

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075512.D
 Acq On : 30 Nov 2022 19:27
 Operator : JC\MD
 Sample : N5809-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HOWE-DRUM-A-1129

Quant Time: Dec 01 02:19:32 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)

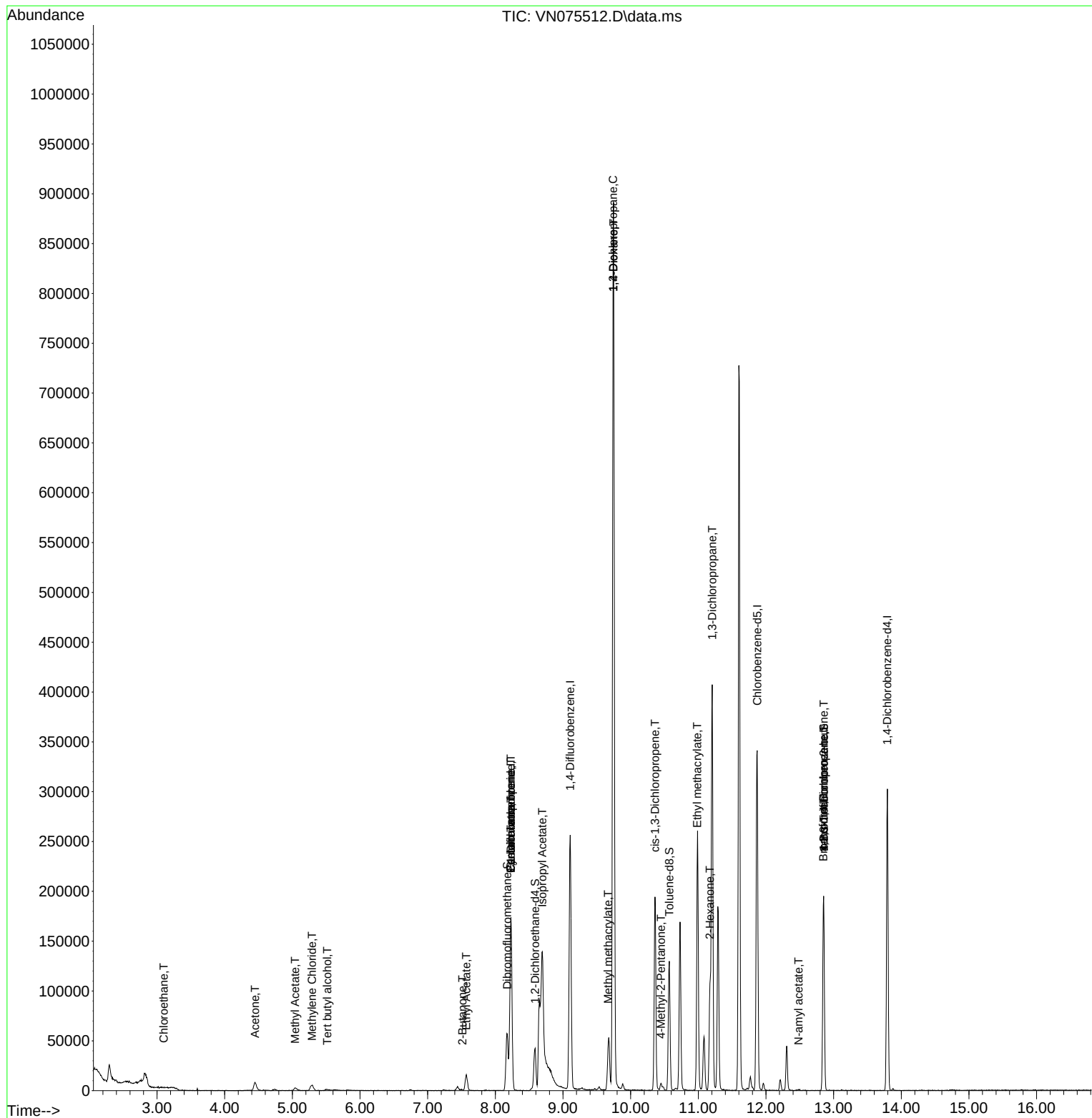
Internal Standards						
1) Pentafluorobenzene	8.230	168	132451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	237952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	218430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	35263	49.598	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.200%		
35) Dibromofluoromethane	8.177	113	43050	46.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.100%		
50) Toluene-d8	10.571	98	92374	43.876	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.760%		
62) 4-Bromofluorobenzene	12.853	95	67173	43.227	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.460%		
Target Compounds						Qvalue
6) Chloroethane	3.101	64	372	0.309	ug/l #	45
11) Tert butyl alcohol	5.518	59	799	2.677	ug/l #	72
16) Acetone	4.448	43	15721	23.706	ug/l	98
18) Methyl Acetate	5.042	43	5640	2.134	ug/l	100
20) Methylene Chloride	5.289	84	5180	2.641	ug/l #	77
25) 2-Butanone	7.512	43	1560	1.685	ug/l #	43
31) Cyclohexane	8.230	56	2486	1.101	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	9775	4.795	ug/l #	51
37) Ethyl Acetate	7.571	43	22999	12.530	ug/l	98
38) Carbon Tetrachloride	8.230	117	13582	6.065	ug/l #	16
43) Isopropyl Acetate	8.694	43	161300	54.748	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1369	0.920	ug/l #	42
48) Methyl methacrylate	9.665	41	2918	2.142	ug/l #	38
49) 1,4-Dioxane	9.747	88	66	1.706	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3469	1.849	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	38712	16.297	ug/l #	62
56) Ethyl methacrylate	10.982	69	1084	0.490	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4474	1.675	ug/l #	42
59) 2-Hexanone	11.171	43	77861	55.257	ug/l #	21
71) Bromoform	12.847	173	476	0.371	ug/l #	1
74) N-amyl acetate	12.482	43	606	0.317	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	33800	20.995	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	33800	62.119	ug/l #	10

