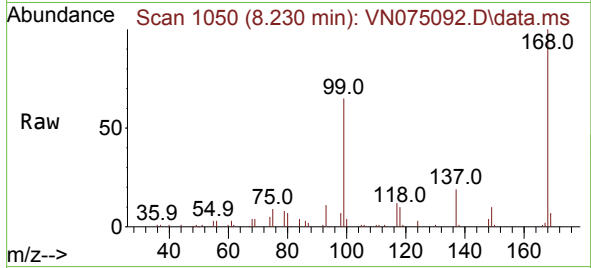




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

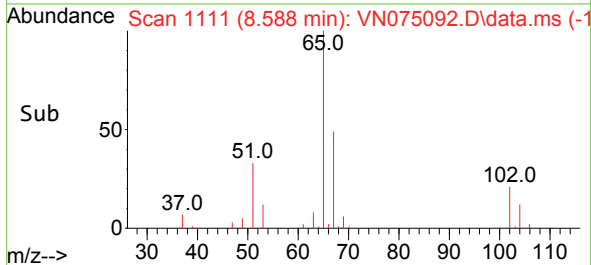
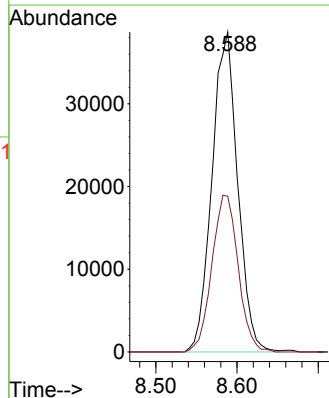
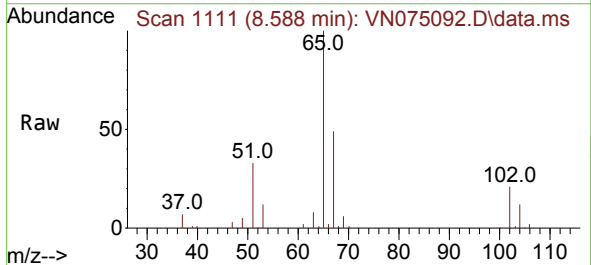
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

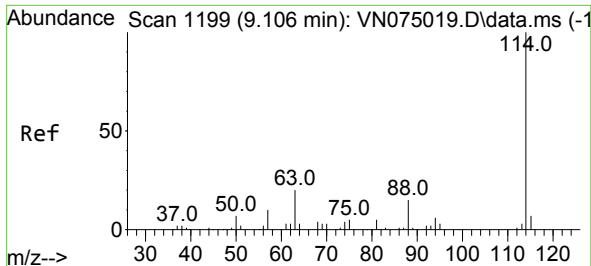
Tgt Ion: 56 Resp: 2591
Ion Ratio Lower Upper
56 100
69 163.5 25.2 37.8#
84 149.2 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 61.509 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 65 Resp: 85111
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.0

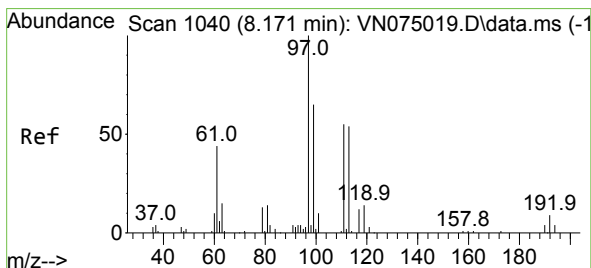
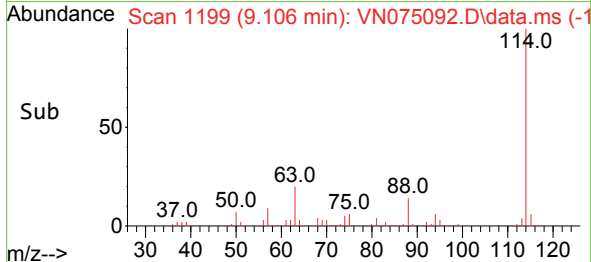
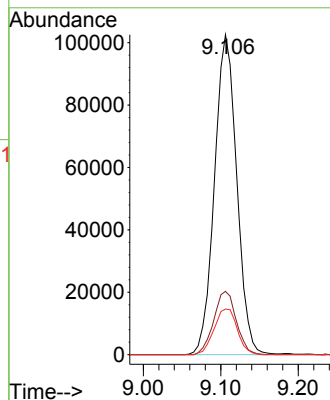
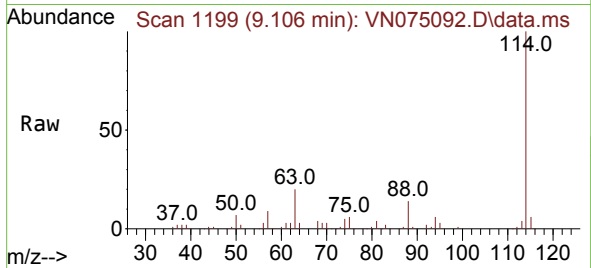




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

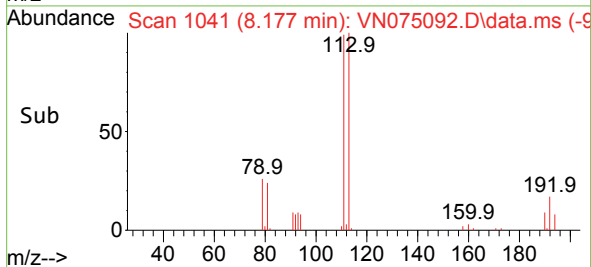
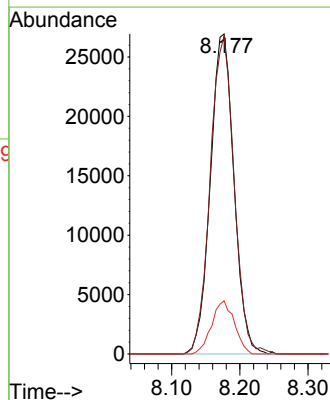
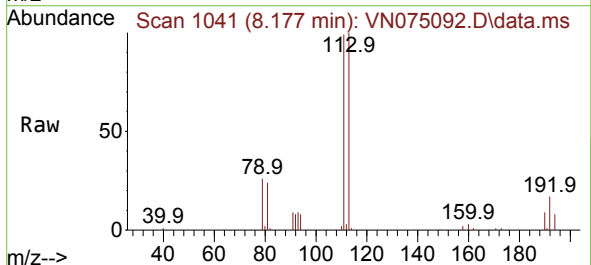
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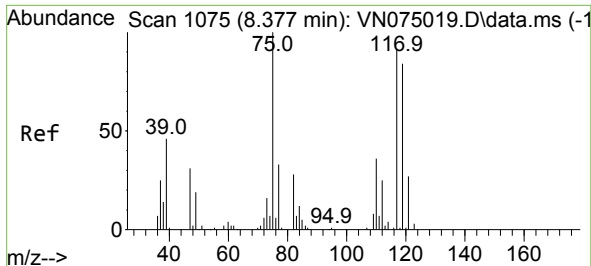
Tgt Ion:114 Resp: 204793
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 14.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.933 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion:113 Resp: 64840
Ion Ratio Lower Upper
113 100
111 100.7 80.5 120.7
192 16.0 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075092.D

