

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
 Data File : VN075090.D
 Acq On : 31 Oct 2022 16:35
 Operator : JC\MD
 Sample : N5371-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-6-WC

Quant Time: Nov 01 06:19:29 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

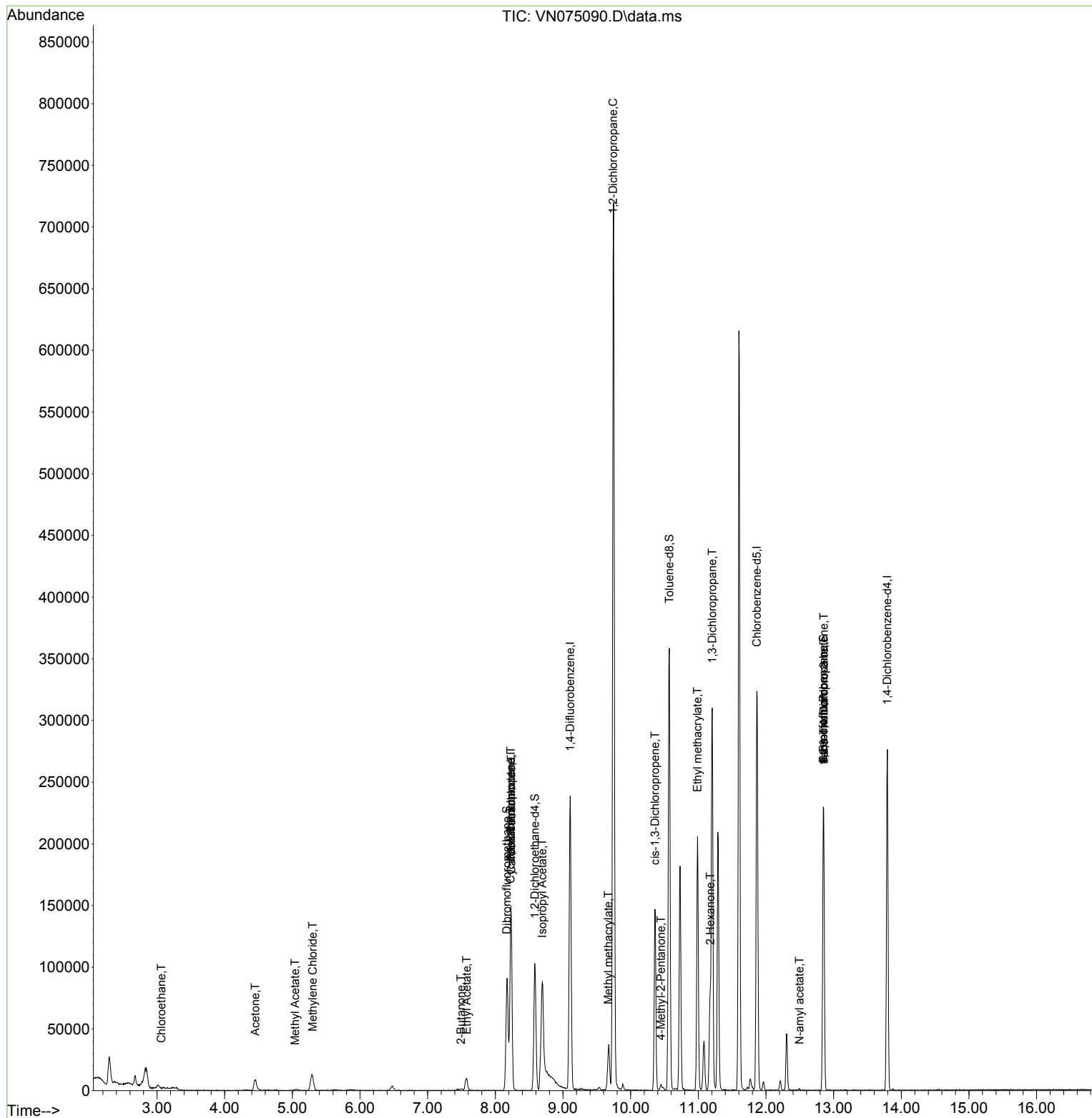
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	103982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	202380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	186121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	83551	59.635	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.280%
35) Dibromofluoromethane	8.171	113	64100	53.953	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.900%
50) Toluene-d8	10.571	98	252986	54.885	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.760%
62) 4-Bromofluorobenzene	12.847	95	78737	48.627	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.260%
Target Compounds						Qvalue
6) Chloroethane	3.065	64	441	0.300	ug/l #	45
16) Acetone	4.453	43	17600	29.668	ug/l	99
18) Methyl Acetate	5.042	43	855	0.441	ug/l #	47
20) Methylene Chloride	5.300	84	10660	8.059	ug/l	95
25) 2-Butanone	7.494	43	2421	2.595	ug/l	94
31) Cyclohexane	8.224	56	2500	1.200	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	9648	5.245	ug/l #	50
37) Ethyl Acetate	7.577	43	15348	7.609	ug/l	97
38) Carbon Tetrachloride	8.235	117	11187	5.529	ug/l #	12
43) Isopropyl Acetate	8.694	43	114302	36.531	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	877	0.654	ug/l #	42
48) Methyl methacrylate	9.671	41	2271	1.582	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	3163	1.567	ug/l	88
54) cis-1,3-Dichloropropene	10.359	75	26730	11.808	ug/l #	68
56) Ethyl methacrylate	10.988	69	644	0.283	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3297	1.326	ug/l #	42
59) 2-Hexanone	11.176	43	56565	36.912	ug/l #	21
71) Bromoform	12.847	173	491	0.445	ug/l #	1
74) N-amyl acetate	12.494	43	488	0.236	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	43746	29.624	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	43746	76.044	ug/l #	10

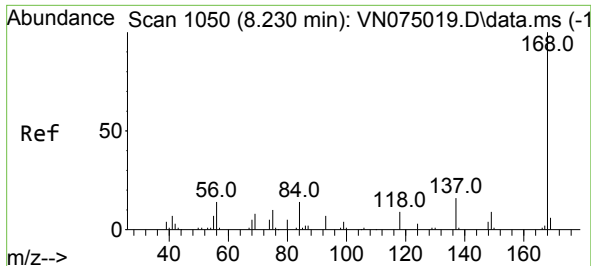
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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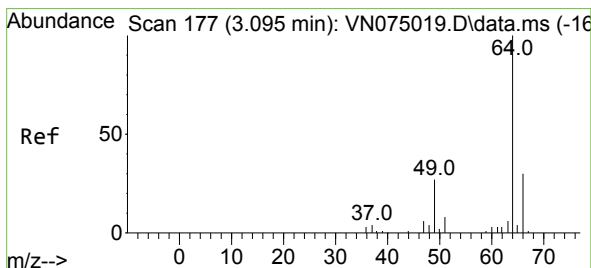
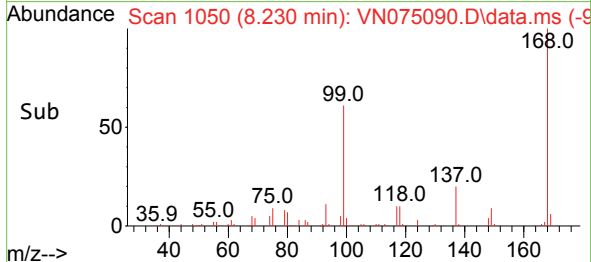
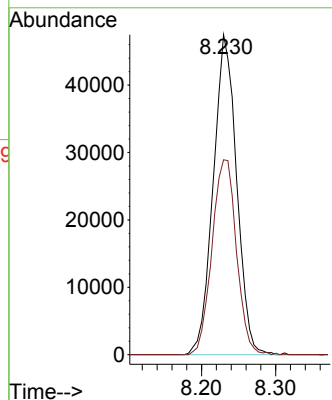
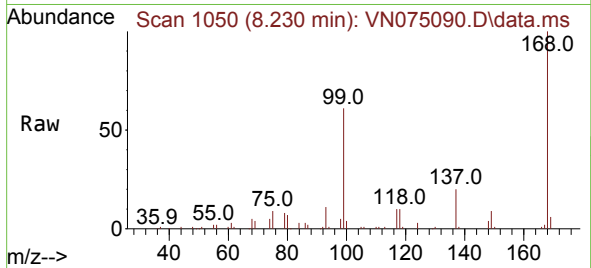




