

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075540.D
 Acq On : 02 Dec 2022 18:29
 Operator : JC\MD
 Sample : N5844-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-17

Quant Time: Dec 03 00:36:59 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)

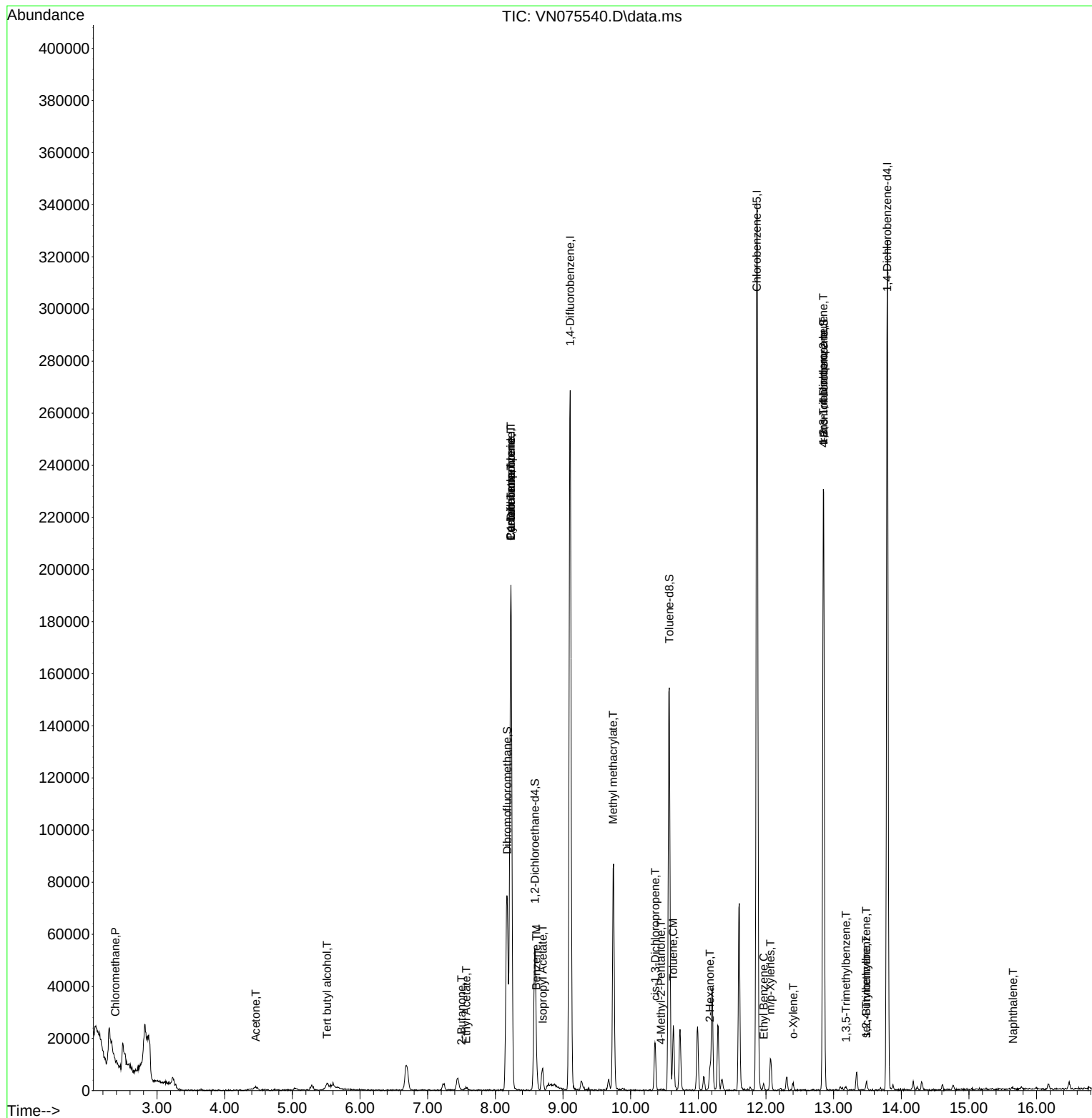
Internal Standards						
1) Pentafluorobenzene	8.230	168	155100	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	254216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	43131	51.806	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 103.620%		
35) Dibromofluoromethane	8.177	113	55603	55.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 111.360%		
50) Toluene-d8	10.571	98	112630	50.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 100.140%		
62) 4-Bromofluorobenzene	12.853	95	79854	48.100	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 96.200%		
Target Compounds						
						Qvalue
3) Chloromethane	2.383	50	360	0.244	ug/l	# 42
11) Tert butyl alcohol	5.512	59	3636	10.403	ug/l	# 72
16) Acetone	4.459	43	2125	2.736	ug/l	91
18) Methyl Acetate	5.047	43	1744	Below Cal	#	63
20) Methylene Chloride	5.289	84	1596	Below Cal	#	86
25) 2-Butanone	7.500	43	341	0.315	ug/l	# 43
31) Cyclohexane	8.230	56	3022	1.142	ug/l	# 11
36) 1,1-Dichloropropene	8.230	75	11136	5.113	ug/l	# 50
37) Ethyl Acetate	7.571	43	2295	1.170	ug/l	# 77
38) Carbon Tetrachloride	8.230	117	14650	6.124	ug/l	# 16
40) Benzene	8.606	78	4659	0.699	ug/l	# 88
43) Isopropyl Acetate	8.700	43	9078	2.884	ug/l	# 91
48) Methyl methacrylate	9.741	41	7820	5.373	ug/l	# 34
51) 4-Methyl-2-Pentanone	10.447	43	840	0.419	ug/l	# 34
52) Toluene	10.629	92	11188	2.604	ug/l	98
54) cis-1,3-Dichloropropene	10.365	75	3537	1.394	ug/l	# 60
59) 2-Hexanone	11.171	43	7452	4.950	ug/l	# 21
67) Ethyl Benzene	11.965	91	1980	0.256	ug/l	# 83
68) m/p-Xylenes	12.065	106	4455	1.420	ug/l	95
69) o-Xylene	12.406	106	1161	0.373	ug/l	78
76) 1,2,3-Trichloropropane	12.847	75	39800	22.836	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.182	105	1191	0.213	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.847	75	39800	67.567	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.482	105	2606	0.464	ug/l	96
85) sec-Butylbenzene	13.482	105	2606	0.376	ug/l	# 56
95) Naphthalene	15.653	128	1119	0.226	ug/l	# 69

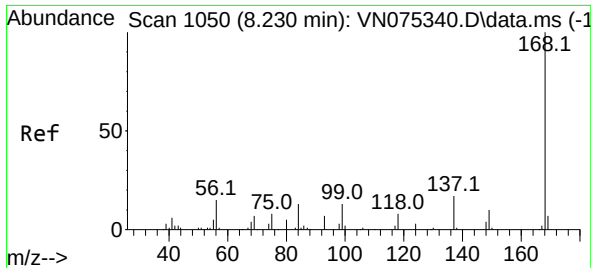
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
Data File : VN075540.D
Acq On : 02 Dec 2022 18:29
Operator : JC\MD
Sample : N5844-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-17

Quant Time: Dec 03 00:36:59 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

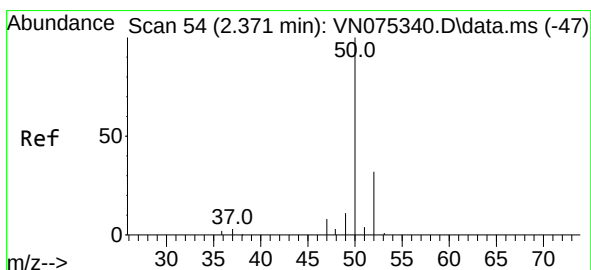
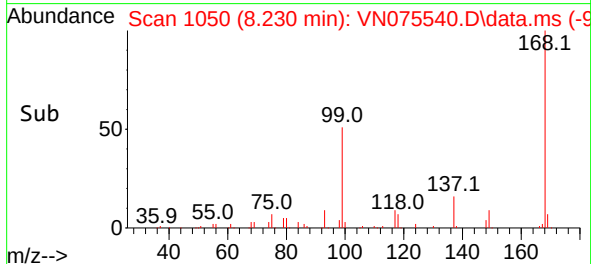
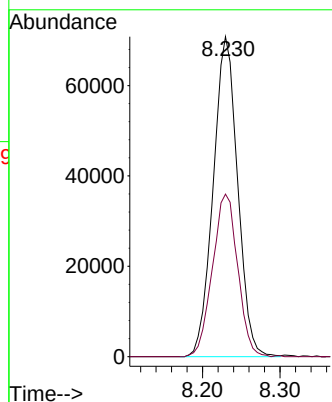
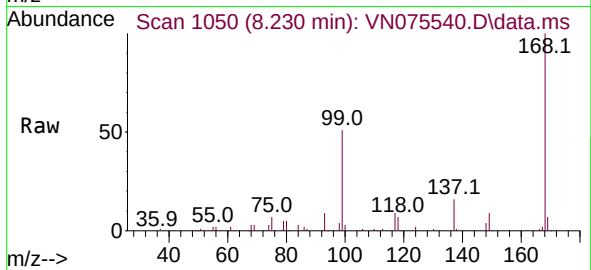




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

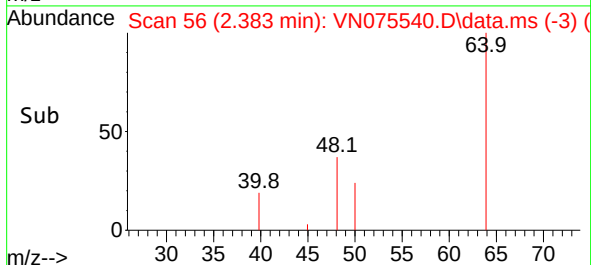
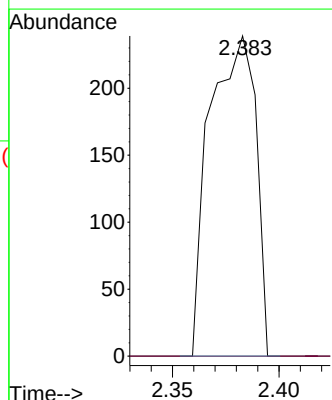
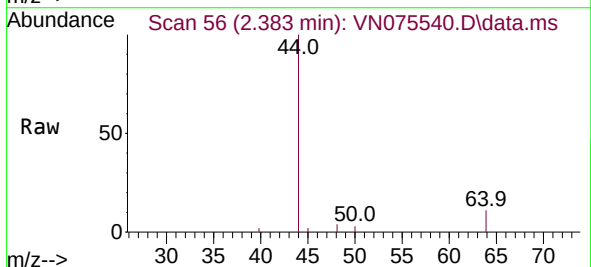
Instrument :
MSVOA_N
ClientSampleId :
MH-17