Acq: 31 Oct 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MH-2-WC

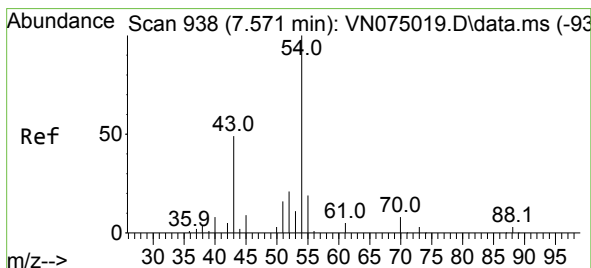
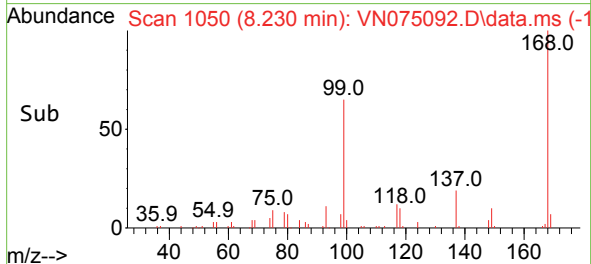
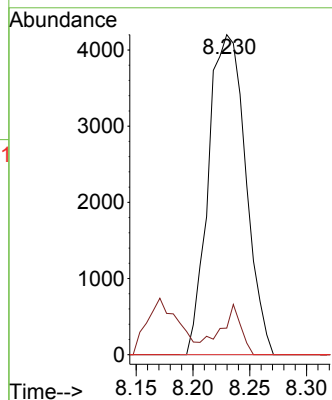
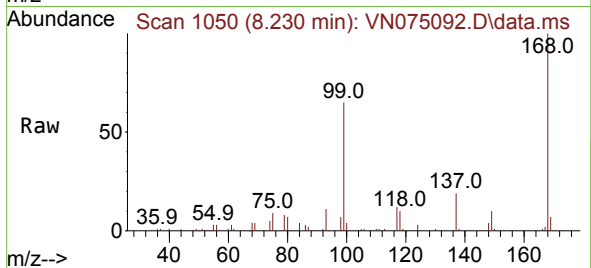
Tgt Ion: 75 Resp: 9583

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 7.725 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075092.D

Acq: 31 Oct 2022 17:23

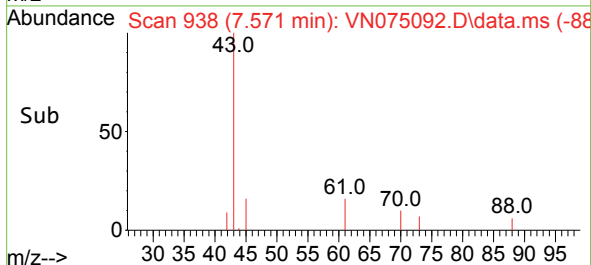
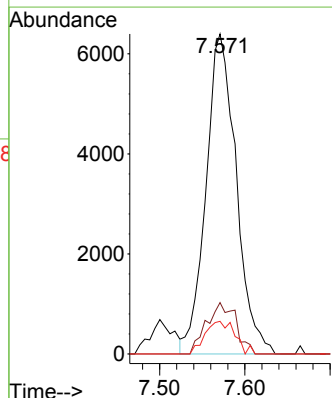
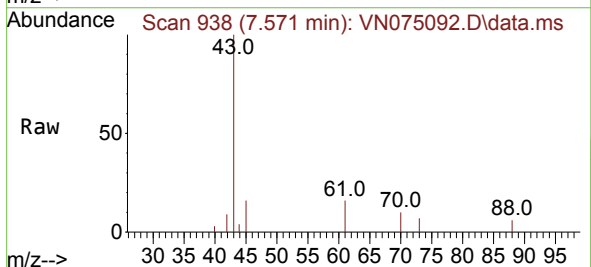
Tgt Ion: 43 Resp: 15769

