

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075379.D
 Acq On : 22 Nov 2022 19:43
 Operator : JC\MD
 Sample : N5749-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-82

Quant Time: Nov 23 07:15:12 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

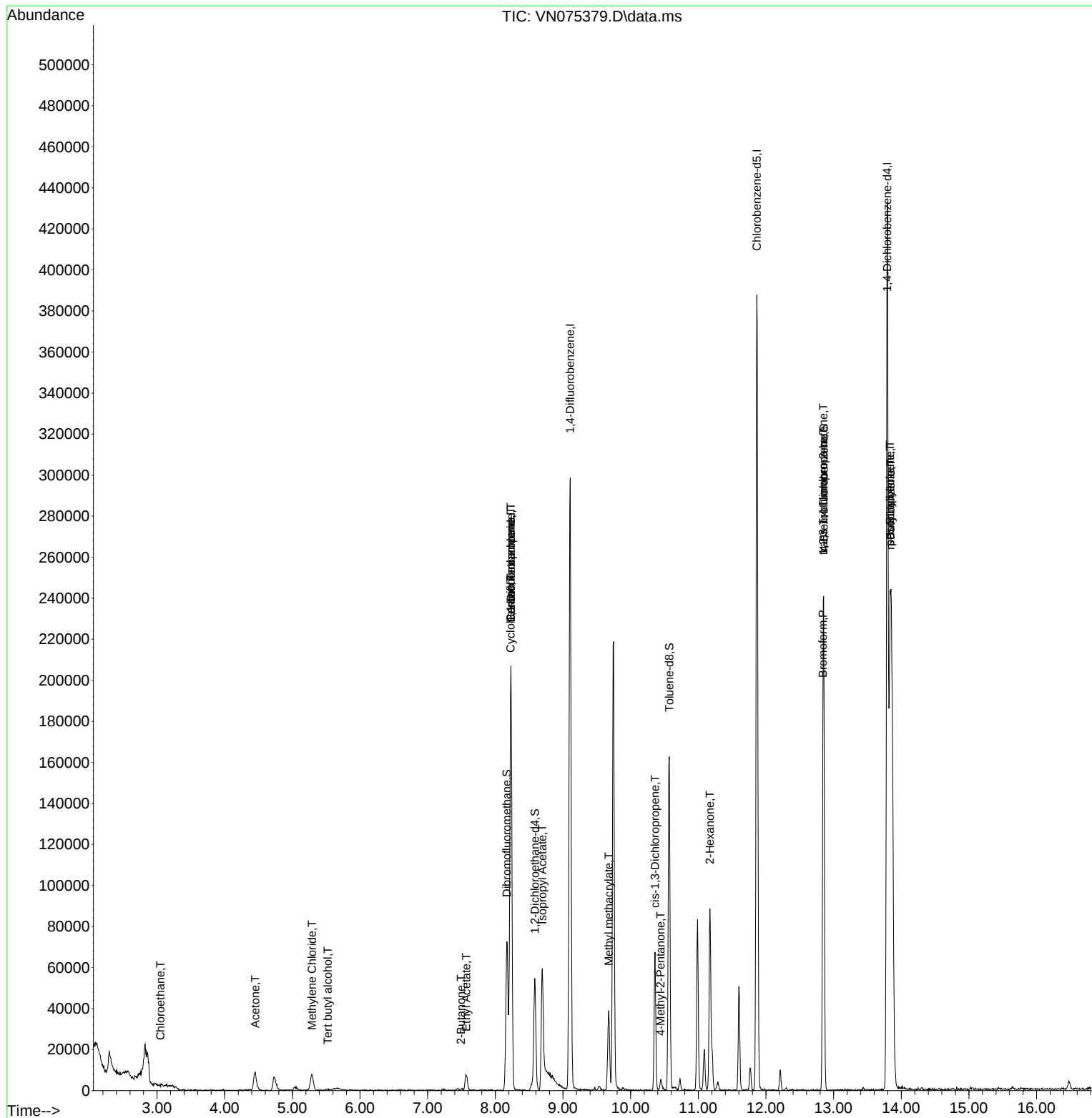
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	160574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	42761	49.610	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.220%
35) Dibromofluoromethane	8.171	113	52566	48.116	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	10.571	98	117917	47.923	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.840%
62) 4-Bromofluorobenzene	12.853	95	86517	47.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.280%
Target Compounds						
					Qvalue	
6) Chloroethane	3.048	64	356	0.244	ug/l #	45
11) Tert butyl alcohol	5.524	59	122	0.337	ug/l #	72
16) Acetone	4.453	43	16796	20.891	ug/l	89
18) Methyl Acetate	5.030	43	1329	Below Cal	#	47
20) Methylene Chloride	5.289	84	6869	3.011	ug/l	92
25) 2-Butanone	7.494	43	954	0.850	ug/l #	43
31) Cyclohexane	8.224	56	2821	1.030	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	11419	4.793	ug/l #	49
37) Ethyl Acetate	7.571	43	11874	5.535	ug/l	96
38) Carbon Tetrachloride	8.230	117	16230	6.201	ug/l #	16
43) Isopropyl Acetate	8.694	43	72554	21.071	ug/l #	84
48) Methyl methacrylate	9.677	41	1433	0.900	ug/l #	38
51) 4-Methyl-2-Pentanone	10.441	43	5061	2.308	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	13254	4.774	ug/l #	59
59) 2-Hexanone	11.171	43	68640	41.680	ug/l #	21
71) Bromoform	12.841	173	426	0.295	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	43317	20.633	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	43317	61.050	ug/l #	10
85) sec-Butylbenzene	13.835	105	15520	1.861	ug/l	83
86) p-Isopropyltoluene	13.835	119	7891	1.125	ug/l #	1
89) n-Butylbenzene	13.841	91	36444	6.151	ug/l #	46

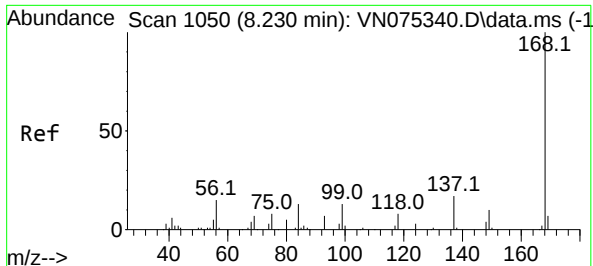
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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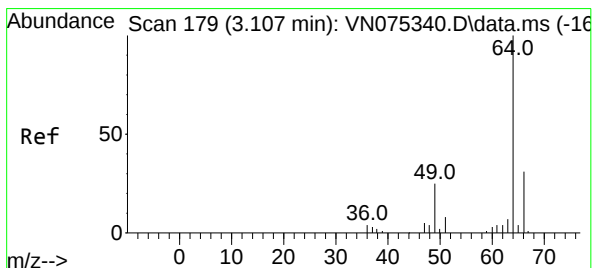
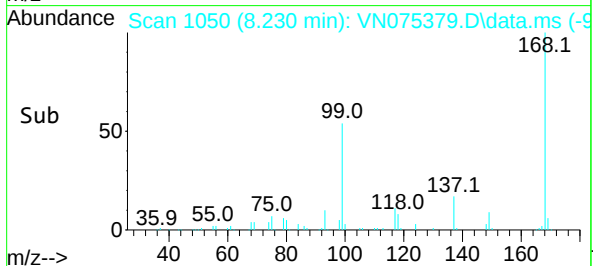
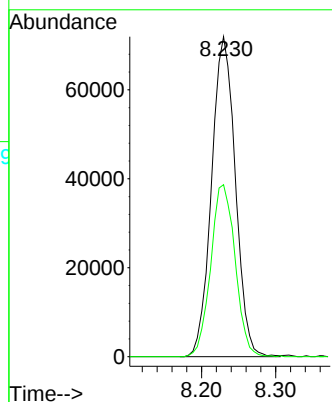
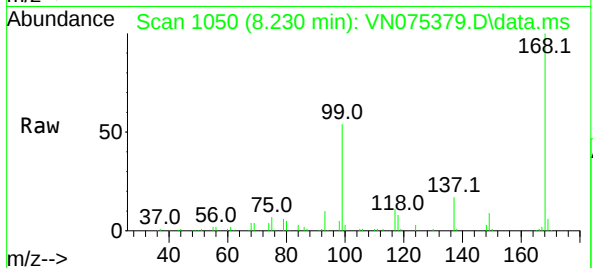