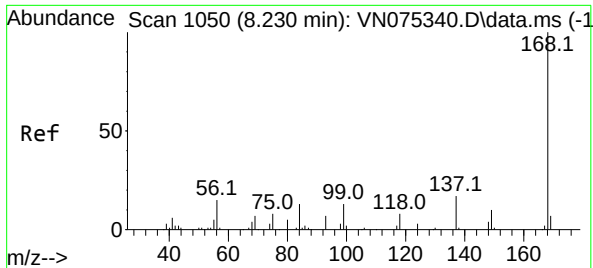
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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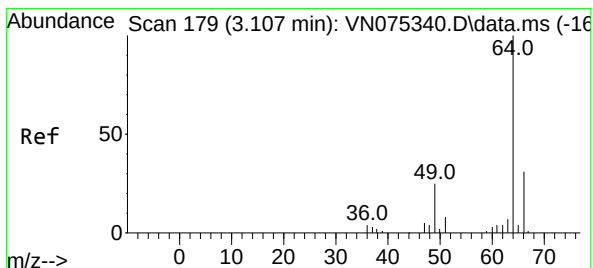
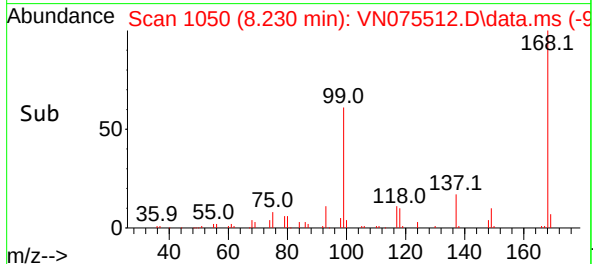
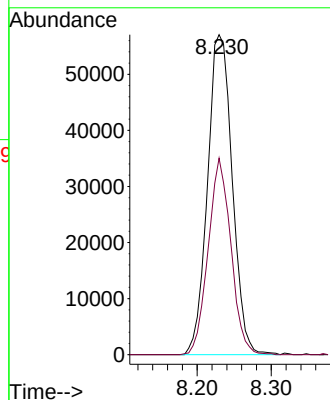
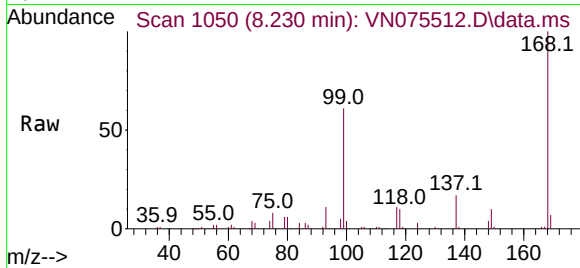




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

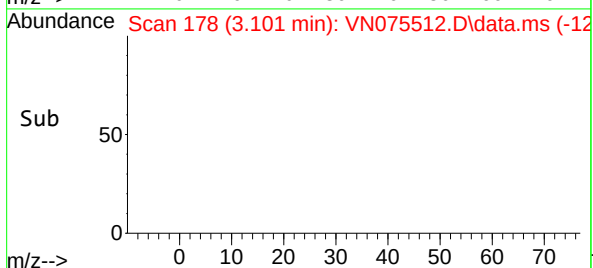
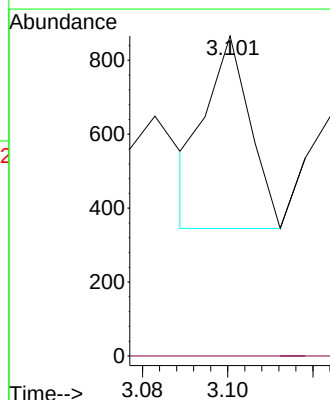
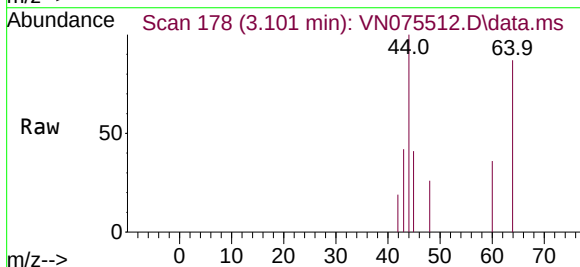
Instrument :
MSVOA_N
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HOWE-DRUM-A-1129