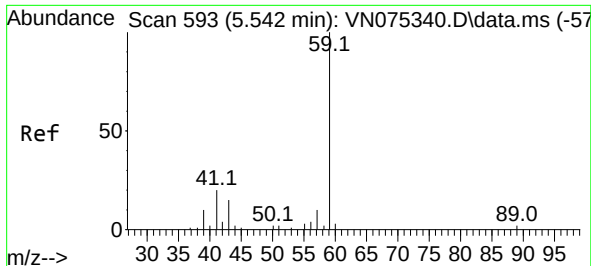
Tgt Ion:168 Resp: 155100
Ion Ratio Lower Upper
168 100
99 50.8 51.6 77.4#



#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.012 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion: 50 Resp: 360
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

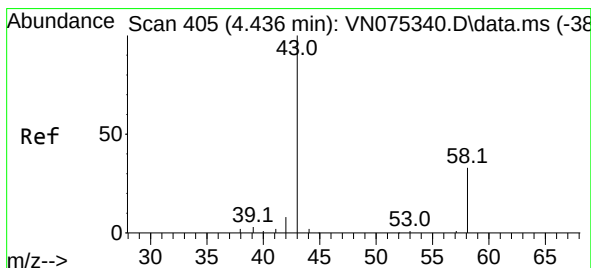
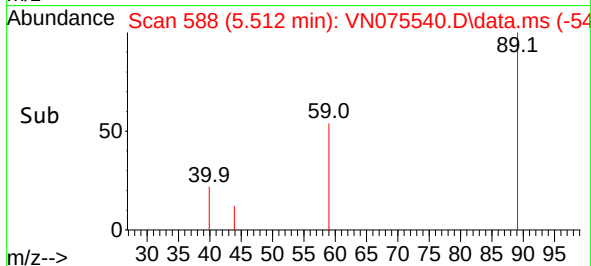
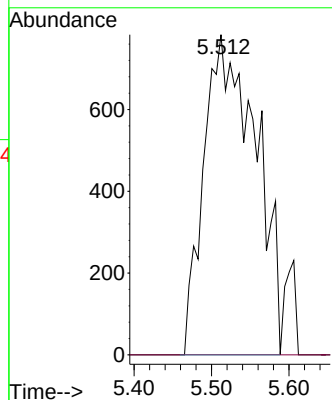
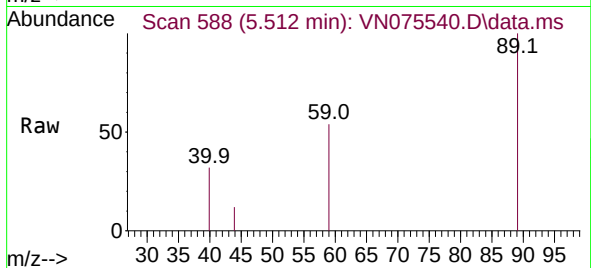




#11
Tert butyl alcohol
Concen: 10.403 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

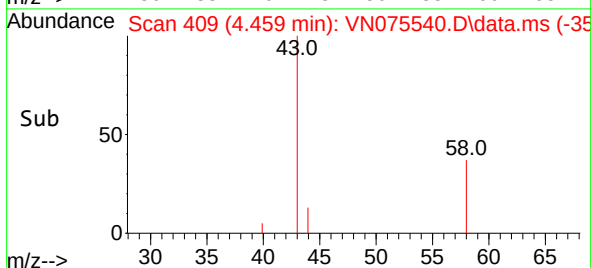
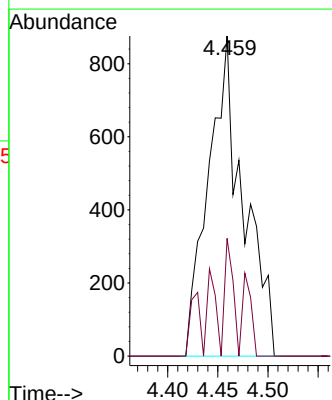
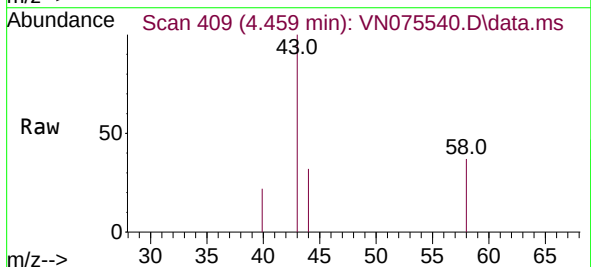
Instrument :
MSVOA_N
ClientSampleId :
MH-17

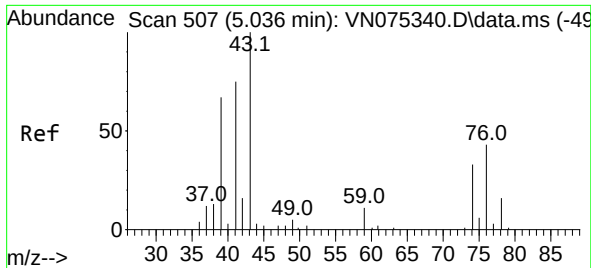
Tgt Ion: 59 Resp: 3636
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 2.736 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.023 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion: 43 Resp: 2125
Ion Ratio Lower Upper
43 100
58 36.8 25.5 38.3

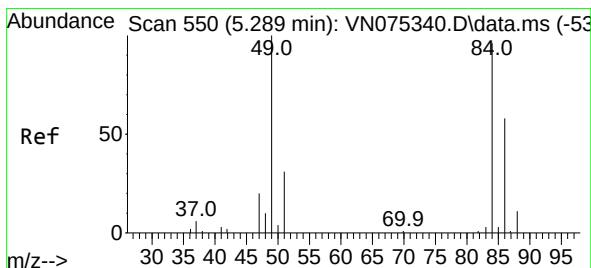
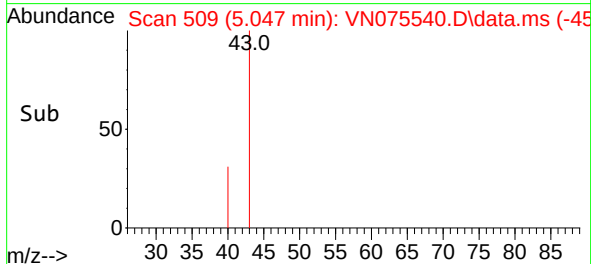
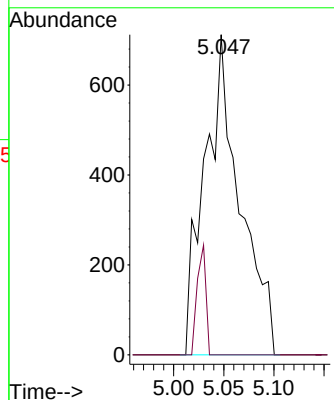
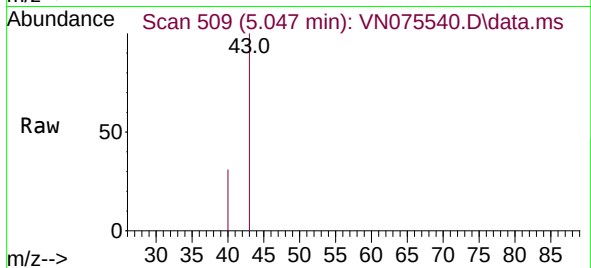




#18
Methyl Acetate
Concen: Below Cal
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

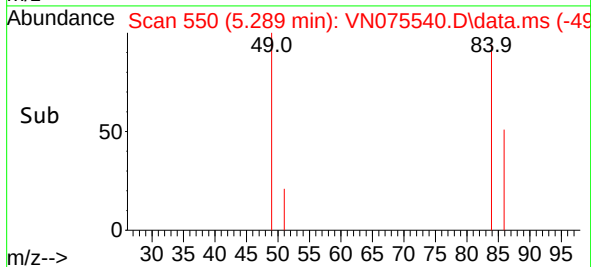
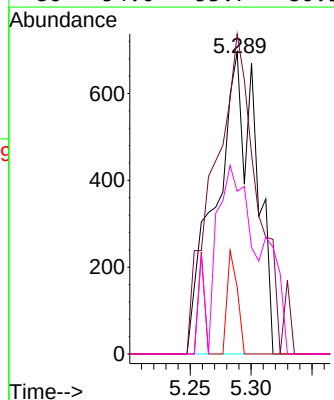
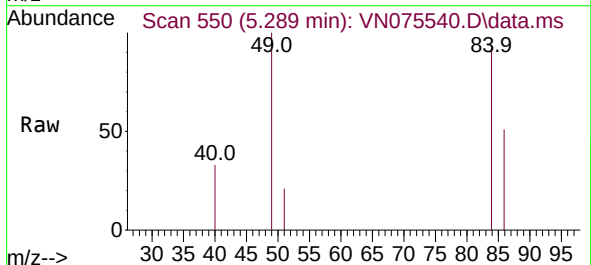
Instrument :
MSVOA_N
ClientSampleId :
MH-17

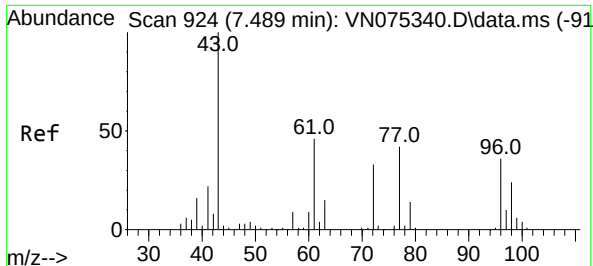
Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
74 8.4 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion: 84 Resp: 1596
Ion Ratio Lower Upper
84 100
49 106.2 94.9 142.3
51 22.2 26.8 40.2#
86 54.0 53.7 80.5