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

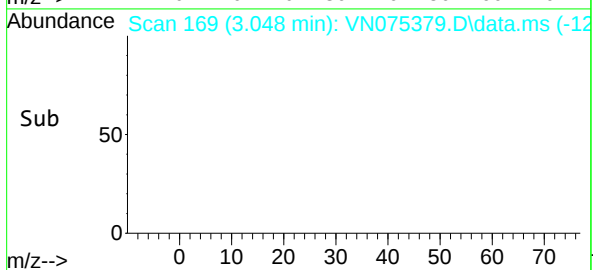
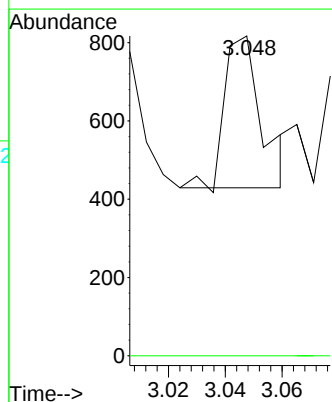
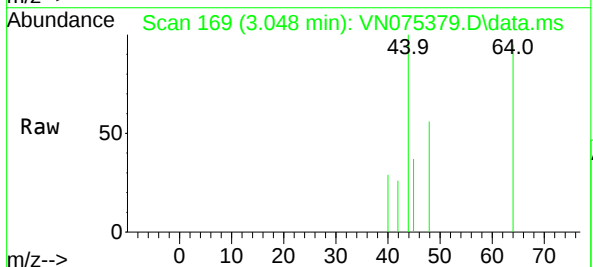
Instrument :
MSVOA_N
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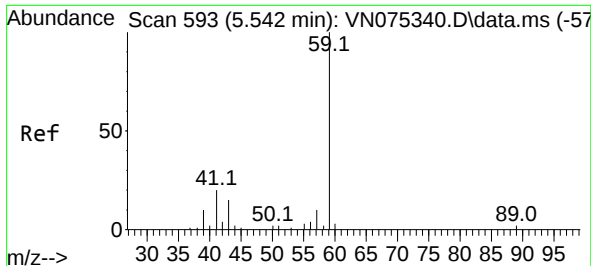
Tgt Ion:168 Resp: 160574
Ion Ratio Lower Upper
168 100
99 53.7 51.6 77.4



#6
Chloroethane
Concen: 0.244 ug/l
RT: 3.048 min Scan# 169
Delta R.T. -0.059 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 64 Resp: 356
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

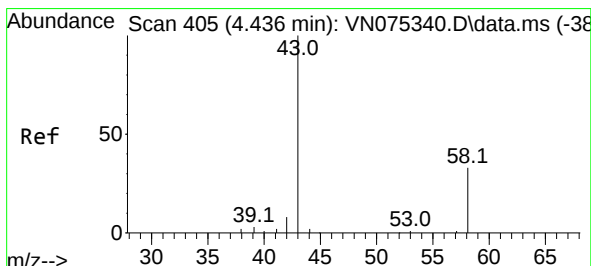
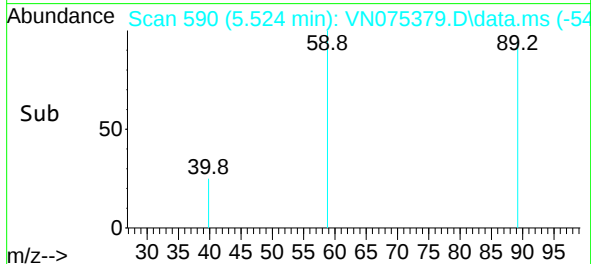
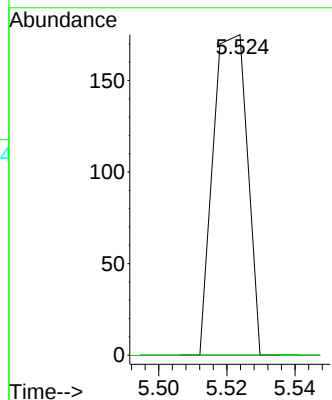
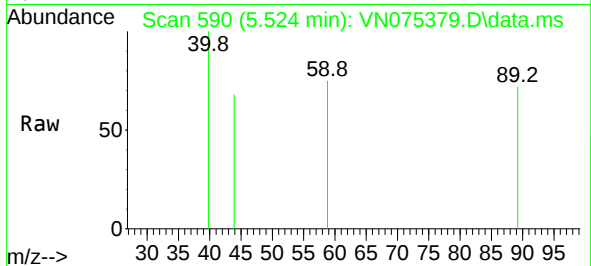




#11
Tert butyl alcohol
Concen: 0.337 ug/l
RT: 5.524 min Scan# 59
Delta R.T. -0.018 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

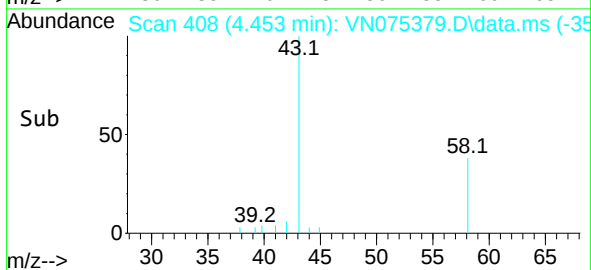
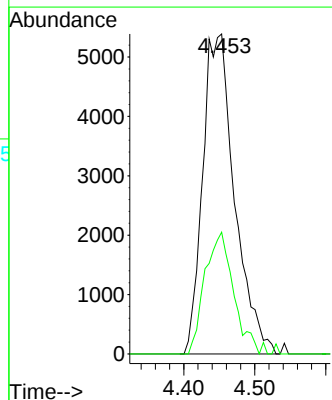
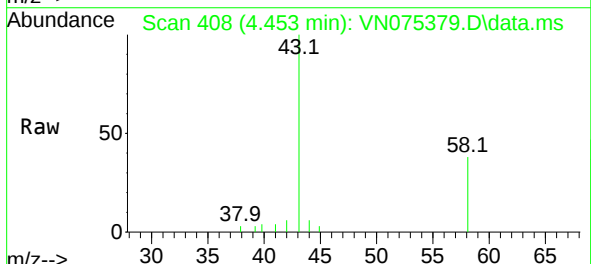
Instrument :
MSVOA_N
ClientSampleId :
MH-82

Tgt Ion: 59 Resp: 122
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 20.891 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 43 Resp: 16796
Ion Ratio Lower Upper
43 100
58 38.0 25.5 38.3

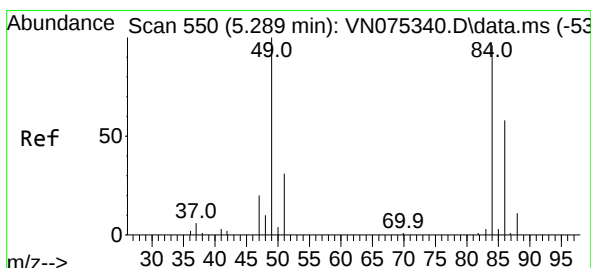
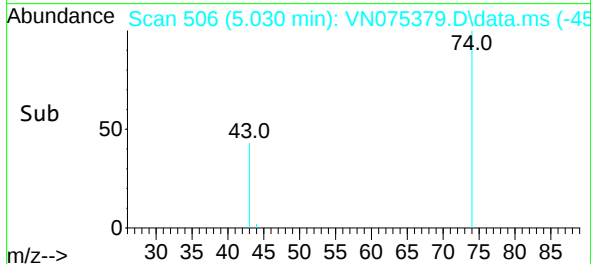
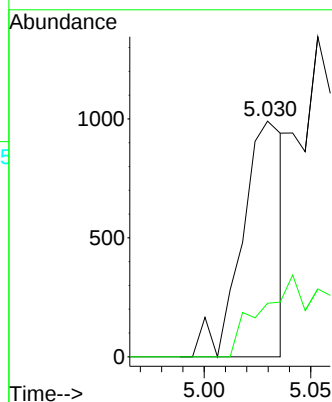
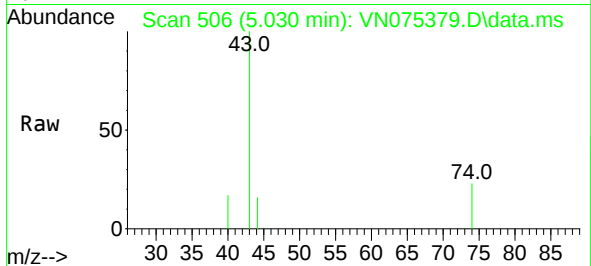




