

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075485.D
 Acq On : 29 Nov 2022 18:50
 Operator : JC\MD
 Sample : N5796-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-15

Quant Time: Nov 30 02:30:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

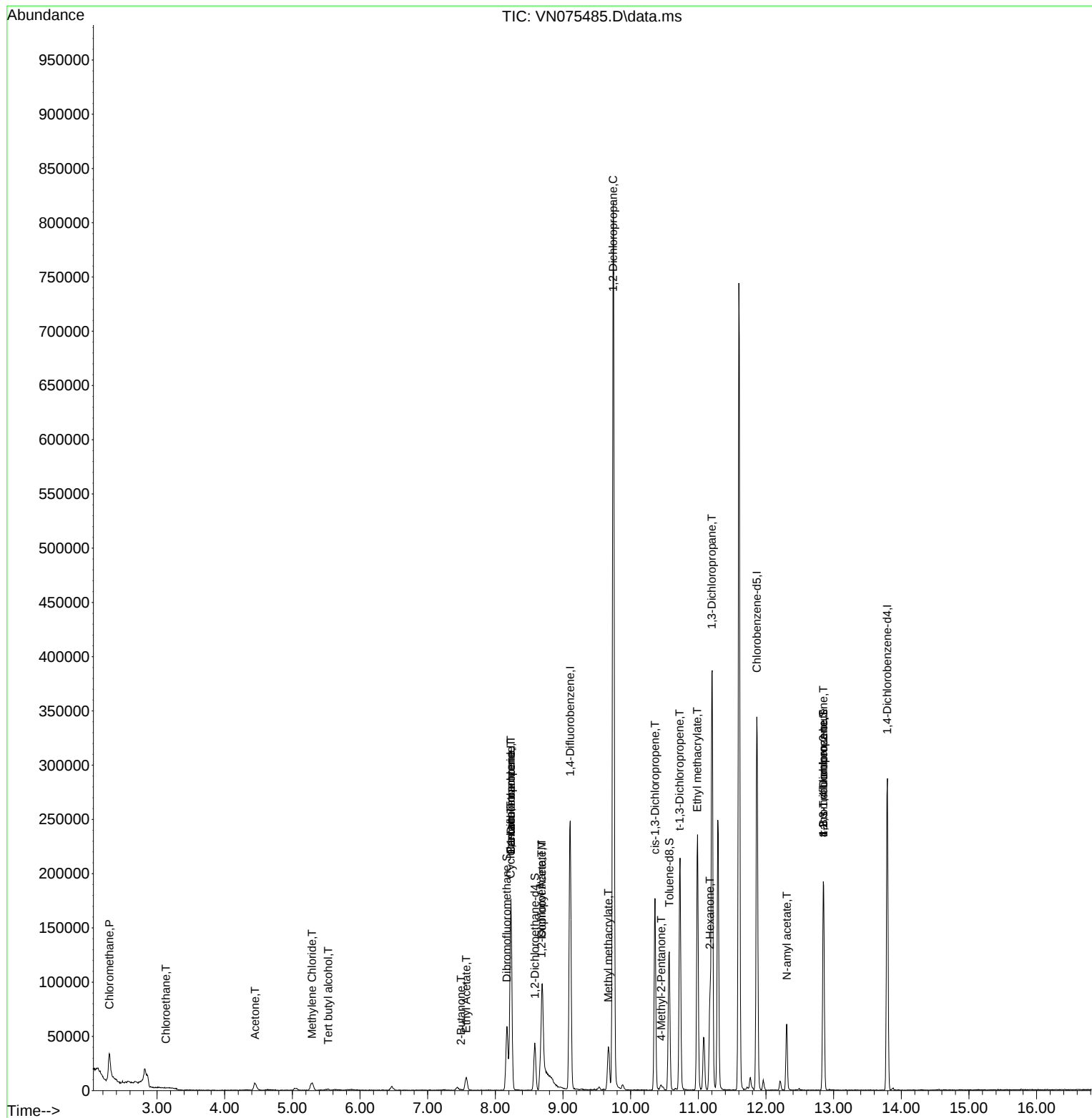
Internal Standards						
1) Pentafluorobenzene	8.230	168	128891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	233195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	82178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	33882	48.972	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.940%
35) Dibromofluoromethane	8.171	113	42000	45.848	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.700%
50) Toluene-d8	10.571	98	91580	44.387	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.780%
62) 4-Bromofluorobenzene	12.847	95	67685	44.445	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.295	50	747	0.609	ug/l #	42
6) Chloroethane	3.130	64	288	0.246	ug/l #	45
11) Tert butyl alcohol	5.530	59	213	0.733	ug/l #	72
16) Acetone	4.447	43	13358	20.699	ug/l	99
18) Methyl Acetate	5.030	43	1789	Below Cal	#	47
20) Methylene Chloride	5.289	84	6097	3.469	ug/l #	73
25) 2-Butanone	7.494	43	1032	1.145	ug/l #	43
31) Cyclohexane	8.224	56	2336	1.063	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	10000	5.006	ug/l #	50
37) Ethyl Acetate	7.571	43	17291	9.612	ug/l	99
38) Carbon Tetrachloride	8.230	117	13253	6.039	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	570	0.278	ug/l #	75
43) Isopropyl Acetate	8.688	43	133643	46.286	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1160	0.796	ug/l #	42
48) Methyl methacrylate	9.671	41	2368	1.774	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	6302	3.427	ug/l #	63
53) t-1,3-Dichloropropene	10.724	75	494	0.230	ug/l #	57
54) cis-1,3-Dichloropropene	10.359	75	33887	14.557	ug/l #	61
56) Ethyl methacrylate	10.982	69	954	0.440	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4421	1.689	ug/l #	42
59) 2-Hexanone	11.171	43	66608	48.235	ug/l #	21
74) N-amyl acetate	12.306	43	17876	9.685	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	33098	21.302	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	33098	63.027	ug/l #	10

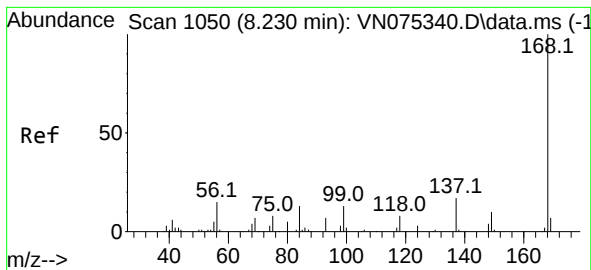
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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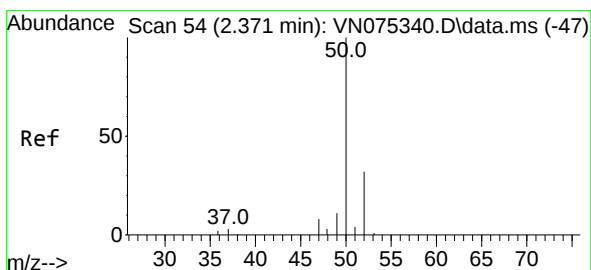
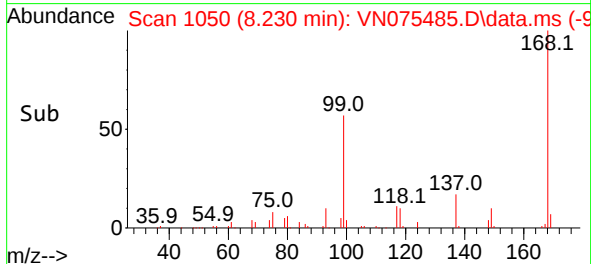
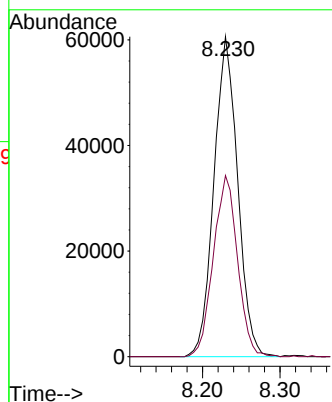
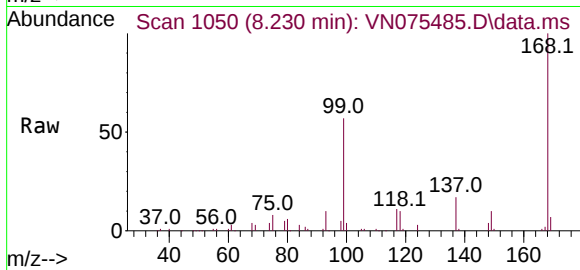




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

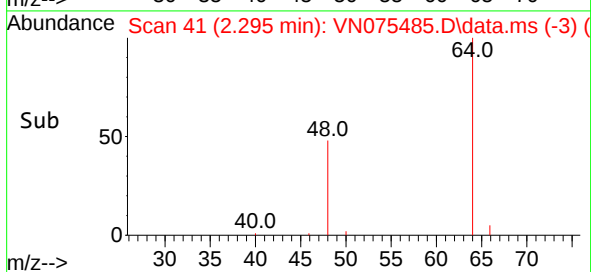
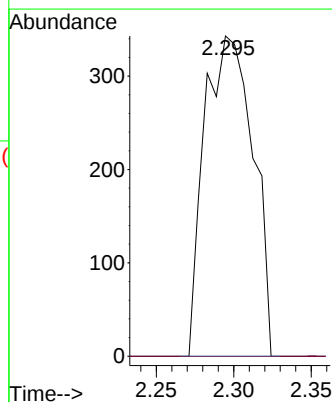
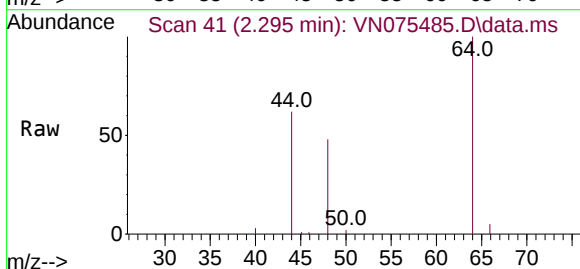
Instrument :
MSVOA_N
ClientSampleId :
MH-15

