

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
 Data File : VN075085.D
 Acq On : 31 Oct 2022 14:35
 Operator : JC\MD
 Sample : N5332-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-4-WC

Quant Time: Nov 01 06:16:49 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)

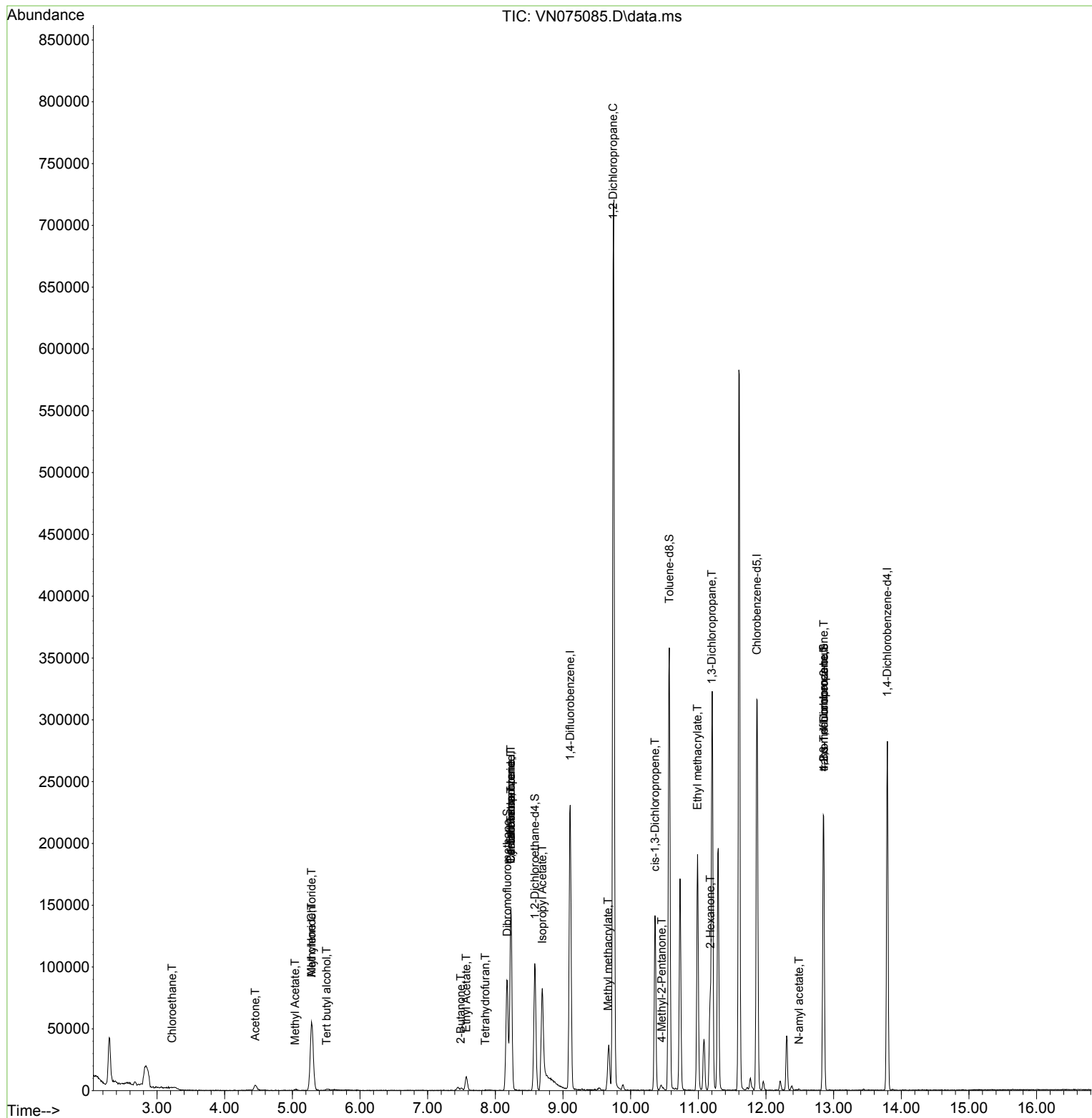
Internal Standards						
1) Pentafluorobenzene	8.230	168	102993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	199356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	185295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	70945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	82622	59.538	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.080%			
35) Dibromofluoromethane	8.177	113	63274	54.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	10.571	98	247755	54.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.140%			
62) 4-Bromofluorobenzene	12.853	95	78698	49.340	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.959	94	277	Below Cal	#	5
6) Chloroethane	3.224	64	509	0.350	ug/l #	45
11) Tert butyl alcohol	5.506	59	418	1.292	ug/l #	72
14) Allyl chloride	5.283	41	896	0.562	ug/l #	19
16) Acetone	4.453	43	8849	15.060	ug/l	90
18) Methyl Acetate	5.042	43	1120	0.584	ug/l #	59
20) Methylene Chloride	5.283	84	45210	34.508	ug/l	94
25) 2-Butanone	7.489	43	3165	3.425	ug/l #	76
29) Tetrahydrofuran	7.853	42	134	0.224	ug/l #	26
31) Cyclohexane	8.230	56	2458	1.191	ug/l #	53
36) 1,1-Dichloropropene	8.230	75	9609	5.303	ug/l #	48
37) Ethyl Acetate	7.571	43	16355	8.231	ug/l	98
38) Carbon Tetrachloride	8.230	117	11438	5.739	ug/l #	16
43) Isopropyl Acetate	8.694	43	108434	35.181	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	957	0.725	ug/l #	42
48) Methyl methacrylate	9.665	41	2175	1.538	ug/l #	37
51) 4-Methyl-2-Pentanone	10.459	43	5177	2.603	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	27356	12.268	ug/l #	66
56) Ethyl methacrylate	10.988	69	550	0.245	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3668	1.498	ug/l #	42
59) 2-Hexanone	11.177	43	53526	35.459	ug/l #	21
74) N-amyl acetate	12.488	43	442	0.210	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	43743	29.039	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	43743	74.543	ug/l #	10

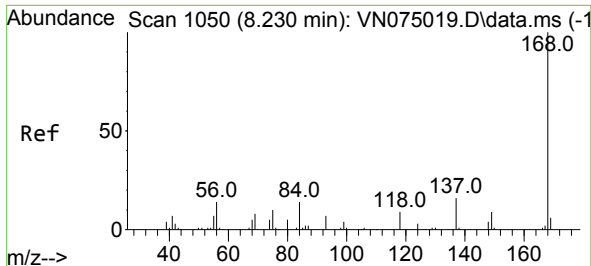
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
Data File : VN075085.D
Acq On : 31 Oct 2022 14:35
Operator : JC\MD
Sample : N5332-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

Quant Time: Nov 01 06:16:49 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

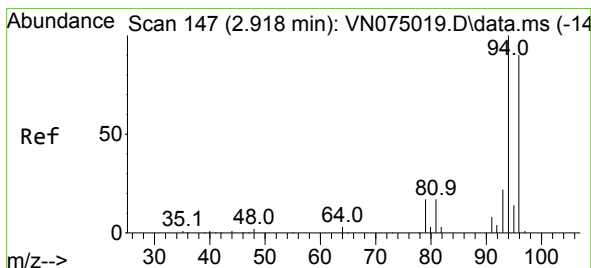
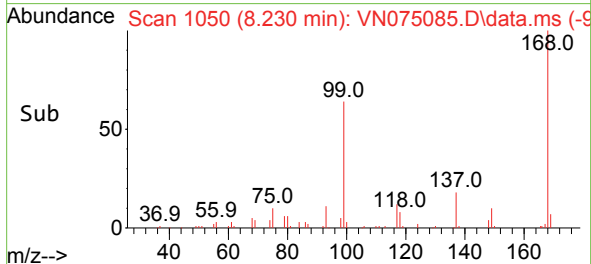
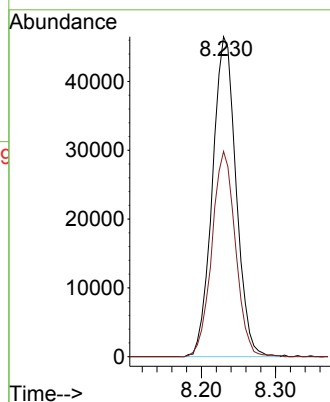
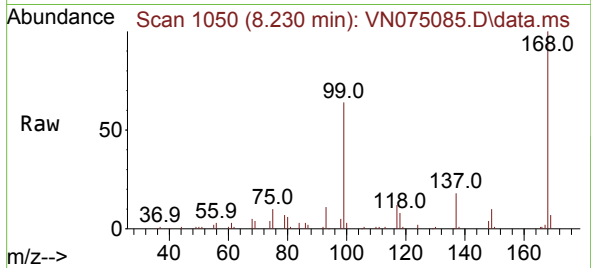




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

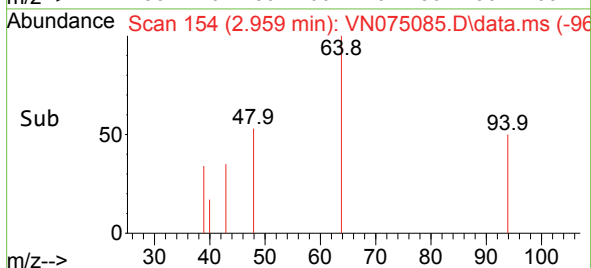
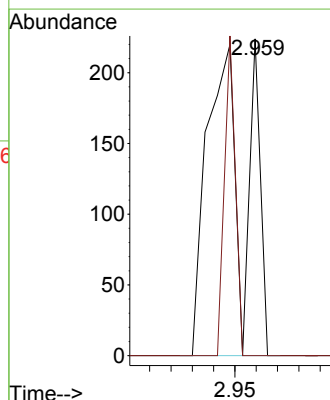
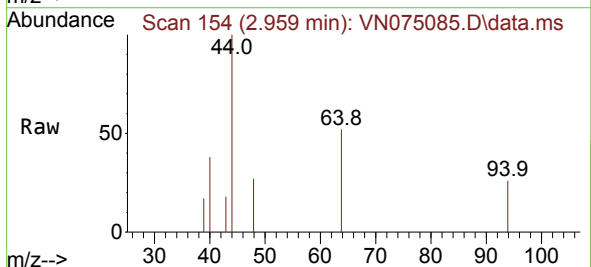
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