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

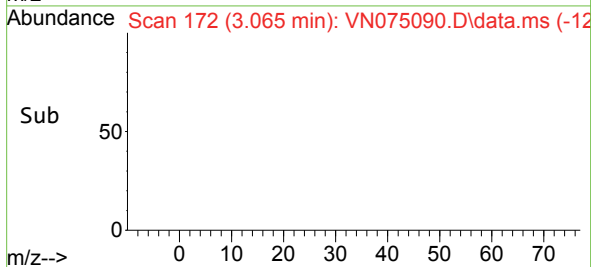
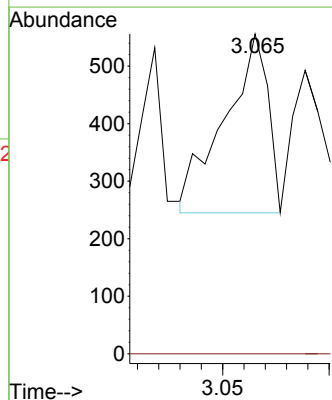
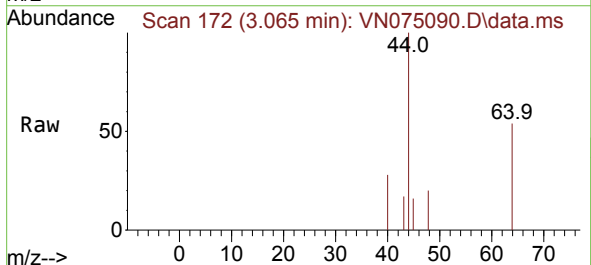
Instrument :
MSVOA_N
ClientSampleId :
MH-6-WC

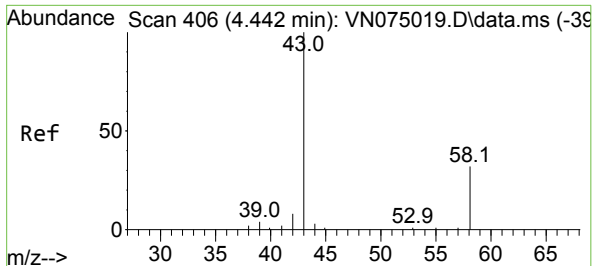
Tgt Ion:168 Resp: 103982
Ion Ratio Lower Upper
168 100
99 60.9 51.6 77.4



#6
Chloroethane
Concen: 0.300 ug/l
RT: 3.065 min Scan# 172
Delta R.T. -0.030 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion: 64 Resp: 441
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

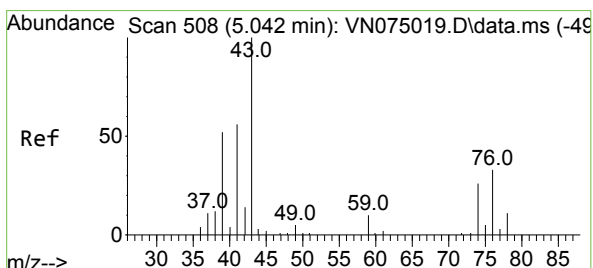
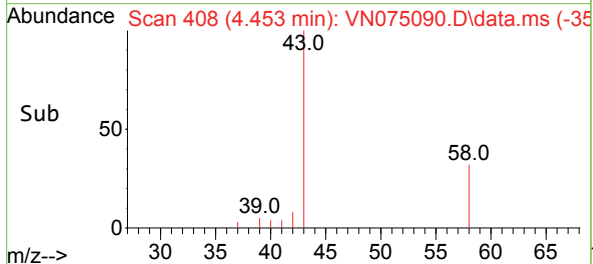
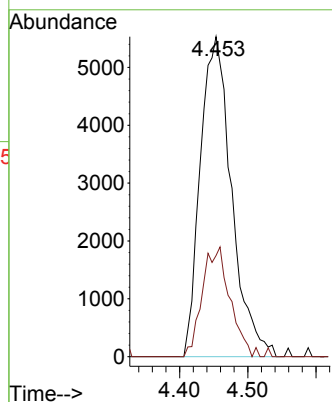
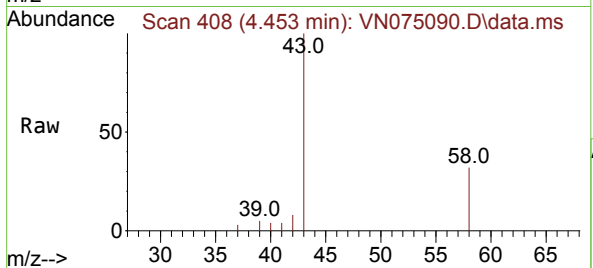




#16
Acetone
Concen: 29.668 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

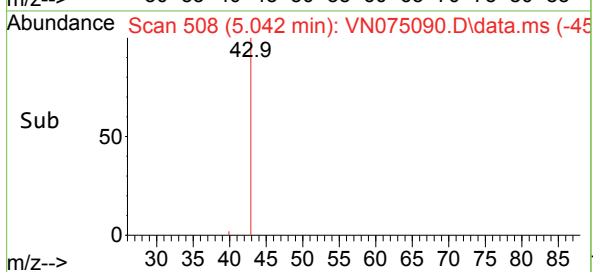
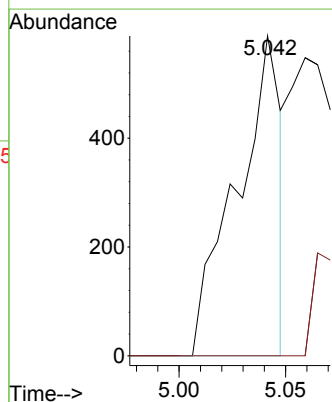
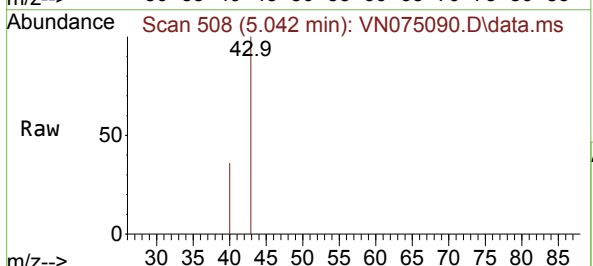
Instrument :
MSVOA_N
ClientSampleId :
MH-6-WC

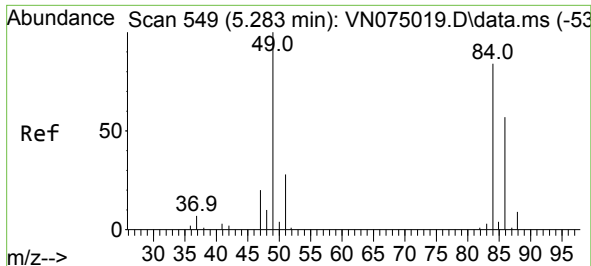
Tgt Ion: 43 Resp: 17600
Ion Ratio Lower Upper
43 100
58 31.6 25.5 38.3



#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



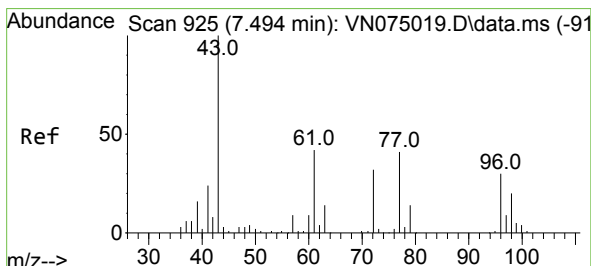
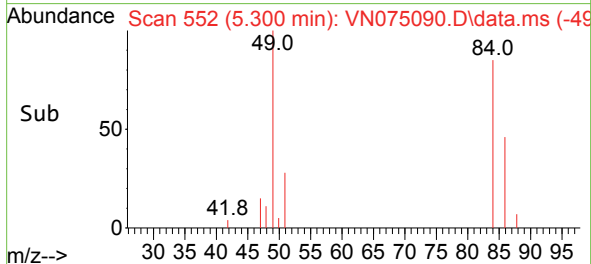
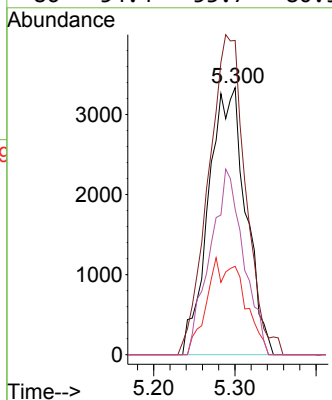
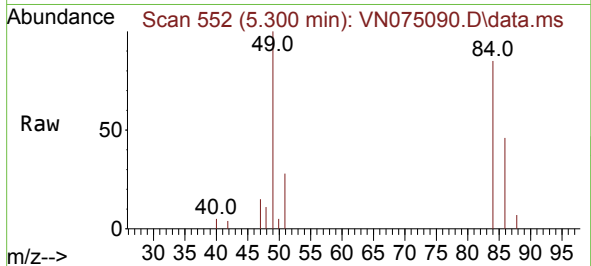


#20
Methylene Chloride
Concen: 8.059 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Instrument :
MSVOA_N
ClientSampleId :
MH-6-WC