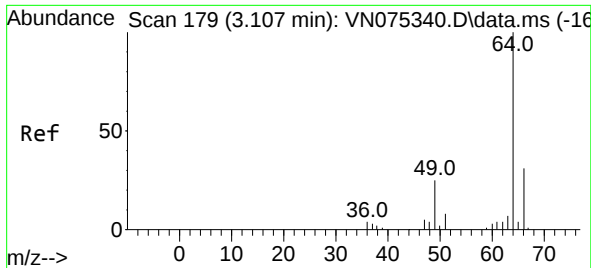
Tgt Ion:168 Resp: 128891
Ion Ratio Lower Upper
168 100
99 56.6 51.6 77.4



#3
Chloromethane
Concen: 0.609 ug/l
RT: 2.295 min Scan# 41
Delta R.T. -0.076 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 50 Resp: 747
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

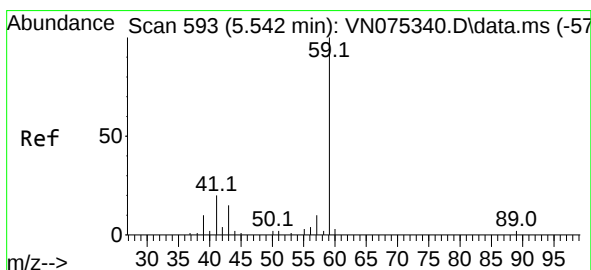
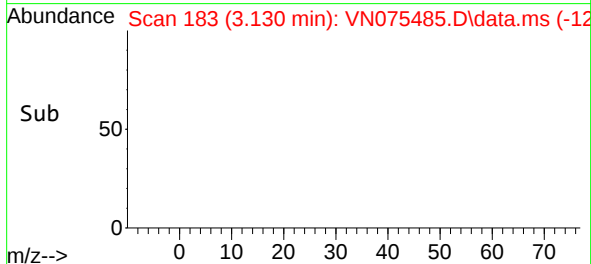
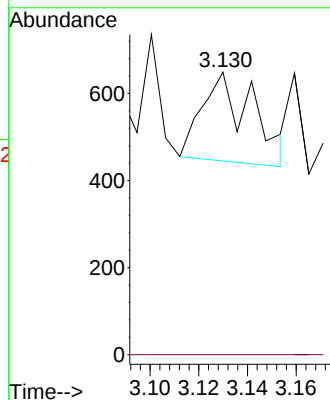
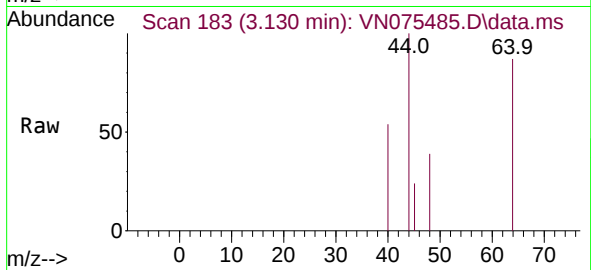




#6
Chloroethane
Concen: 0.246 ug/l
RT: 3.130 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

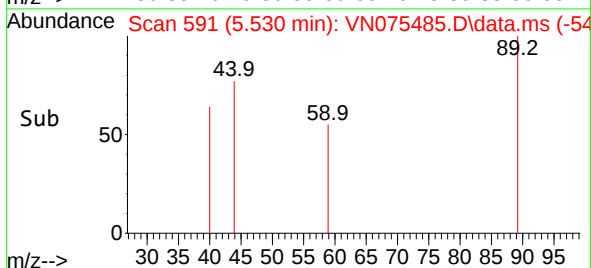
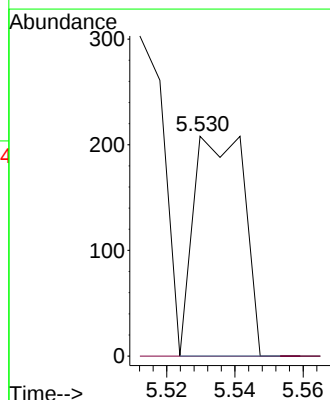
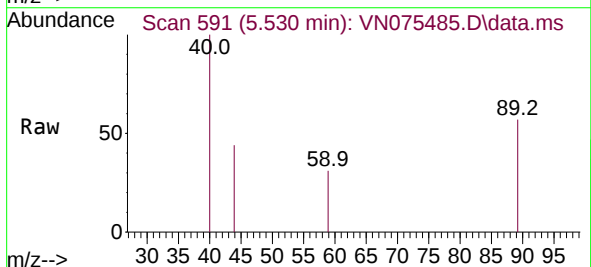
Instrument :
MSVOA_N
ClientSampleId :
MH-15

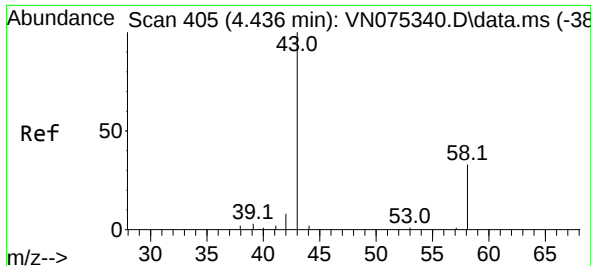
Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.733 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

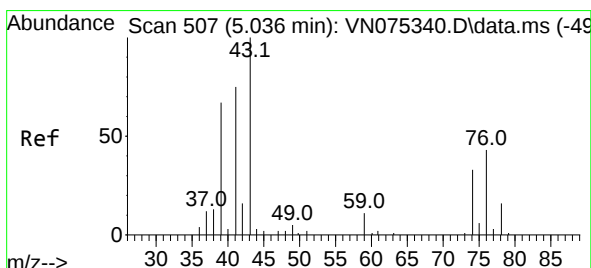
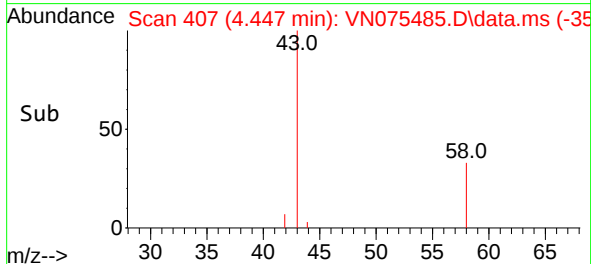
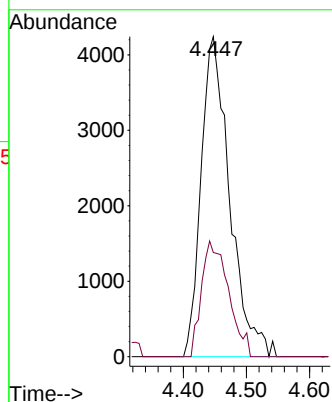
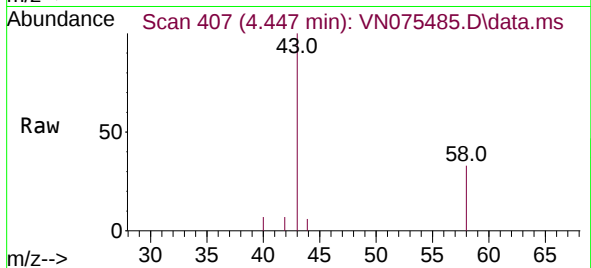




#16
Acetone
Concen: 20.699 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

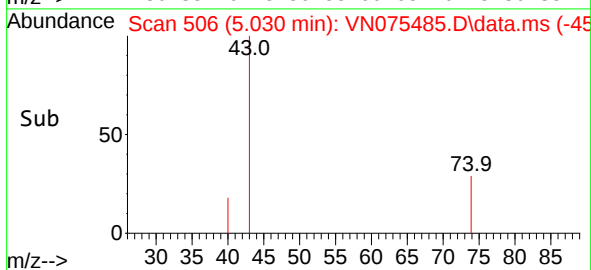
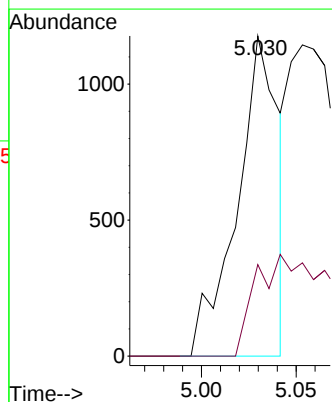
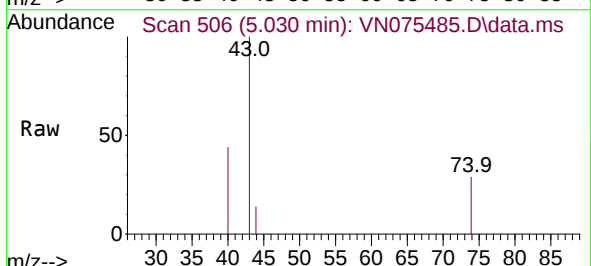
Instrument :
MSVOA_N
ClientSampleId :
MH-15