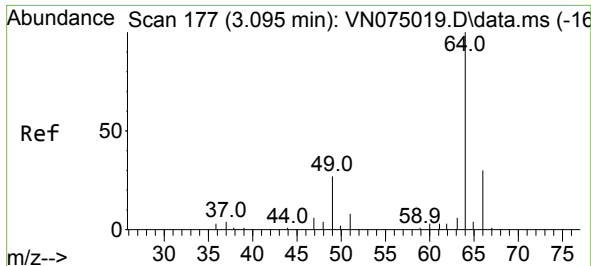
Tgt Ion:168 Resp: 102993
Ion Ratio Lower Upper
168 100
99 64.2 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.959 min Scan# 154
Delta R.T. 0.041 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

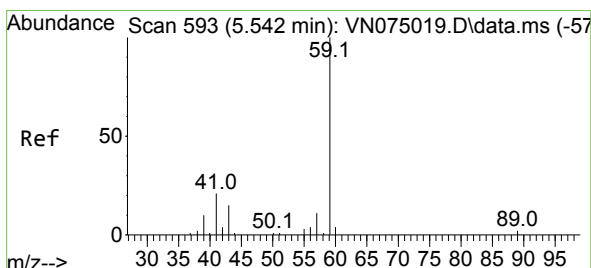
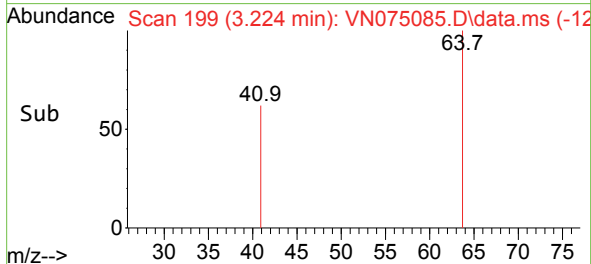
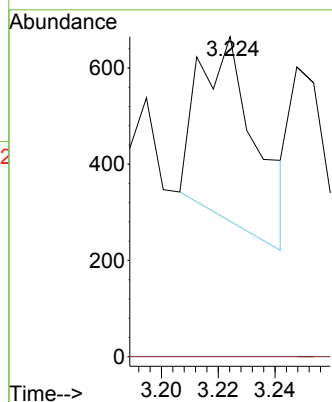
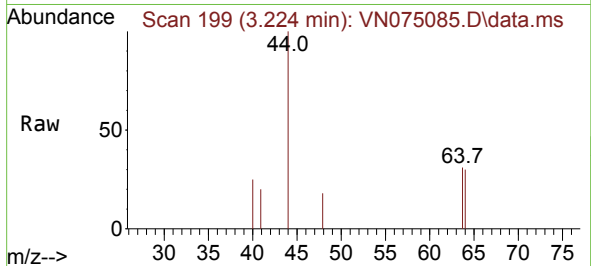




#6
Chloroethane
Concen: 0.350 ug/l
RT: 3.224 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

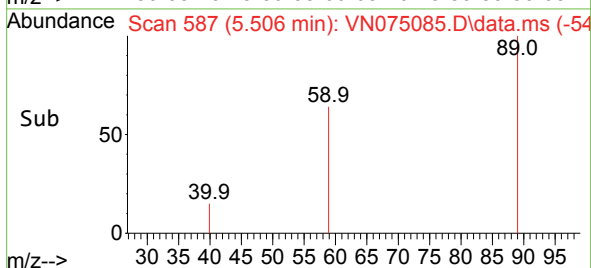
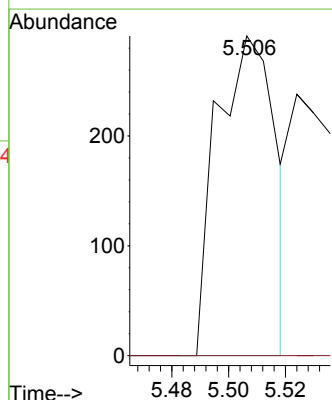
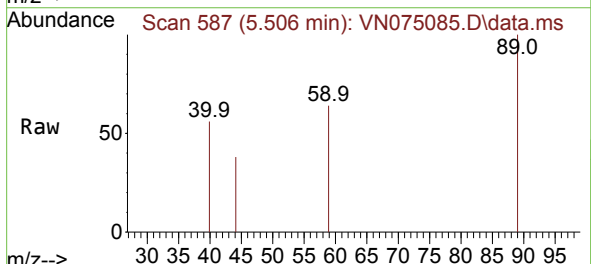
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

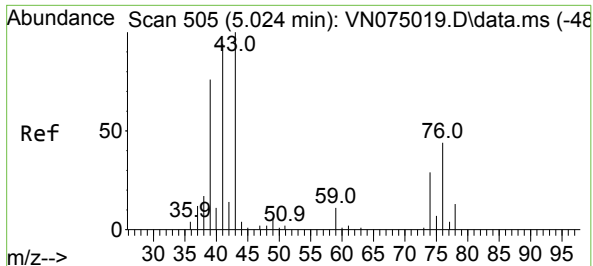
Tgt Ion: 64 Resp: 509
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 1.292 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

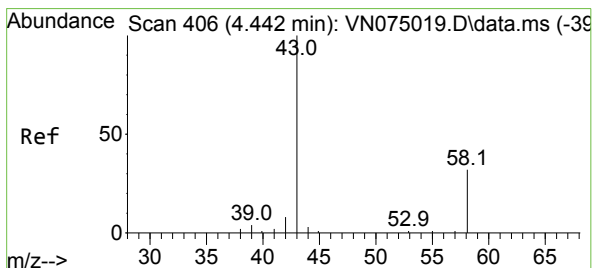
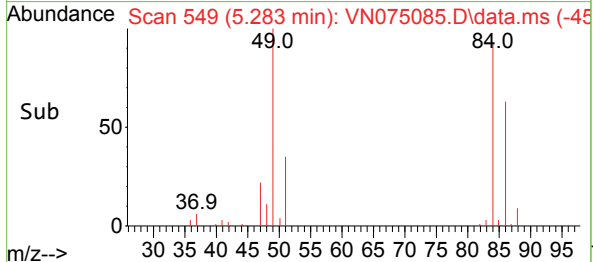
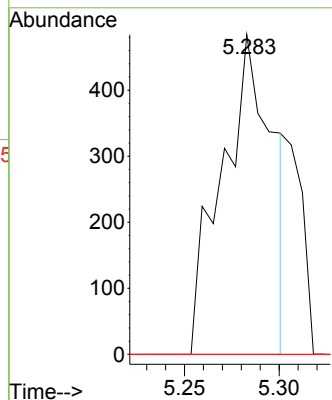
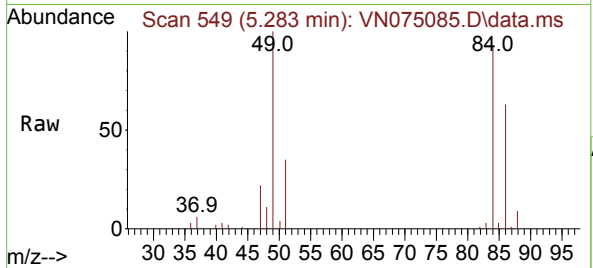




#14
 Allyl chloride
 Concen: 0.562 ug/l
 RT: 5.283 min Scan# 54
 Delta R.T. 0.259 min
 Lab File: VN075085.D
 Acq: 31 Oct 2022 14:35

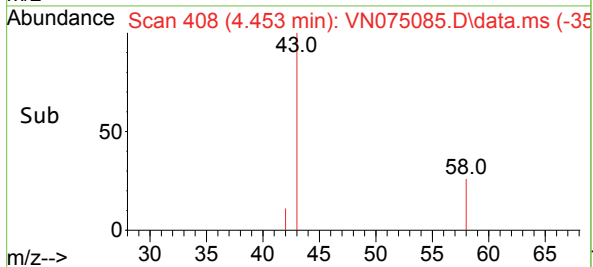
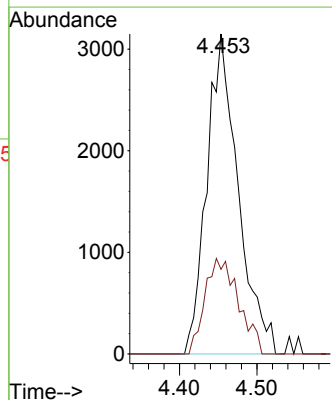
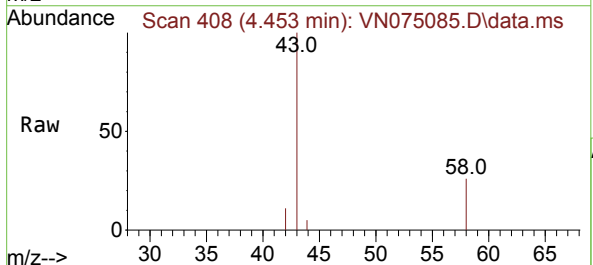
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-4-WC