#25

2-Butanone

Concen: 0.315 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

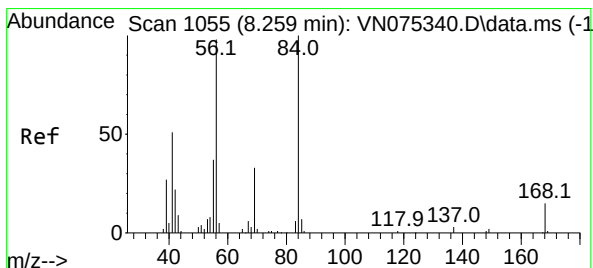
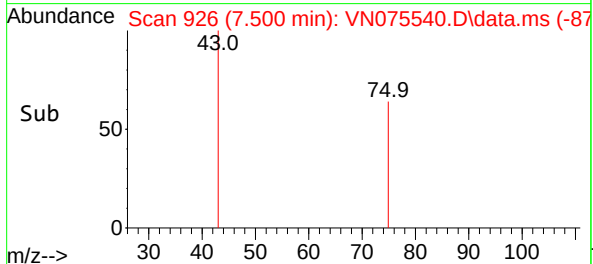
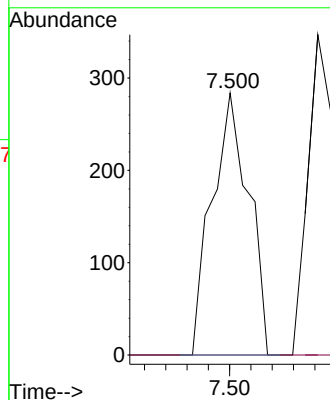
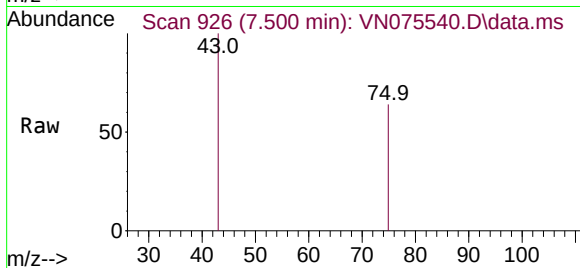
MH-17

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

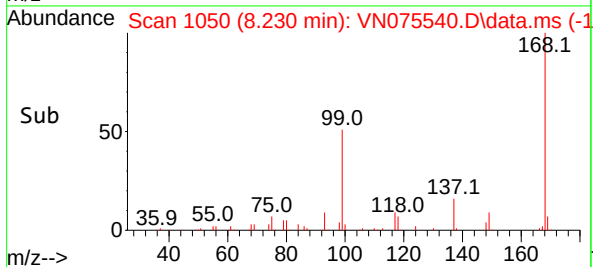
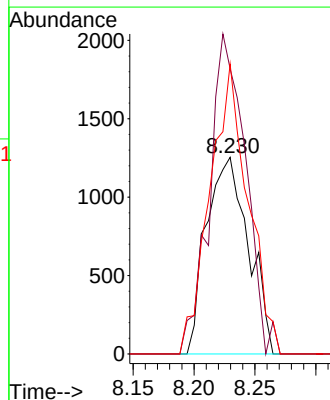
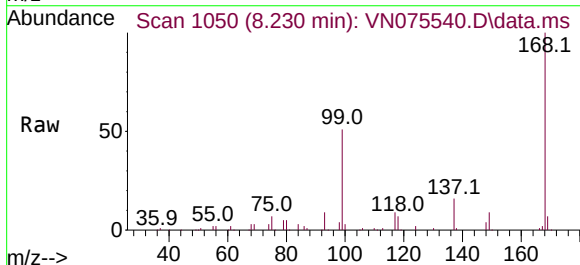
Tgt Ion: 56 Resp: 3022

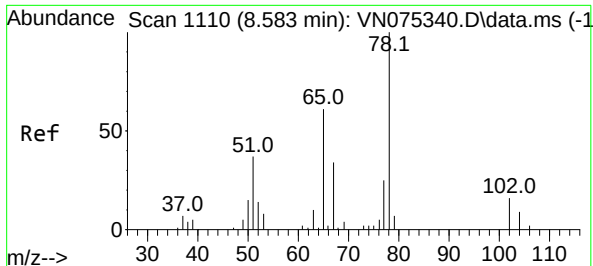
Ion Ratio Lower Upper

56 100

69 145.1 25.2 37.8#

84 147.5 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 51.806 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

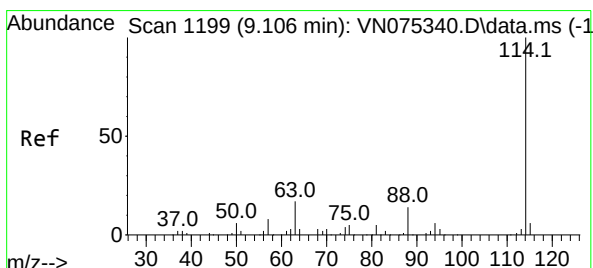
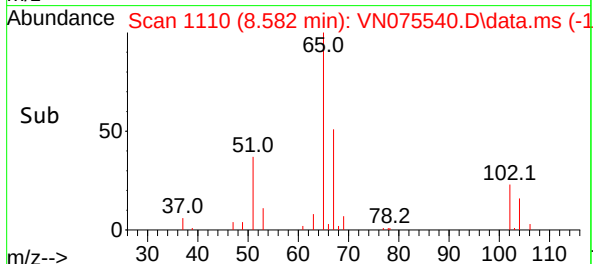
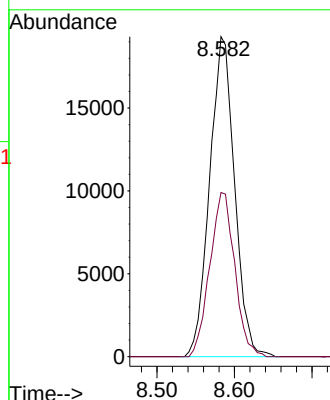
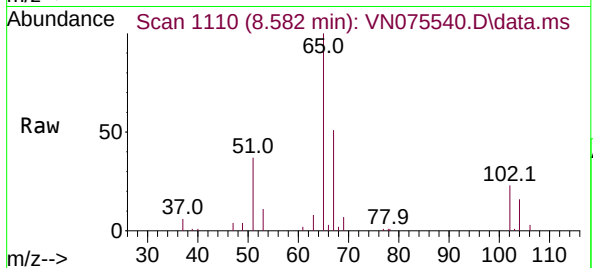
MH-17

Tgt Ion: 65 Resp: 43131

Ion Ratio Lower Upper

65 100

67 51.4 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: VN075540.D

Acq: 02 Dec 2022 18:29

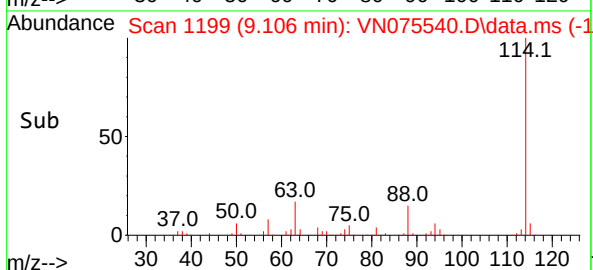
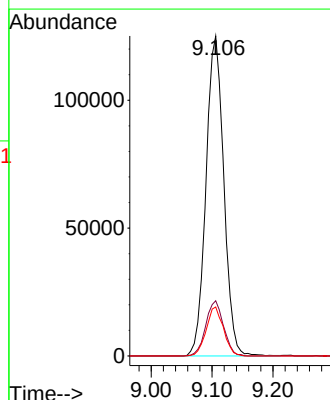
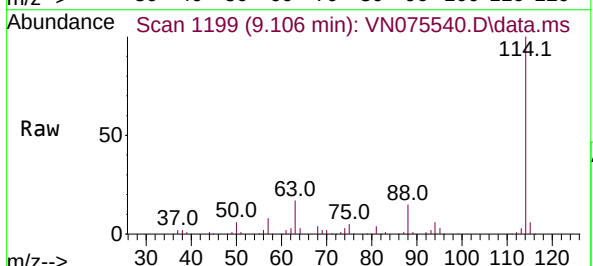
Tgt Ion: 114 Resp: 254216

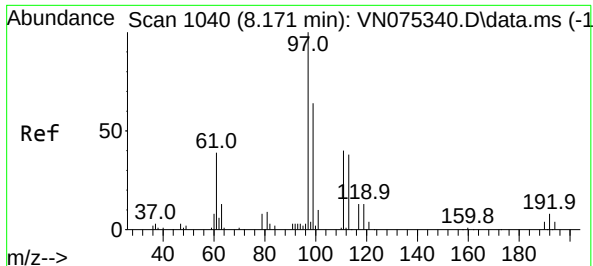
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.678 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

MH-17

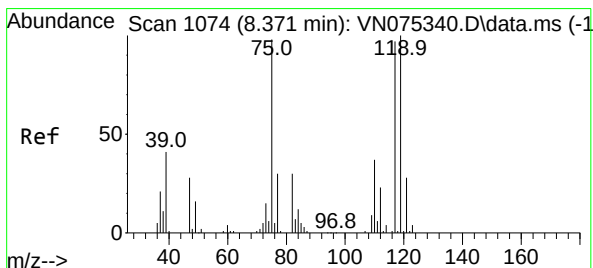
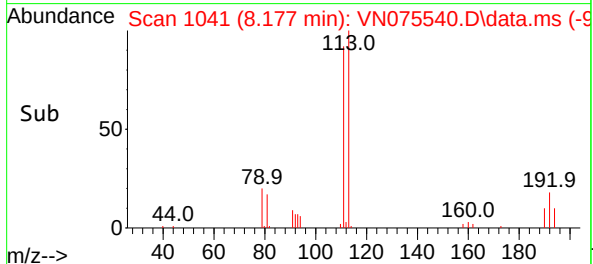
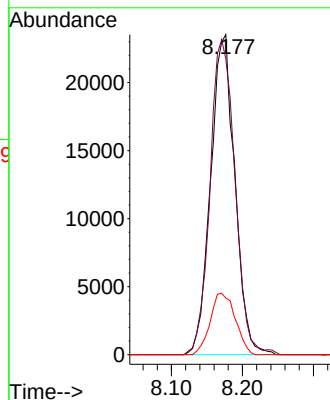
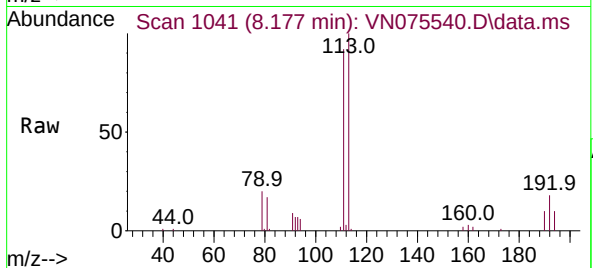
Tgt Ion:113 Resp: 55603