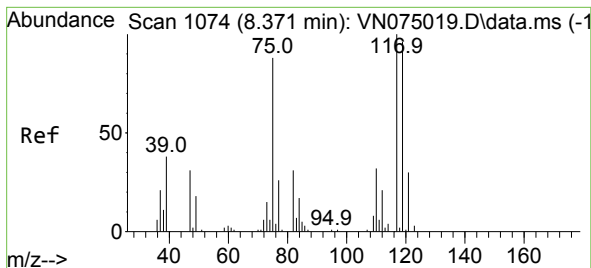
Ion Ratio Lower Upper

43 100

61 15.6 12.2 18.4

70 10.1 9.4 14.2





#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 8.236 min Scan# 110

Delta R.T. -0.136 min

Lab File: VN075092.D

Acq: 31 Oct 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MH-2-WC

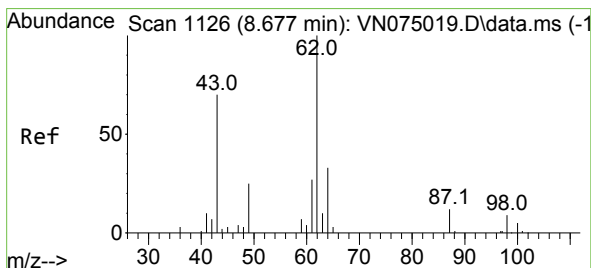
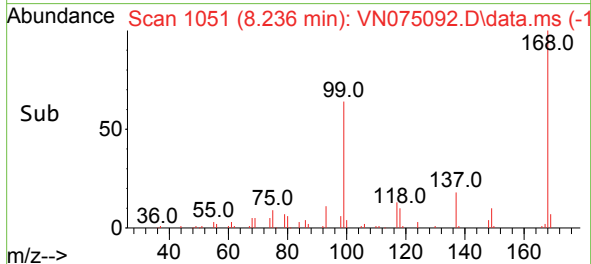
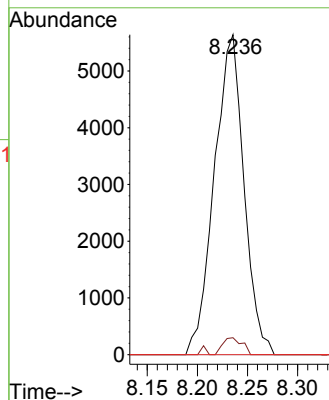
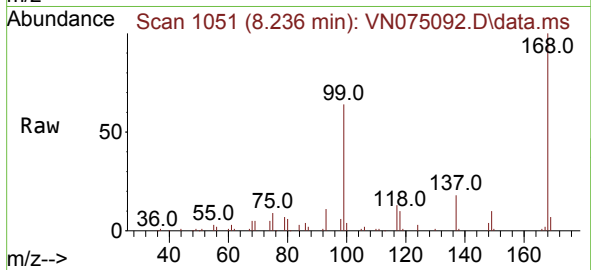
Tgt Ion:117 Resp: 11600

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.327 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN075092.D

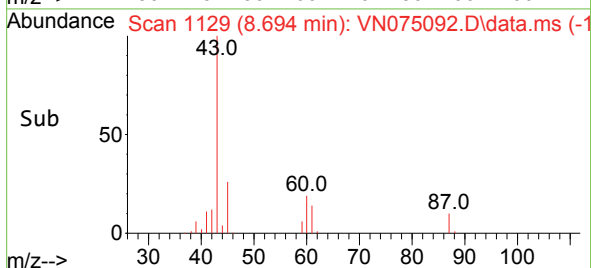
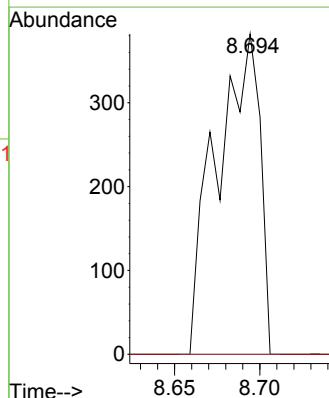
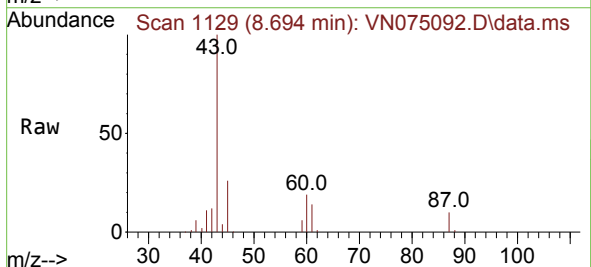
Acq: 31 Oct 2022 17:23

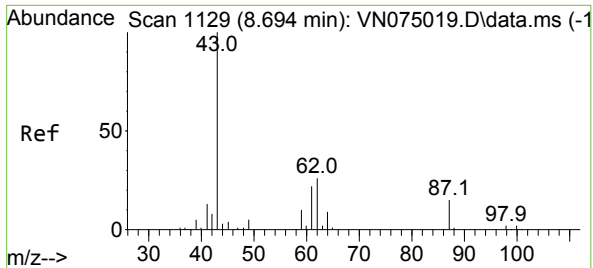
Tgt Ion: 62 Resp: 677

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

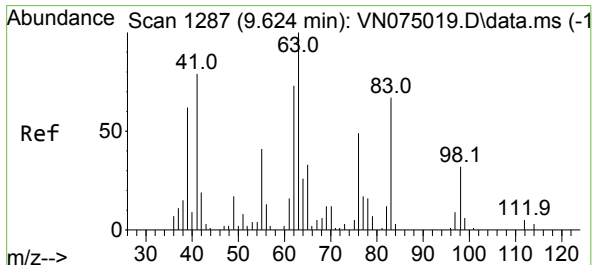
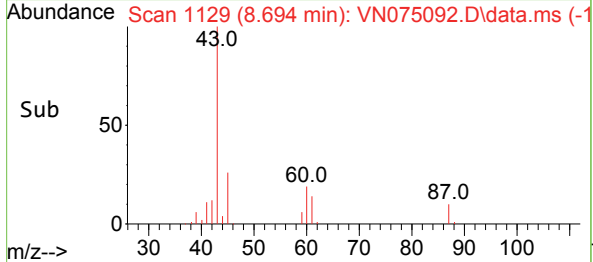
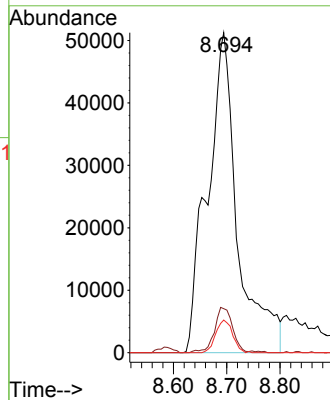
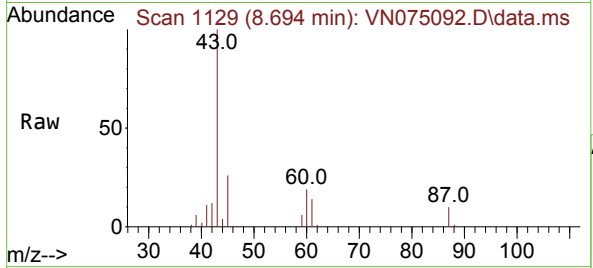




#43
Isopropyl Acetate
Concen: 63.571 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