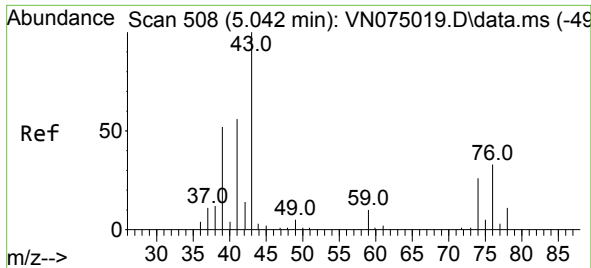
Tgt Ion: 41 Resp: 896
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.0 91.4#
 76 0.0 33.4 50.0#



#16
 Acetone
 Concen: 15.060 ug/l
 RT: 4.453 min Scan# 408
 Delta R.T. 0.011 min
 Lab File: VN075085.D
 Acq: 31 Oct 2022 14:35

Tgt Ion: 43 Resp: 8849
 Ion Ratio Lower Upper
 43 100
 58 26.4 25.5 38.3

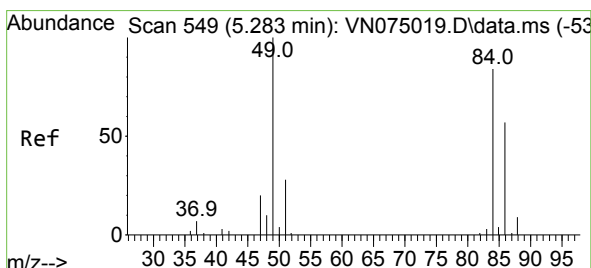
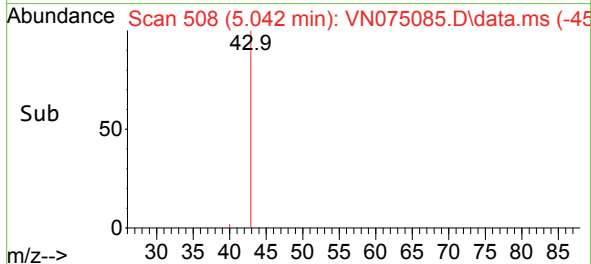
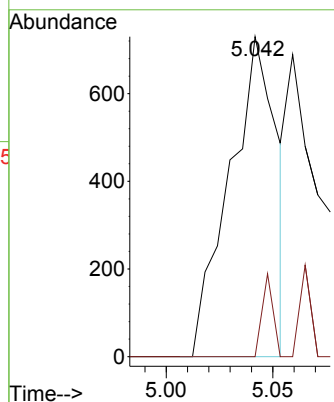
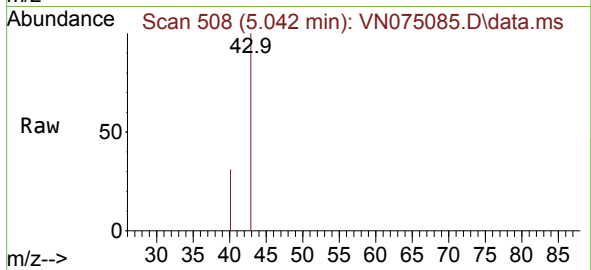




#18
Methyl Acetate
Concen: 0.584 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

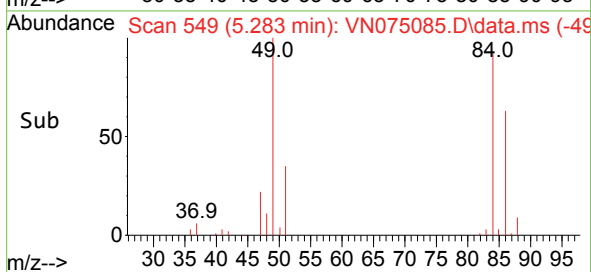
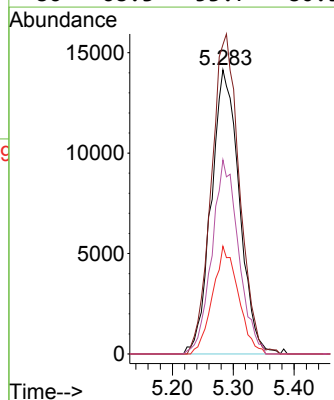
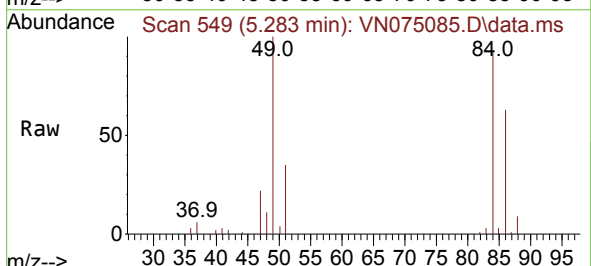
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

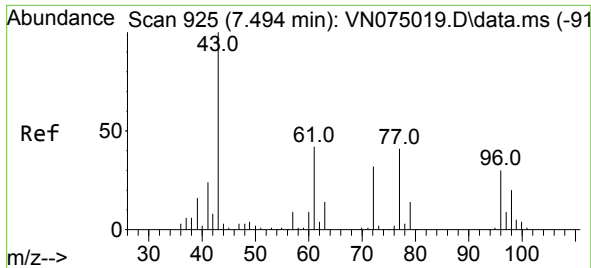
Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
74 6.0 22.0 33.0#



#20
Methylene Chloride
Concen: 34.508 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 84 Resp: 45210
Ion Ratio Lower Upper
84 100
49 108.8 94.9 142.3
51 37.9 26.8 40.2
86 68.3 53.7 80.5

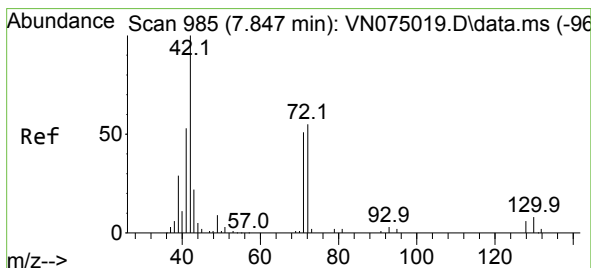
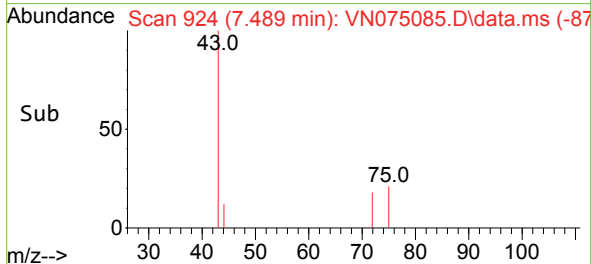
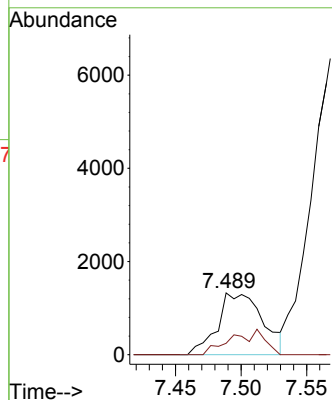
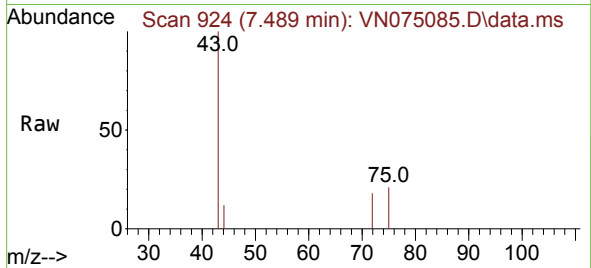




#25
2-Butanone
Concen: 3.425 ug/l
RT: 7.489 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

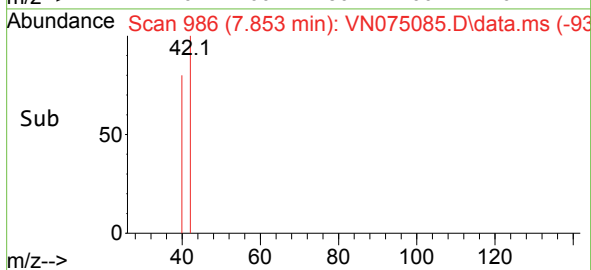
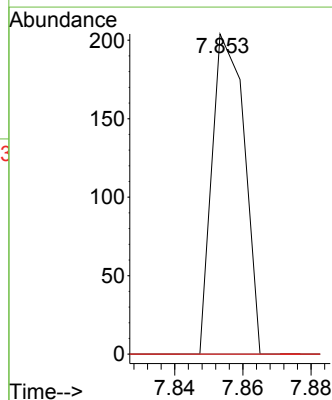
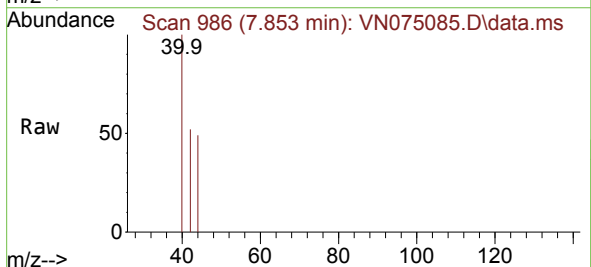
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

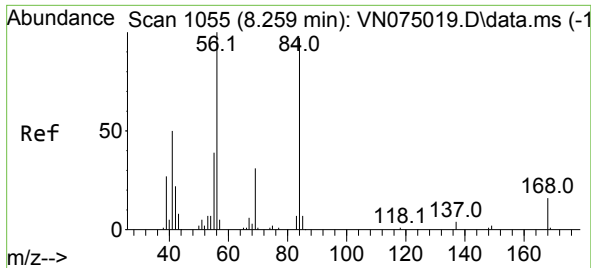
Tgt Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
72 18.4 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.224 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.006 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 42 Resp: 134
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#