Ion Ratio Lower Upper

113 100

111 101.6 80.5 120.7

192 19.9 13.2 19.8#



#36

1,1-Dichloropropene

Concen: 5.113 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

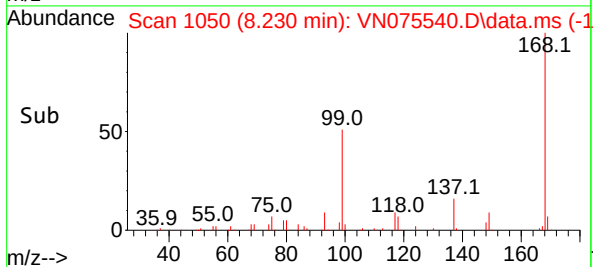
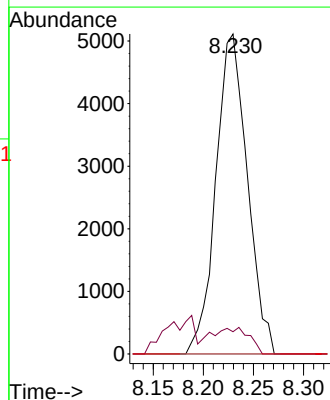
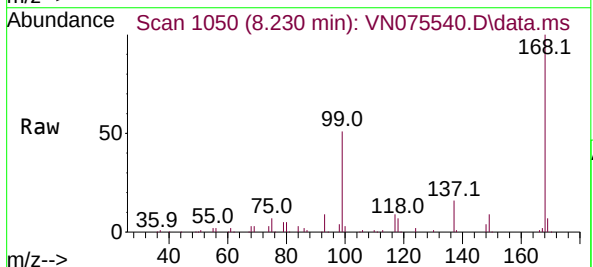
Tgt Ion: 75 Resp: 11136

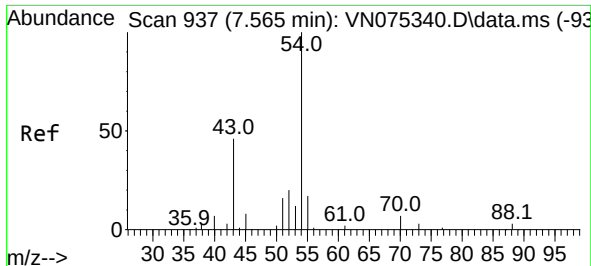
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.3#

77 0.0 24.6 37.0#

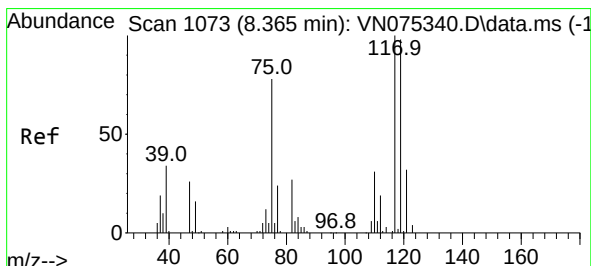
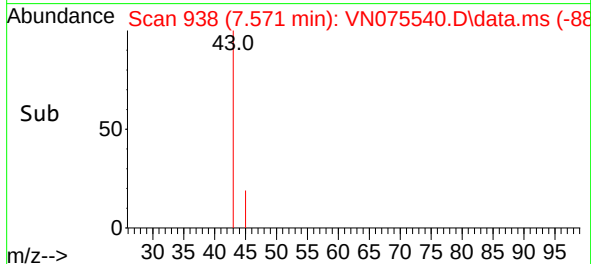
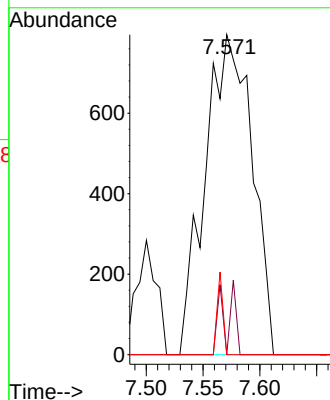
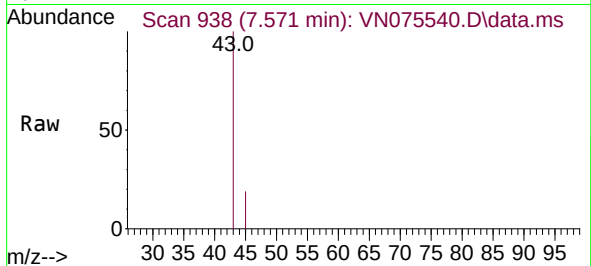




#37
Ethyl Acetate
Concen: 1.170 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

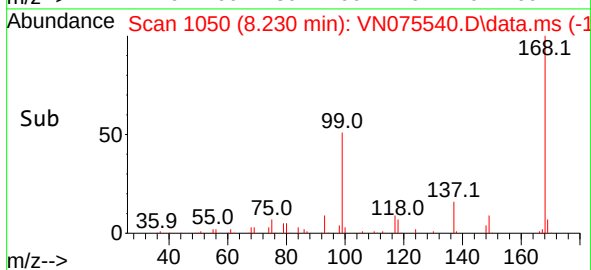
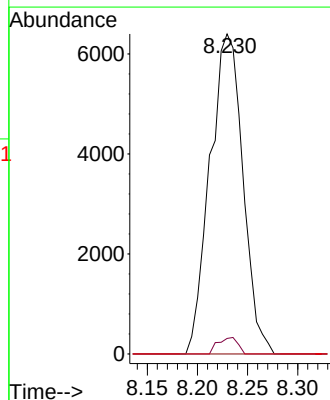
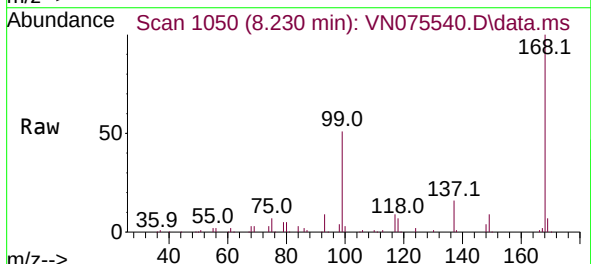
Instrument :
MSVOA_N
ClientSampleId :
MH-17

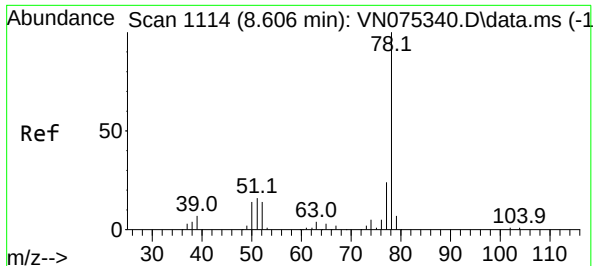
Tgt Ion: 43 Resp: 2295
Ion Ratio Lower Upper
43 100
61 5.5 12.2 18.4#
70 3.1 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.124 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion: 117 Resp: 14650
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 23.9 35.9#

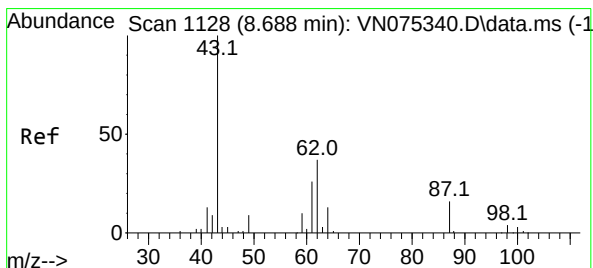
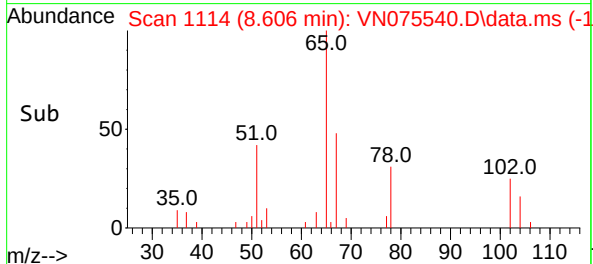
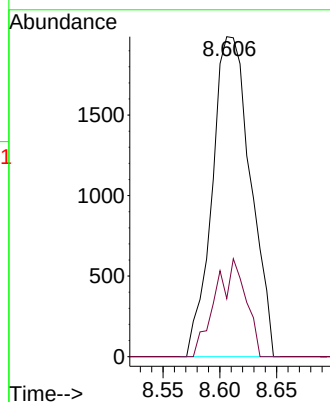
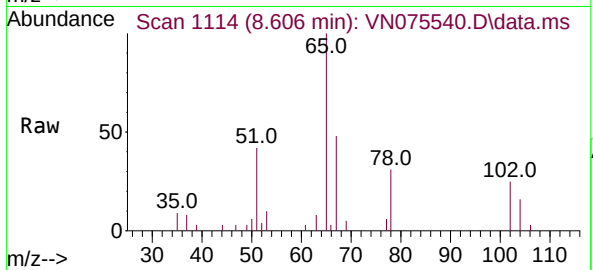




#40
Benzene
Concen: 0.699 ug/l
RT: 8.606 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