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

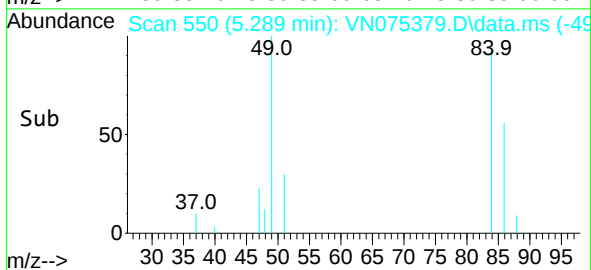
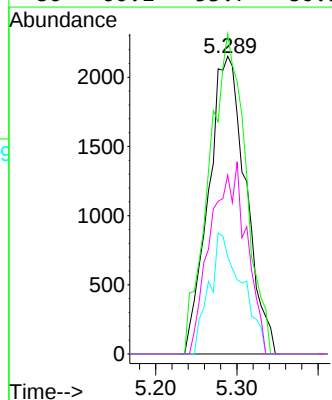
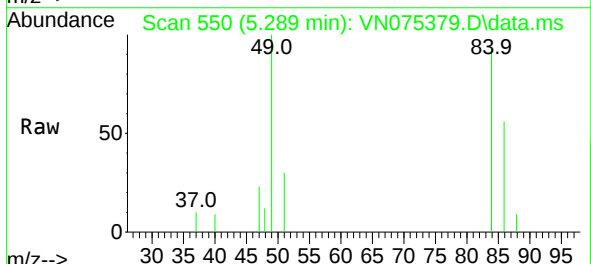
Instrument :
MSVOA_N
ClientSampleId :
MH-82

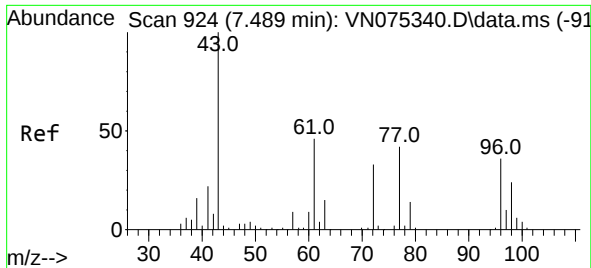
Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 3.011 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 84 Resp: 6869
Ion Ratio Lower Upper
84 100
49 107.5 94.9 142.3
51 32.6 26.8 40.2
86 60.1 53.7 80.5

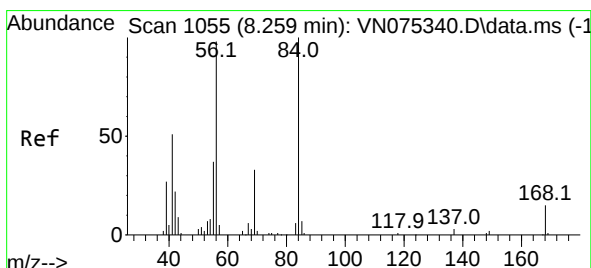
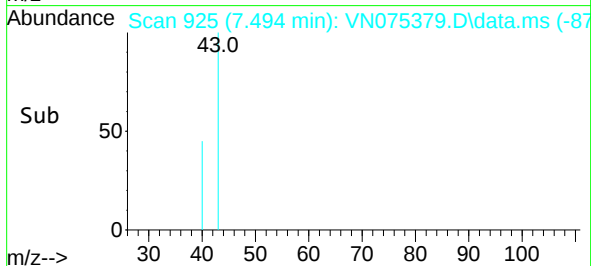
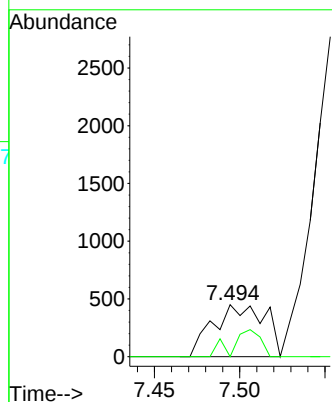
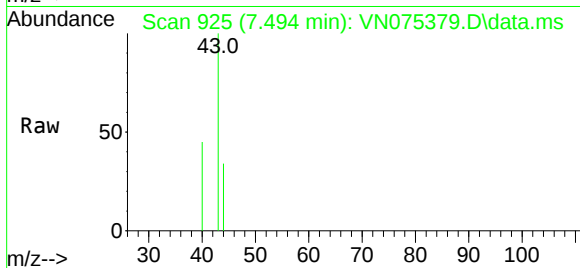




#25
2-Butanone
Concen: 0.850 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

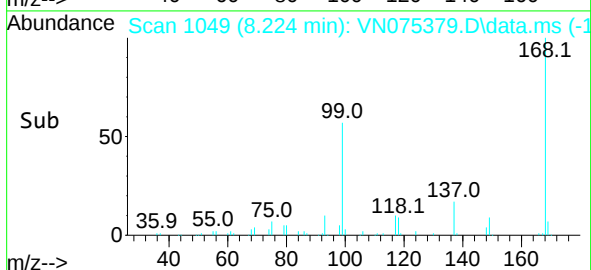
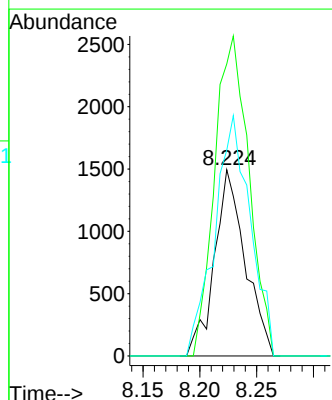
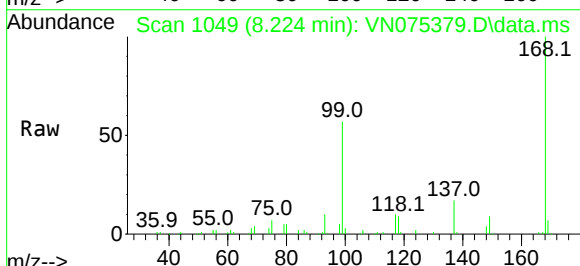
Instrument :
MSVOA_N
ClientSampleId :
MH-82

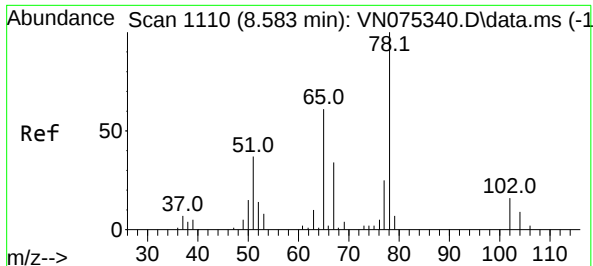
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 56 Resp: 2821
Ion Ratio Lower Upper
56 100
69 156.7 25.2 37.8#
84 110.4 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 49.610 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075379.D

Acq: 22 Nov 2022 19:43

Instrument :

MSVOA_N

ClientSampleId :

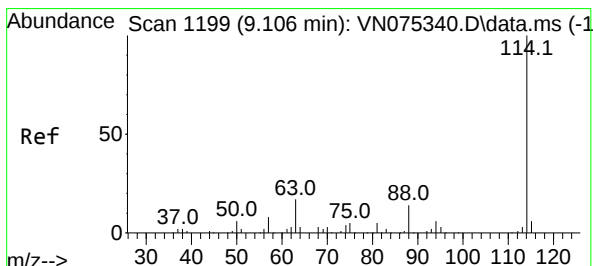
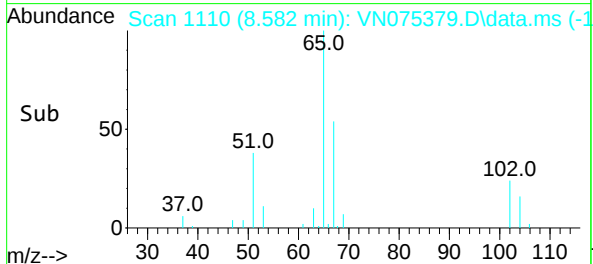
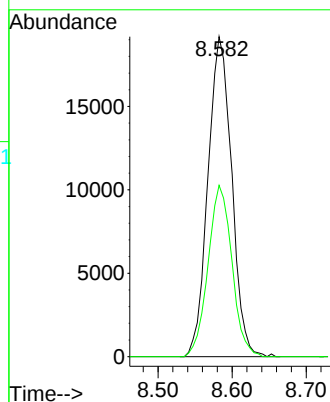
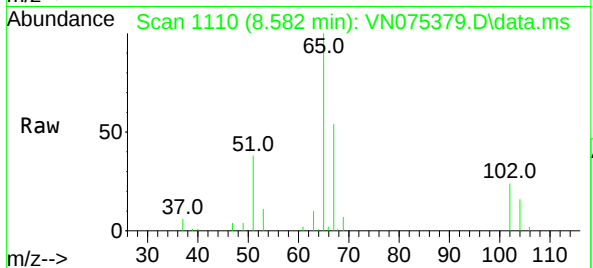
MH-82