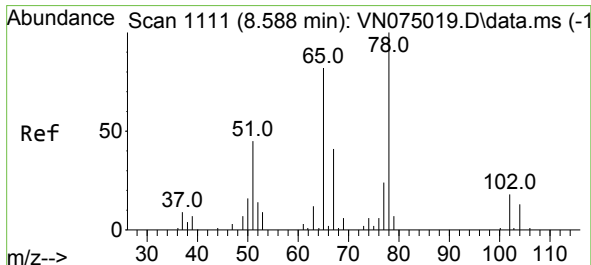
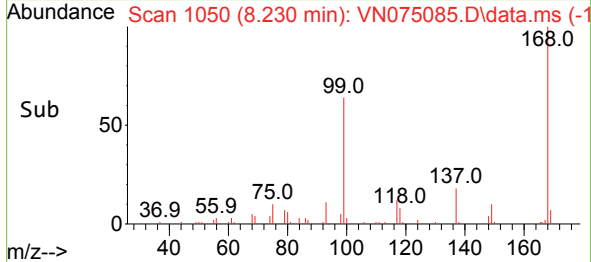
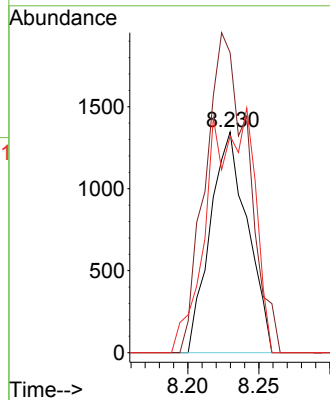
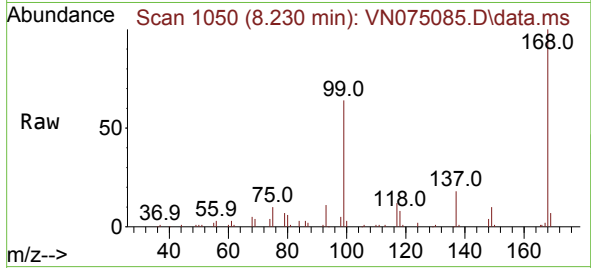




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

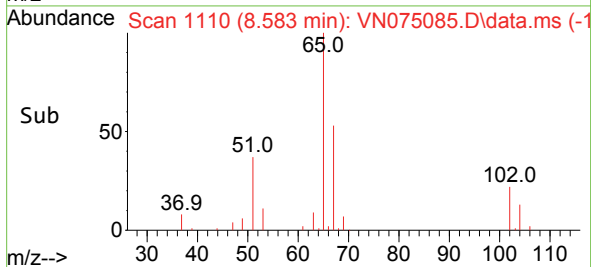
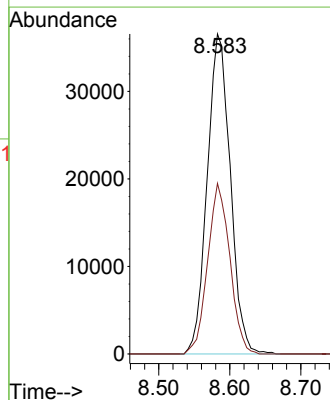
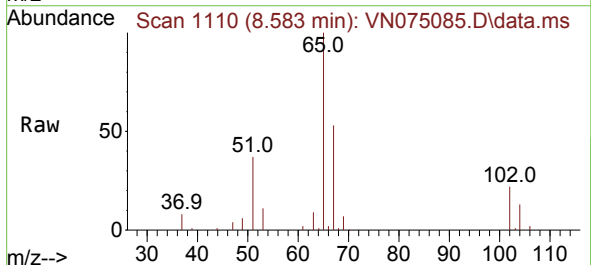
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

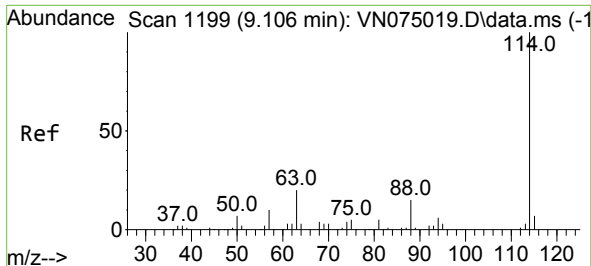
Tgt Ion: 56 Resp: 2458
Ion Ratio Lower Upper
56 100
69 136.0 25.2 37.8#
84 98.2 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 59.538 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 65 Resp: 82622
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.0

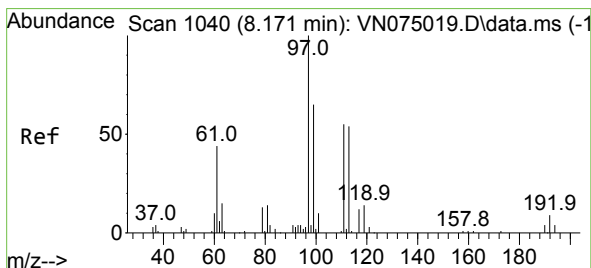
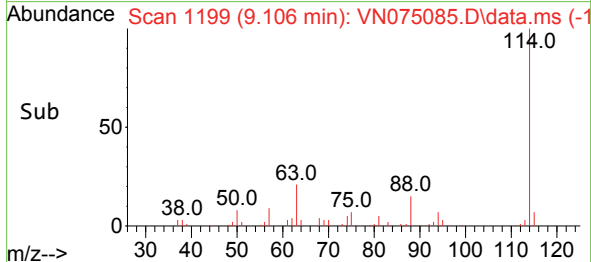
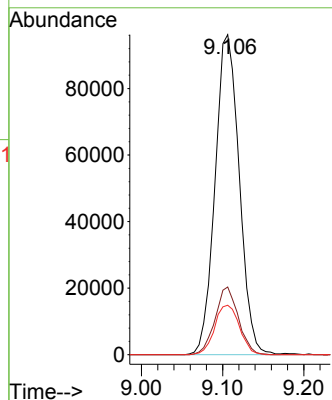
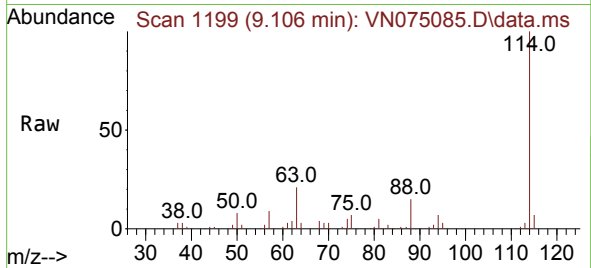




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

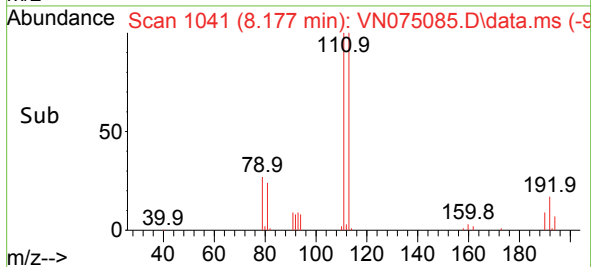
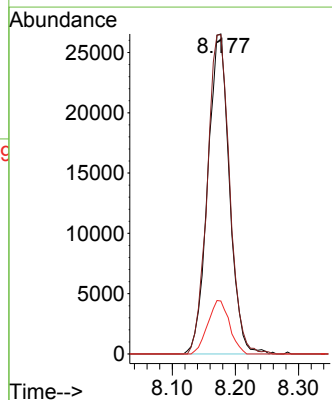
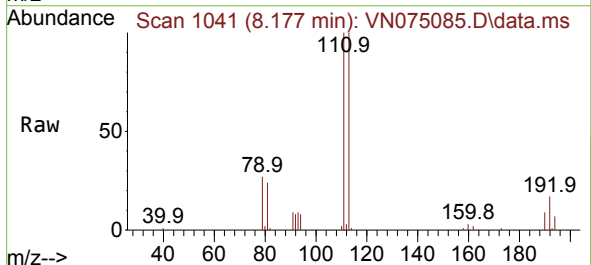
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

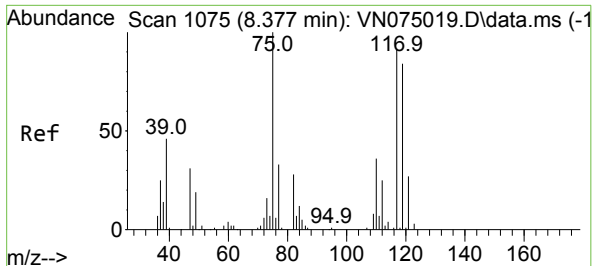
Tgt Ion:114 Resp: 199356
Ion Ratio Lower Upper
114 100
63 21.2 0.0 39.6
88 15.5 0.0 29.0



#35
Dibromofluoromethane
Concen: 54.066 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion:113 Resp: 63274
Ion Ratio Lower Upper
113 100
111 103.0 80.5 120.7
192 16.7 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.303 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075085.D

Acq: 31 Oct 2022 14:35

Instrument :

MSVOA_N

ClientSampleId :