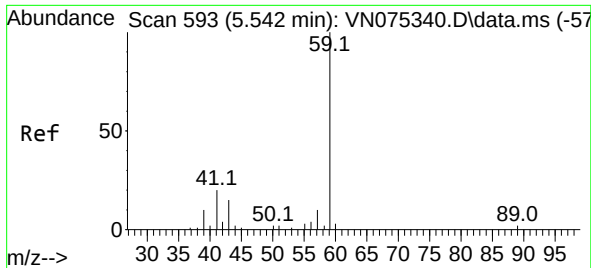
Tgt Ion:168 Resp: 132451
Ion Ratio Lower Upper
168 100
99 61.4 51.6 77.4



#6
Chloroethane
Concen: 0.309 ug/l
RT: 3.101 min Scan# 178
Delta R.T. -0.006 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion: 64 Resp: 372
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

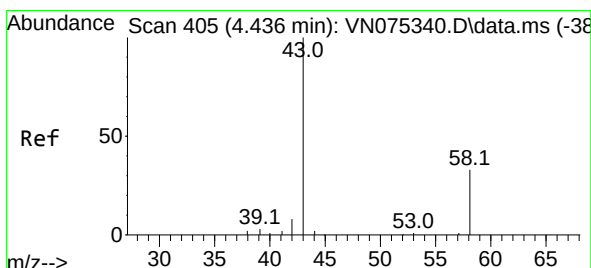
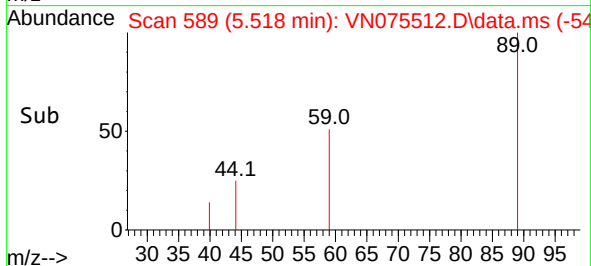
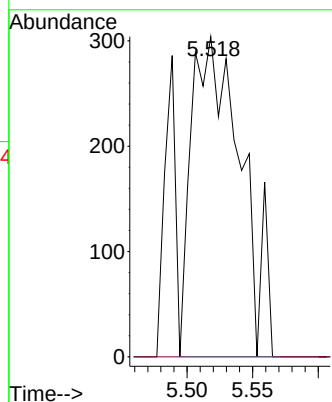
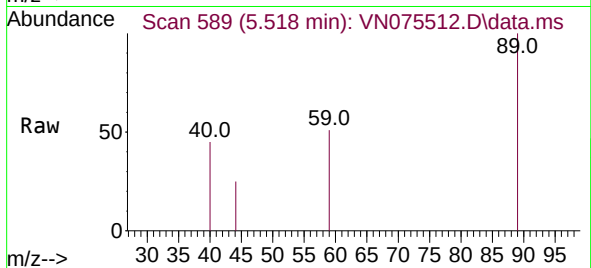




#11
Tert butyl alcohol
Concen: 2.677 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

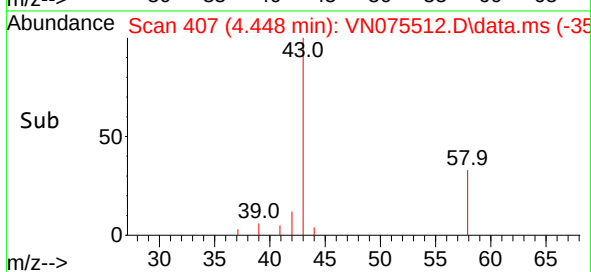
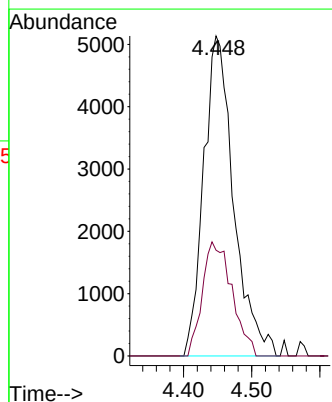
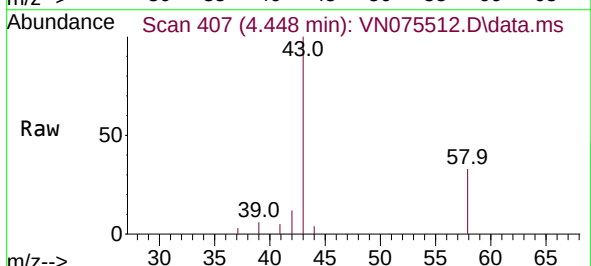
Instrument :
MSVOA_N
ClientSampleId :
HOWE-DRUM-A-1129