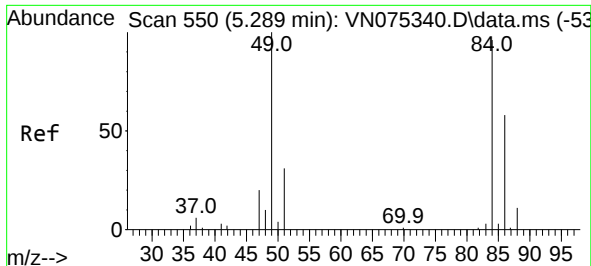
Tgt Ion: 43 Resp: 13358
Ion Ratio Lower Upper
43 100
58 32.5 25.5 38.3



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 506
Delta R.T. -0.006 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#

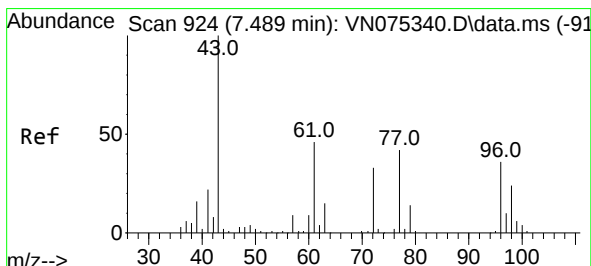
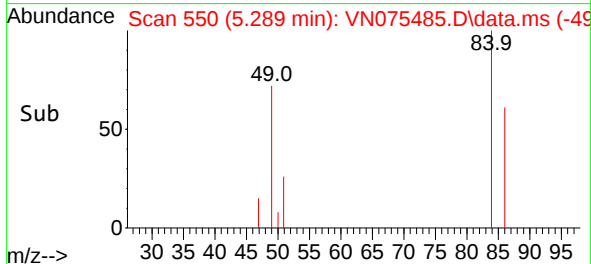
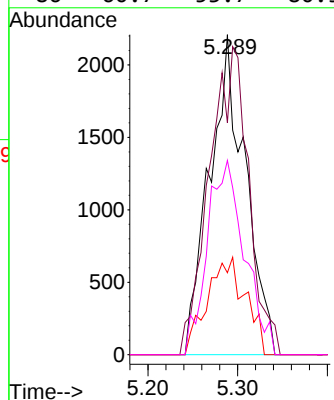
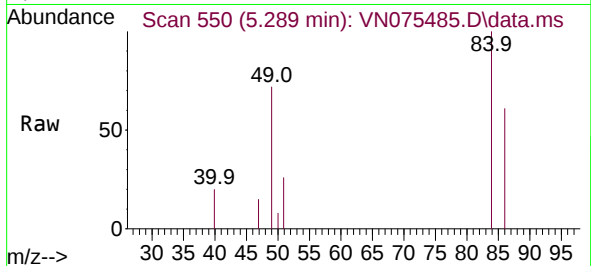




#20
Methylene Chloride
Concen: 3.469 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

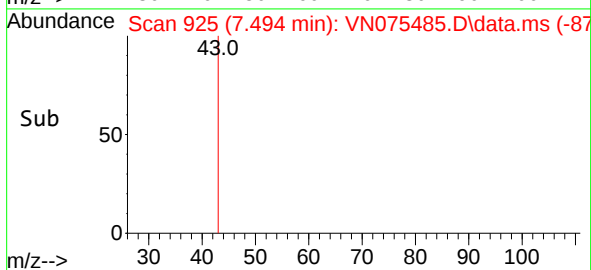
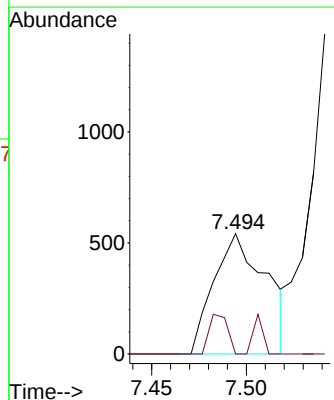
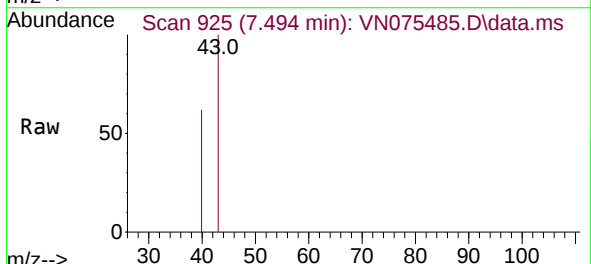
Instrument :
MSVOA_N
ClientSampleId :
MH-15

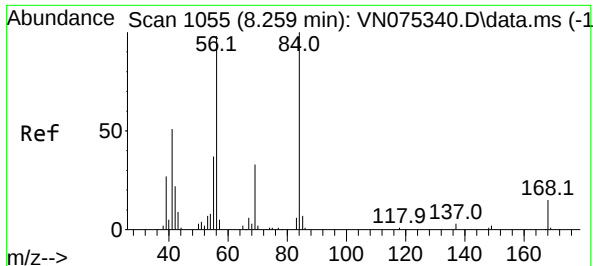
Tgt Ion: 84	Resp: 6097
Ion Ratio	Lower Upper
84 100	
49 72.5	94.9 142.3#
51 25.6	26.8 40.2#
86 60.7	53.7 80.5



#25
2-Butanone
Concen: 1.145 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 43	Resp: 1032		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	25.5	38.3#	

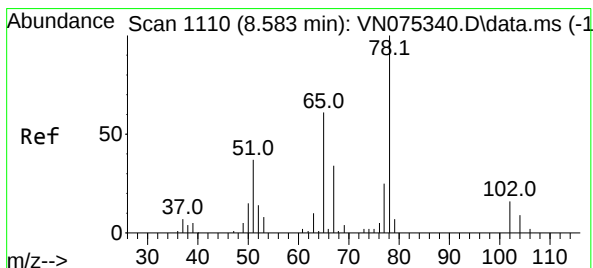
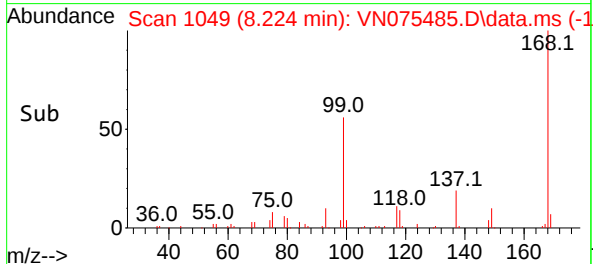
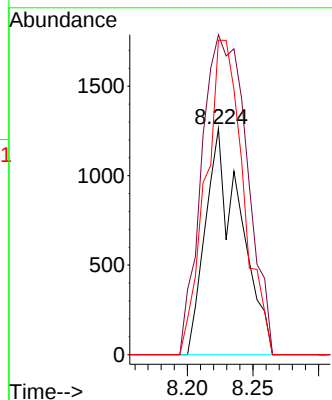
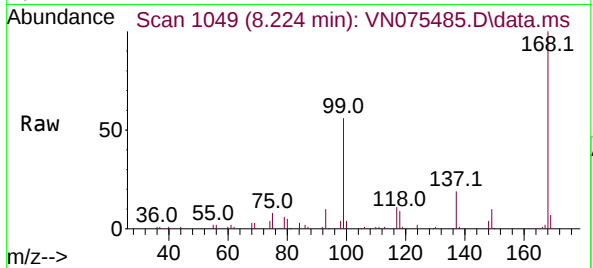




#31
Cyclohexane
Concen: 1.063 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

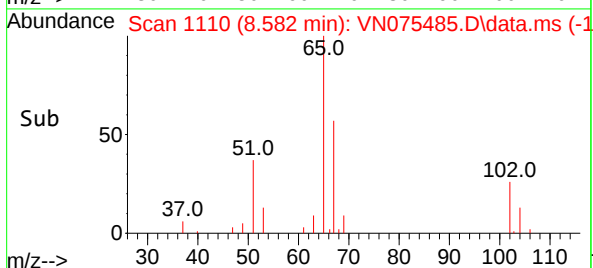
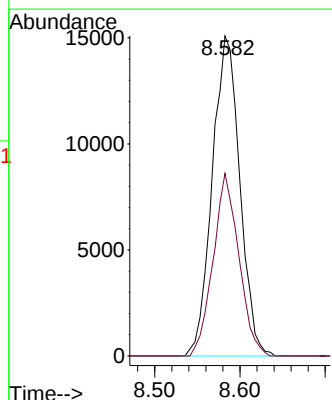
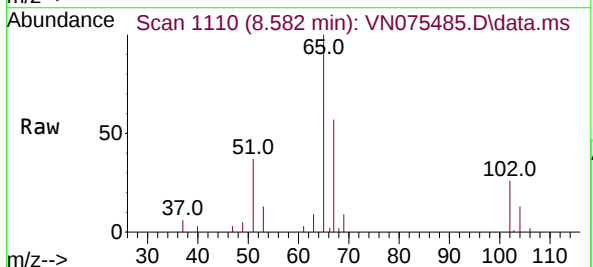
Instrument :
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ClientSampleId :
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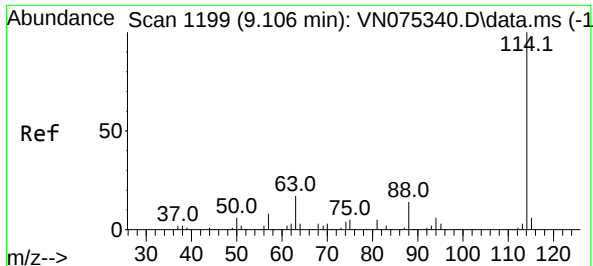
Tgt Ion: 56 Resp: 2336
Ion Ratio Lower Upper
56 100
69 141.6 25.2 37.8#
84 139.2 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 48.972 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 65 Resp: 33882
Ion Ratio Lower Upper
65 100
67 53.2 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: VN075485.D