Tgt Ion: 65 Resp: 42761

Ion Ratio Lower Upper

65 100

67 53.7 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: VN075379.D

Acq: 22 Nov 2022 19:43

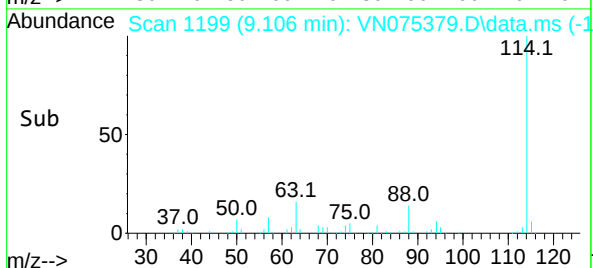
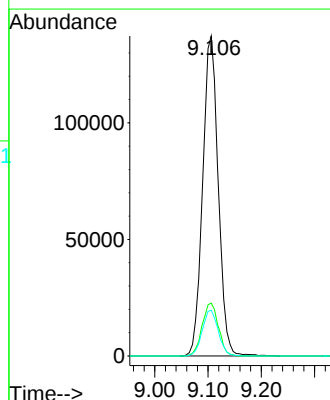
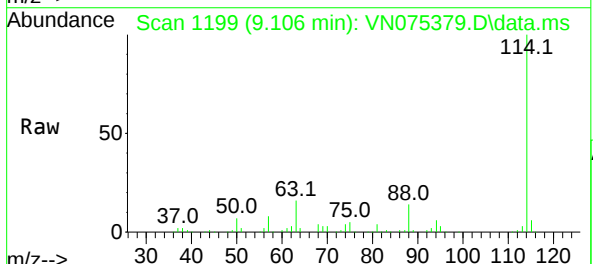
Tgt Ion: 114 Resp: 278103

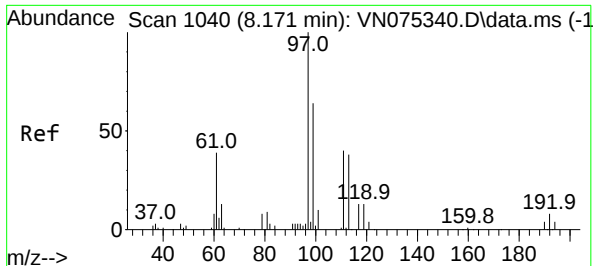
Ion Ratio Lower Upper

114 100

63 16.5 0.0 39.6

88 14.3 0.0 29.0

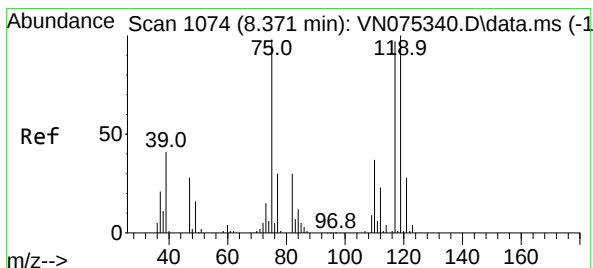
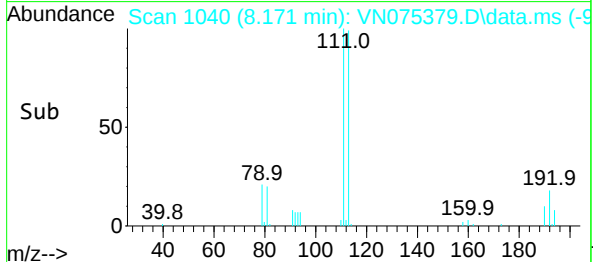
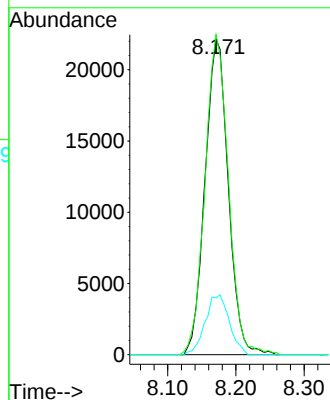
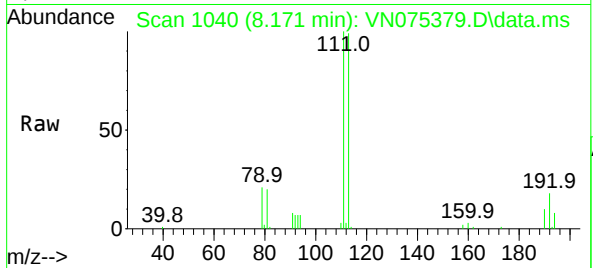




#35
Dibromofluoromethane
Concen: 48.116 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

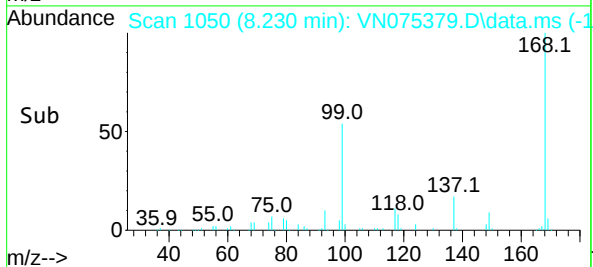
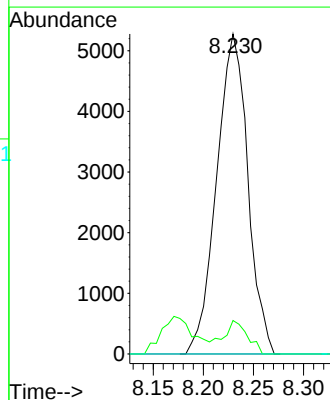
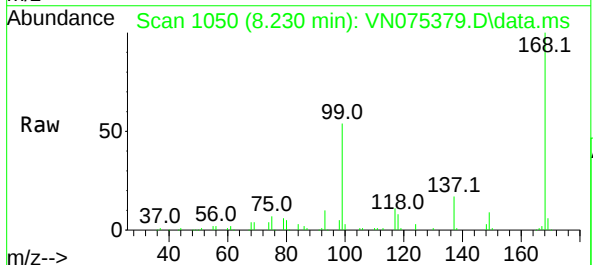
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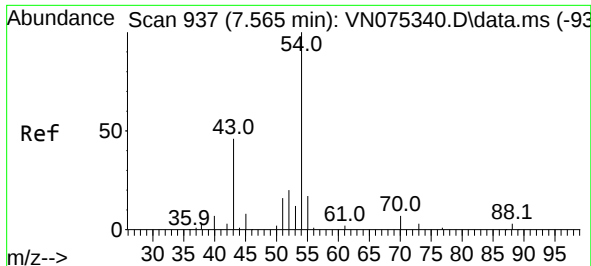
Tgt Ion:113 Resp: 52566
Ion Ratio Lower Upper
113 100
111 102.1 80.5 120.7
192 19.6 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 75 Resp: 11419
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 24.6 37.0#

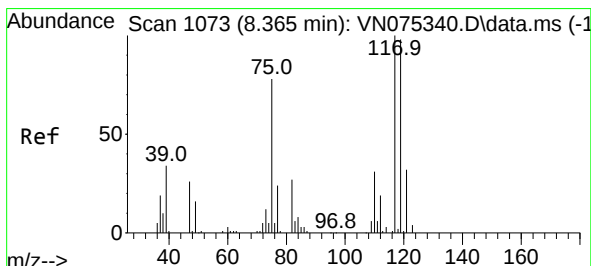
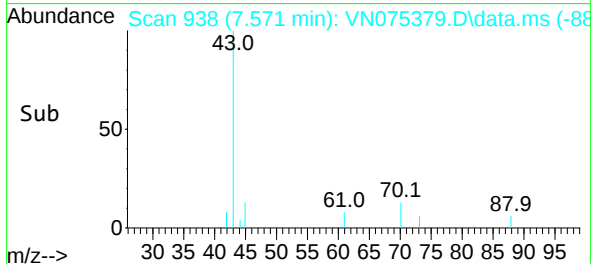
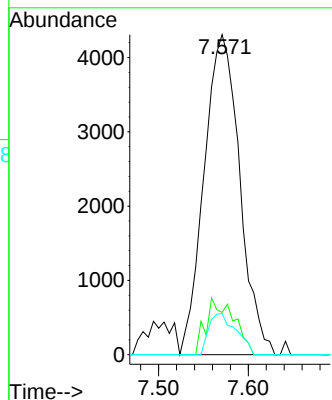
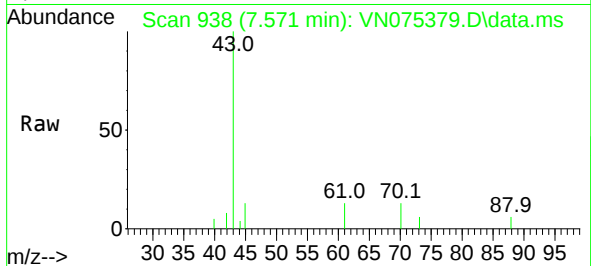




#37
Ethyl Acetate
Concen: 5.535 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