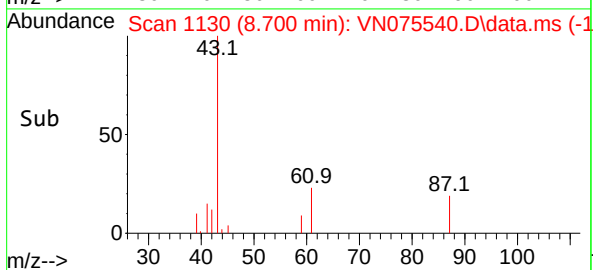
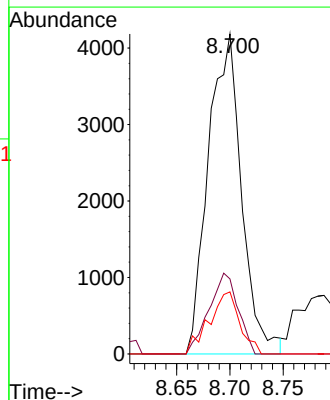
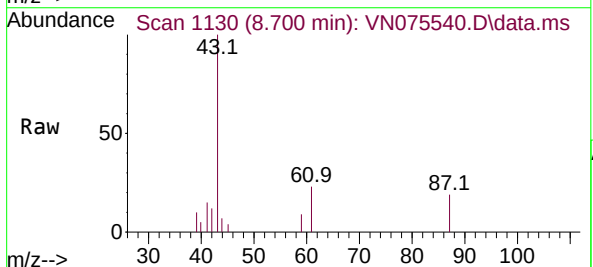
Instrument :
MSVOA_N
ClientSampleId :
MH-17

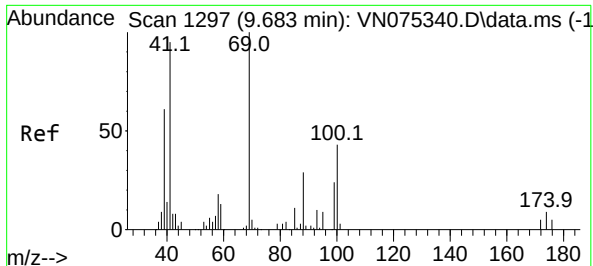
Tgt Ion: 78 Resp: 4659
Ion Ratio Lower Upper
78 100
77 18.1 19.4 29.0#



#43
Isopropyl Acetate
Concen: 2.884 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.012 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion: 43 Resp: 9078
Ion Ratio Lower Upper
43 100
61 22.1 22.4 33.6#
87 17.8 12.5 18.7





#48

Methyl methacrylate

Concen: 5.373 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.058 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

MH-17

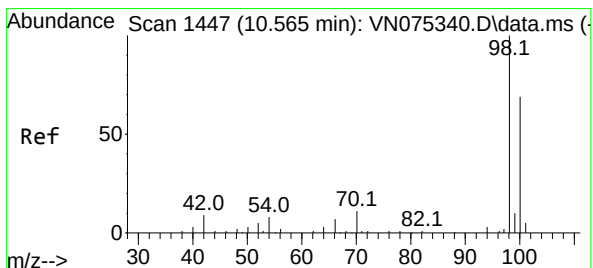
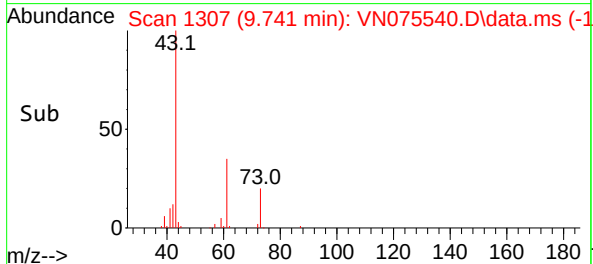
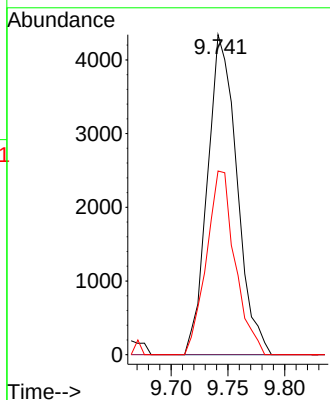
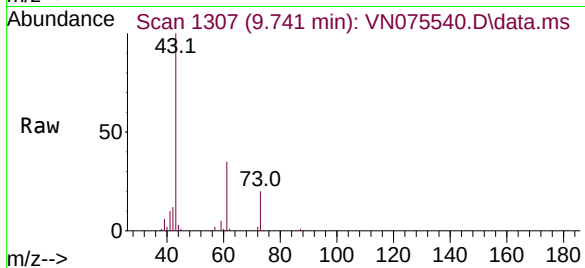
Tgt Ion: 41 Resp: 7820

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.9 56.2 84.2#



#50

Toluene-d8

Concen: 50.075 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075540.D

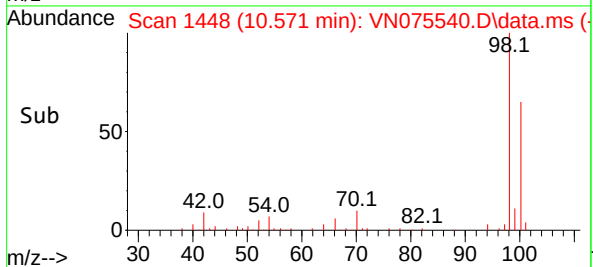
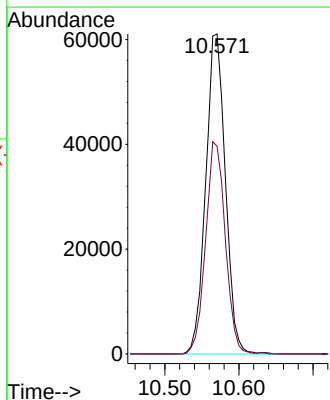
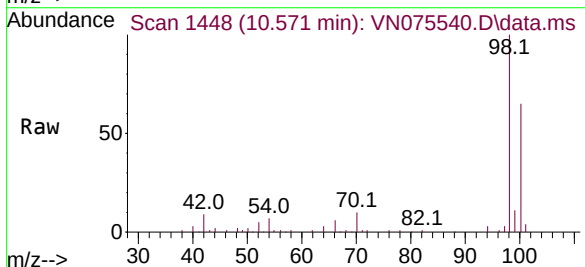
Acq: 02 Dec 2022 18:29

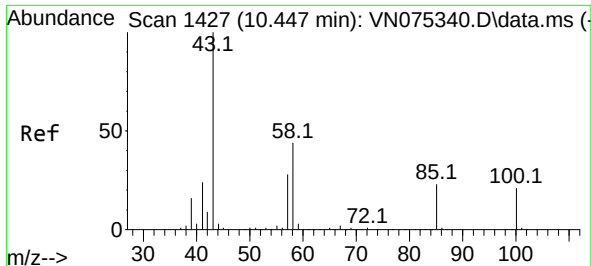
Tgt Ion: 98 Resp: 112630

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 0.419 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

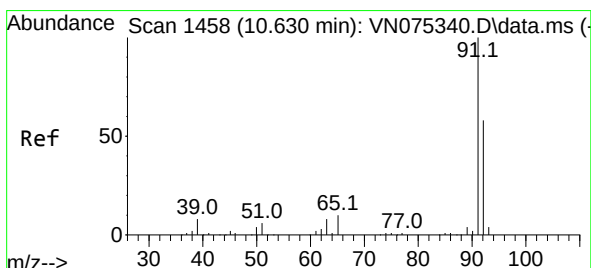
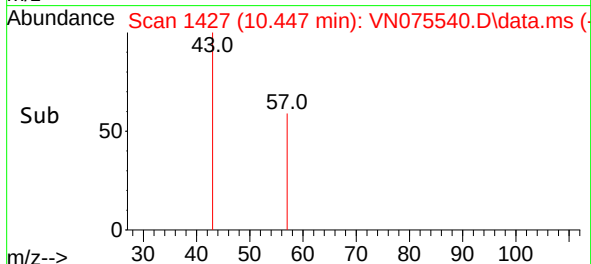
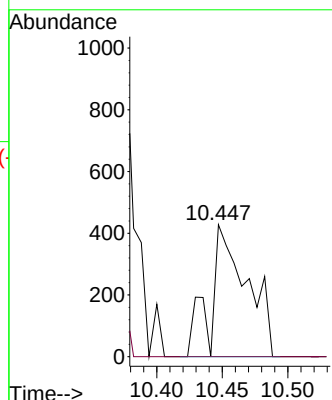
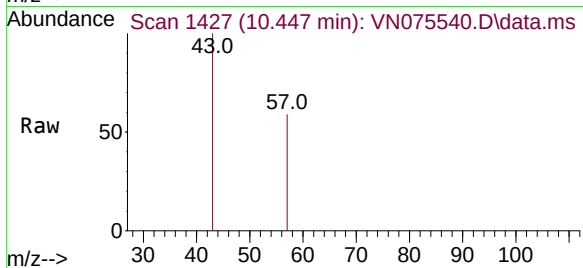
MH-17

Tgt Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

58 0.0 33.6 50.4#



#52

Toluene

Concen: 2.604 ug/l

RT: 10.629 min Scan# 1458

Delta R.T. -0.001 min

Lab File: VN075540.D

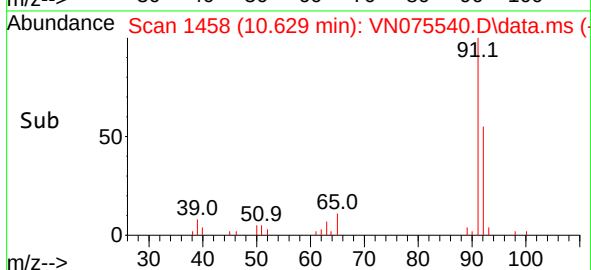
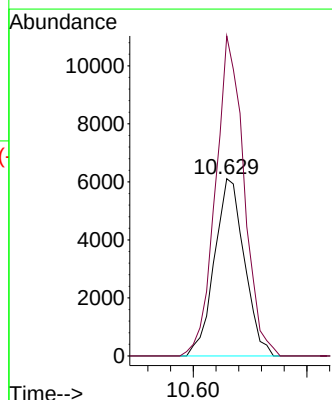
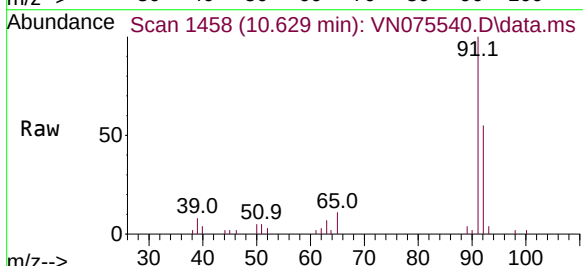
Acq: 02 Dec 2022 18:29