Tgt Ion: 84 Resp: 10660

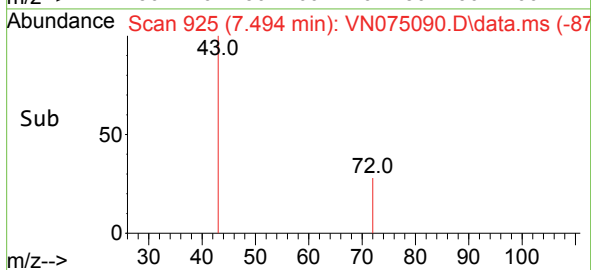
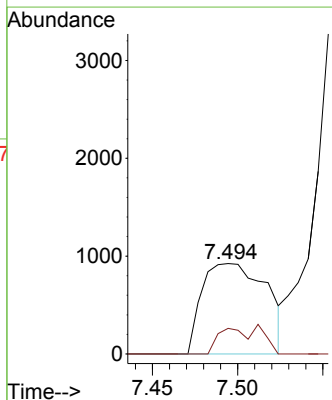
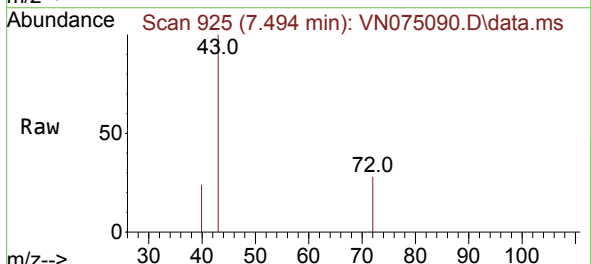
Ion	Ratio	Lower	Upper
84	100		
49	117.7	94.9	142.3
51	33.1	26.8	40.2
86	54.4	53.7	80.5

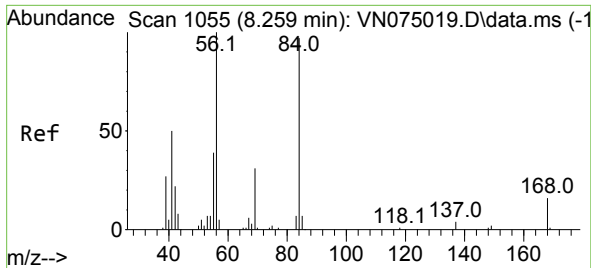


#25
2-Butanone
Concen: 2.595 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion: 43 Resp: 2421

Ion	Ratio	Lower	Upper
43	100		
72	28.4	25.5	38.3

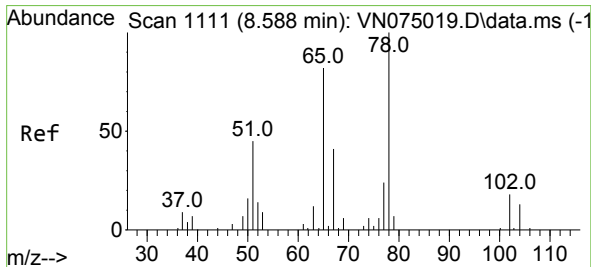
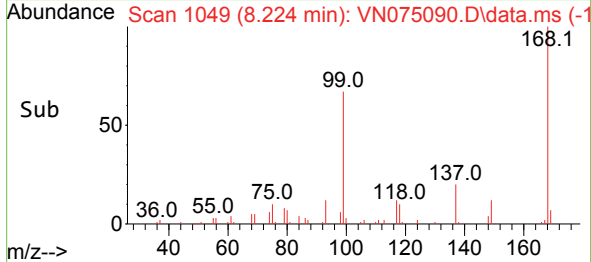
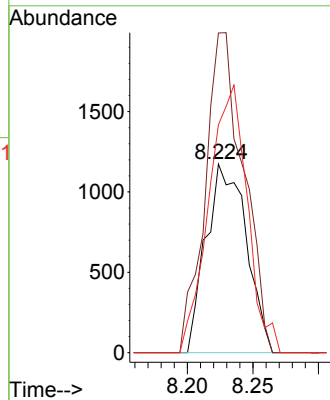
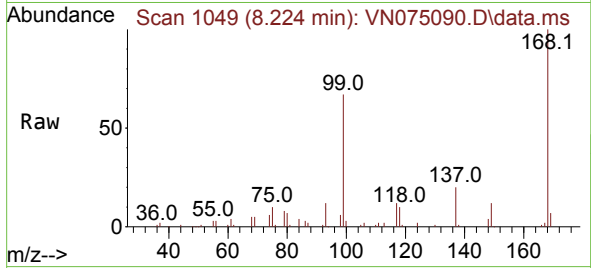




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

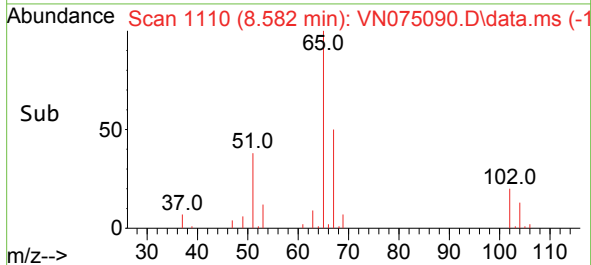
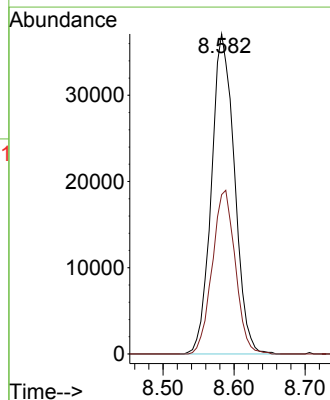
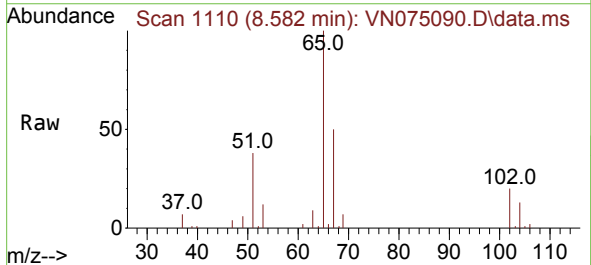
Instrument :
MSVOA_N
ClientSampleId :
MH-6-WC

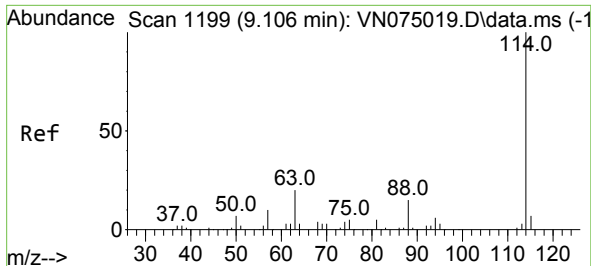
Tgt Ion: 56 Resp: 2500
Ion Ratio Lower Upper
56 100
69 169.4 25.2 37.8#
84 120.9 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 59.635 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion: 65 Resp: 83551
Ion Ratio Lower Upper
65 100
67 51.1 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: VN075090.D

Acq: 31 Oct 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

MH-6-WC

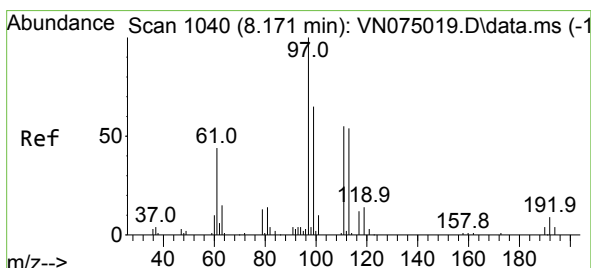
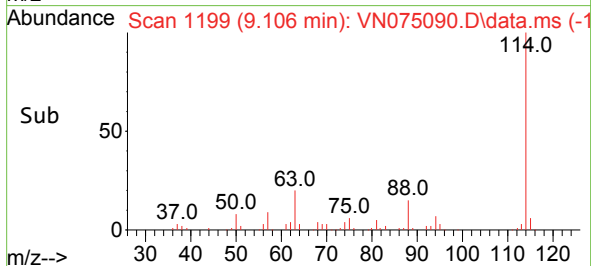
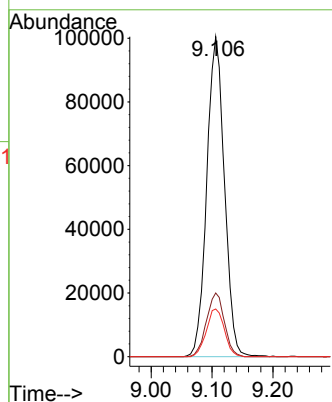
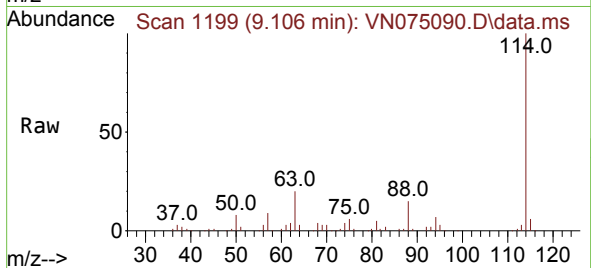
Tgt Ion:114 Resp: 202380