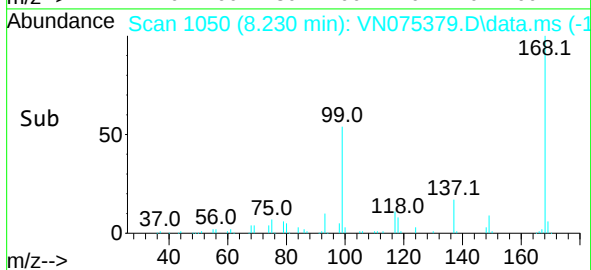
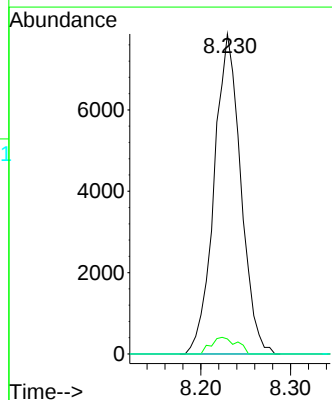
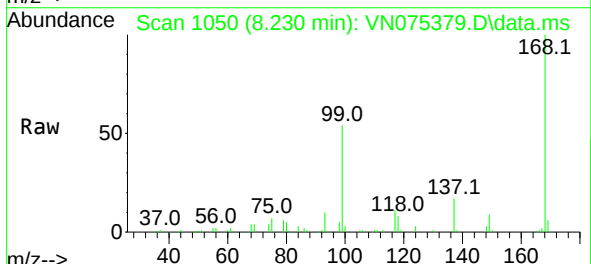
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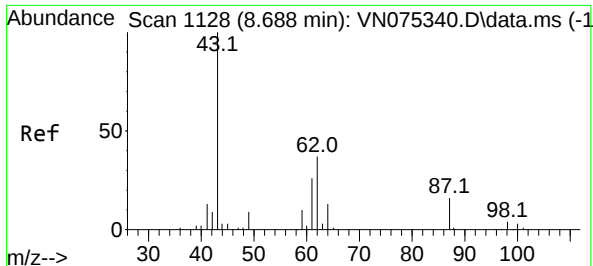
Tgt Ion: 43	Resp:	11874
Ion	Ratio	Lower Upper
43	100	
61	13.9	12.2 18.4
70	9.8	9.4 14.2



#38
Carbon Tetrachloride
Concen: 6.201 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 117	Resp:	16230
Ion	Ratio	Lower Upper
117	100	
119	4.7	76.7 115.1#
121	0.0	23.9 35.9#

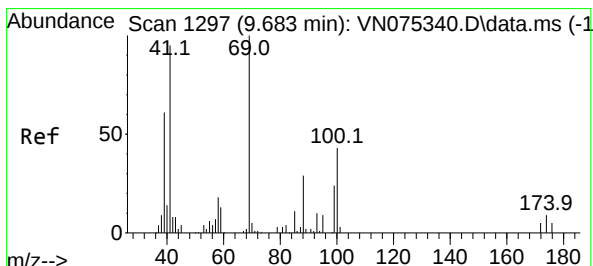
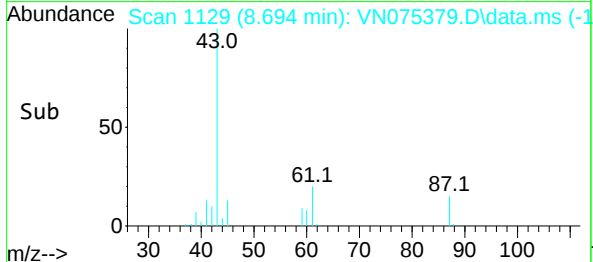
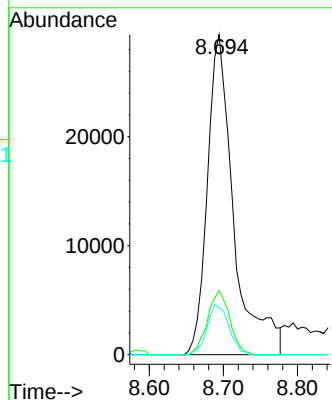
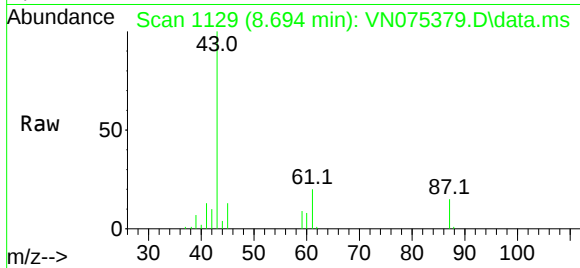




#43
Isopropyl Acetate
Concen: 21.071 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

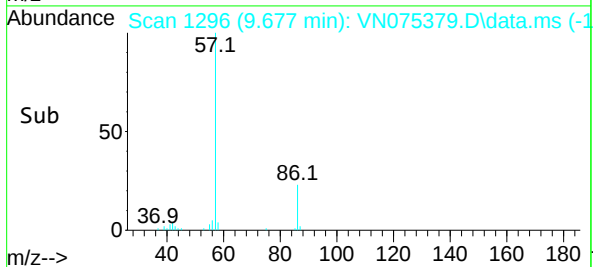
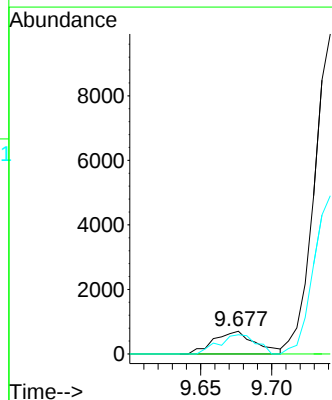
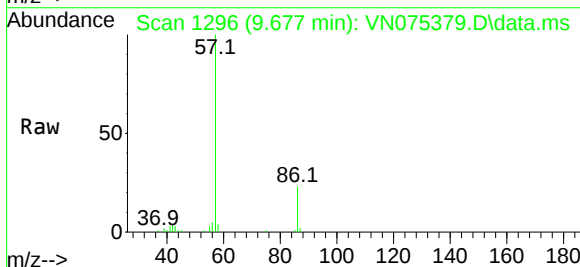
Instrument :
MSVOA_N
ClientSampleId :
MH-82

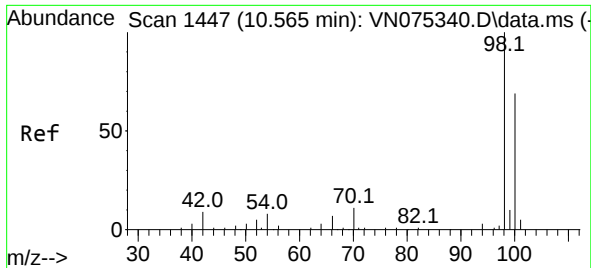
Tgt Ion: 43 Resp: 72554
Ion Ratio Lower Upper
43 100
61 16.9 22.4 33.6#
87 12.9 12.5 18.7



#48
Methyl methacrylate
Concen: 0.900 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 41 Resp: 1433
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 76.1 56.2 84.2

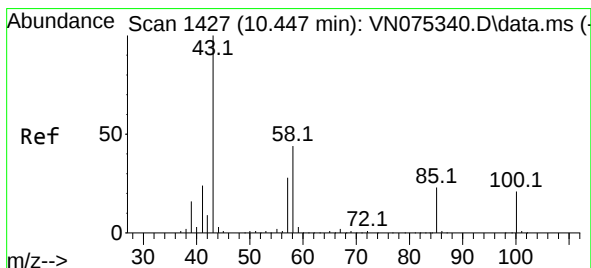
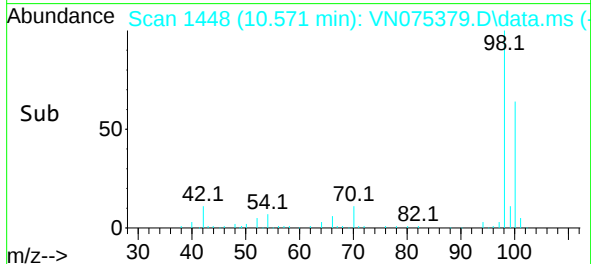
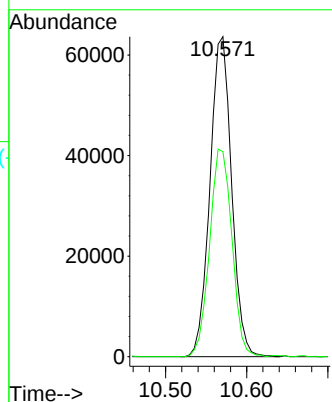
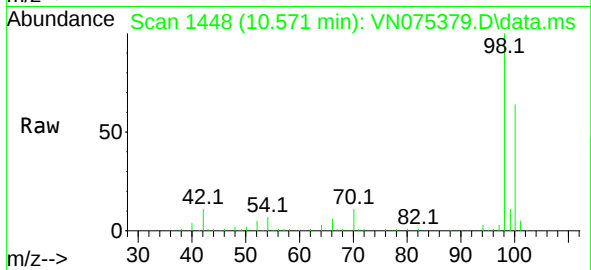