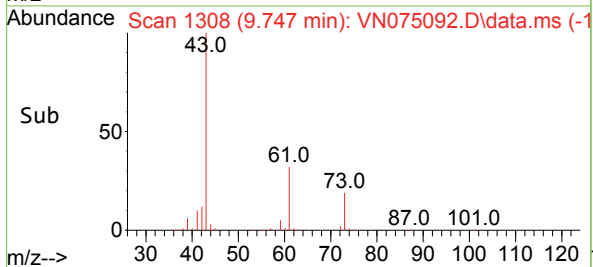
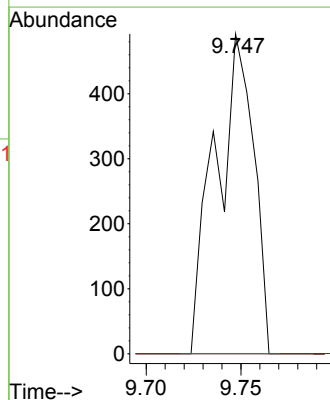
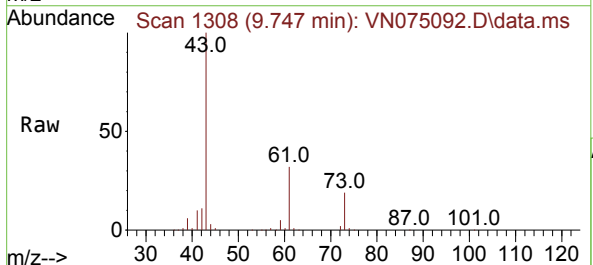
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

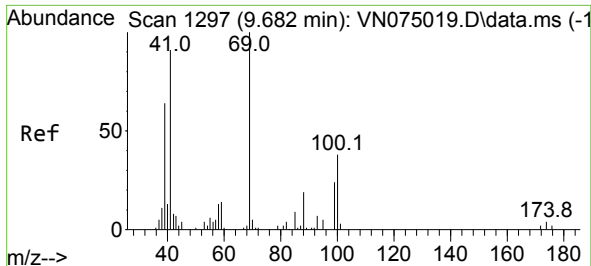
Tgt Ion: 43 Resp: 201278
Ion Ratio Lower Upper
43 100
61 8.5 22.4 33.6#
87 5.7 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.508 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 63 Resp: 689
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

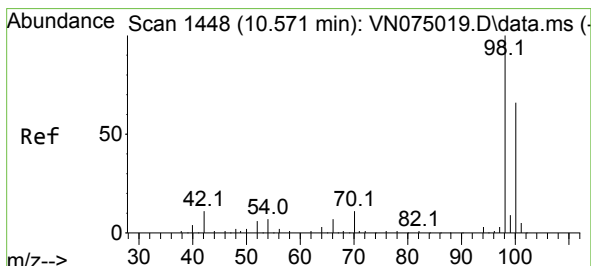
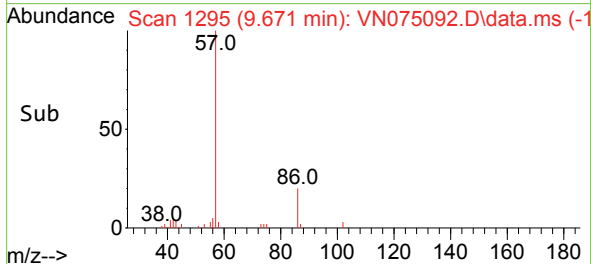
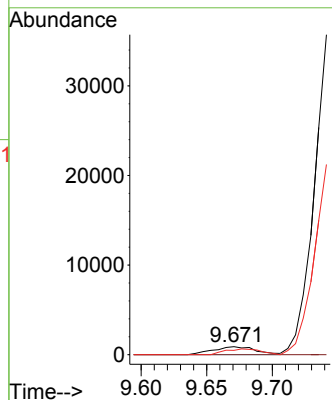
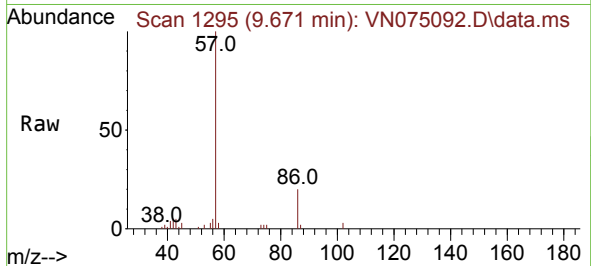




#48
Methyl methacrylate
Concen: 1.398 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

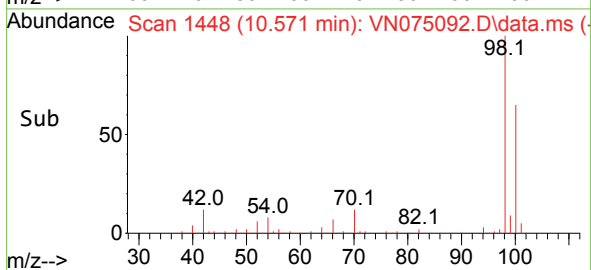
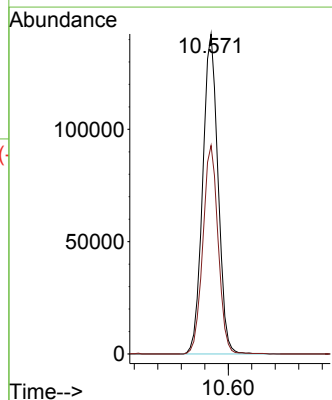
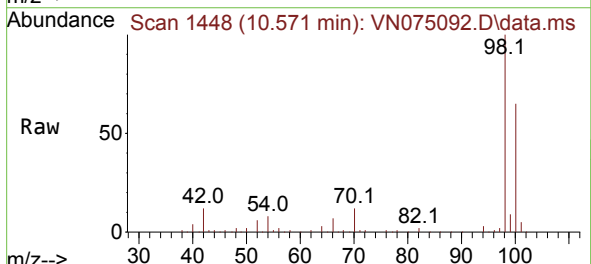
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

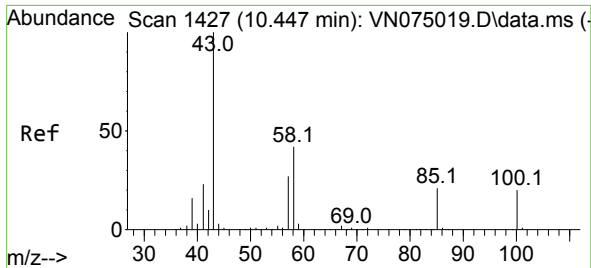
Tgt Ion: 41 Resp: 2031
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 59.6 56.2 84.2