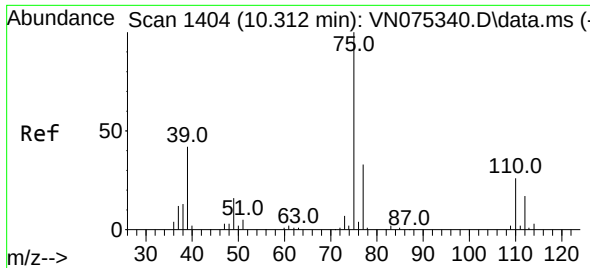
Tgt Ion: 92 Resp: 11188

Ion Ratio Lower Upper

92 100

91 171.8 135.4 203.2

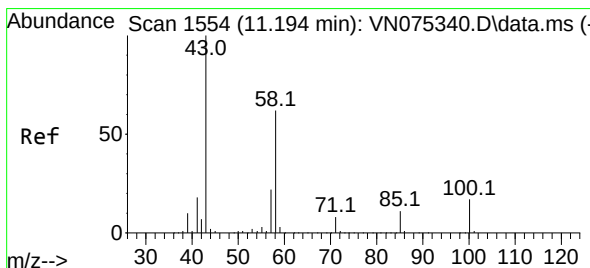
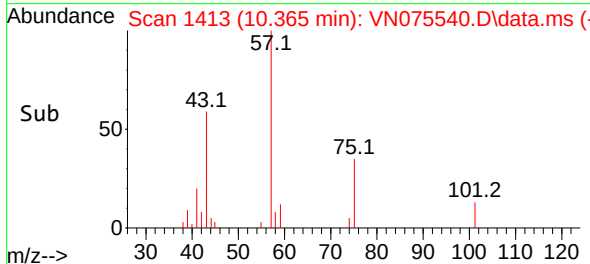
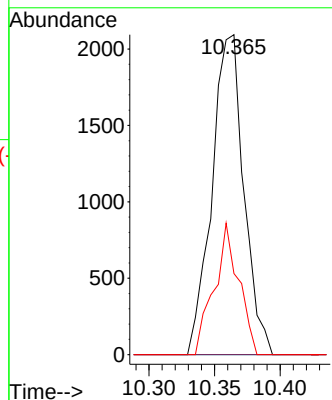
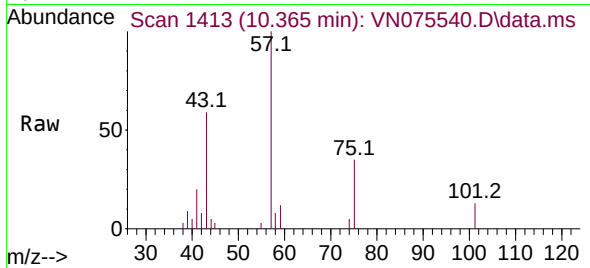




#54
 cis-1,3-Dichloropropene
 Concen: 1.394 ug/l
 RT: 10.365 min Scan# 1404
 Delta R.T. 0.053 min
 Lab File: VN075540.D
 Acq: 02 Dec 2022 18:29

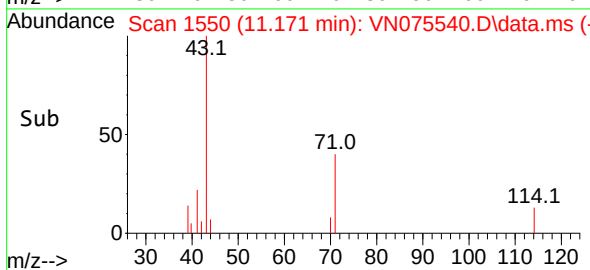
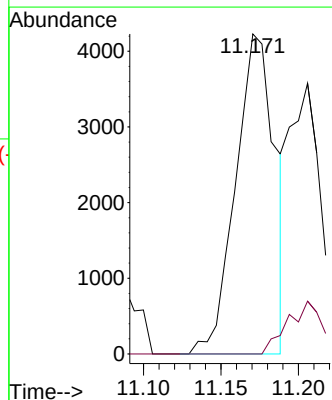
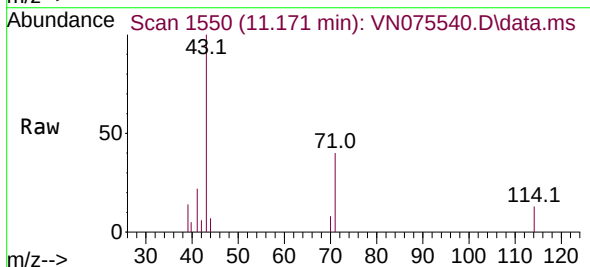
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-17

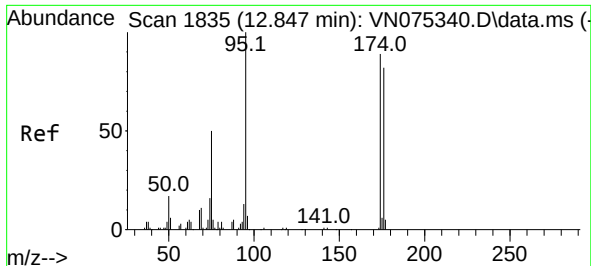
Tgt Ion: 75 Resp: 3537
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 25.4 35.8 53.6#



#59
 2-Hexanone
 Concen: 4.950 ug/l
 RT: 11.171 min Scan# 1550
 Delta R.T. -0.023 min
 Lab File: VN075540.D
 Acq: 02 Dec 2022 18:29

Tgt Ion: 43 Resp: 7452
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.6 88.8#

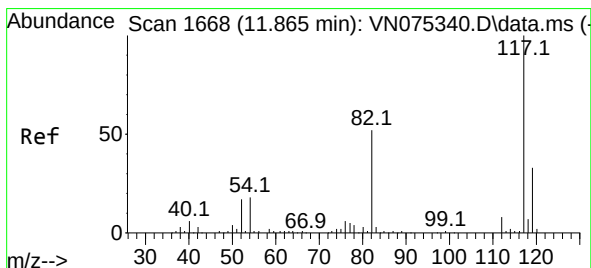
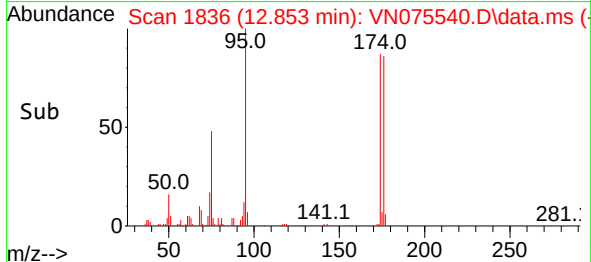
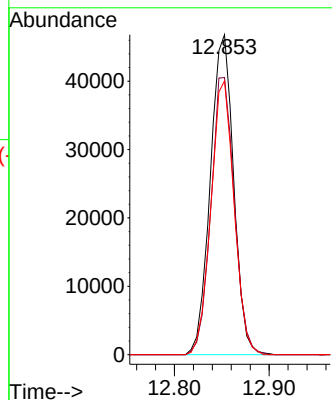
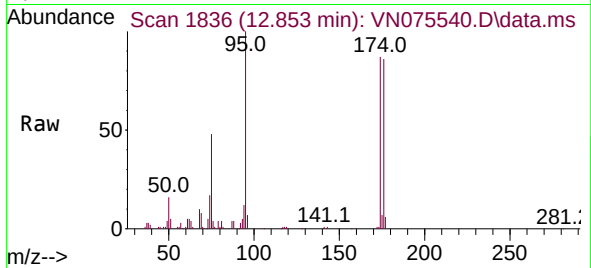




#62
4-Bromofluorobenzene
Concen: 48.100 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

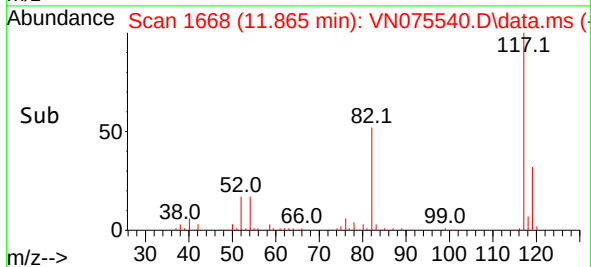
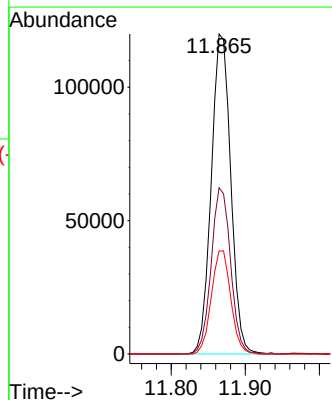
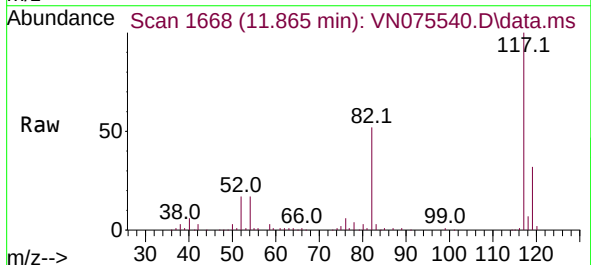
Instrument :
MSVOA_N
ClientSampleId :
MH-17

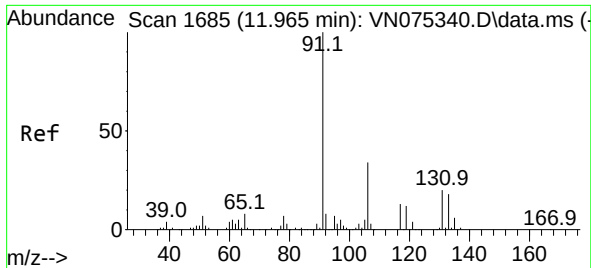
Tgt Ion: 95 Resp: 79854
Ion Ratio Lower Upper
95 100
174 86.8 0.0 147.4
176 85.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion: 117 Resp: 219214
Ion Ratio Lower Upper
117 100
82 51.9 43.1 64.7
119 32.2 25.5 38.3