#50
Toluene-d8
Concen: 47.923 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

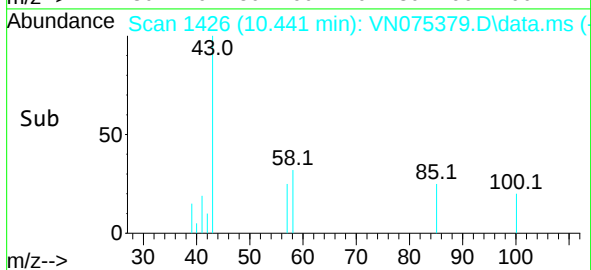
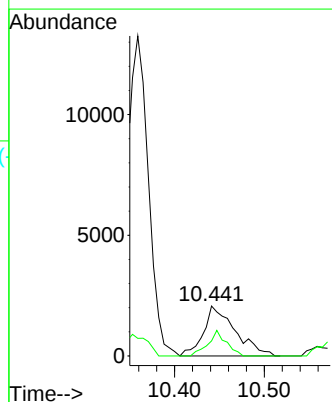
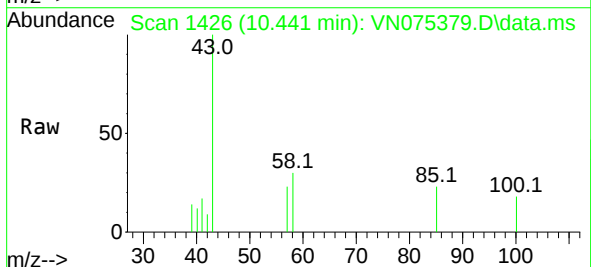
Instrument :
MSVOA_N
ClientSampleId :
MH-82

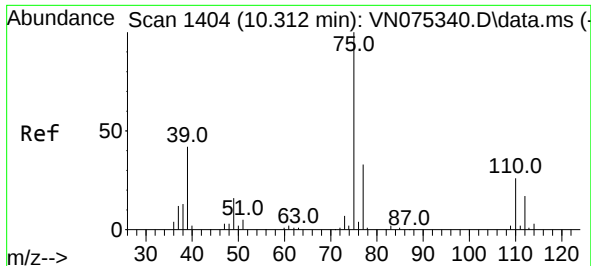
Tgt Ion: 98 Resp: 117917
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.308 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 43 Resp: 5061
Ion Ratio Lower Upper
43 100
58 29.5 33.6 50.4#

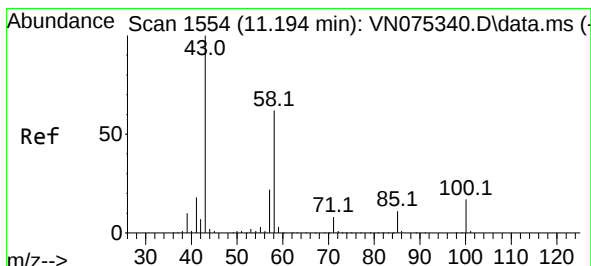
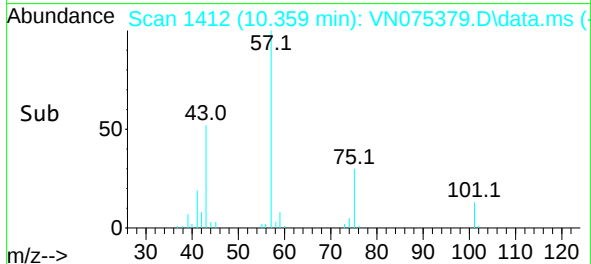
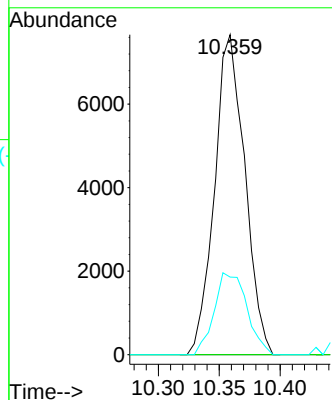
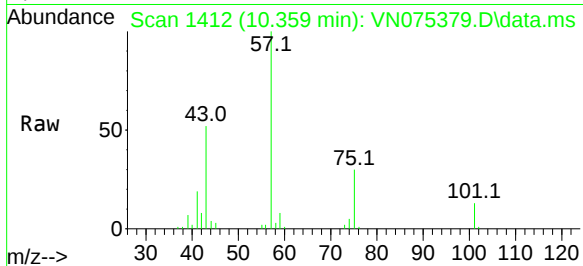




#54
cis-1,3-Dichloropropene
Concen: 4.774 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

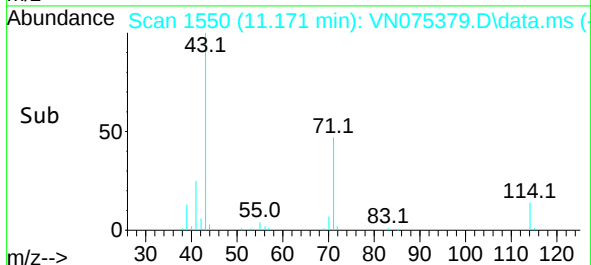
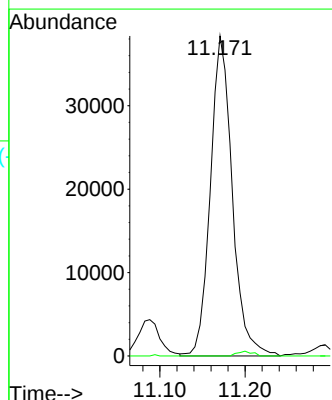
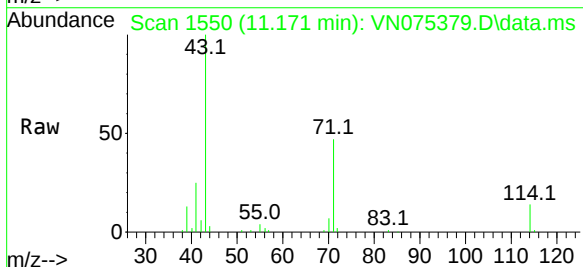
Instrument :
MSVOA_N
ClientSampleId :
MH-82

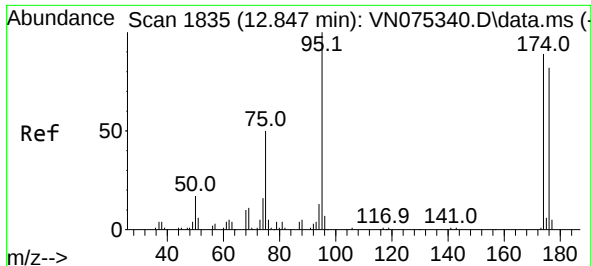
Tgt Ion: 75 Resp: 13254
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 24.2 35.8 53.6#



#59
2-Hexanone
Concen: 41.680 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.023 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 43 Resp: 68640
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 47.637 ug/l

RT: 12.853 min Scan# 1835

Delta R.T. 0.006 min

Lab File: VN075379.D

Acq: 22 Nov 2022 19:43

Instrument :

MSVOA_N

ClientSampleId :

MH-82

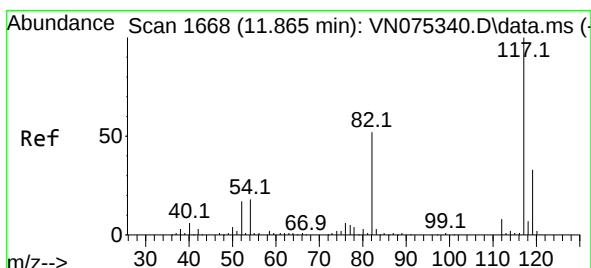
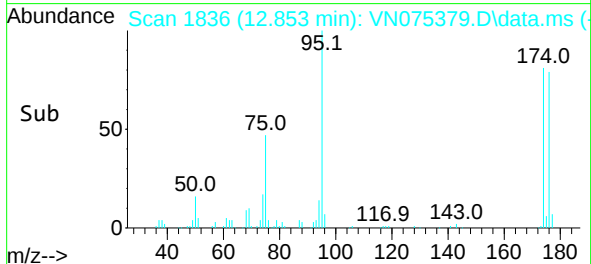
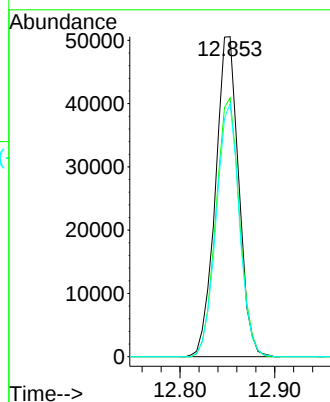
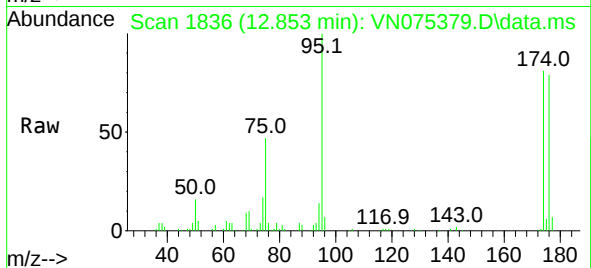
Tgt Ion: 95 Resp: 86517