#50
Toluene-d8
Concen: 55.207 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 98 Resp: 257505
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.6

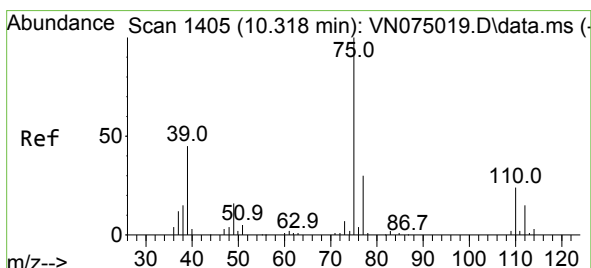
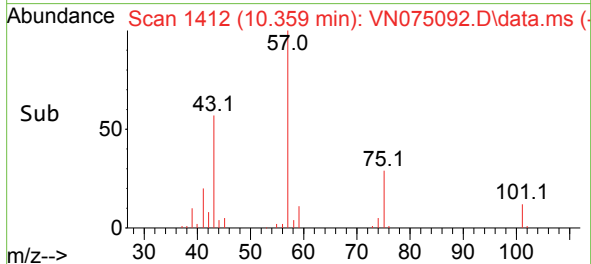
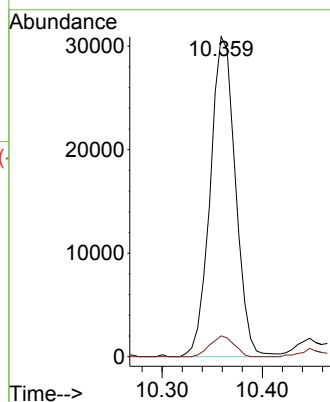
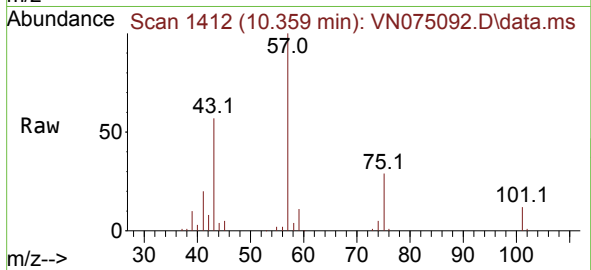




#51
4-Methyl-2-Pentanone
Concen: 26.493 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

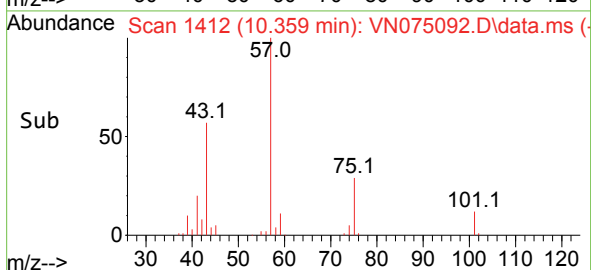
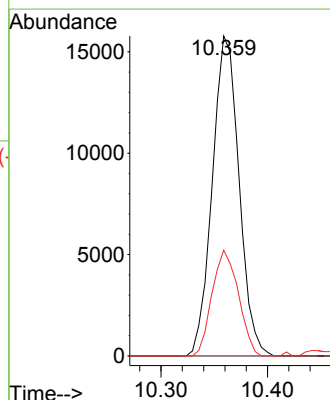
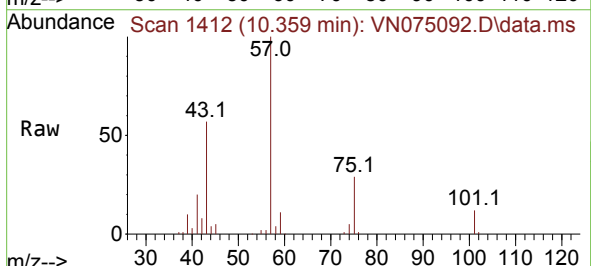
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

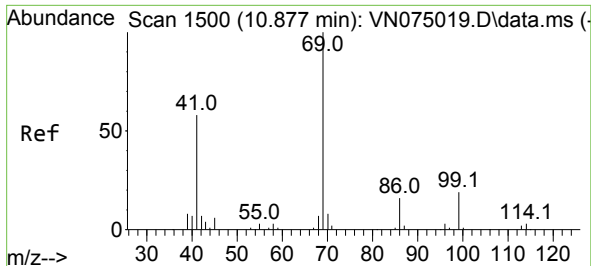
Tgt Ion: 43 Resp: 54129
Ion Ratio Lower Upper
43 100
58 6.2 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 11.989 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 75 Resp: 27464
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 33.0 35.8 53.6#

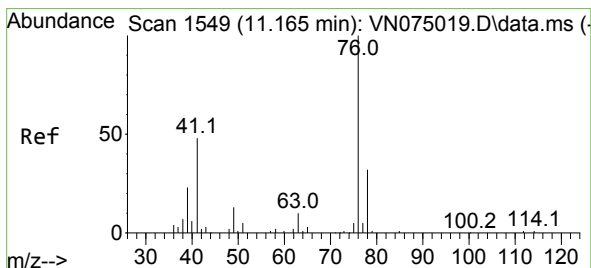
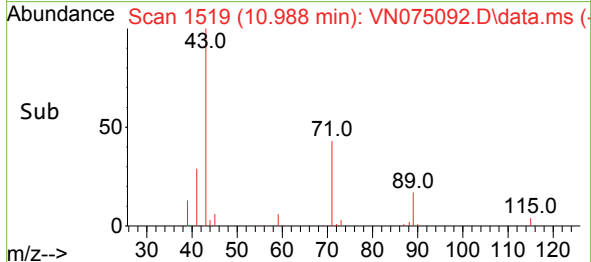
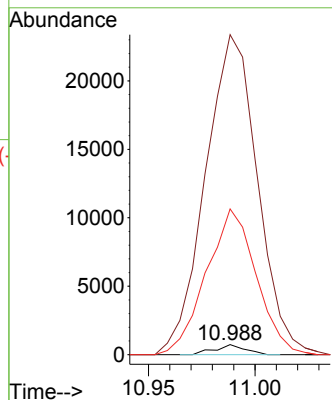
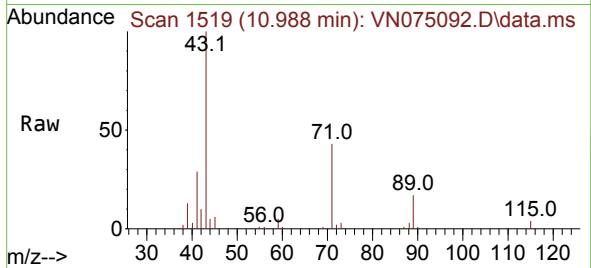