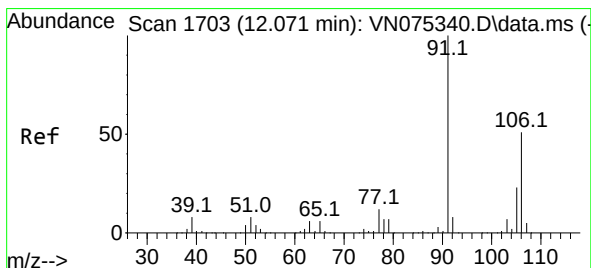
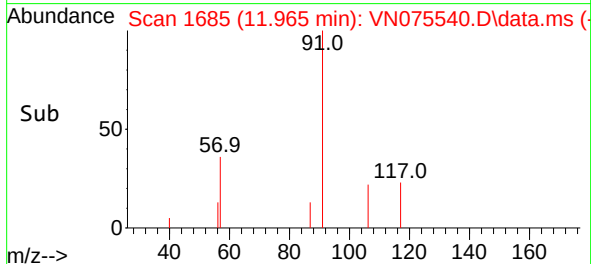
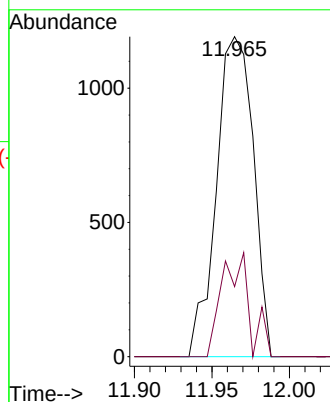
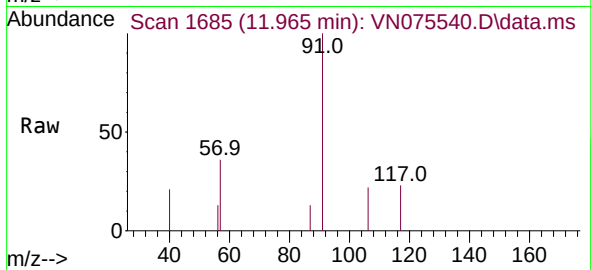




#67
Ethyl Benzene
Concen: 0.256 ug/l
RT: 11.965 min Scan# 1190
Delta R.T. -0.000 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

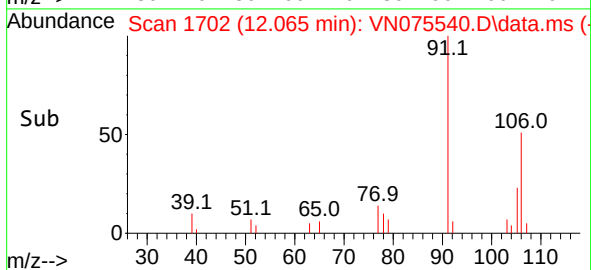
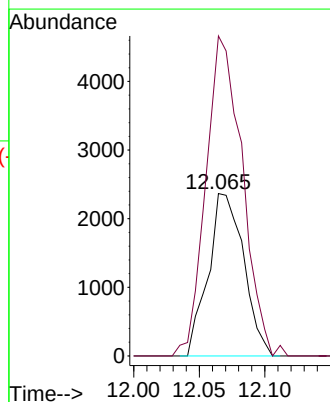
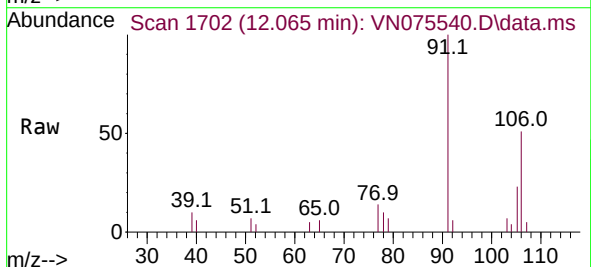
Instrument :
MSVOA_N
ClientSampleId :
MH-17

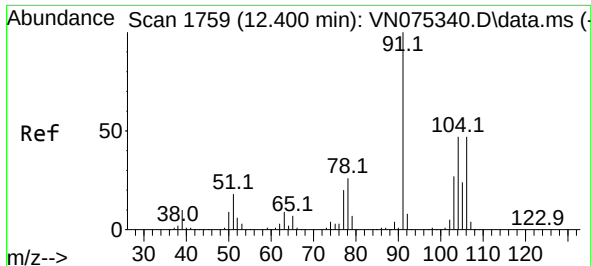
Tgt Ion: 91 Resp: 1980
Ion Ratio Lower Upper
91 100
106 21.9 24.9 37.3#



#68
m/p-Xylenes
Concen: 1.420 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion:106 Resp: 4455
Ion Ratio Lower Upper
106 100
91 202.4 156.0 234.0





#69

o-Xylene

Concen: 0.373 ug/l

RT: 12.406 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

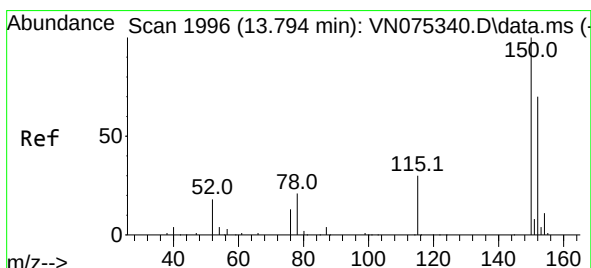
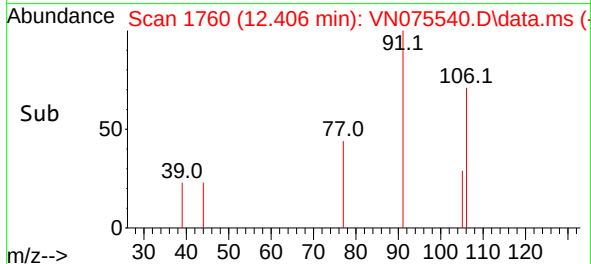
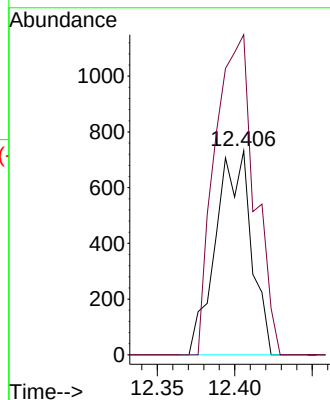
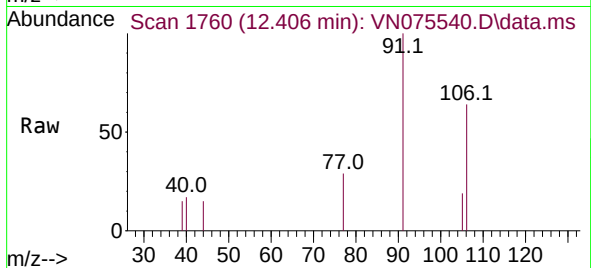
MH-17

Tgt Ion:106 Resp: 1161

Ion Ratio Lower Upper

106 100

91 175.9 105.2 315.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN075540.D

Acq: 02 Dec 2022 18:29

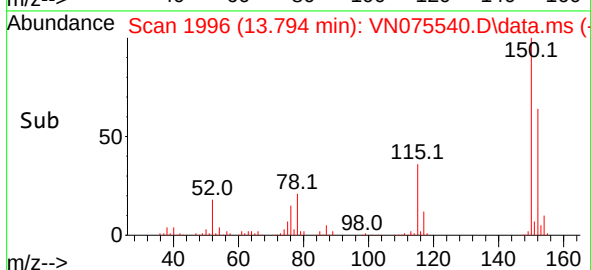
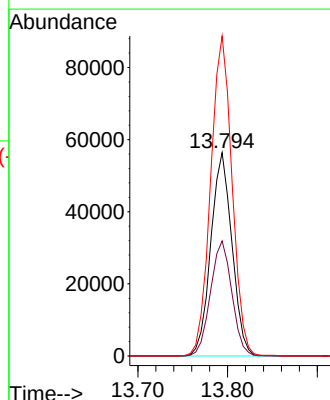
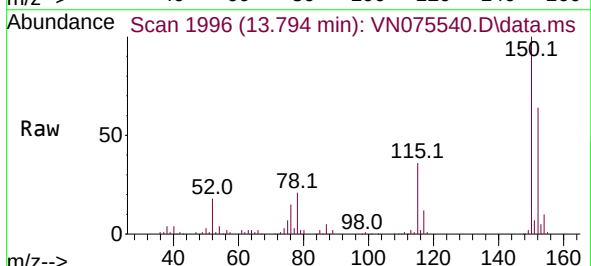
Tgt Ion:152 Resp: 92179

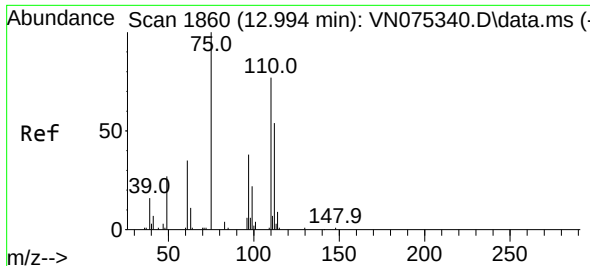
Ion Ratio Lower Upper

152 100

115 57.1 30.2 90.6

150 159.2 0.0 348.4

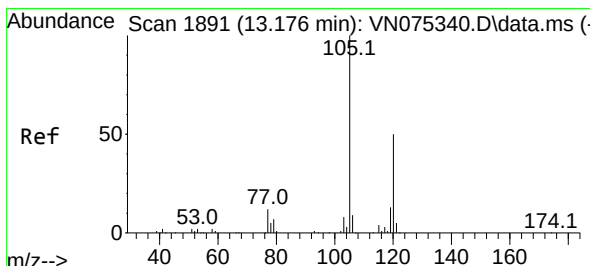
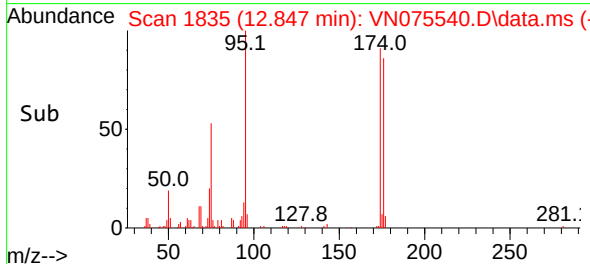
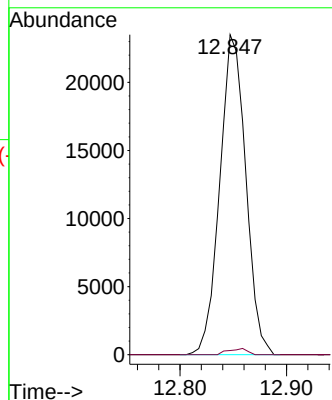
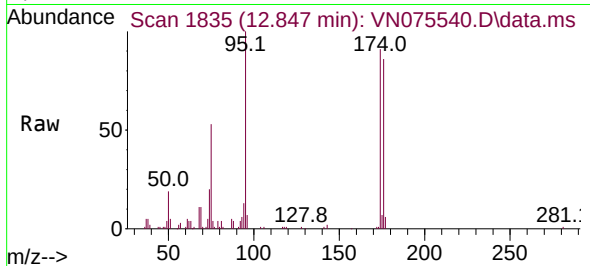