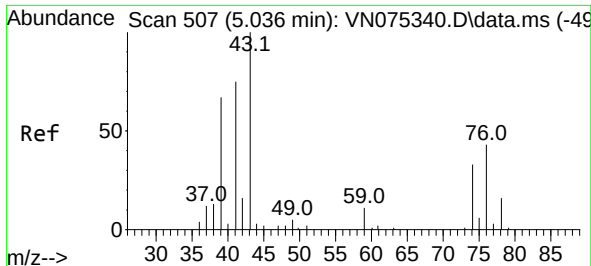
Tgt Ion: 59 Resp: 799
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 23.706 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion: 43 Resp: 15721
Ion Ratio Lower Upper
43 100
58 33.0 25.5 38.3

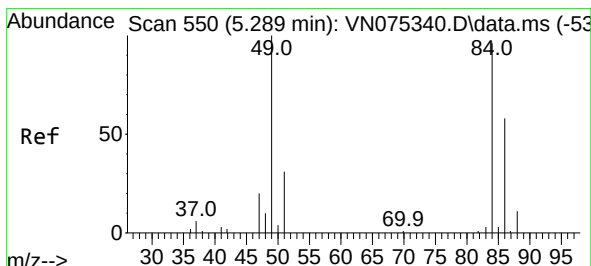
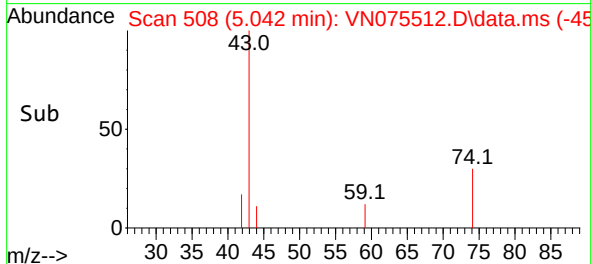
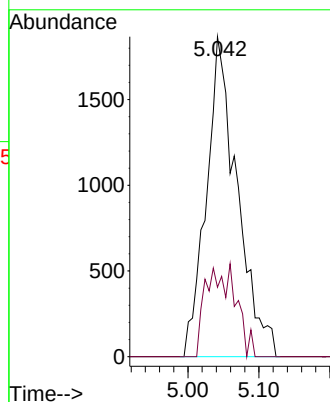
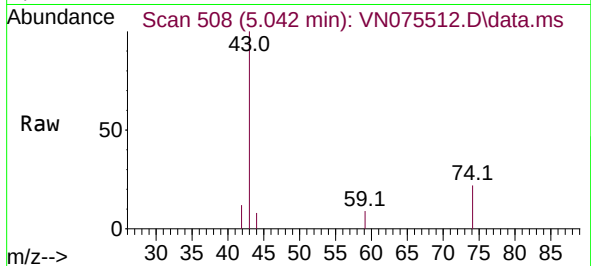




#18
Methyl Acetate
Concen: 2.134 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

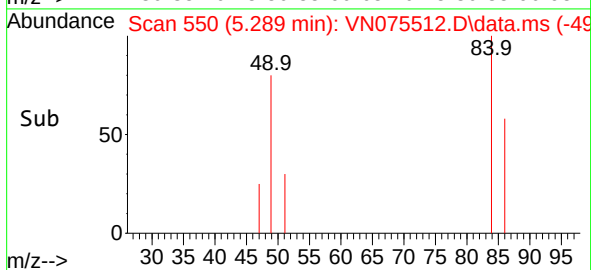
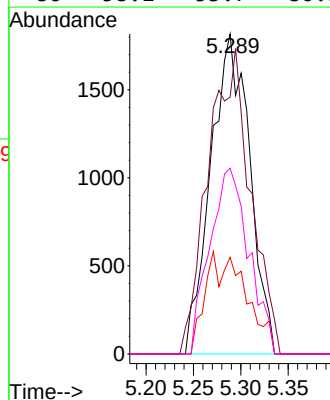
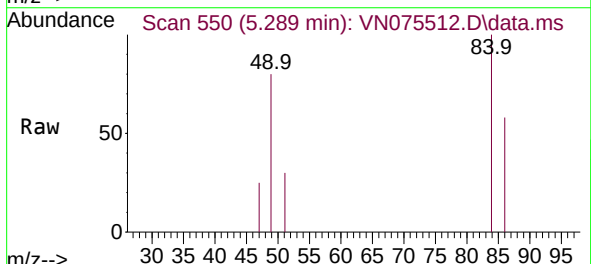
Instrument :
MSVOA_N
ClientSampleId :
HOWE-DRUM-A-1129

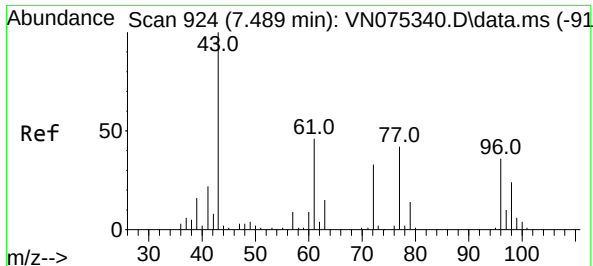
Tgt Ion: 43 Resp: 5640
Ion Ratio Lower Upper
43 100
74 27.6 22.0 33.0