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.953 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075090.D

Acq: 31 Oct 2022 16:35

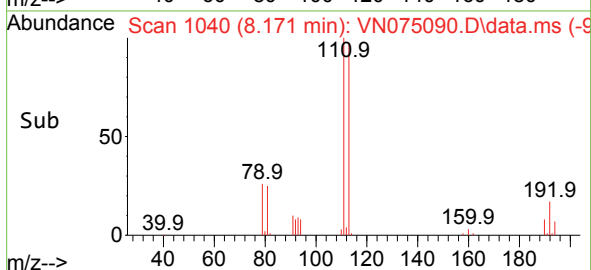
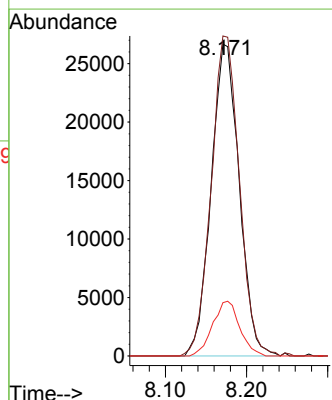
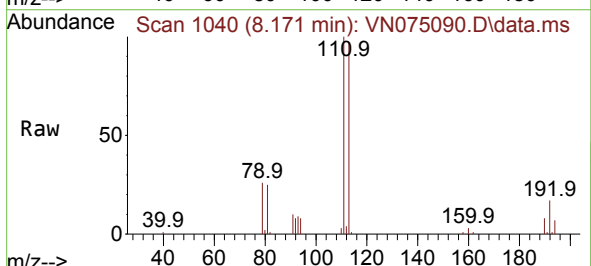
Tgt Ion:113 Resp: 64100

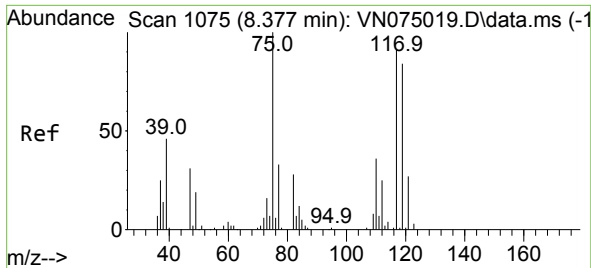
Ion Ratio Lower Upper

113 100

111 102.7 80.5 120.7

192 16.9 13.2 19.8

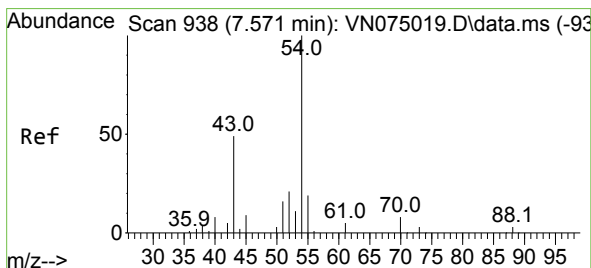
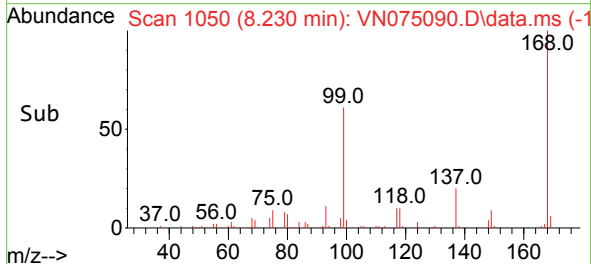
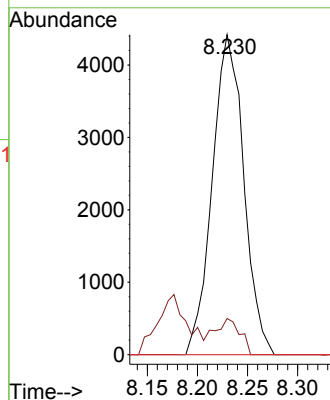
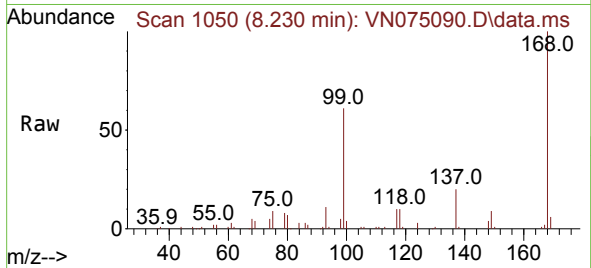




#36
1,1-Dichloropropene
Concen: 5.245 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

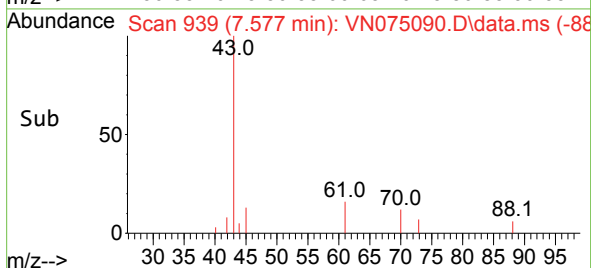
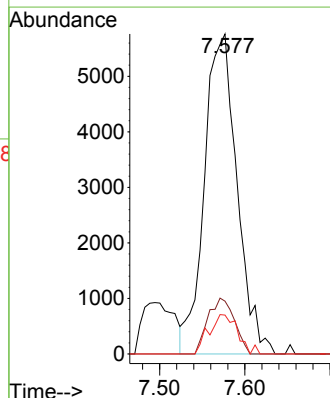
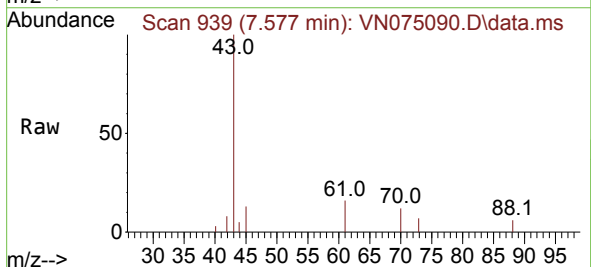
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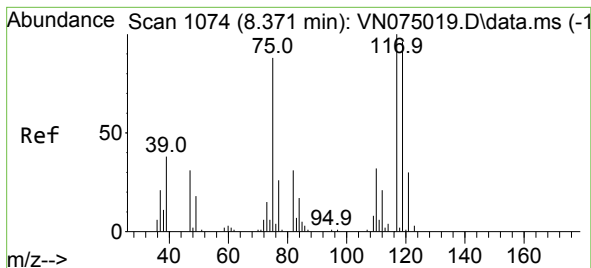
Tgt Ion: 75 Resp: 9648
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 7.609 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion: 43 Resp: 15348
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.4
70 10.8 9.4 14.2





#38

Carbon Tetrachloride

Concen: 5.529 ug/l

RT: 8.235 min Scan# 1107

Delta R.T. -0.136 min

Lab File: VN075090.D

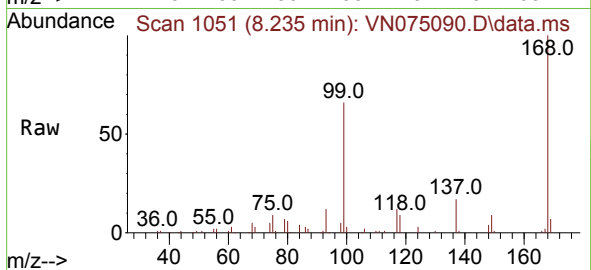
Acq: 31 Oct 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

MH-6-WC



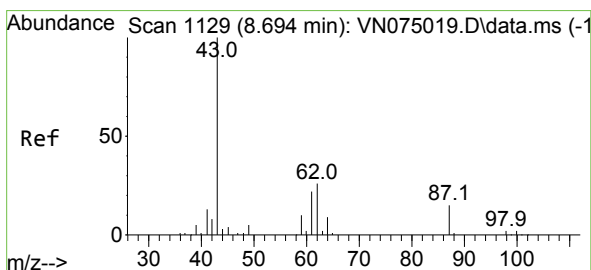
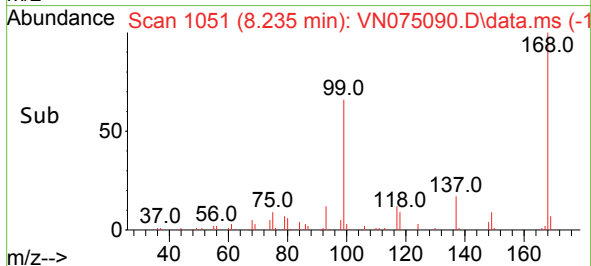
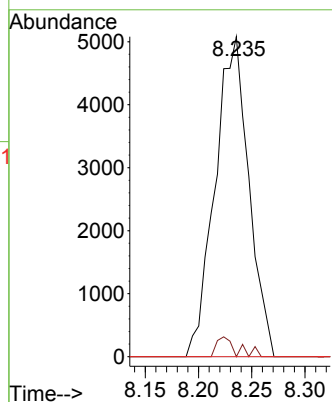
Tgt Ion:117 Resp: 11187

Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 36.531 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075090.D

Acq: 31 Oct 2022 16:35

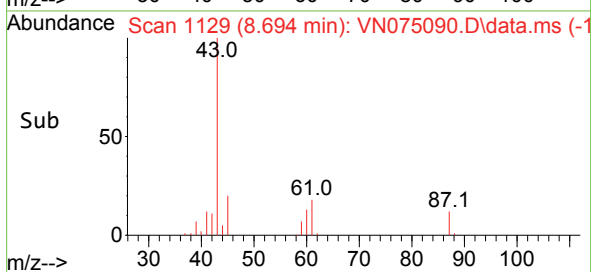
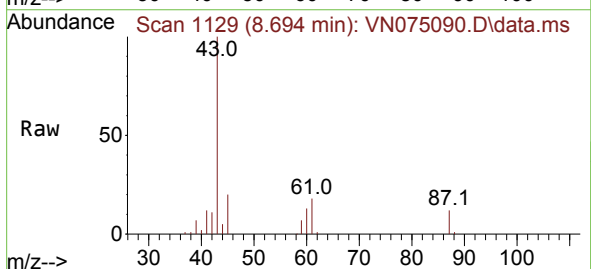
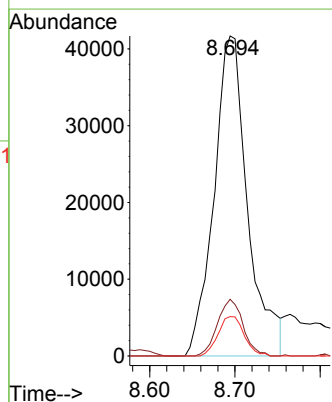
Tgt Ion: 43 Resp: 114302

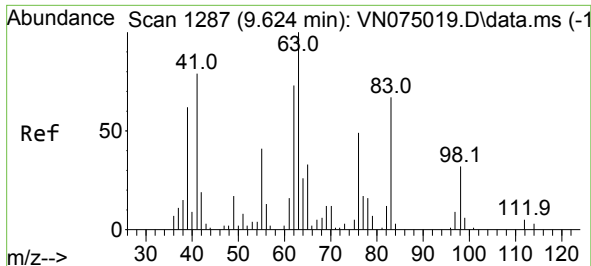
Ion Ratio Lower Upper

43 100

61 13.5 22.4 33.6#

87 9.5 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.654 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075090.D

Acq: 31 Oct 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

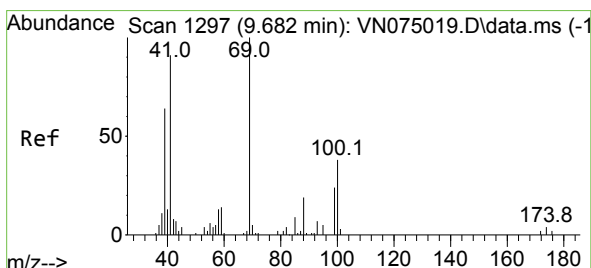
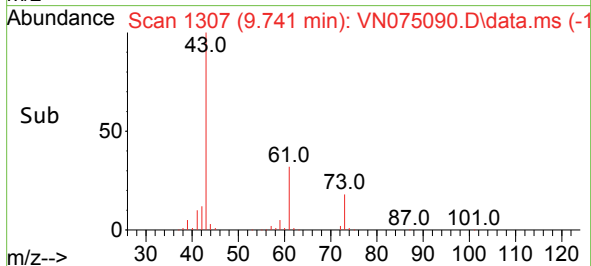
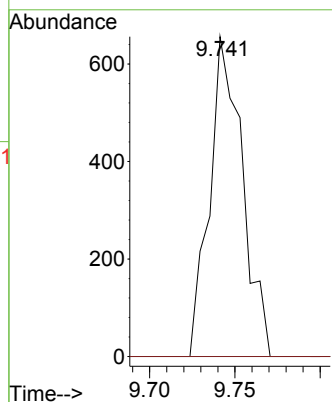
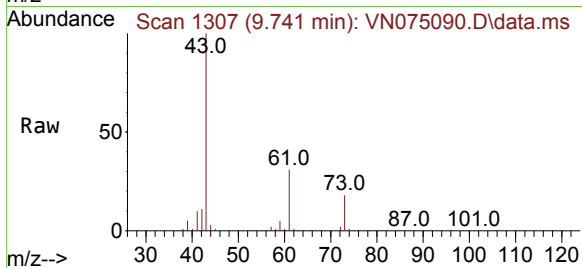
MH-6-WC

Tgt Ion: 63 Resp: 877

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.582 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075090.D

Acq: 31 Oct 2022 16:35

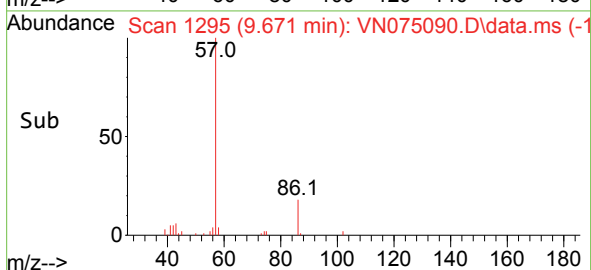
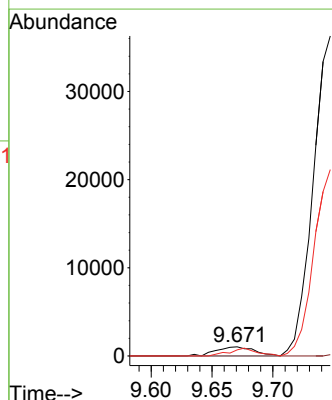
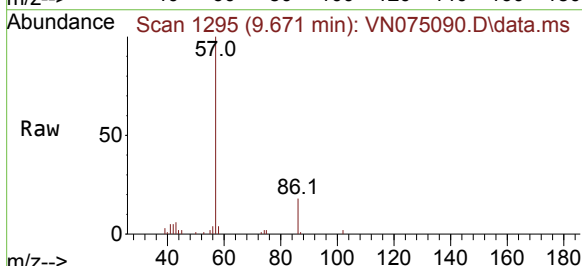
Tgt Ion: 41 Resp: 2271

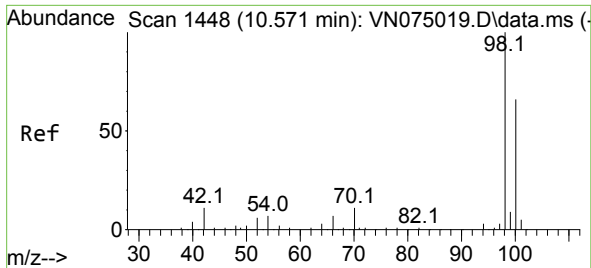
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 59.8 56.2 84.2

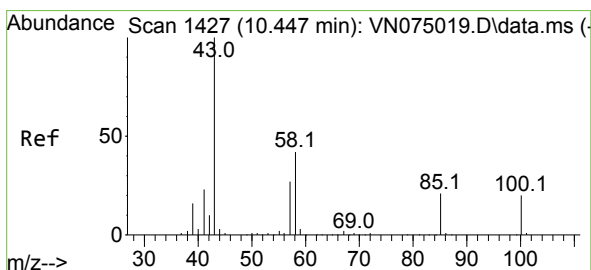
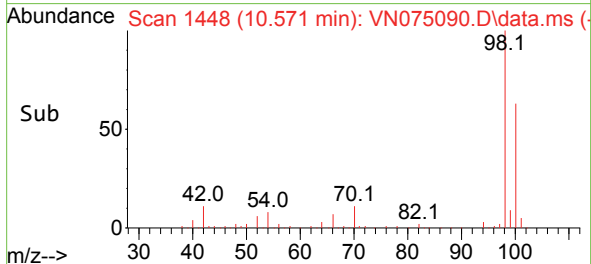
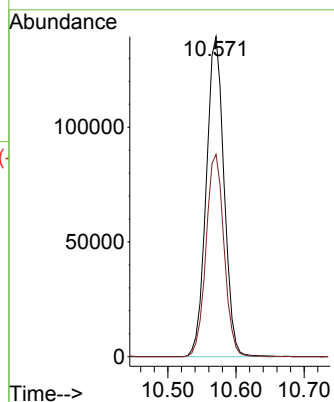
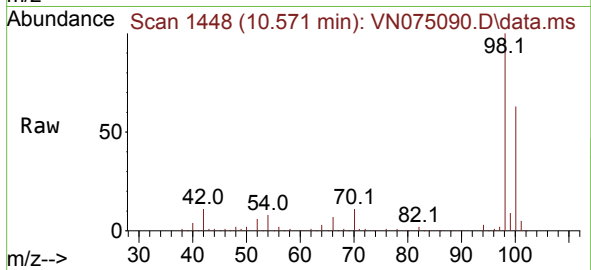