Ion Ratio Lower Upper

95 100

174 81.8 0.0 147.4

176 78.6 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: VN075379.D

Acq: 22 Nov 2022 19:43

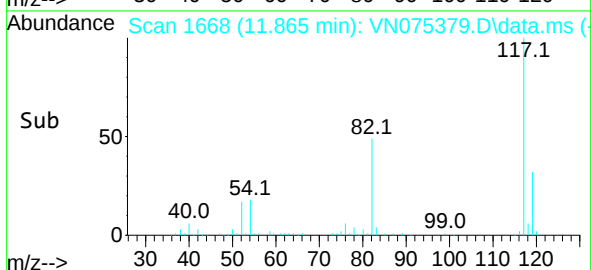
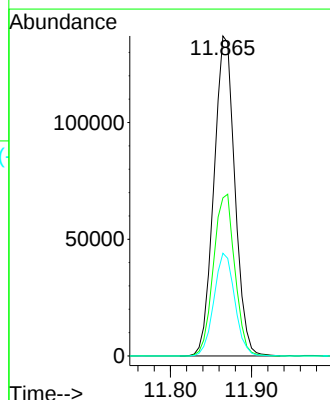
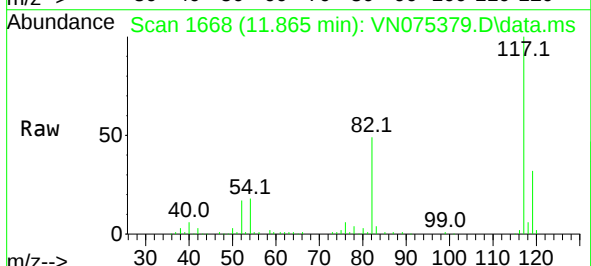
Tgt Ion: 117 Resp: 245760

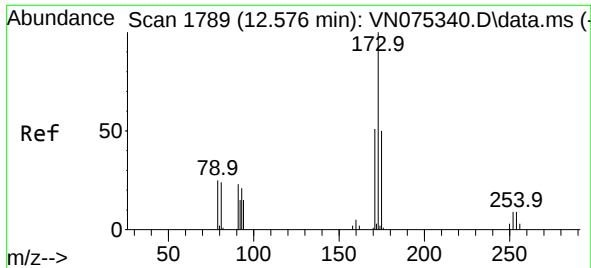
Ion Ratio Lower Upper

117 100

82 49.4 43.1 64.7

119 32.1 25.5 38.3

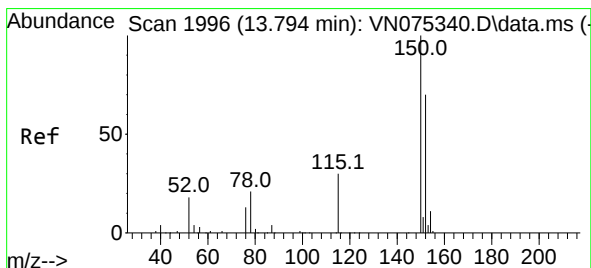
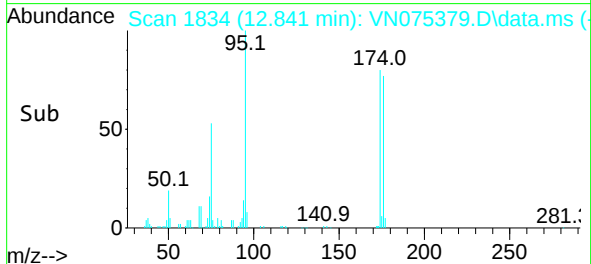
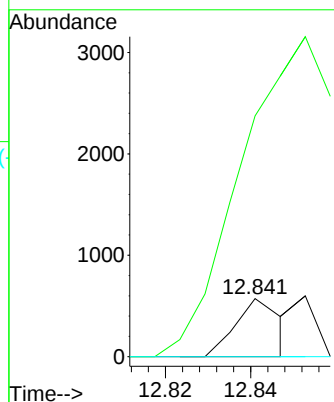
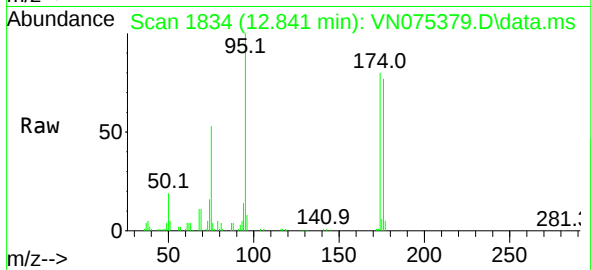




#71
Bromoform
Concen: 0.295 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

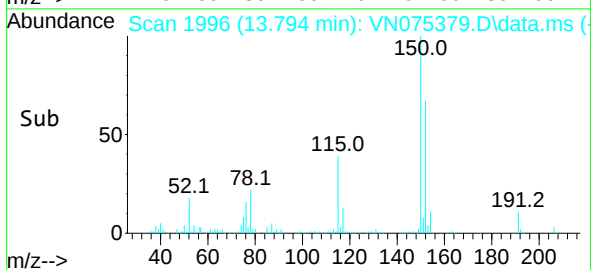
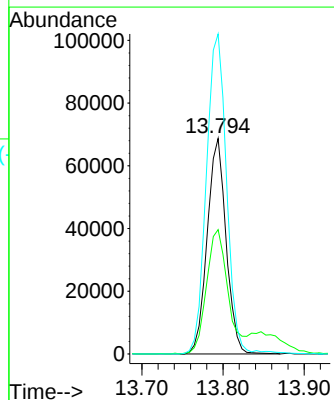
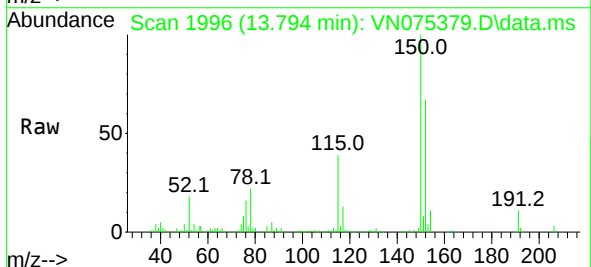
Instrument :
MSVOA_N
ClientSampleId :
MH-82

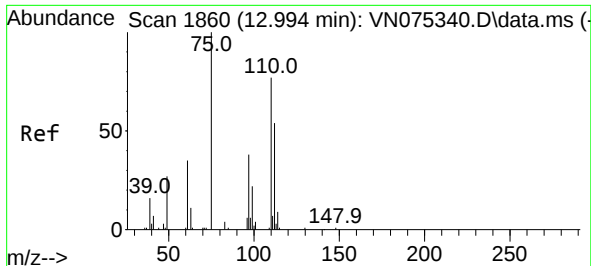
Tgt Ion:173 Resp: 426
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion:152 Resp: 111034
Ion Ratio Lower Upper
152 100
115 66.6 30.2 90.6
150 159.0 0.0 348.4