#56
Ethyl methacrylate
Concen: 0.316 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

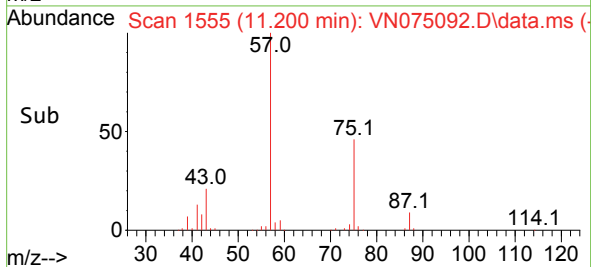
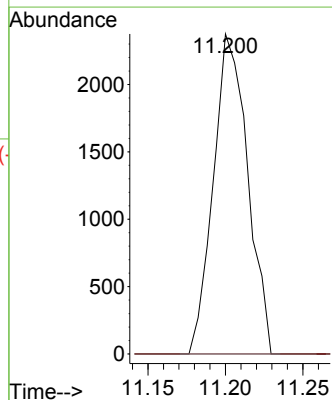
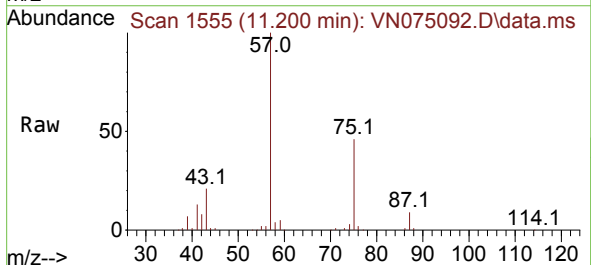
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

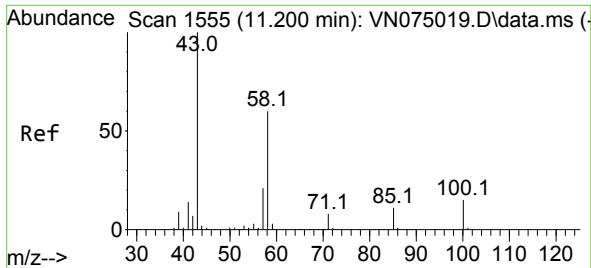
Tgt Ion: 69 Resp: 729
Ion Ratio Lower Upper
69 100
41 5471.7 45.6 68.4#
39 2385.6 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.451 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 76 Resp: 3649
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

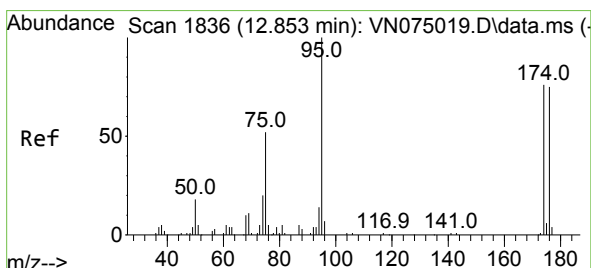
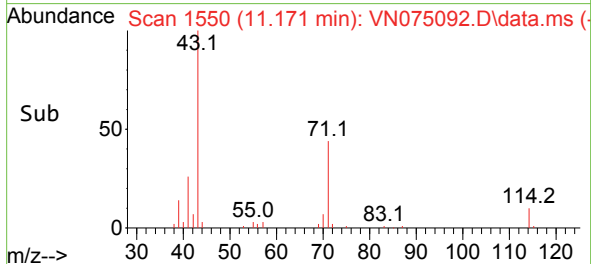
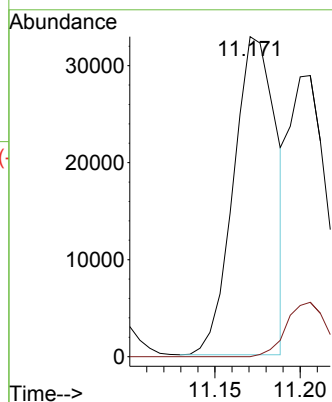
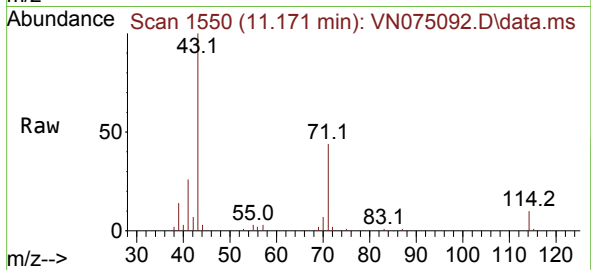




#59
2-Hexanone
Concen: 36.818 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

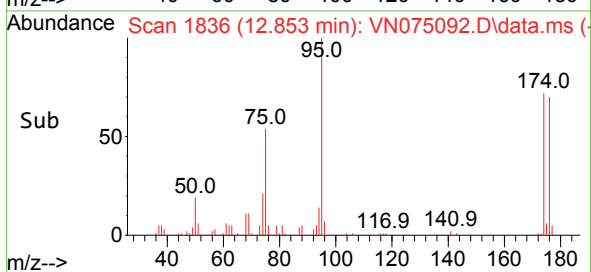
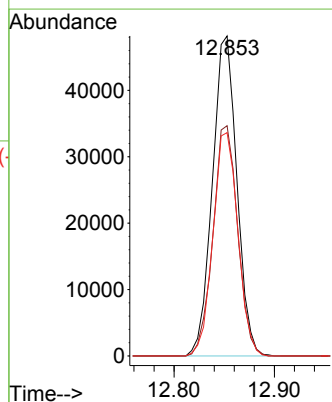
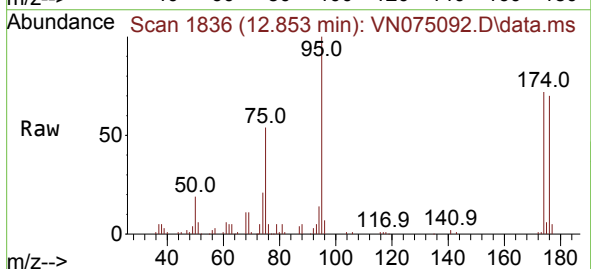
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