MH-4-WC

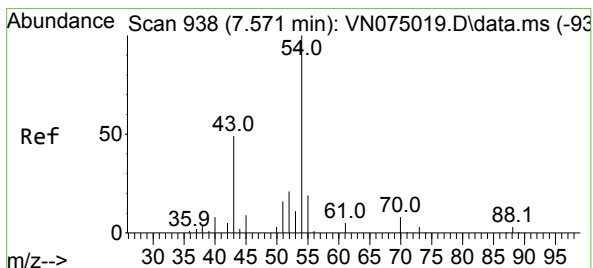
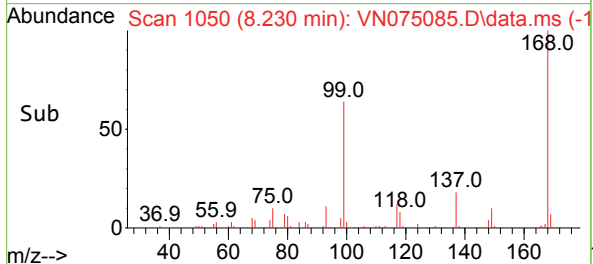
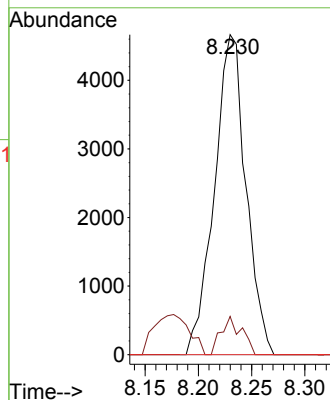
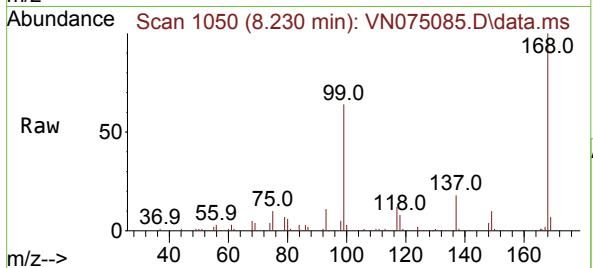
Tgt Ion: 75 Resp: 9609

Ion Ratio Lower Upper

75 100

110 7.8 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 8.231 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075085.D

Acq: 31 Oct 2022 14:35

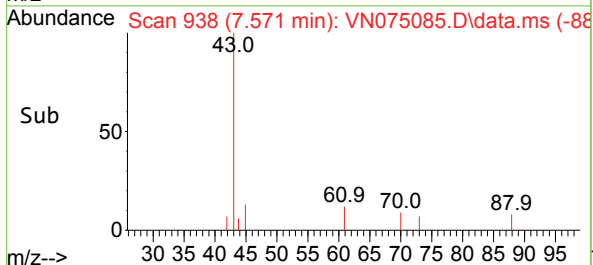
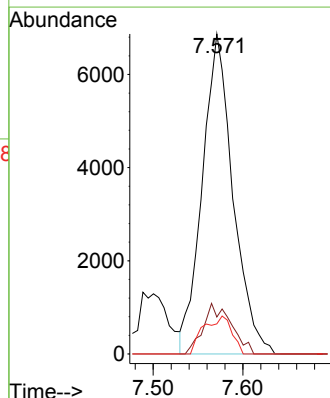
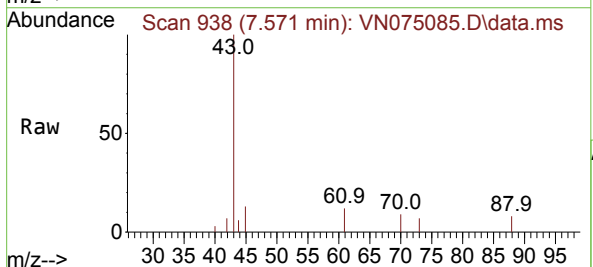
Tgt Ion: 43 Resp: 16355

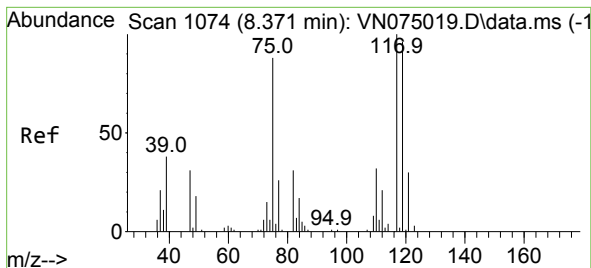
Ion Ratio Lower Upper

43 100

61 14.4 12.2 18.4

70 10.8 9.4 14.2





#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 8.230 min Scan# 117

Delta R.T. -0.141 min

Lab File: VN075085.D

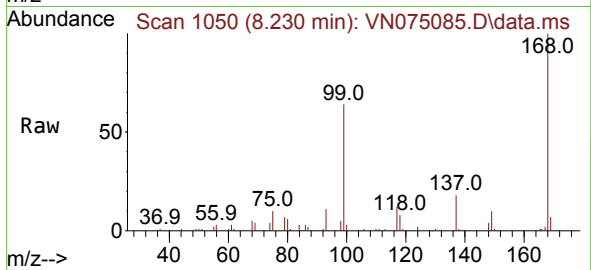
Acq: 31 Oct 2022 14:35

Instrument :

MSVOA_N

ClientSampleId :

MH-4-WC



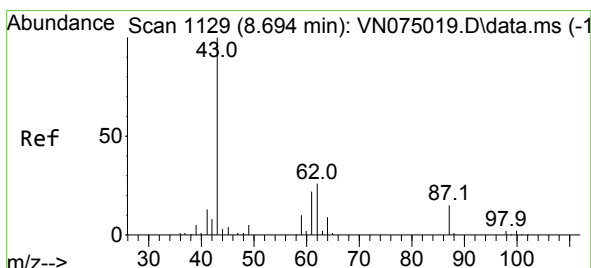
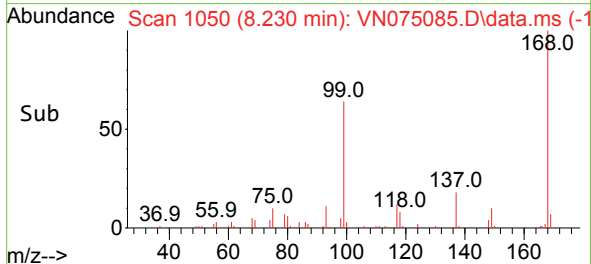
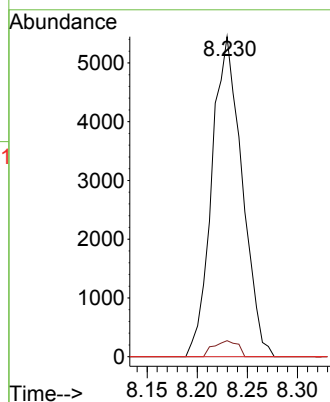
Tgt Ion:117 Resp: 11438

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 35.181 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075085.D

Acq: 31 Oct 2022 14:35

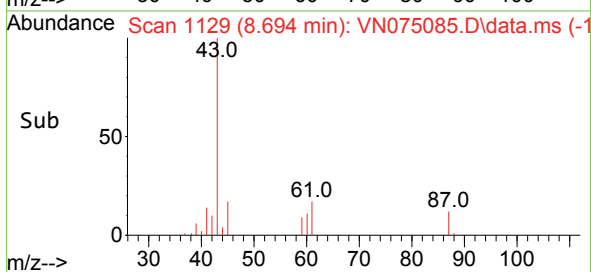
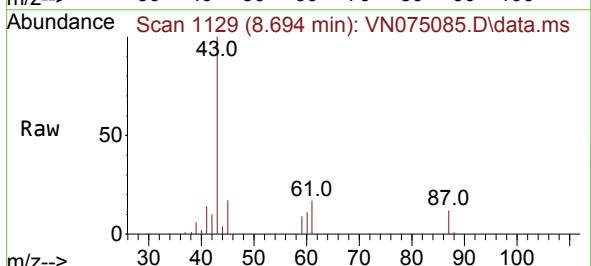
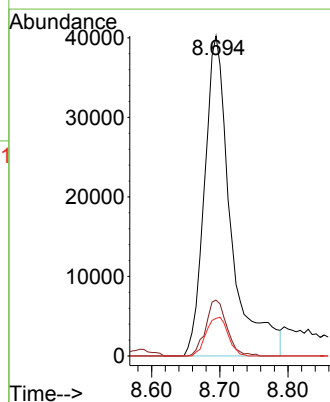
Tgt Ion: 43 Resp: 108434

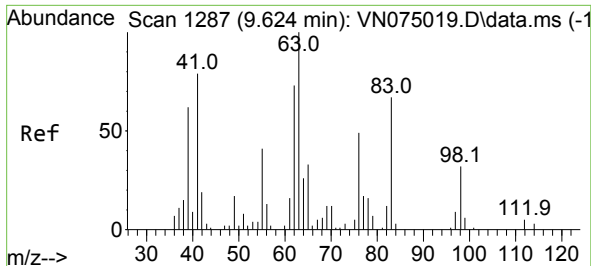
Ion Ratio Lower Upper

43 100

61 14.0 22.4 33.6#

87 10.0 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.725 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.117 min

Lab File: VN075085.D

Acq: 31 Oct 2022 14:35

Instrument :

MSVOA_N

ClientSampleId :