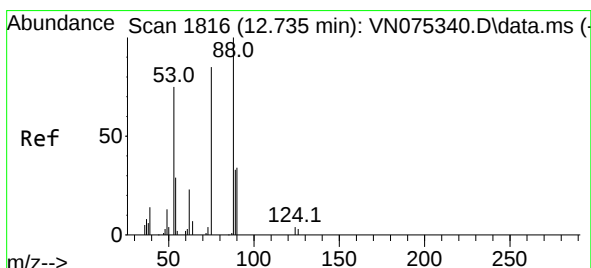
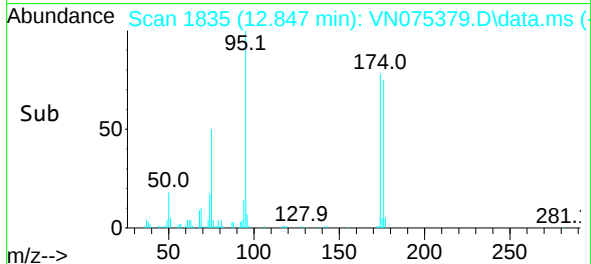
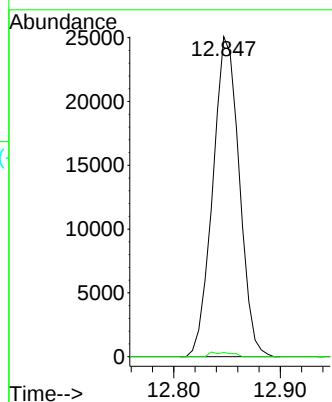
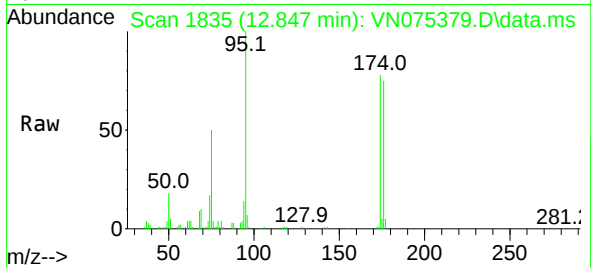




#76
1,2,3-Trichloropropane
Concen: 20.633 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

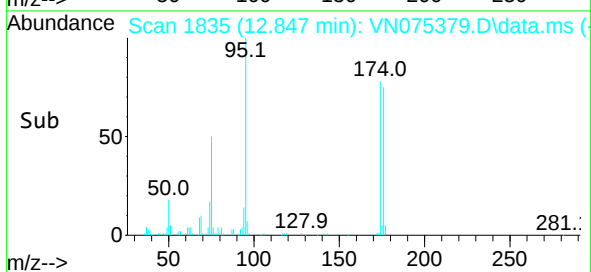
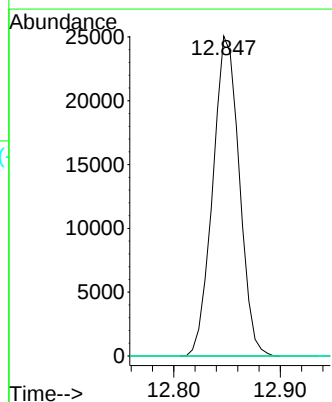
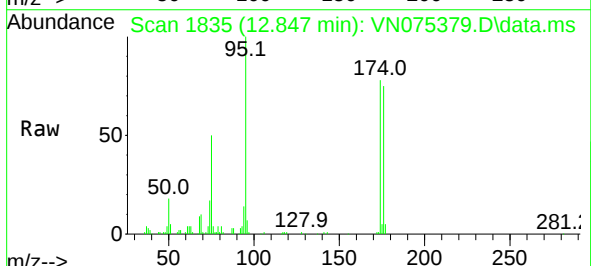
Instrument :
MSVOA_N
ClientSampleId :
MH-82

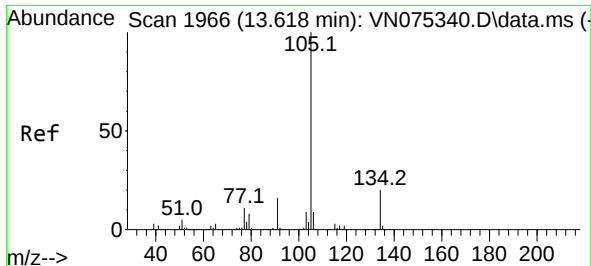
Tgt Ion: 75 Resp: 43317
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.050 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075379.D
Acq: 22 Nov 2022 19:43

Tgt Ion: 75 Resp: 43317
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

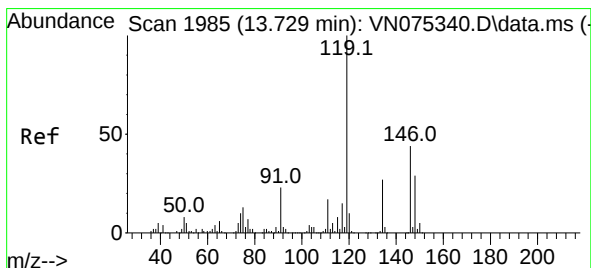
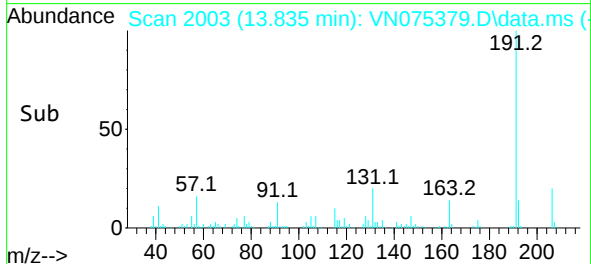
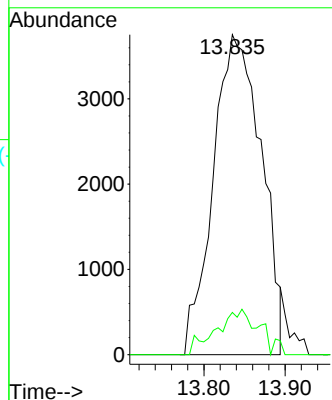
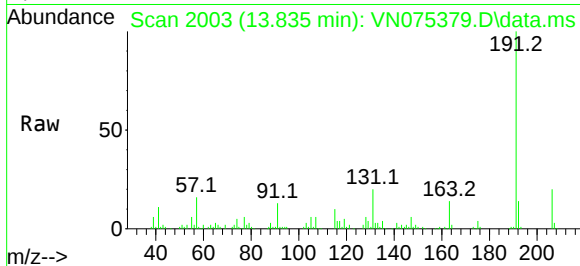




#85
 sec-Butylbenzene
 Concen: 1.861 ug/l
 RT: 13.835 min Scan# 2003
 Delta R.T. 0.217 min
 Lab File: VN075379.D
 Acq: 22 Nov 2022 19:43

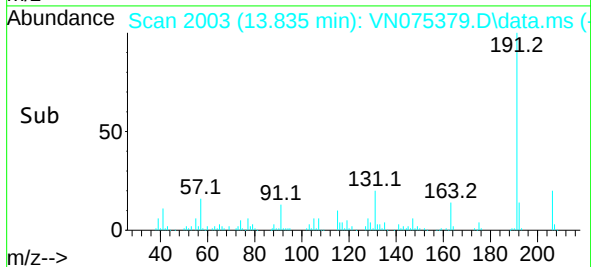
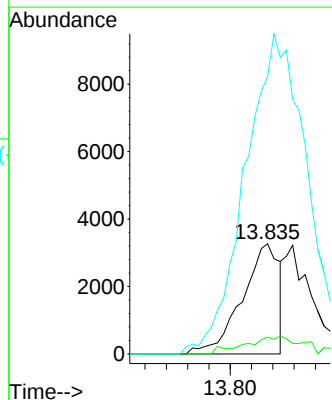
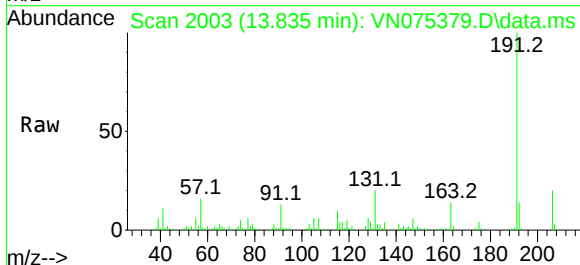
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-82

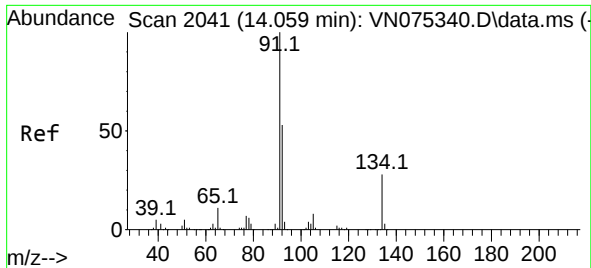
Tgt Ion:105 Resp: 15520
 Ion Ratio Lower Upper
 105 100
 134 12.7 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 1.125 ug/l
 RT: 13.835 min Scan# 2003
 Delta R.T. 0.106 min
 Lab File: VN075379.D
 Acq: 22 Nov 2022 19:43

Tgt Ion:119 Resp: 7891
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.1 39.3
 91 485.2 11.9 35.5#





#89
 n-Butylbenzene
 Concen: 6.151 ug/l
 RT: 13.841 min Scan# 2041
 Delta R.T. -0.218 min
 Lab File: VN075379.D
 Acq: 22 Nov 2022 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-82

Tgt Ion: 91 Resp: 36444
 Ion Ratio Lower Upper
 91 100
 92 10.2 26.5 79.4#
 134 5.4 13.0 39.0#