#50
Toluene-d8
Concen: 54.885 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

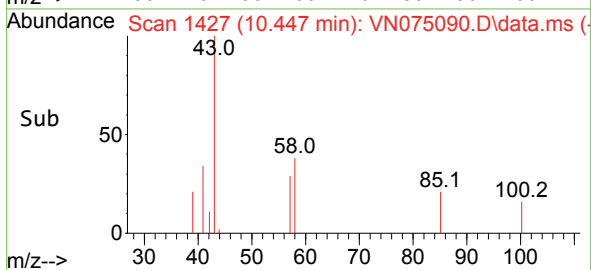
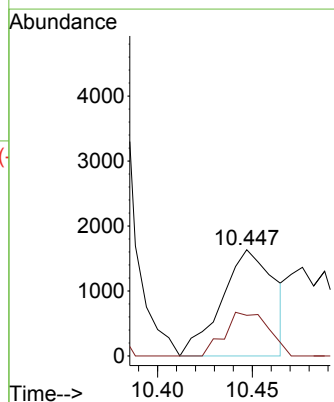
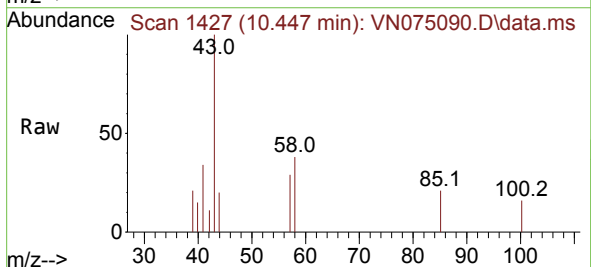
Instrument :
MSVOA_N
ClientSampleId :
MH-6-WC

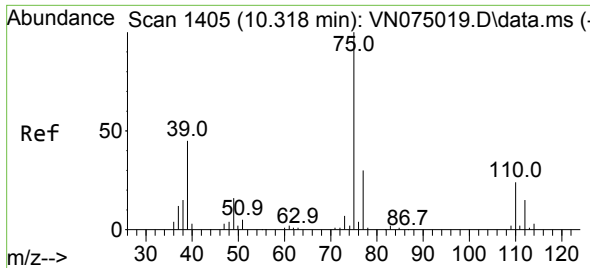
Tgt Ion: 98 Resp: 252986
Ion Ratio Lower Upper
98 100
100 64.0 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.567 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion: 43 Resp: 3163
Ion Ratio Lower Upper
43 100
58 34.4 33.6 50.4

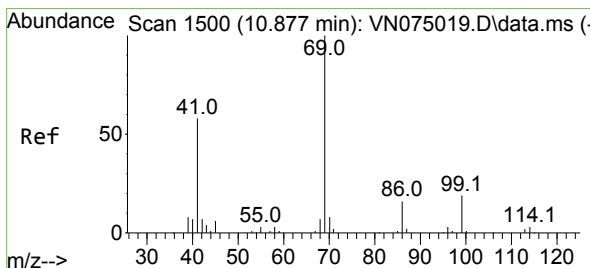
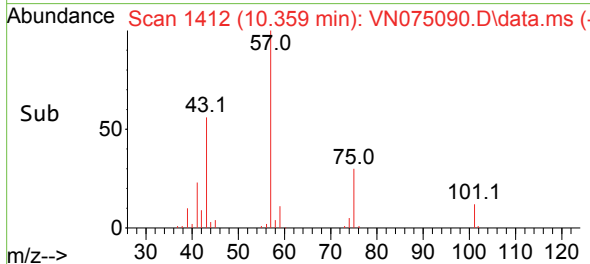
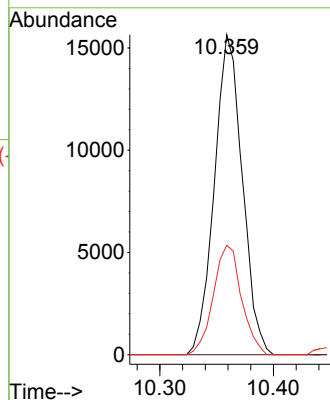
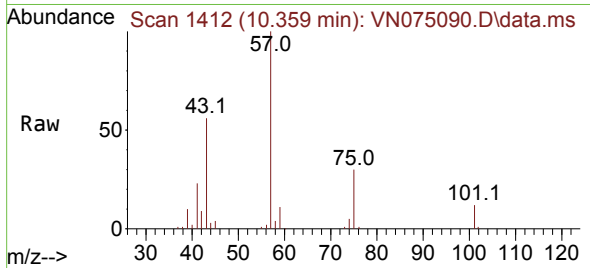




#54
 cis-1,3-Dichloropropene
 Concen: 11.808 ug/l
 RT: 10.359 min Scan# 1405
 Delta R.T. 0.041 min
 Lab File: VN075090.D
 Acq: 31 Oct 2022 16:35

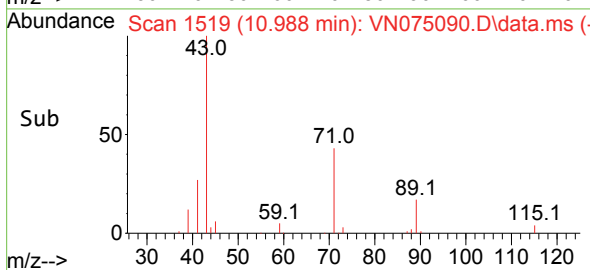
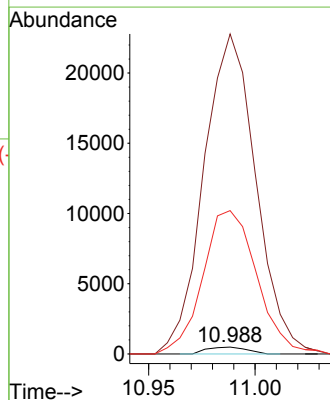
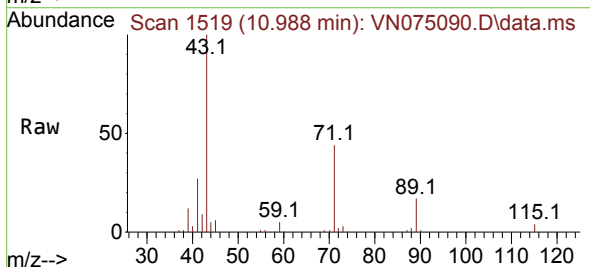
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-6-WC

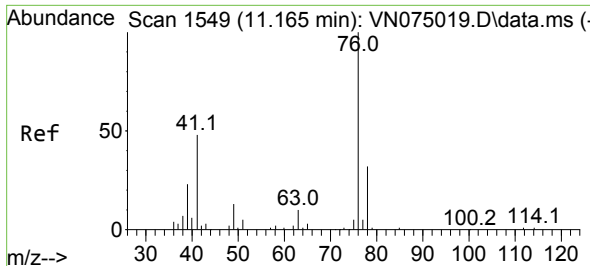
Tgt Ion: 75 Resp: 26730
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 34.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.283 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075090.D
 Acq: 31 Oct 2022 16:35

Tgt Ion: 69 Resp: 644
 Ion Ratio Lower Upper
 69 100
 41 6032.0 45.6 68.4#
 39 2801.6 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.326 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075090.D