Acq: 29 Nov 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

MH-15

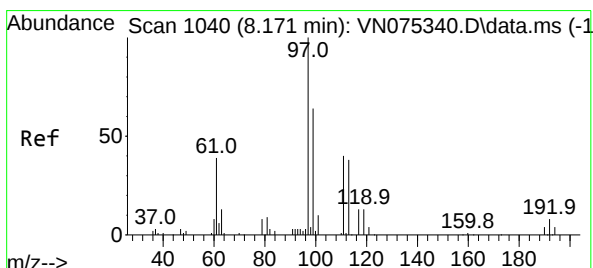
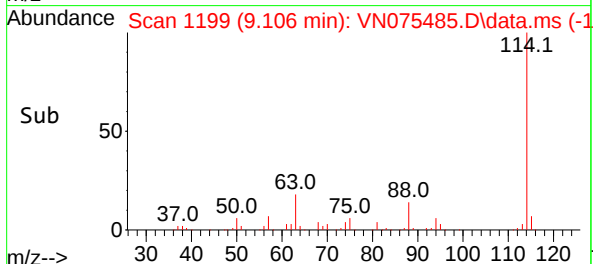
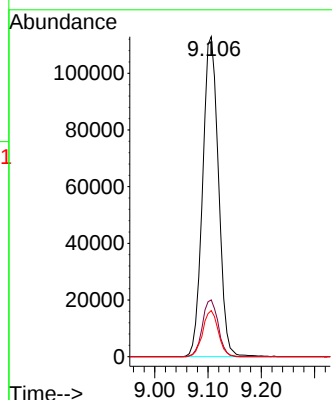
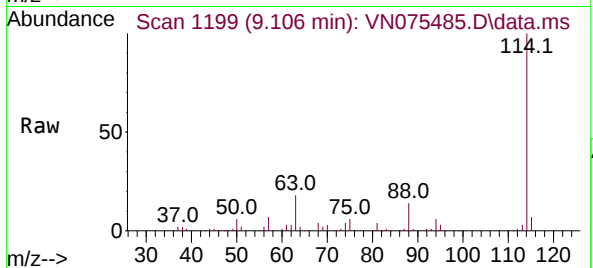
Tgt Ion:114 Resp: 233195

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 14.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 45.848 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075485.D

Acq: 29 Nov 2022 18:50

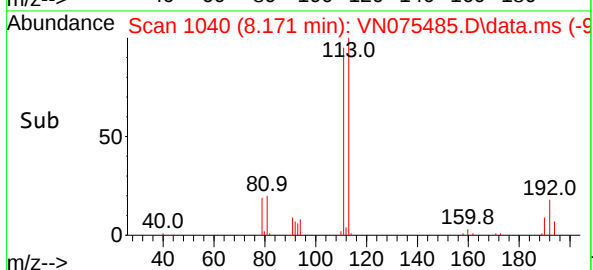
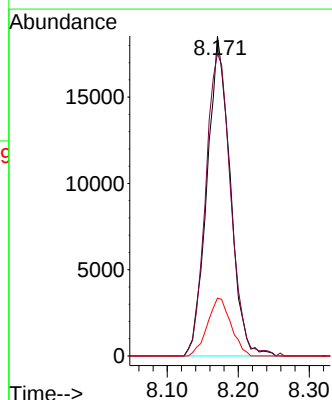
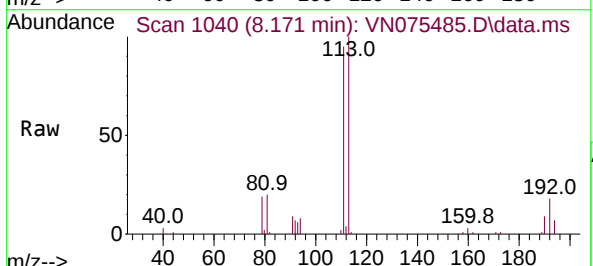
Tgt Ion:113 Resp: 42000

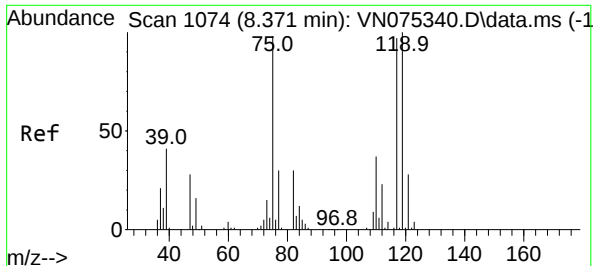
Ion Ratio Lower Upper

113 100

111 102.3 80.5 120.7

192 18.3 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.006 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075485.D

Acq: 29 Nov 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

MH-15

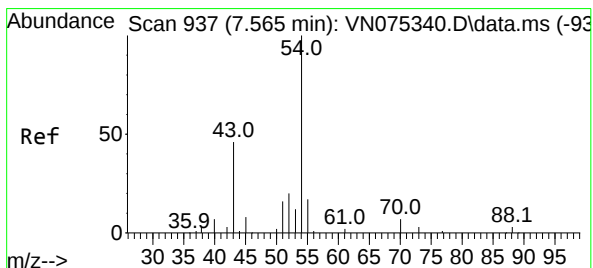
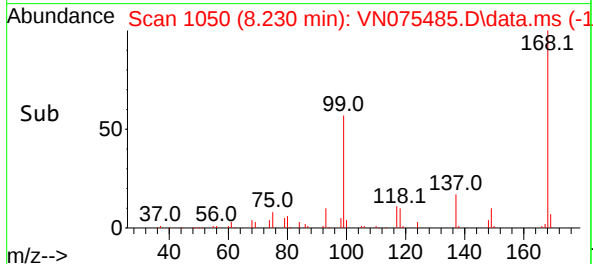
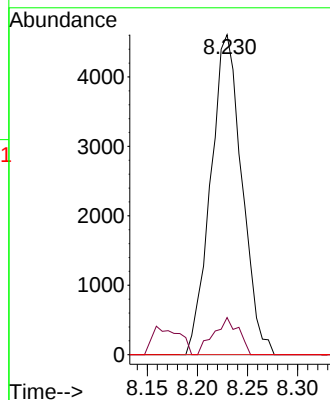
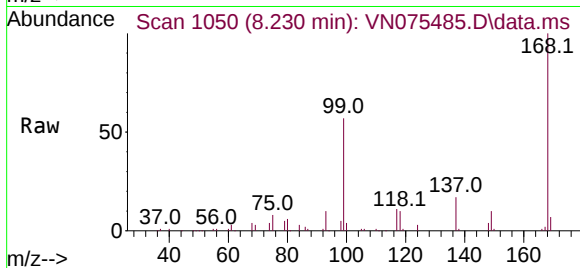
Tgt Ion: 75 Resp: 10000

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 9.612 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN075485.D

Acq: 29 Nov 2022 18:50

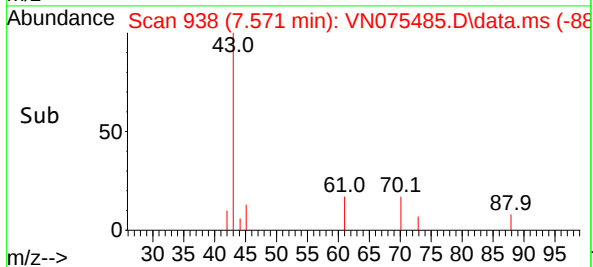
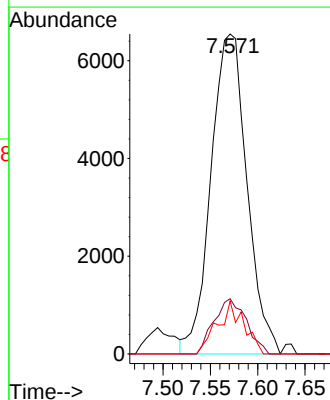
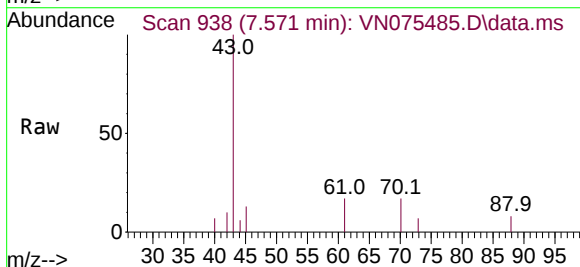
Tgt Ion: 43 Resp: 17291