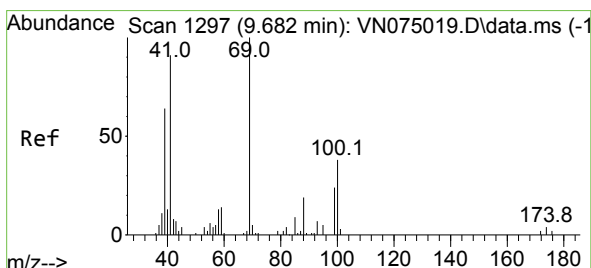
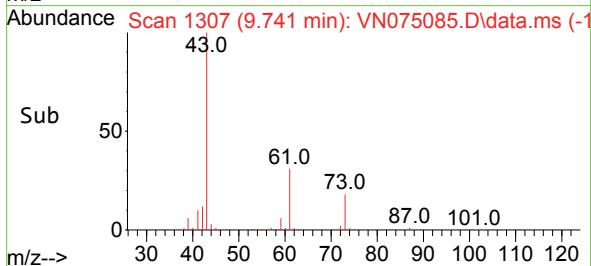
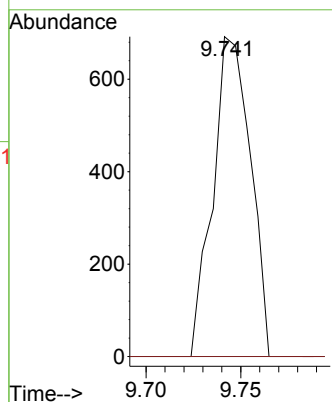
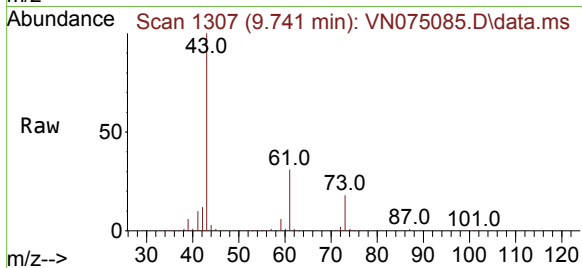
MH-4-WC

Tgt Ion: 63 Resp: 957

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.538 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075085.D

Acq: 31 Oct 2022 14:35

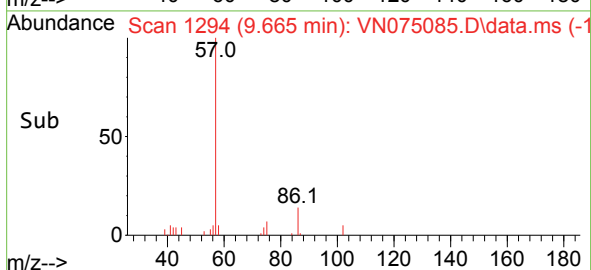
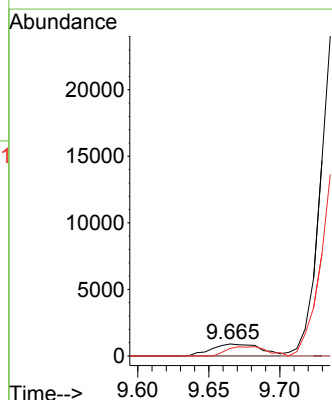
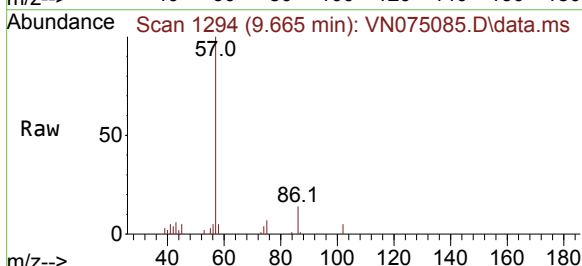
Tgt Ion: 41 Resp: 2175

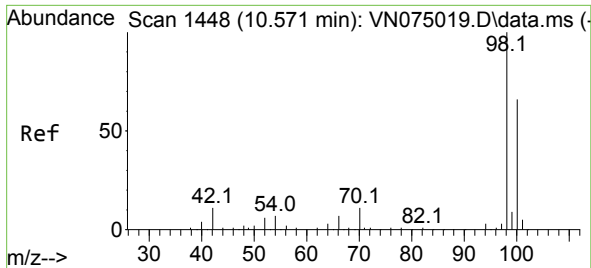
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 62.5 56.2 84.2

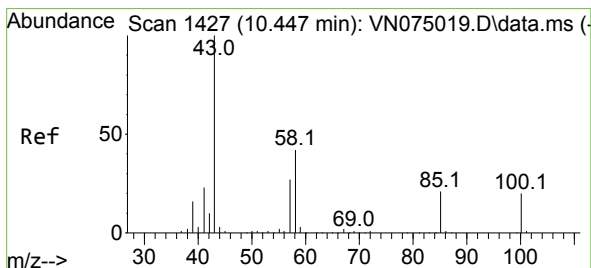
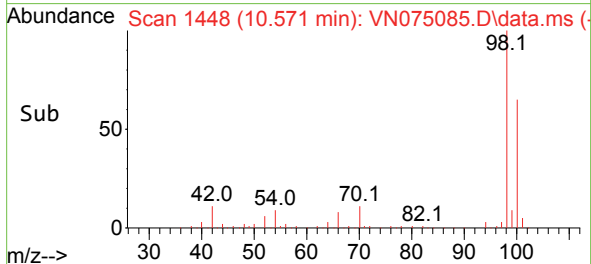
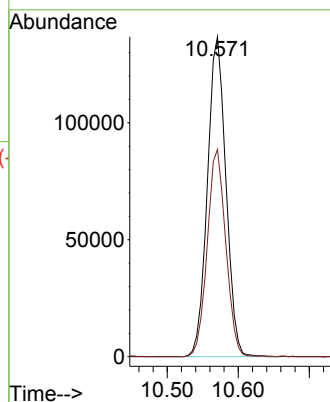
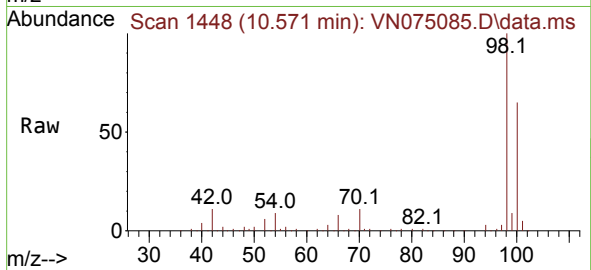




#50
Toluene-d8
Concen: 54.565 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

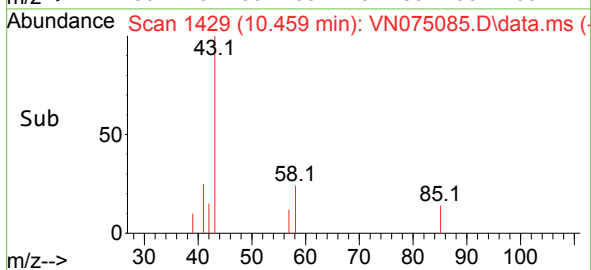
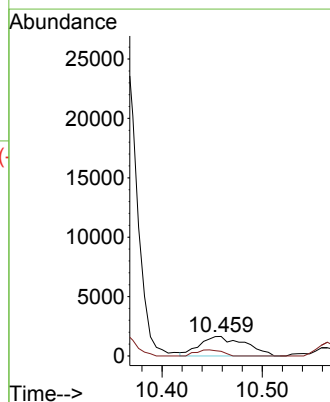
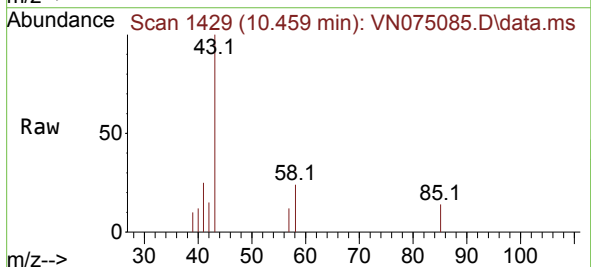
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

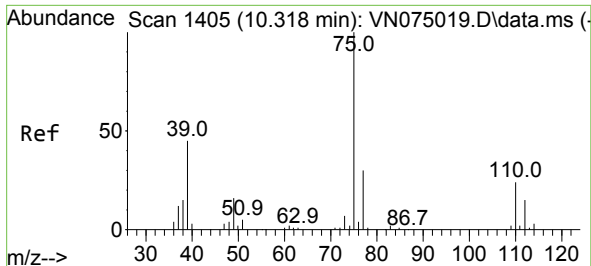
Tgt Ion: 98 Resp: 247755
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.603 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 43 Resp: 5177
Ion Ratio Lower Upper
43 100
58 17.8 33.6 50.4#

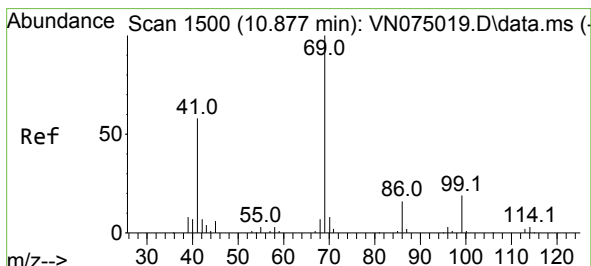
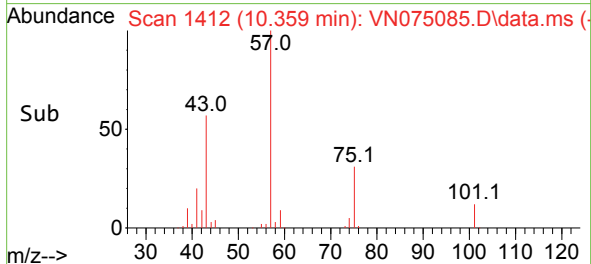
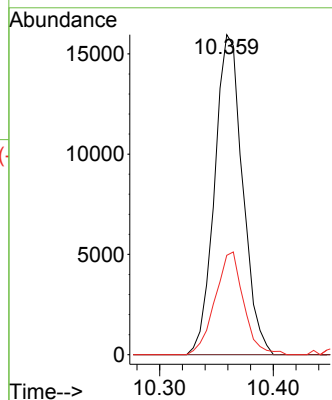
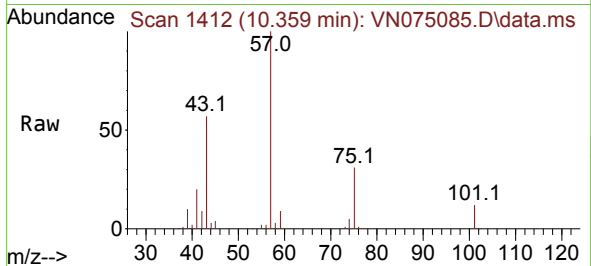