Acq: 31 Oct 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

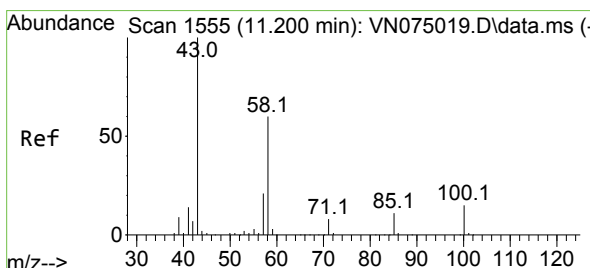
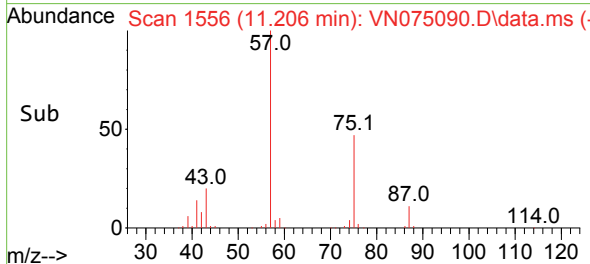
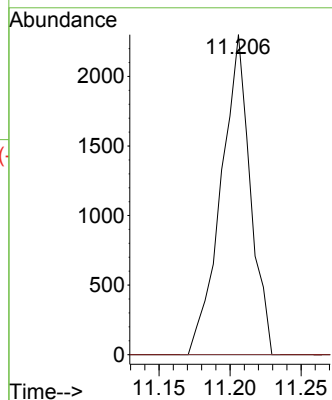
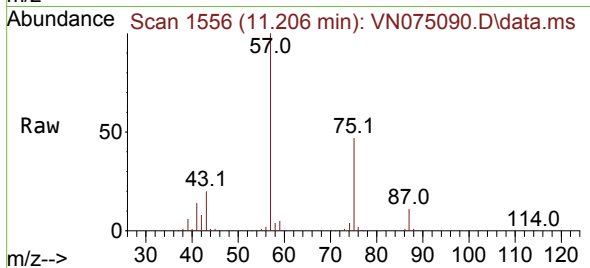
MH-6-WC

Tgt Ion: 76 Resp: 3297

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 36.912 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN075090.D

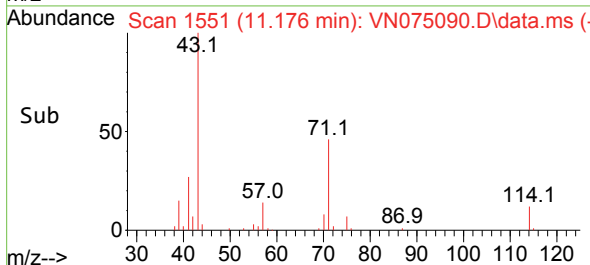
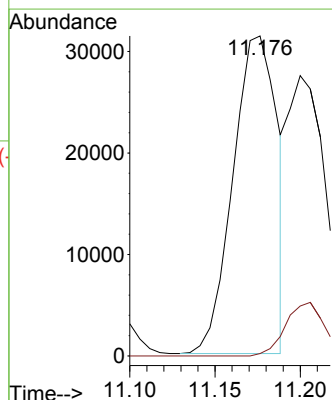
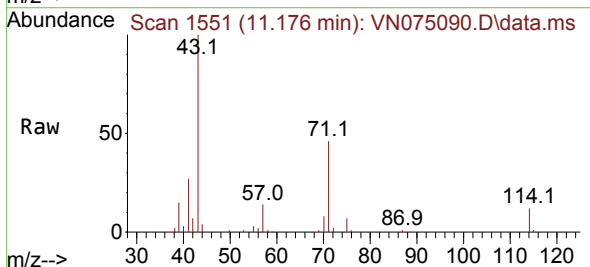
Acq: 31 Oct 2022 16:35

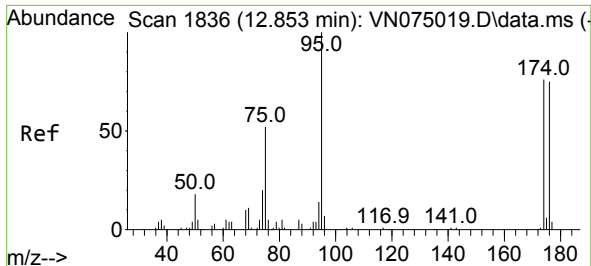
Tgt Ion: 43 Resp: 56565

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

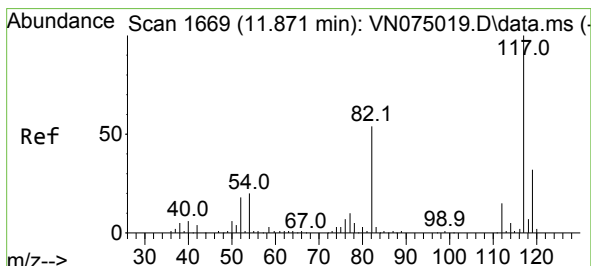
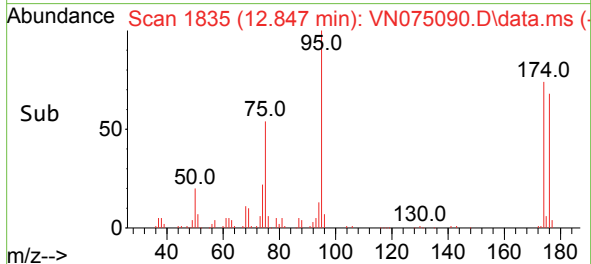
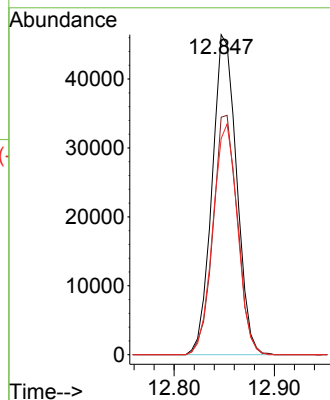
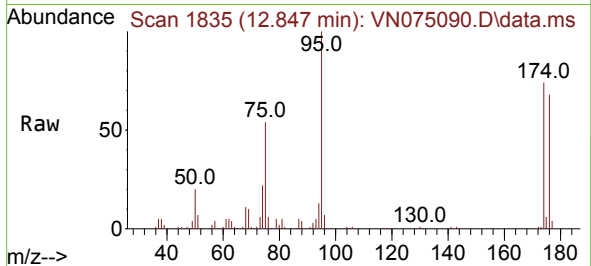




#62
4-Bromofluorobenzene
Concen: 48.627 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

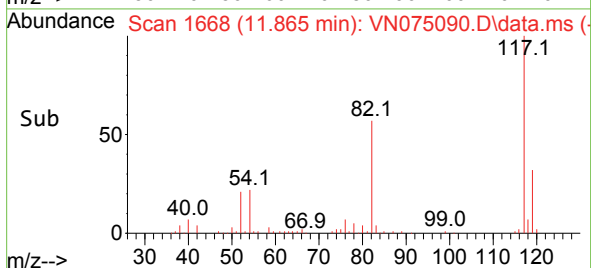
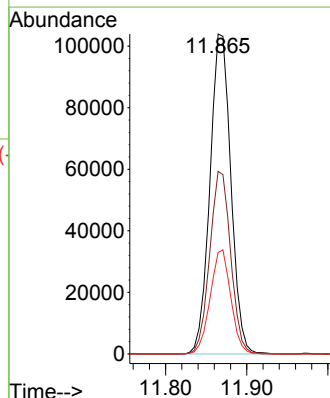
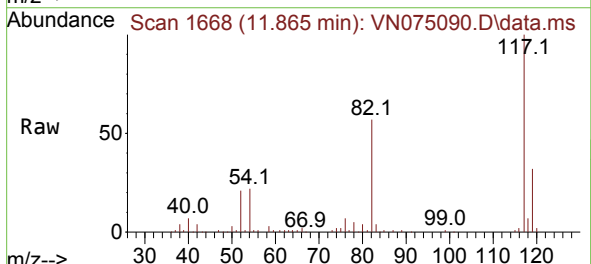
Instrument :
MSVOA_N
ClientSampleId :
MH-6-WC

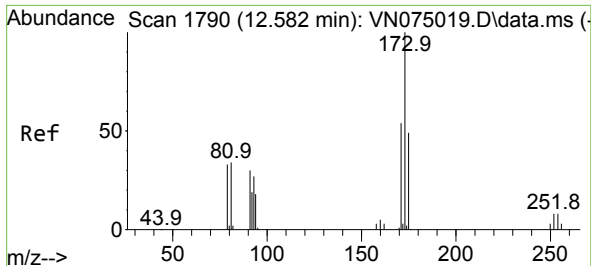
Tgt Ion: 95 Resp: 78737
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.4
176 72.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion: 117 Resp: 186121
Ion Ratio Lower Upper
117 100
82 57.0 43.1 64.7
119 31.7 25.5 38.3