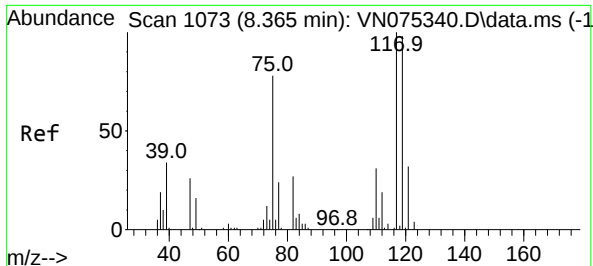
Ion Ratio Lower Upper

43 100

61 15.6 12.2 18.4

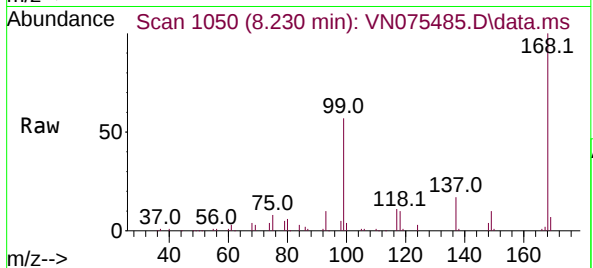
70 12.1 9.4 14.2



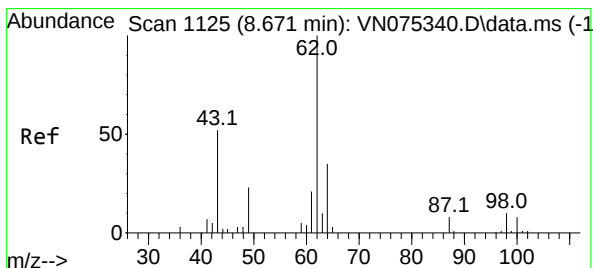
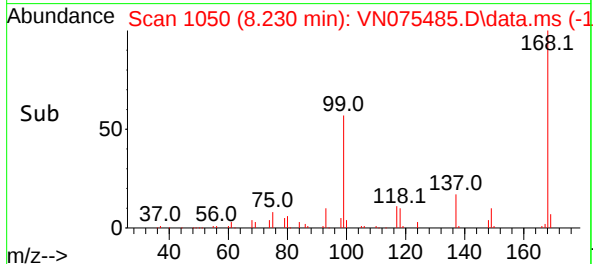
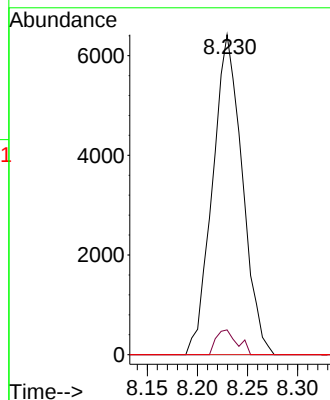


#38
Carbon Tetrachloride
Concen: 6.039 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Instrument :
MSVOA_N
ClientSampleId :
MH-15

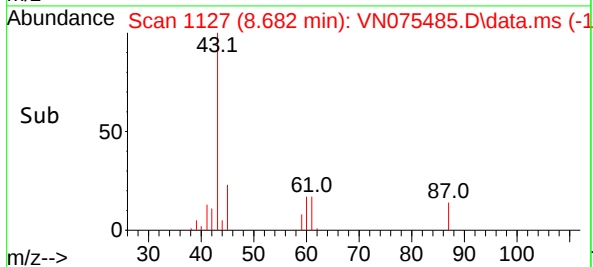
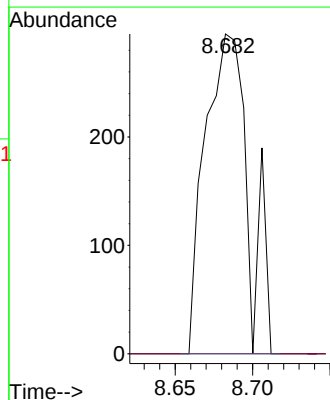
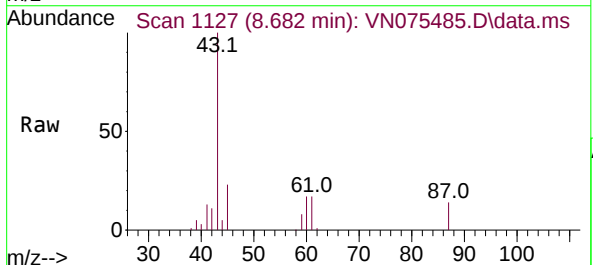


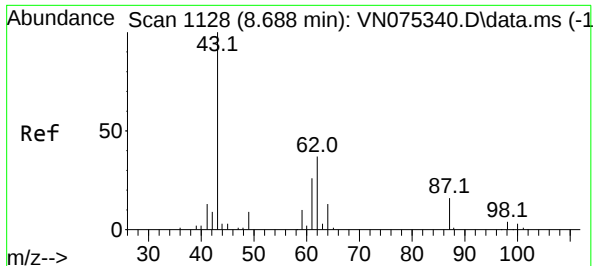
Tgt Ion:117 Resp: 13253
Ion Ratio Lower Upper
117 100
119 7.8 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.278 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.011 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 62 Resp: 570
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

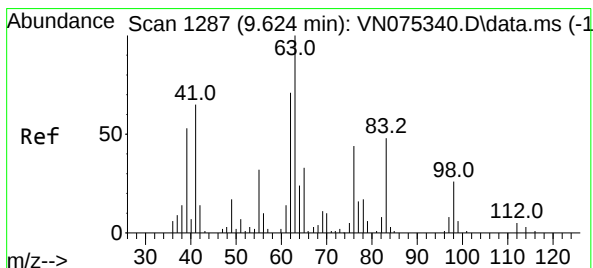
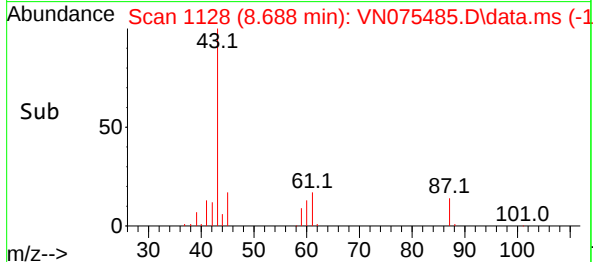
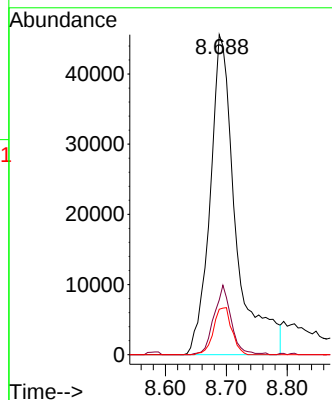
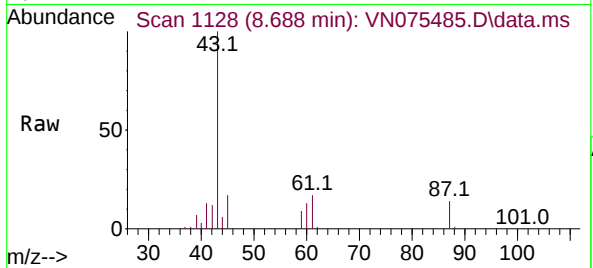




#43
Isopropyl Acetate
Concen: 46.286 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

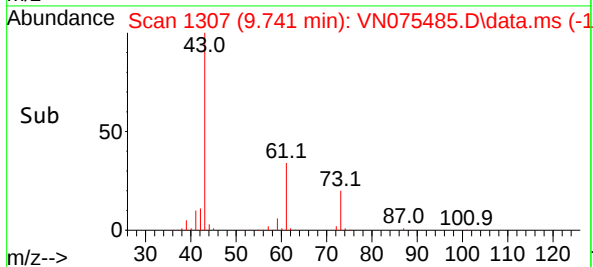
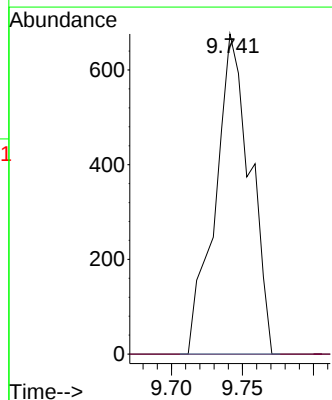
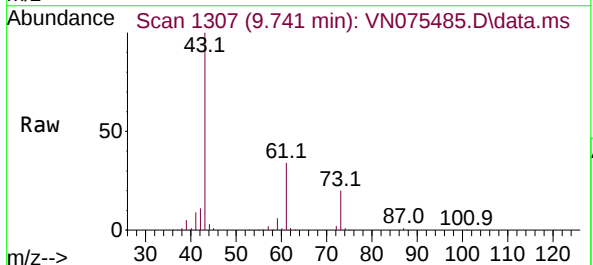
Instrument :
MSVOA_N
ClientSampleId :
MH-15

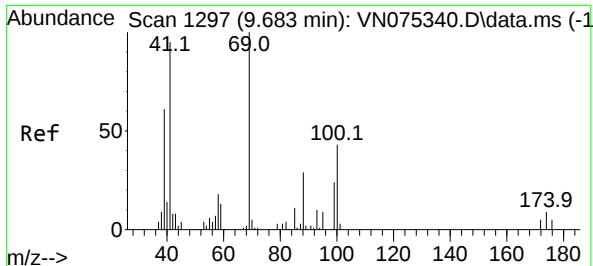
Tgt Ion: 43 Resp: 133643
Ion Ratio Lower Upper
43 100
61 14.5 22.4 33.6#
87 10.4 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.796 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 63 Resp: 1160
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.774 ug/l

RT: 9.671 min Scan# 1297

Delta R.T. -0.012 min

Lab File: VN075485.D

Acq: 29 Nov 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

MH-15

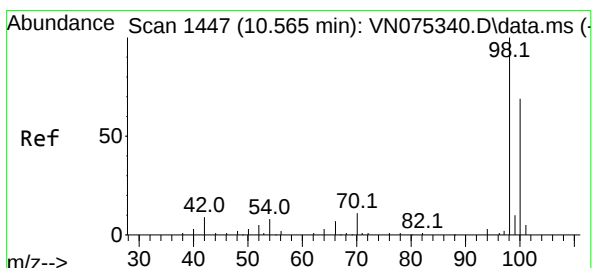
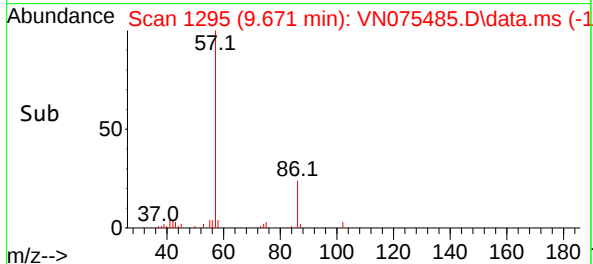
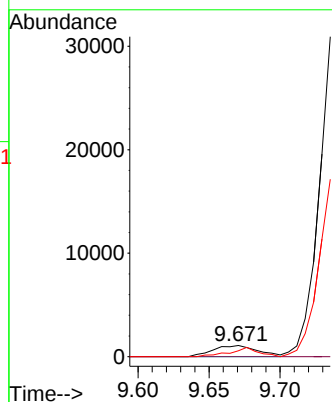
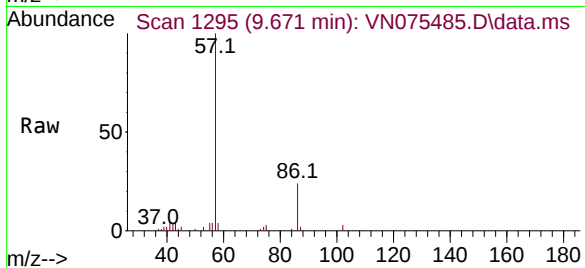
Tgt Ion: 41 Resp: 2368