#54
 cis-1,3-Dichloropropene
 Concen: 12.268 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075085.D
 Acq: 31 Oct 2022 14:35

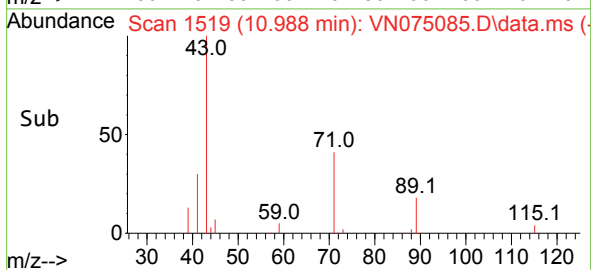
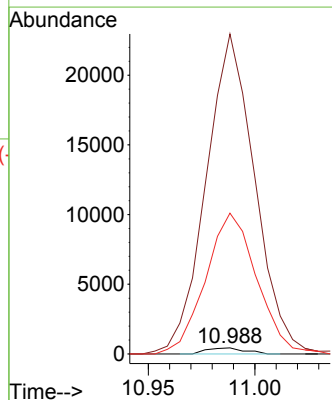
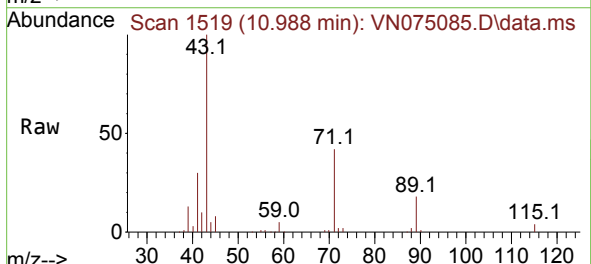
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-4-WC

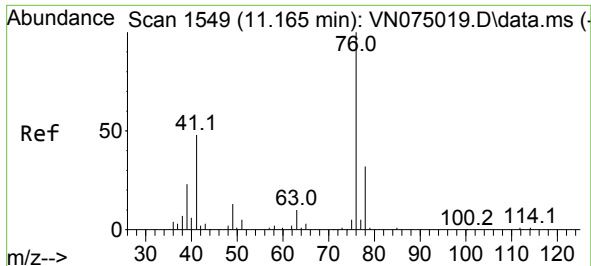
Tgt Ion: 75 Resp: 27356
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 31.0 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.245 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075085.D
 Acq: 31 Oct 2022 14:35

Tgt Ion: 69 Resp: 550
 Ion Ratio Lower Upper
 69 100
 41 6696.0 45.6 68.4#
 39 3073.6 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.498 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075085.D

Acq: 31 Oct 2022 14:35

Instrument :

MSVOA_N

ClientSampleId :

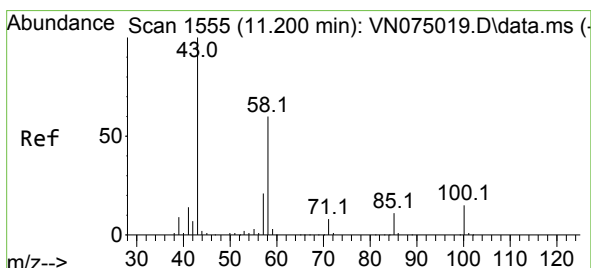
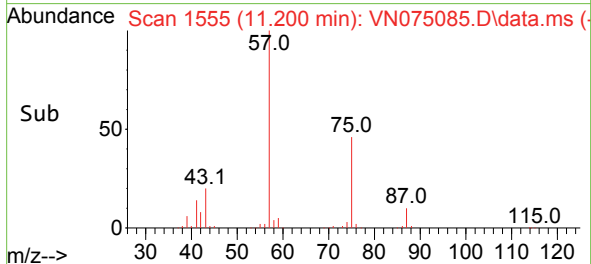
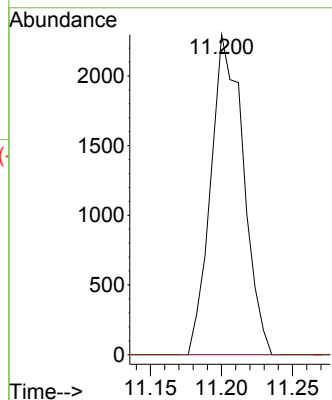
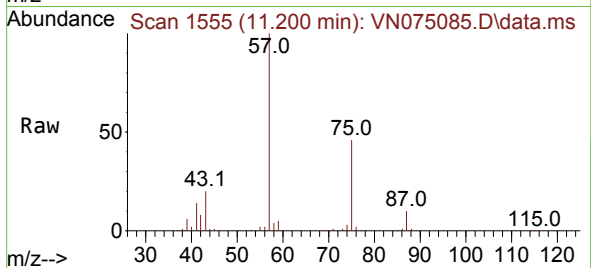
MH-4-WC

Tgt Ion: 76 Resp: 3668

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 35.459 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.023 min

Lab File: VN075085.D

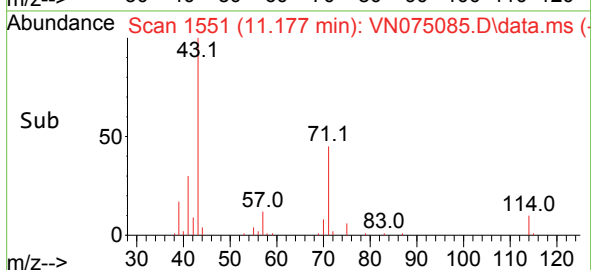
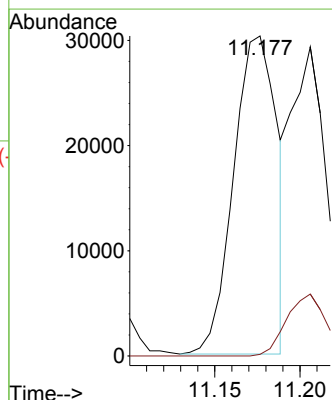
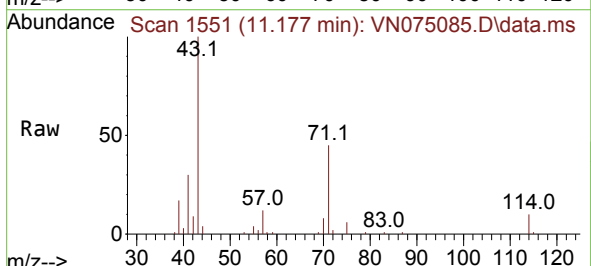
Acq: 31 Oct 2022 14:35

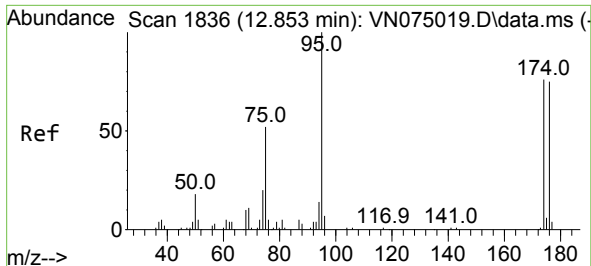
Tgt Ion: 43 Resp: 53526

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

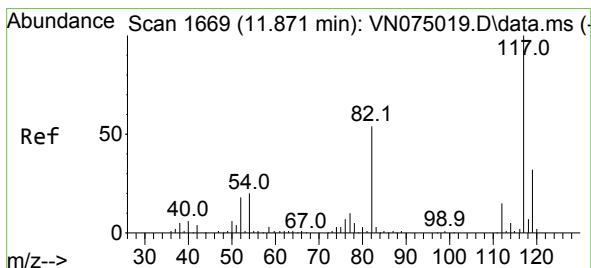
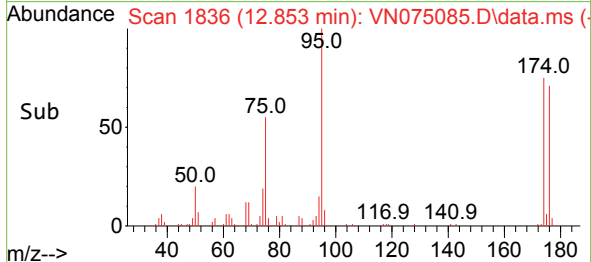
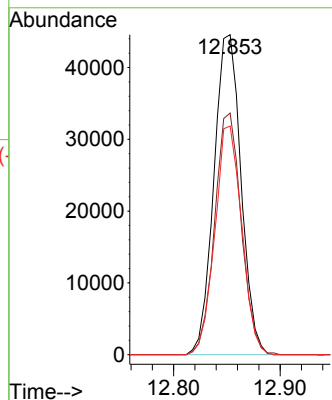
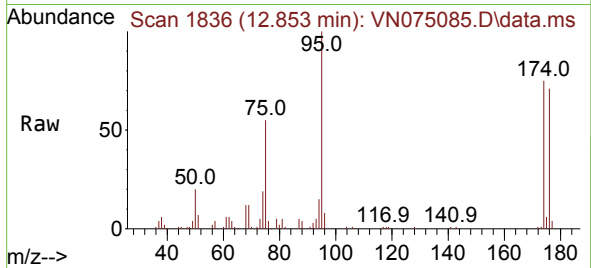