#20
Methylene Chloride
Concen: 2.641 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion: 84 Resp: 5180
Ion Ratio Lower Upper
84 100
49 80.2 94.9 142.3#
51 30.2 26.8 40.2
86 58.1 53.7 80.5





#25

2-Butanone

Concen: 1.685 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN075512.D

Acq: 30 Nov 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

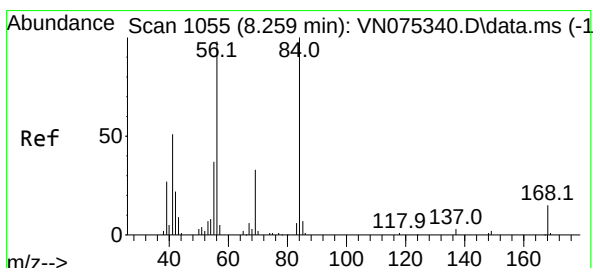
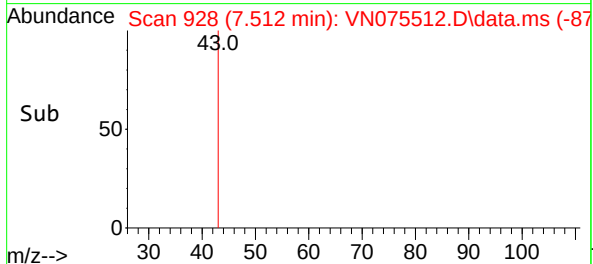
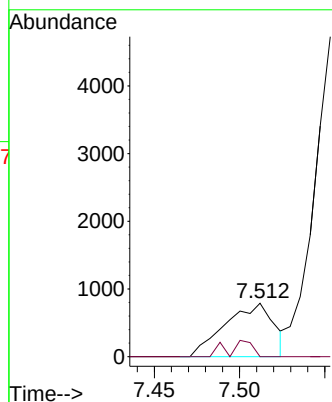
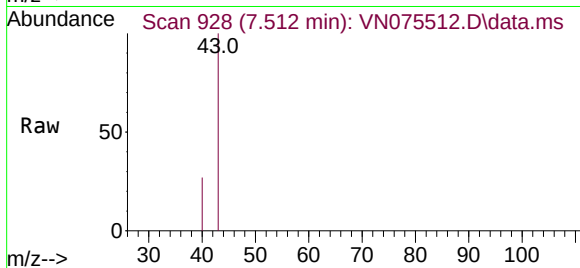
HOWE-DRUM-A-1129

Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#31

Cyclohexane

Concen: 1.101 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075512.D

Acq: 30 Nov 2022 19:27

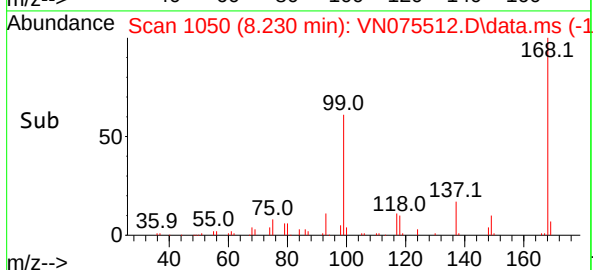
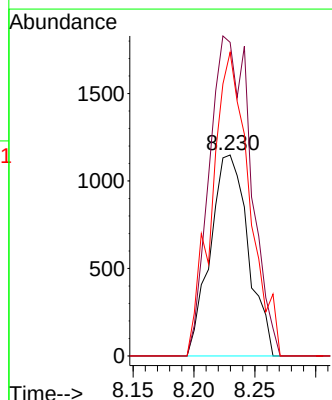
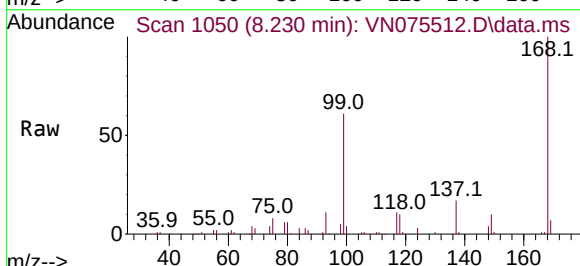
Tgt Ion: 56 Resp: 2486

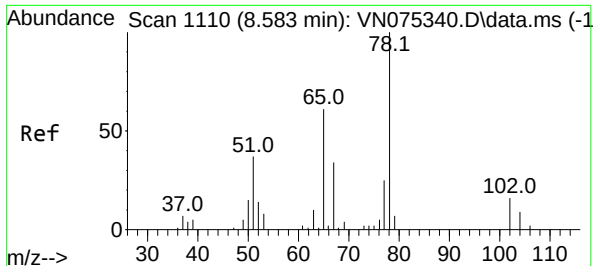
Ion Ratio Lower Upper

56 100

69 156.0 25.2 37.8#

84 151.1 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 49.598 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VN075512.D