#76
1,2,3-Trichloropropane
Concen: 22.836 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

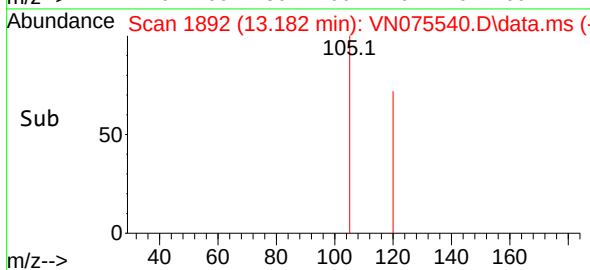
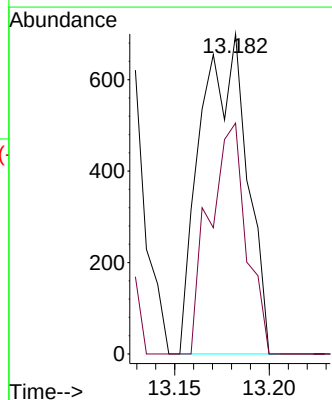
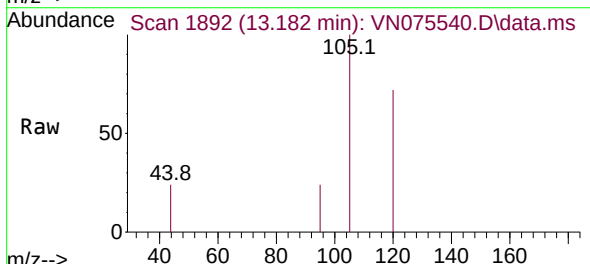
Instrument :
MSVOA_N
ClientSampleId :
MH-17

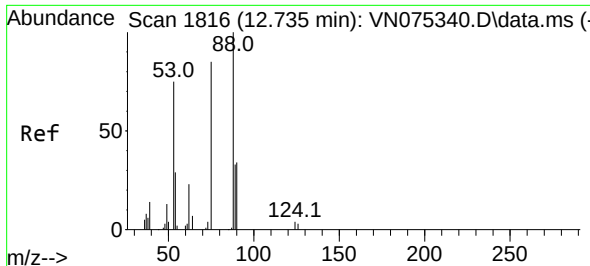
Tgt Ion: 75 Resp: 39800
Ion Ratio Lower Upper
75 100
77 1.4 75.6 226.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.213 ug/l
RT: 13.182 min Scan# 1892
Delta R.T. 0.006 min
Lab File: VN075540.D
Acq: 02 Dec 2022 18:29

Tgt Ion:105 Resp: 1191
Ion Ratio Lower Upper
105 100
120 57.5 24.7 74.1

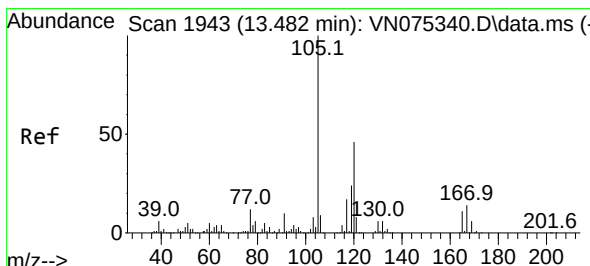
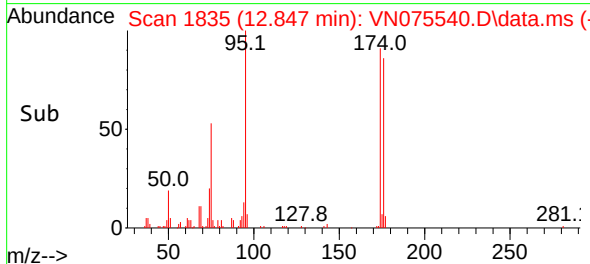
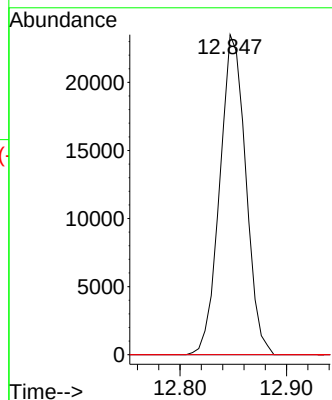
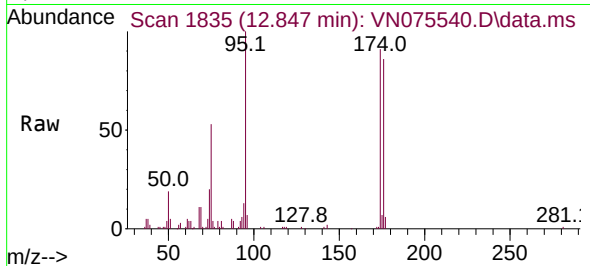




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.567 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. 0.112 min
 Lab File: VN075540.D
 Acq: 02 Dec 2022 18:29

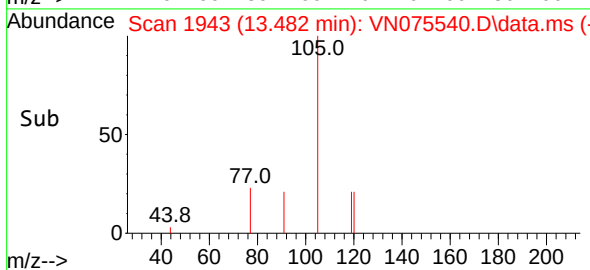
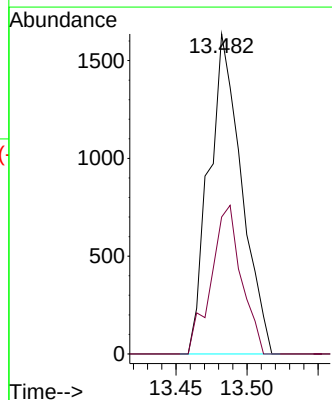
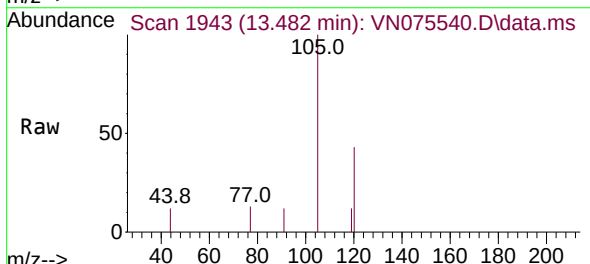
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-17

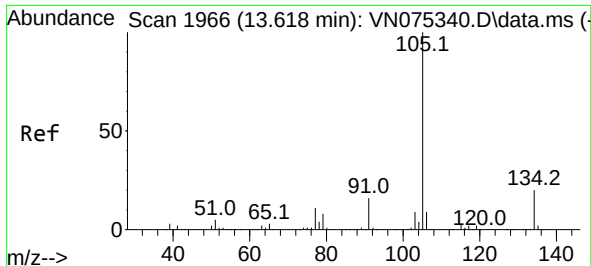
Tgt Ion: 75 Resp: 39800
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.464 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. 0.000 min
 Lab File: VN075540.D
 Acq: 02 Dec 2022 18:29

Tgt Ion: 105 Resp: 2606
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.7 68.1

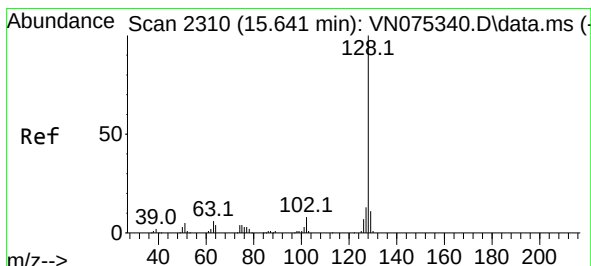
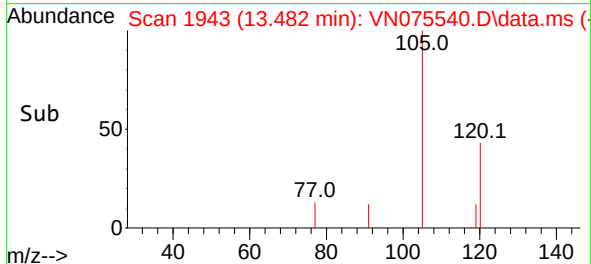
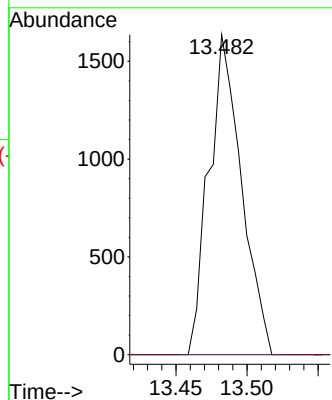
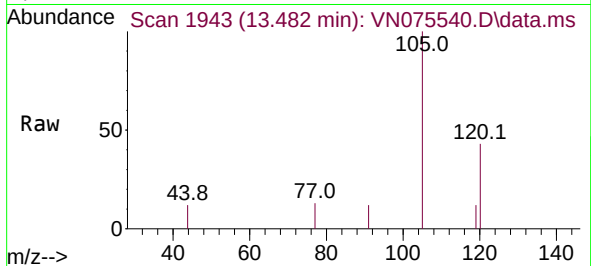




#85
 sec-Butylbenzene
 Concen: 0.376 ug/l
 RT: 13.482 min Scan# 1966
 Delta R.T. -0.136 min
 Lab File: VN075540.D
 Acq: 02 Dec 2022 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-17

Tgt Ion:105 Resp: 2606
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6#



#95
 Naphthalene
 Concen: 0.226 ug/l
 RT: 15.653 min Scan# 2312
 Delta R.T. 0.012 min
 Lab File: VN075540.D
 Acq: 02 Dec 2022 18:29

Tgt Ion:128 Resp: 1119
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.6 12.8#