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 51.9 56.2 84.2#



#50

Toluene-d8

Concen: 44.387 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075485.D

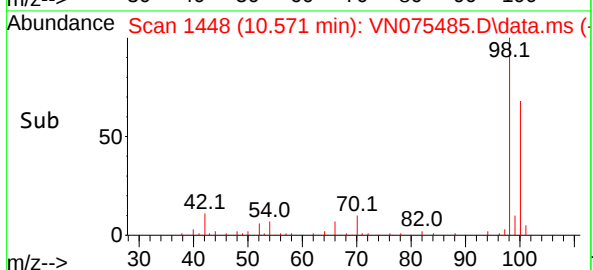
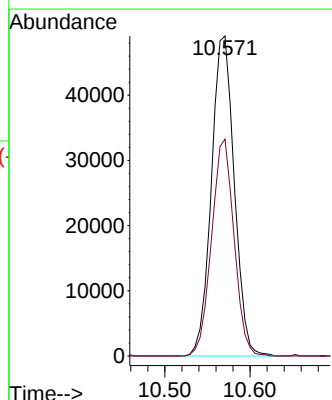
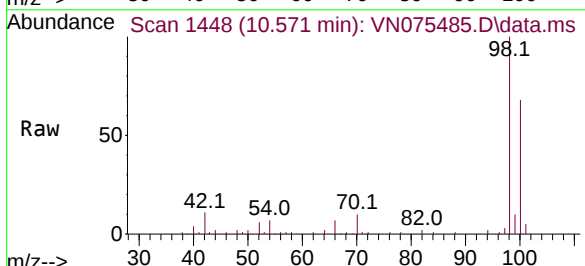
Acq: 29 Nov 2022 18:50

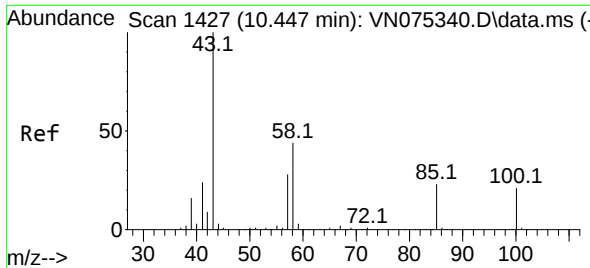
Tgt Ion: 98 Resp: 91580

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.6

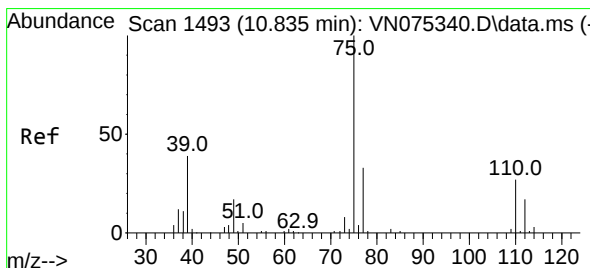
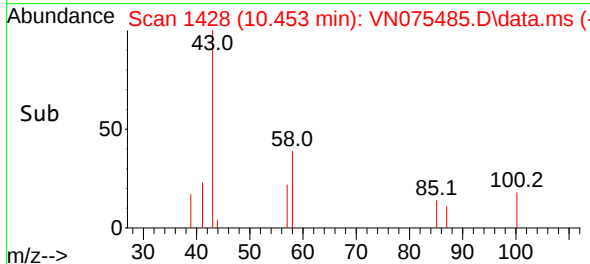
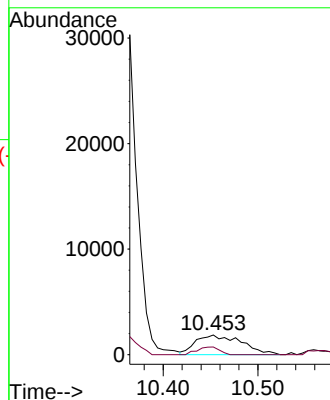
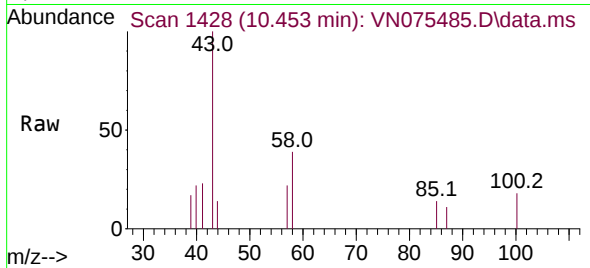




#51
4-Methyl-2-Pentanone
Concen: 3.427 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

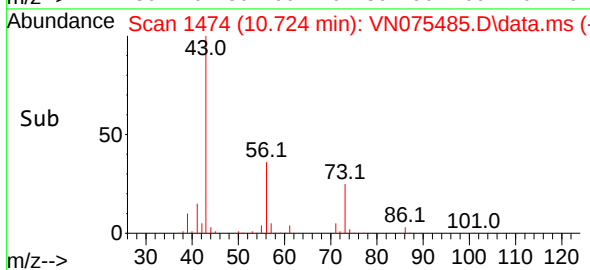
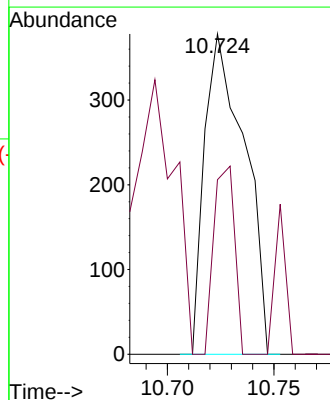
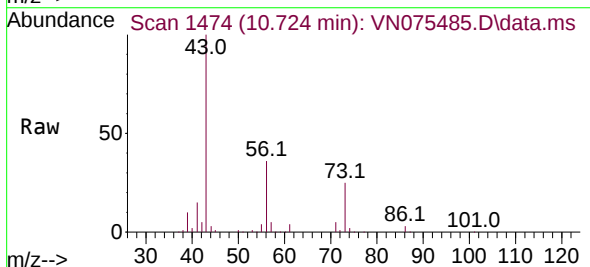
Instrument :
MSVOA_N
ClientSampleId :
MH-15

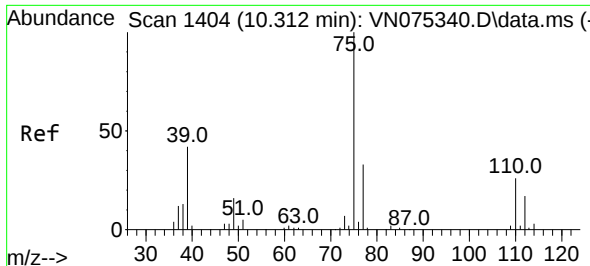
Tgt Ion: 43 Resp: 6302
Ion Ratio Lower Upper
43 100
58 18.8 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.230 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.111 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 75 Resp: 494
Ion Ratio Lower Upper
75 100
77 7.7 25.4 38.2#

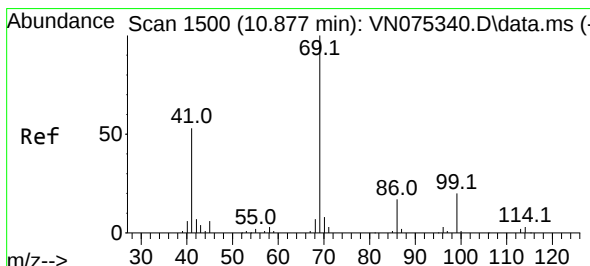
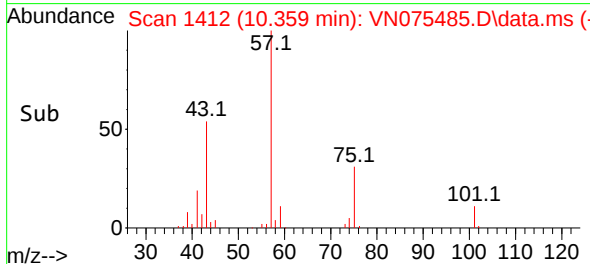
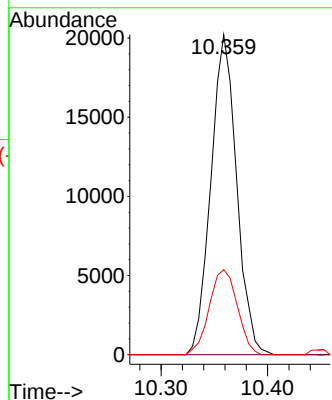
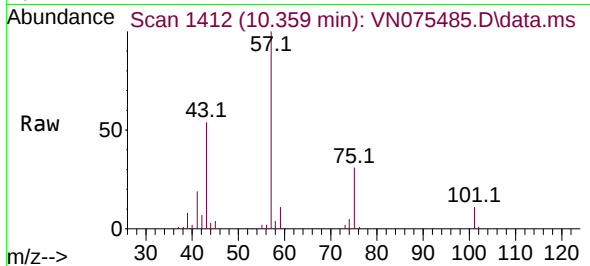