Acq: 30 Nov 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

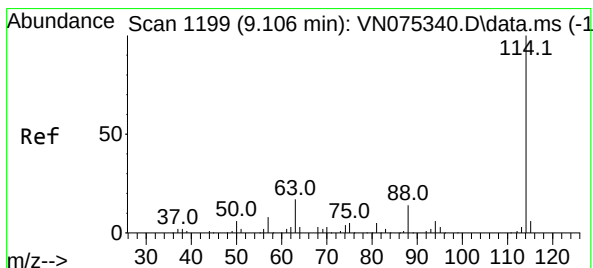
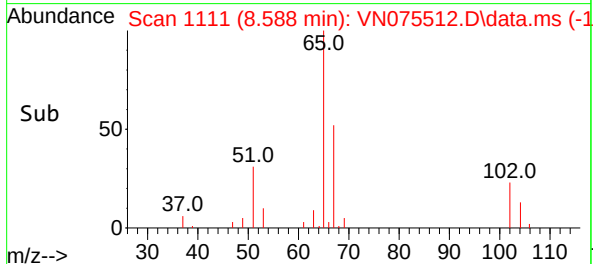
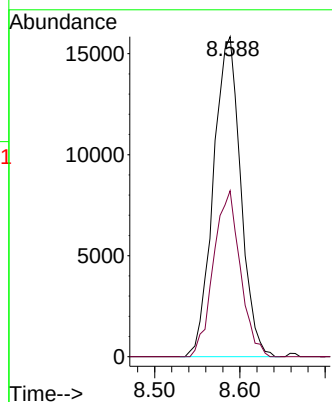
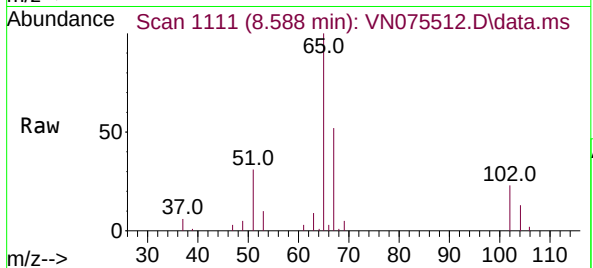
HOWE-DRUM-A-1129

Tgt Ion: 65 Resp: 35263

Ion Ratio Lower Upper

65 100

67 50.8 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: VN075512.D

Acq: 30 Nov 2022 19:27

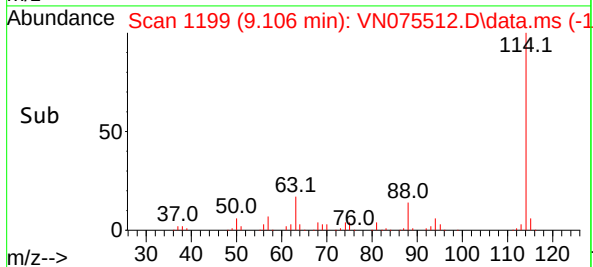
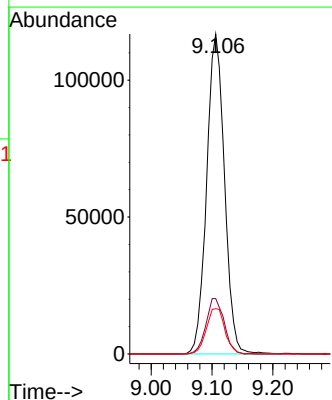
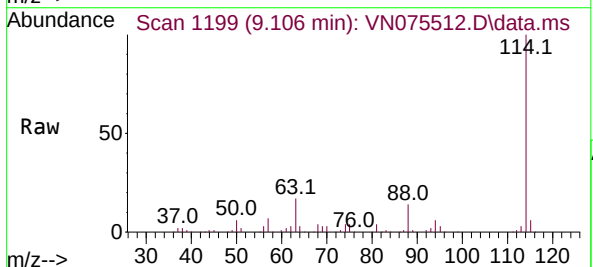
Tgt Ion: 114 Resp: 237952

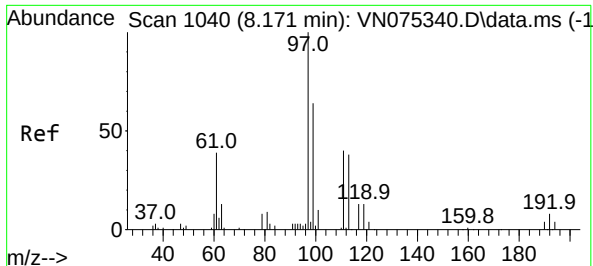
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 14.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 46.055 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075512.D

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Instrument :

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ClientSampleId :