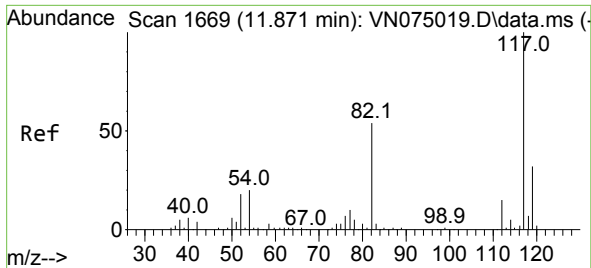
Tgt Ion: 43 Resp: 57094
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.845 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 95 Resp: 81671
Ion Ratio Lower Upper
95 100
174 72.4 0.0 147.4
176 70.9 0.0 142.2

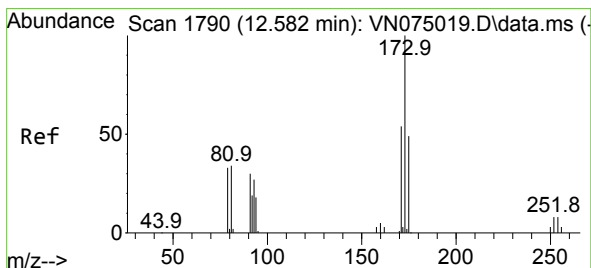
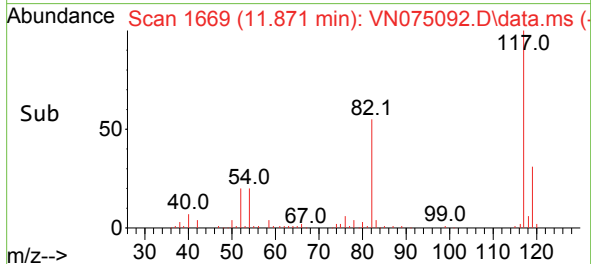
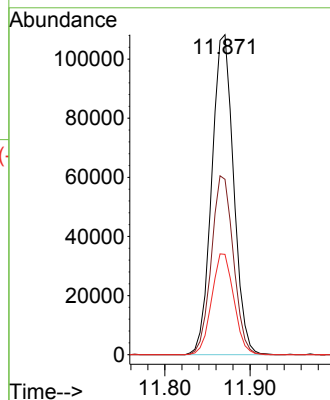
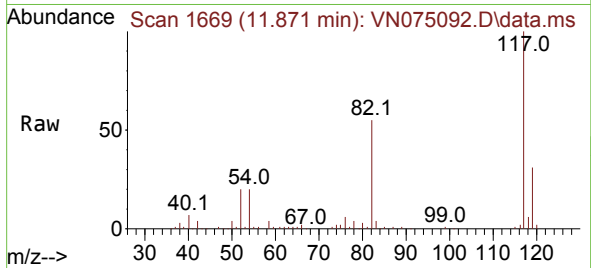




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

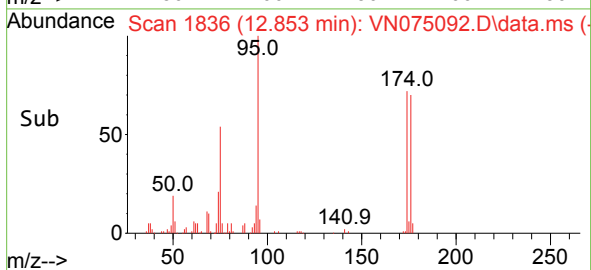
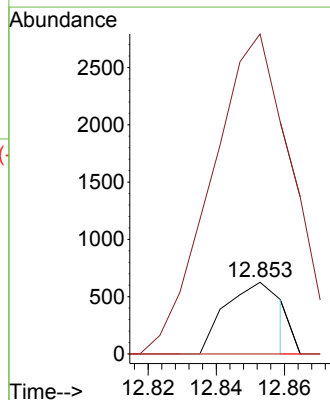
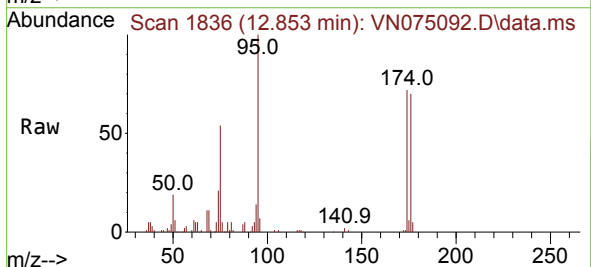
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

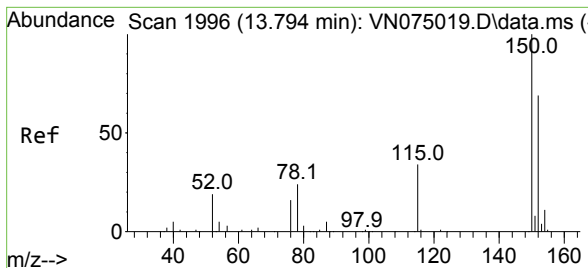
Tgt Ion:117 Resp: 192680
Ion Ratio Lower Upper
117 100
82 54.8 43.1 64.7
119 31.3 25.5 38.3



#71
Bromoform
Concen: 0.622 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion:173 Resp: 710
Ion Ratio Lower Upper
173 100
175 550.0 24.6 74.0#
254 0.0 0.0 0.0