#54
cis-1,3-Dichloropropene
Concen: 14.557 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

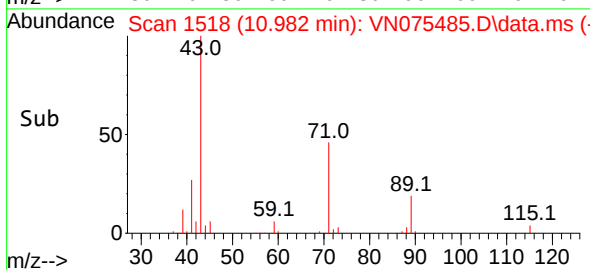
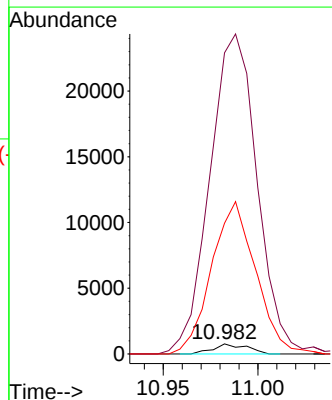
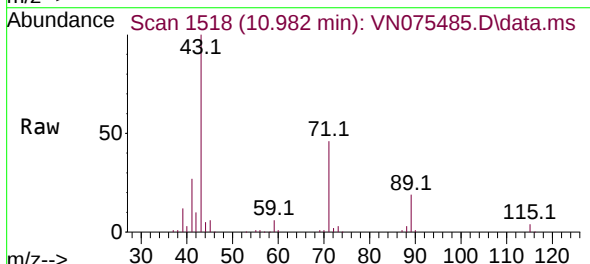
Instrument :
MSVOA_N
ClientSampleId :
MH-15

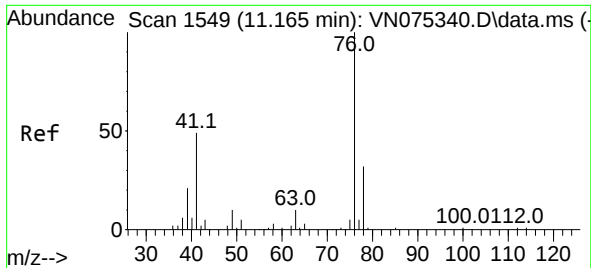
Tgt Ion: 75 Resp: 33887
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 26.6 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.440 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.105 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 69 Resp: 954
Ion Ratio Lower Upper
69 100
41 4464.3 45.6 68.4#
39 1975.8 28.5 42.7#

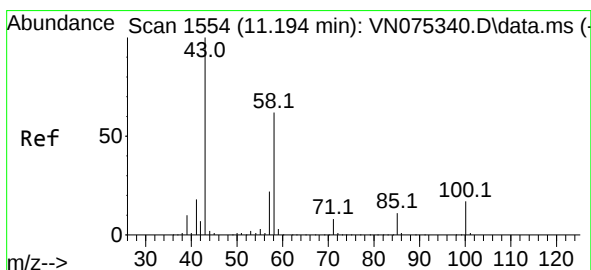
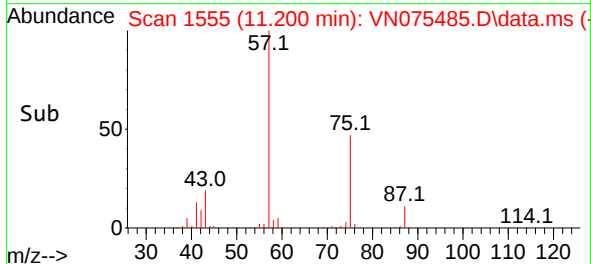
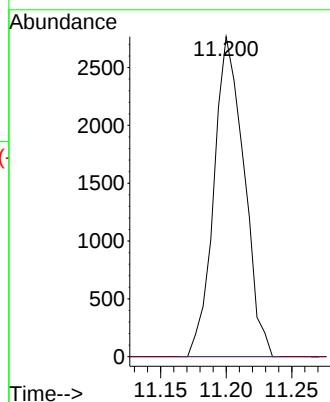
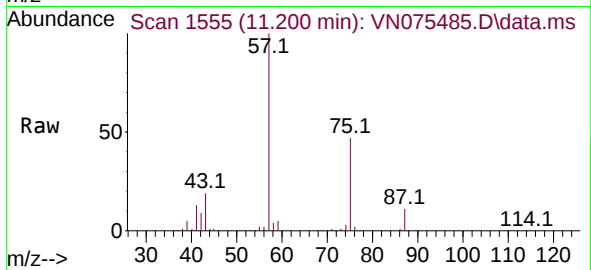




#57
1,3-Dichloropropane
Concen: 1.689 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

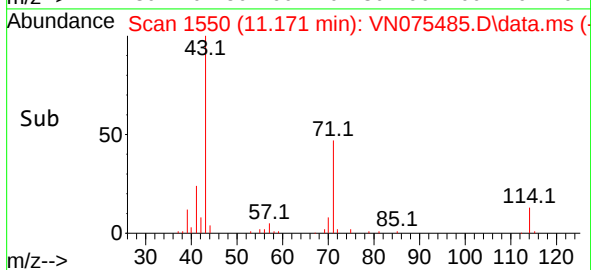
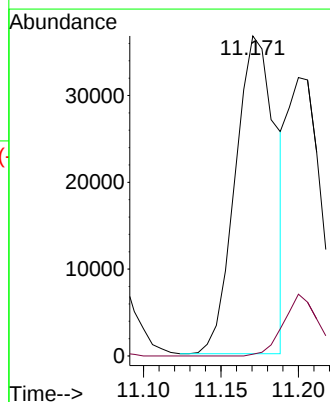
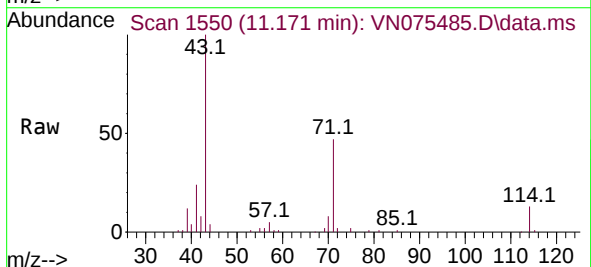
Instrument :
MSVOA_N
ClientSampleId :
MH-15

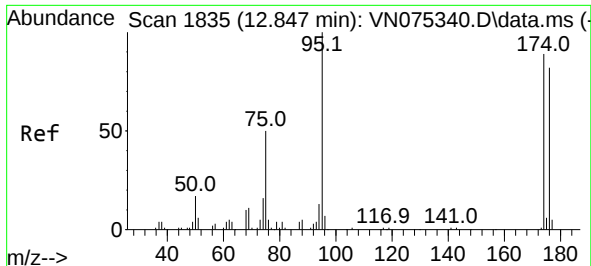
Tgt Ion: 76 Resp: 4421
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 48.235 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.023 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 43 Resp: 66608
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 44.445 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.000 min

Lab File: VN075485.D

Acq: 29 Nov 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

MH-15

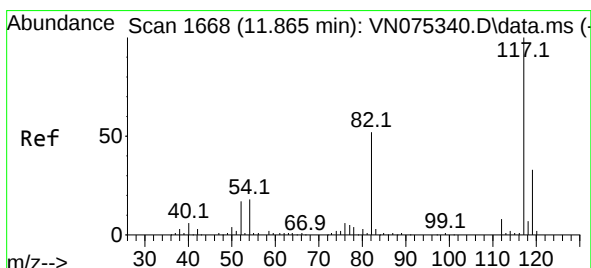
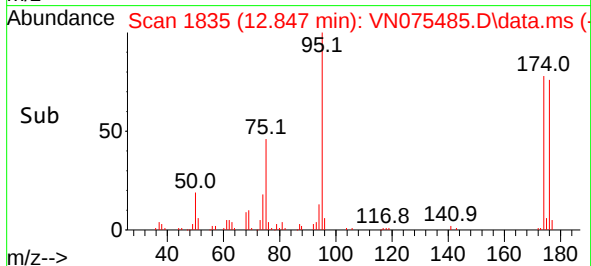
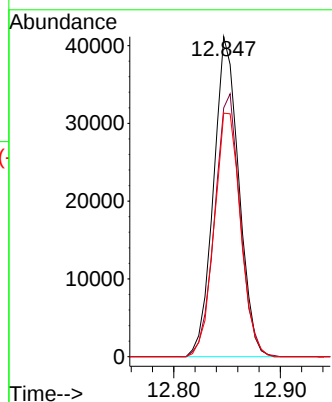
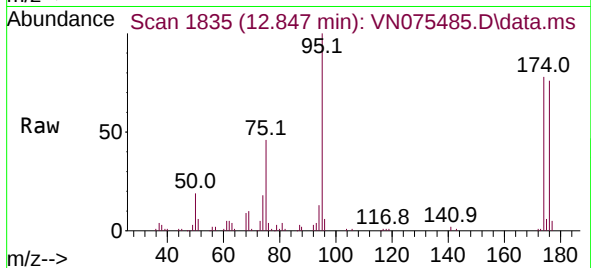
Tgt Ion: 95 Resp: 67685