HOWE-DRUM-A-1129

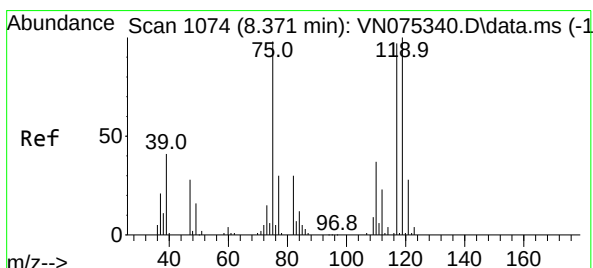
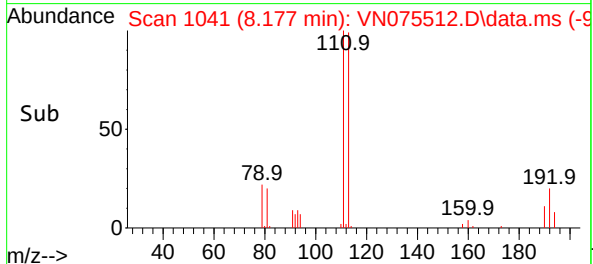
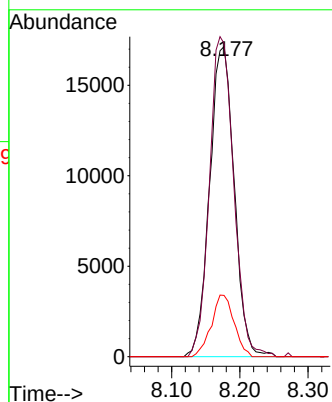
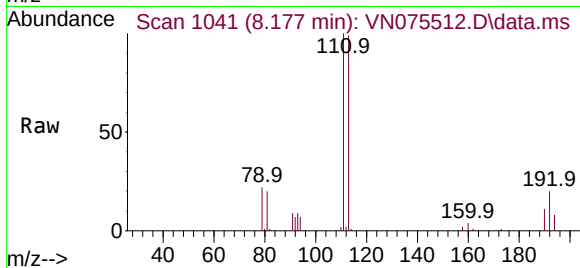
Tgt Ion:113 Resp: 43050

Ion Ratio Lower Upper

113 100

111 101.7 80.5 120.7

192 18.4 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.795 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075512.D

Acq: 30 Nov 2022 19:27

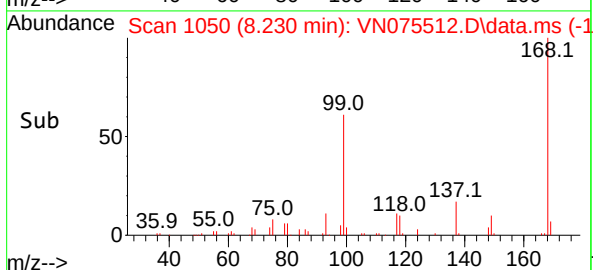
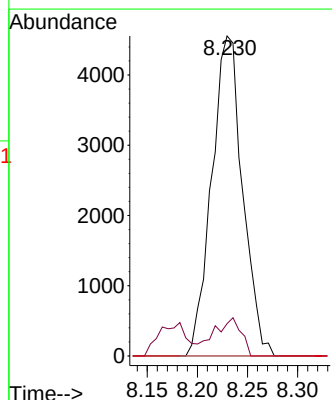
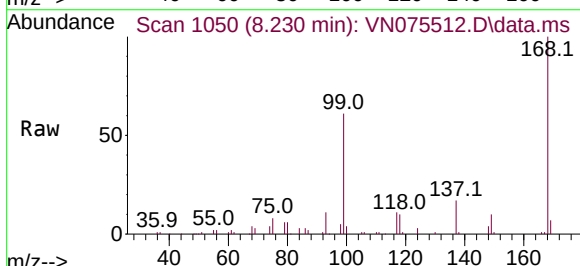
Tgt Ion: 75 Resp: 9775