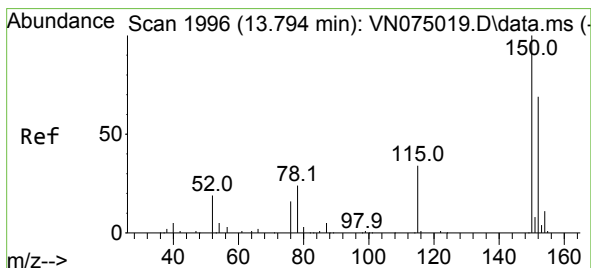
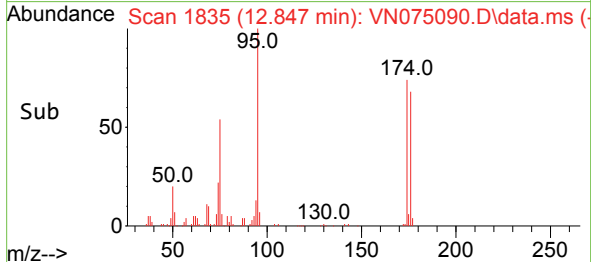
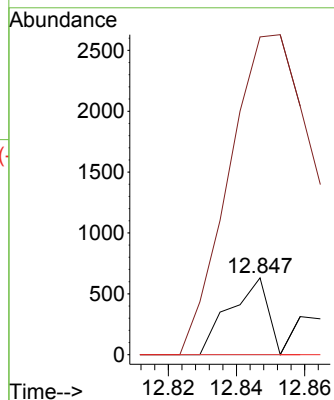
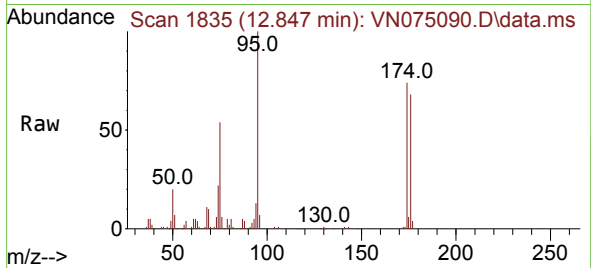




#71
Bromoform
Concen: 0.445 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

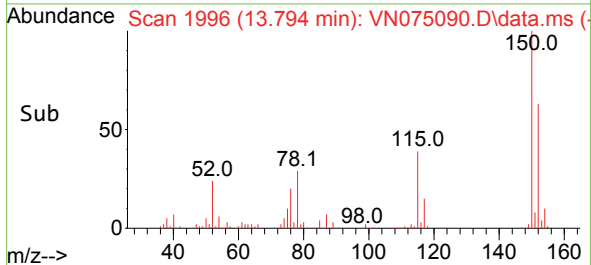
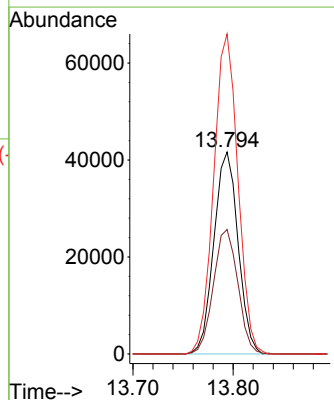
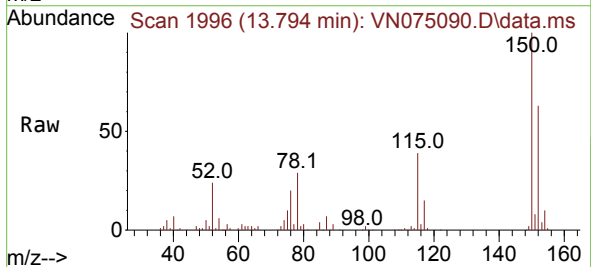
Instrument :
MSVOA_N
ClientSampleId :
MH-6-WC

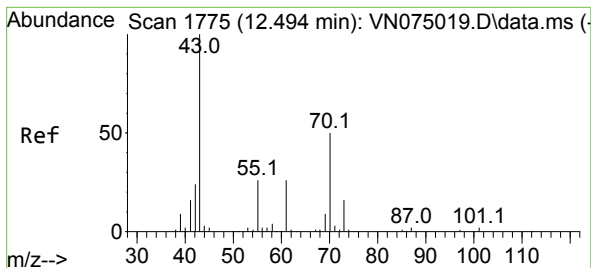
Tgt Ion:173 Resp: 491
Ion Ratio Lower Upper
173 100
175 777.6 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075090.D
Acq: 31 Oct 2022 16:35

Tgt Ion:152 Resp: 69549
Ion Ratio Lower Upper
152 100
115 62.3 30.2 90.6
150 158.4 0.0 348.4





#74

N-ethyl acetate

Concen: 0.236 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075090.D

Acq: 31 Oct 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

MH-6-WC

Tgt Ion: 43 Resp: 488

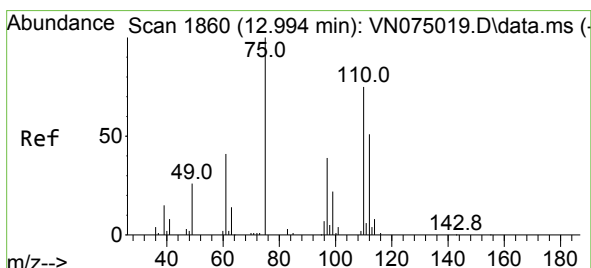
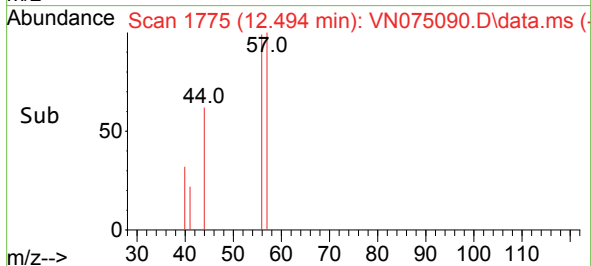
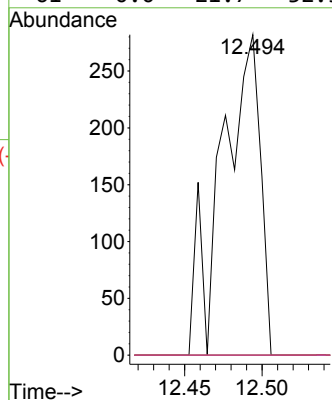
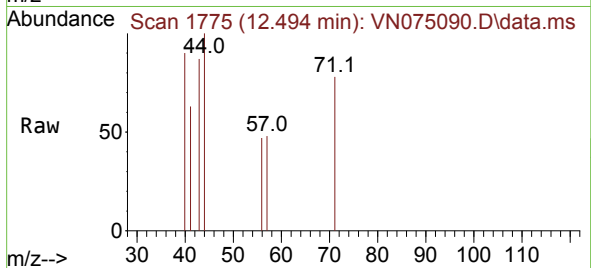
Ion Ratio Lower Upper

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: 29.624 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075090.D

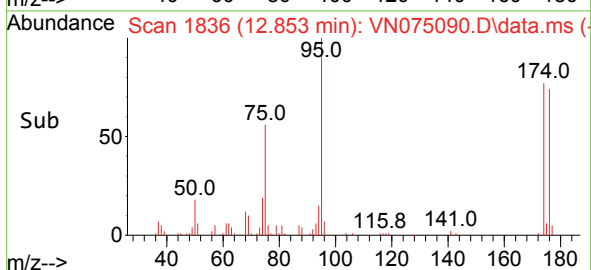
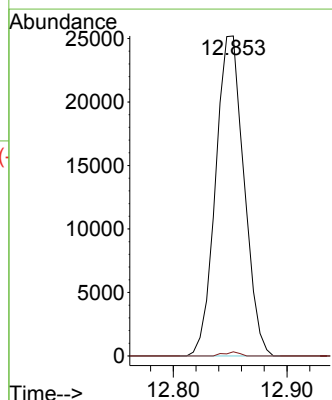
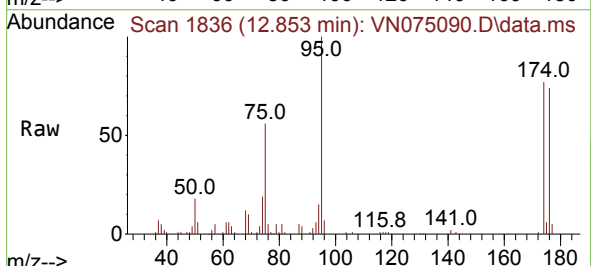
Acq: 31 Oct 2022 16:35

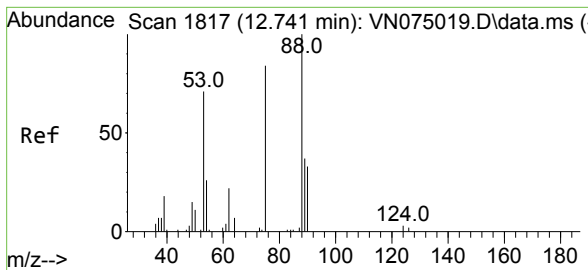
Tgt Ion: 75 Resp: 43746

Ion Ratio Lower Upper

75 100

77 0.7 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.044 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075090.D
 Acq: 31 Oct 2022 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-6-WC

Tgt Ion: 75 Resp: 43746
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.2 37.7 56.5#