#62
4-Bromofluorobenzene
Concen: 49.340 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

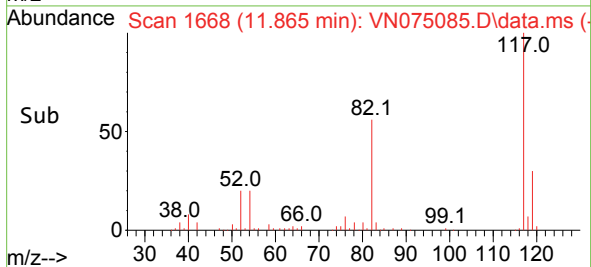
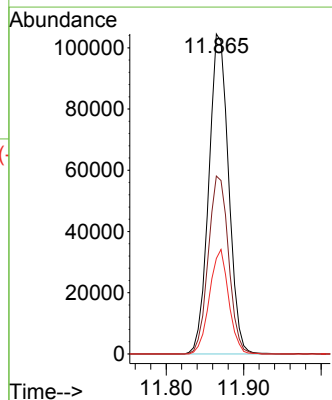
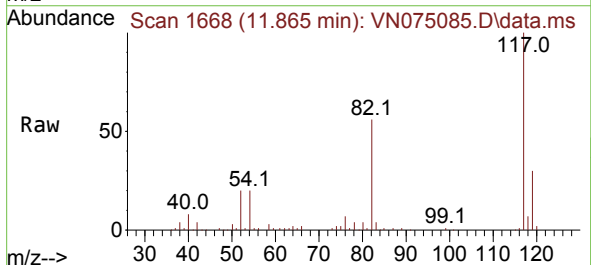
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

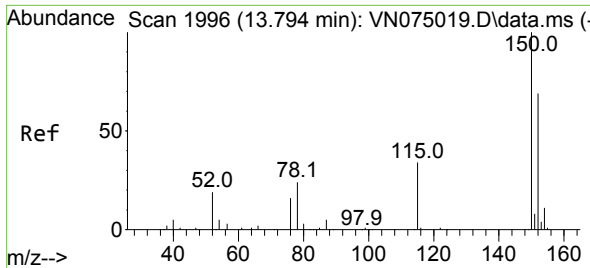
Tgt Ion: 95 Resp: 78698
Ion Ratio Lower Upper
95 100
174 74.2 0.0 147.4
176 70.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 117 Resp: 185295
Ion Ratio Lower Upper
117 100
82 55.6 43.1 64.7
119 29.9 25.5 38.3

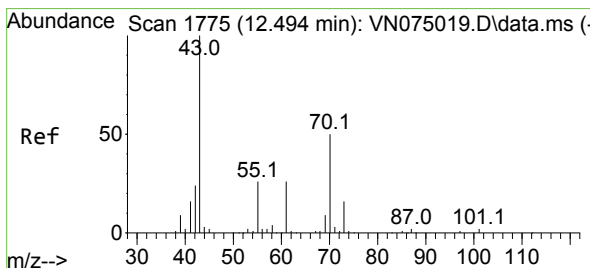
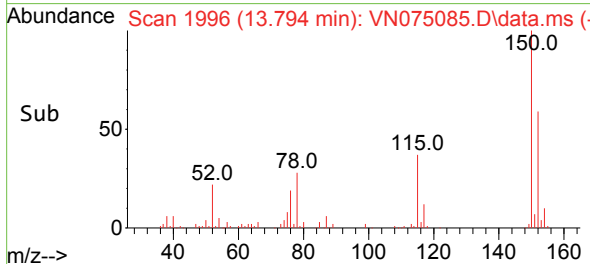
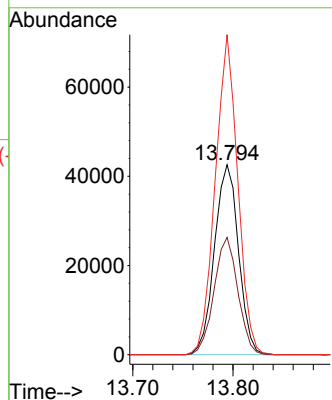
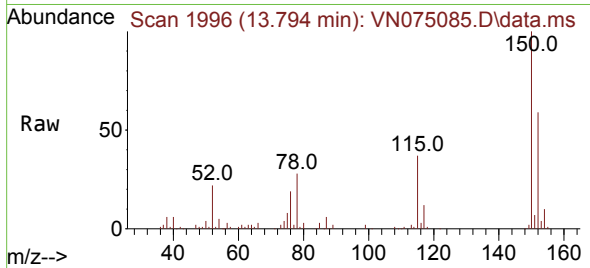




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

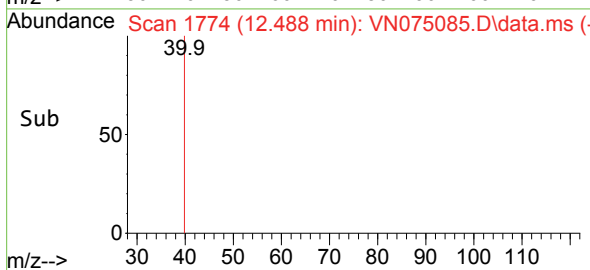
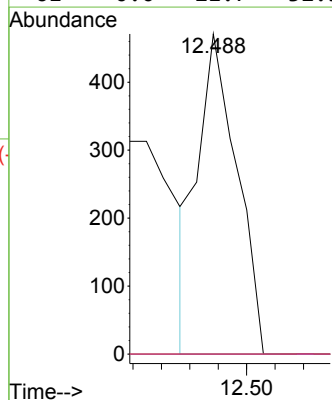
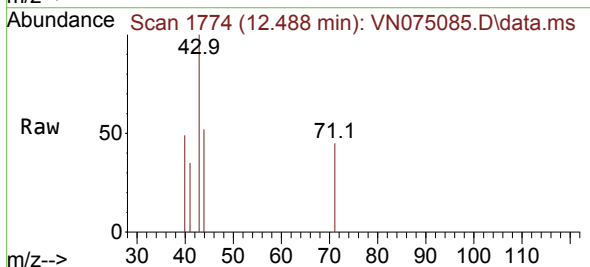
Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

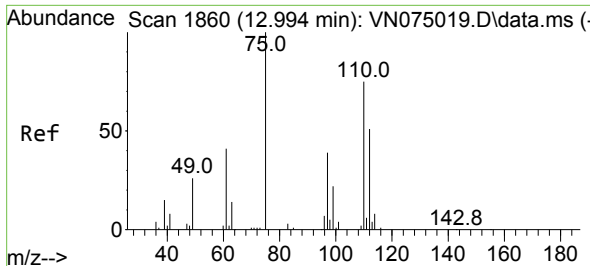
Tgt Ion:152 Resp: 70945
Ion Ratio Lower Upper
152 100
115 61.1 30.2 90.6
150 157.4 0.0 348.4



#74
N-ethyl acetate
Concen: 0.210 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 43 Resp: 442
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#

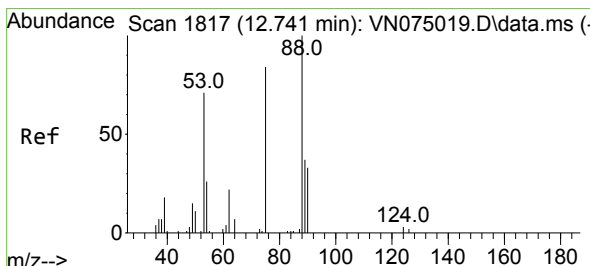
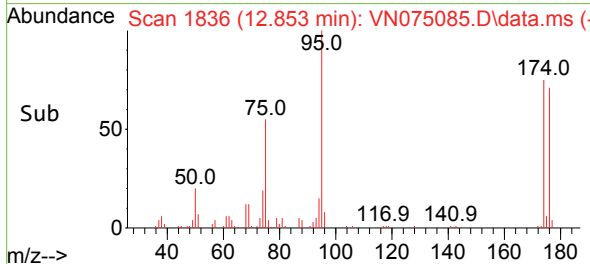
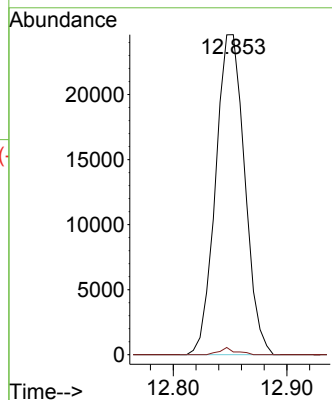
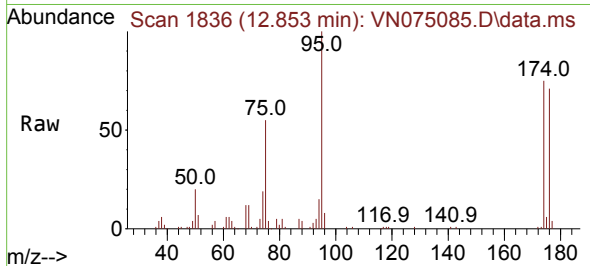




#76
1,2,3-Trichloropropane
Concen: 29.039 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Instrument :
MSVOA_N
ClientSampleId :
MH-4-WC

Tgt Ion: 75 Resp: 43743
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.543 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075085.D
Acq: 31 Oct 2022 14:35

Tgt Ion: 75 Resp: 43743
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