Ion Ratio Lower Upper

95 100

174 82.6 0.0 147.4

176 79.5 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VN075485.D

Acq: 29 Nov 2022 18:50

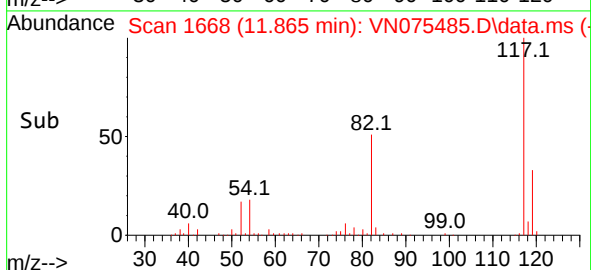
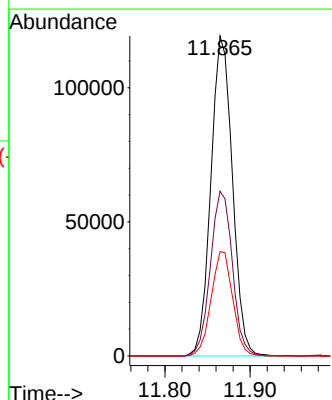
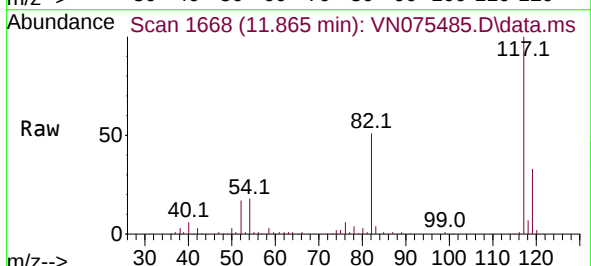
Tgt Ion: 117 Resp: 209504

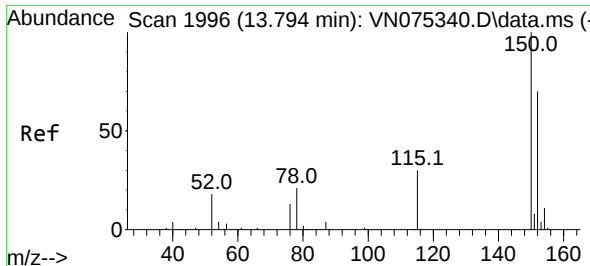
Ion Ratio Lower Upper

117 100

82 51.5 43.1 64.7

119 32.6 25.5 38.3

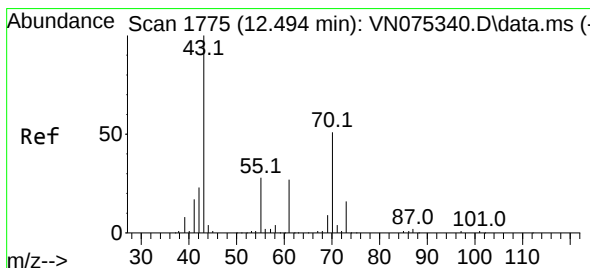
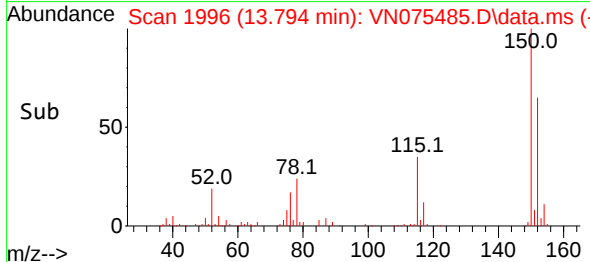
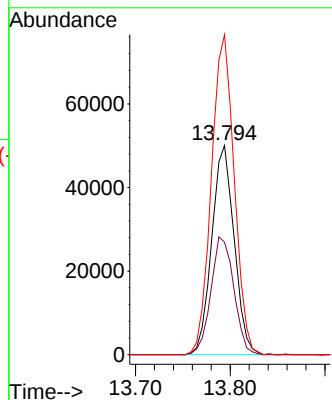
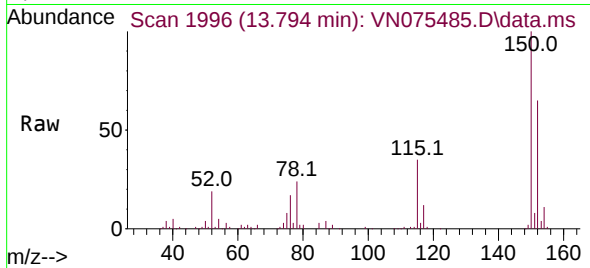




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075485.D
 Acq: 29 Nov 2022 18:50

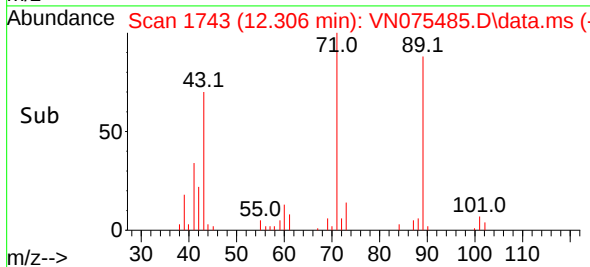
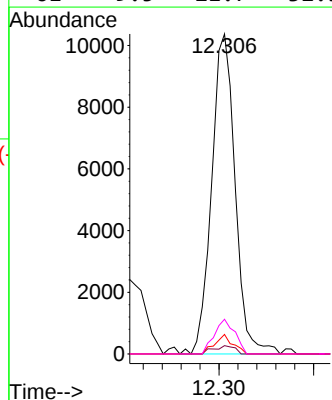
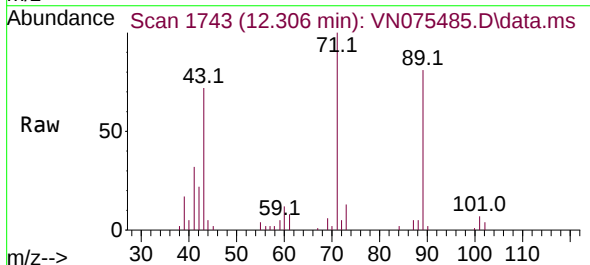
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-15

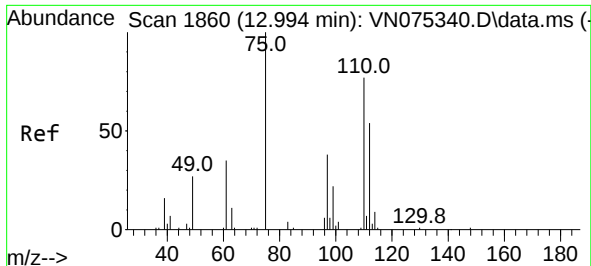
Tgt Ion:152 Resp: 82178
 Ion Ratio Lower Upper
 152 100
 115 57.6 30.2 90.6
 150 155.8 0.0 348.4



#74
 N-ethyl acetate
 Concen: 9.685 ug/l
 RT: 12.306 min Scan# 1743
 Delta R.T. -0.188 min
 Lab File: VN075485.D
 Acq: 29 Nov 2022 18:50

Tgt Ion: 43 Resp: 17876
 Ion Ratio Lower Upper
 43 100
 70 2.3 39.8 59.8#
 55 4.7 19.9 29.9#
 61 9.5 21.7 32.5#

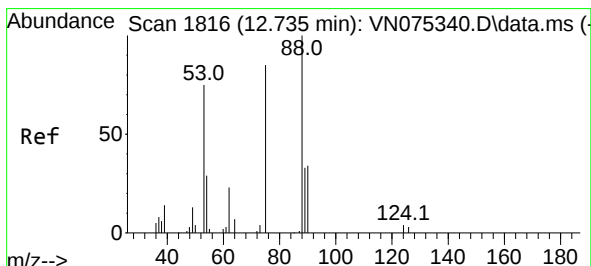
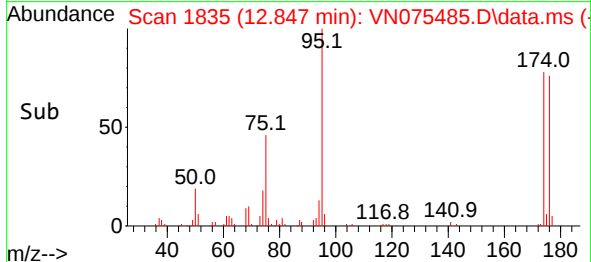
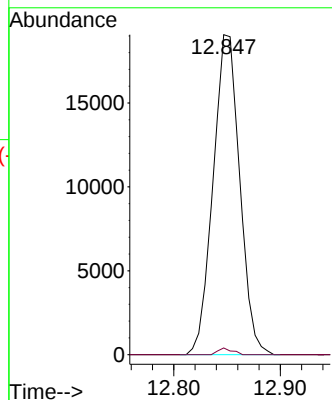
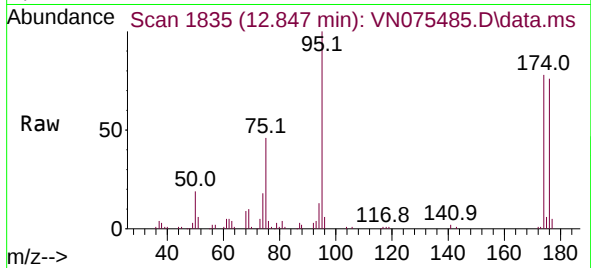




#76
1,2,3-Trichloropropane
Concen: 21.302 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Instrument :
MSVOA_N
ClientSampleId :
MH-15

Tgt Ion: 75 Resp: 33098
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.027 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075485.D
Acq: 29 Nov 2022 18:50

Tgt Ion: 75 Resp: 33098
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