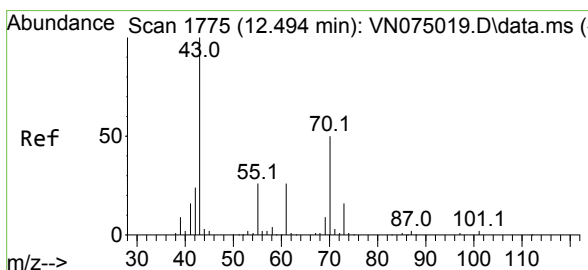
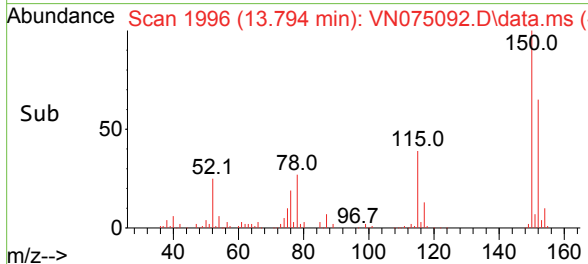
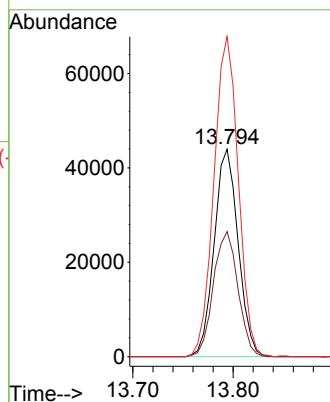
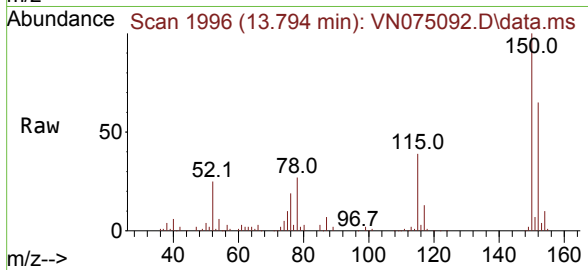




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

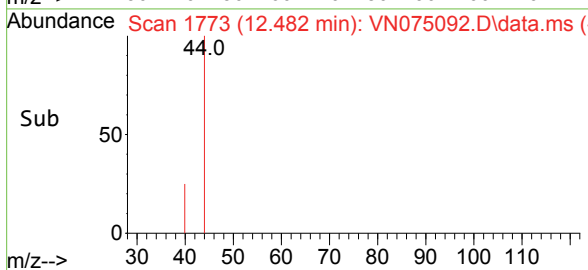
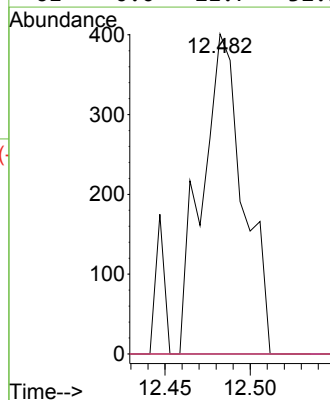
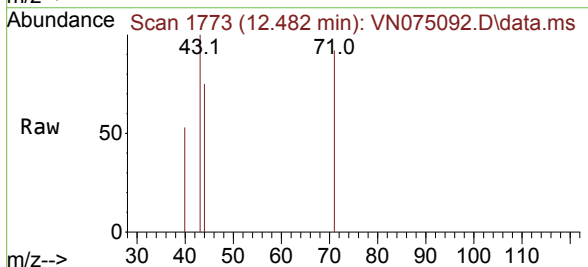
Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

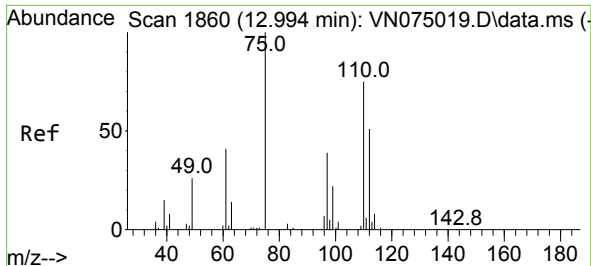
Tgt Ion:152 Resp: 72790
Ion Ratio Lower Upper
152 100
115 61.9 30.2 90.6
150 156.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.315 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

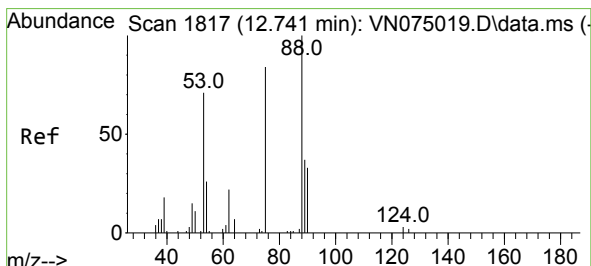
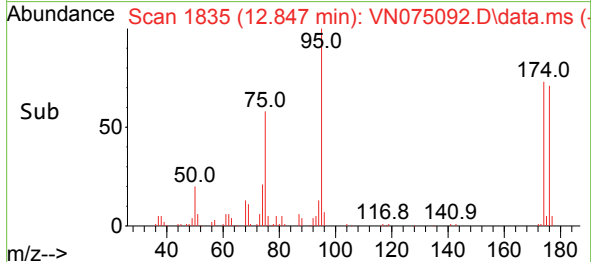
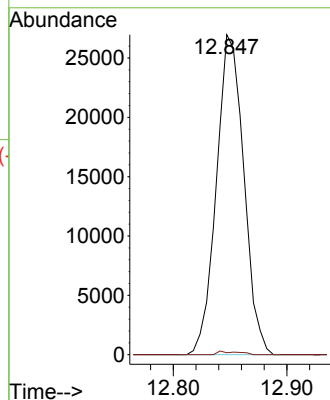
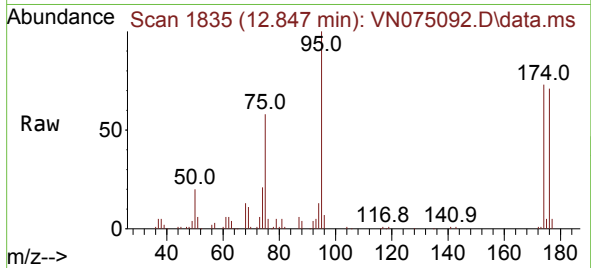




#76
1,2,3-Trichloropropane
Concen: 29.285 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Instrument :
MSVOA_N
ClientSampleId :
MH-2-WC

Tgt Ion: 75 Resp: 45260
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.173 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075092.D
Acq: 31 Oct 2022 17:23

Tgt Ion: 75 Resp: 45260
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