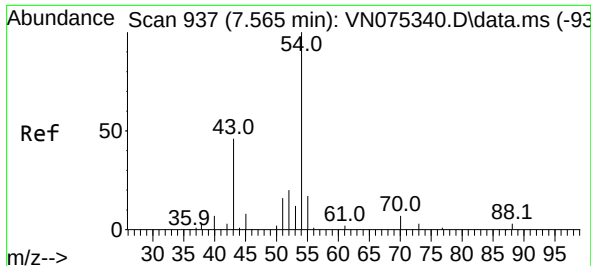
Ion Ratio Lower Upper

75 100

110 10.4 17.8 53.3#

77 0.0 24.6 37.0#

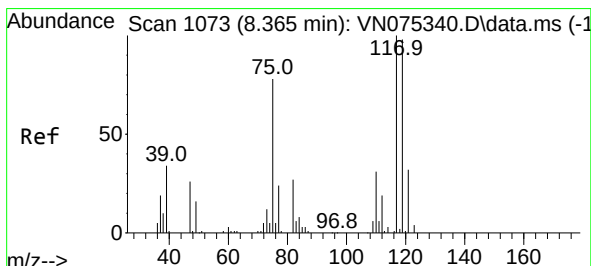
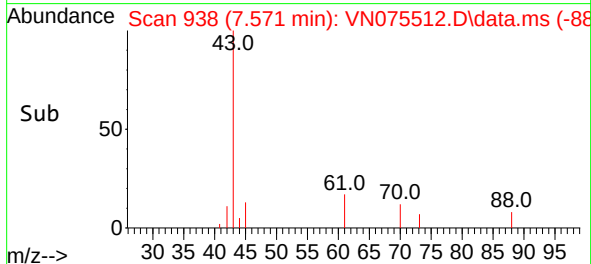
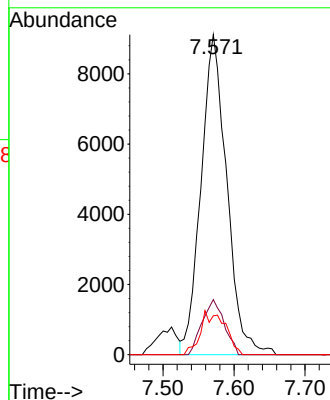
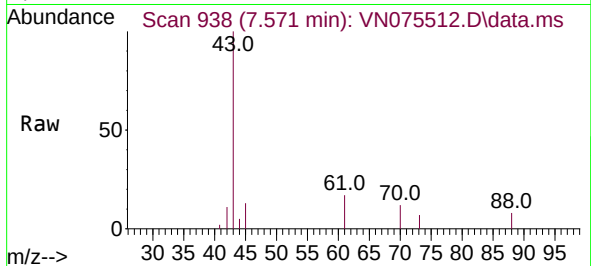




#37
Ethyl Acetate
Concen: 12.530 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

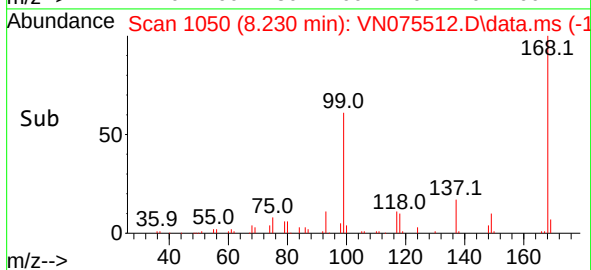
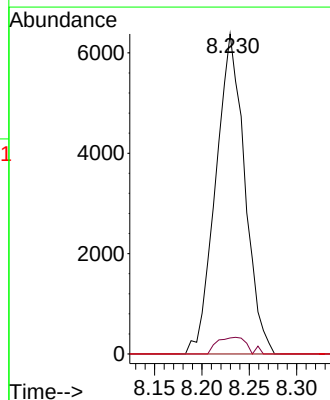
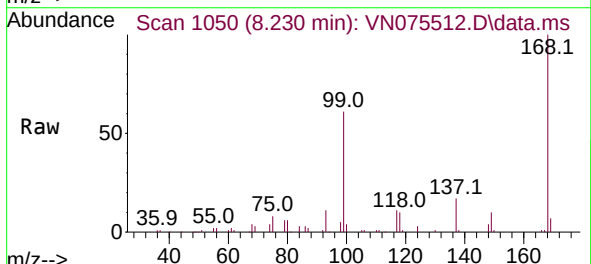
Instrument :
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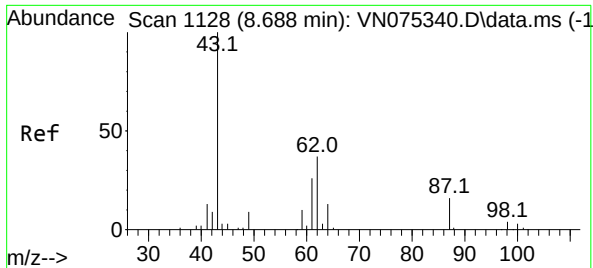
Tgt Ion: 43 Resp: 22999
Ion Ratio Lower Upper
43 100
61 14.7 12.2 18.4
70 13.1 9.4 14.2



#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion: 117 Resp: 13582
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 23.9 35.9#

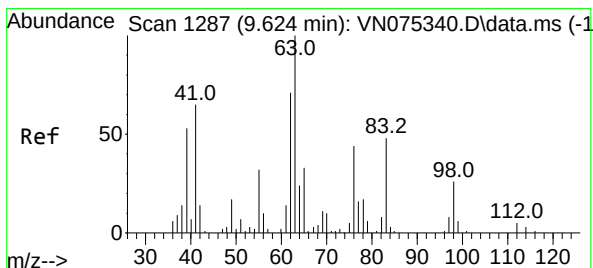
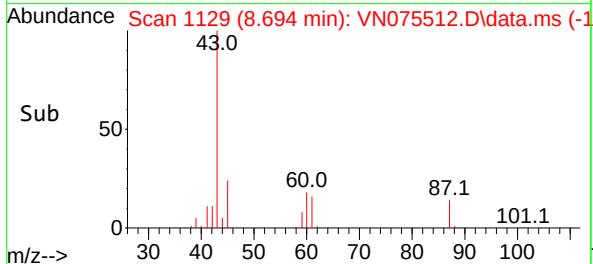
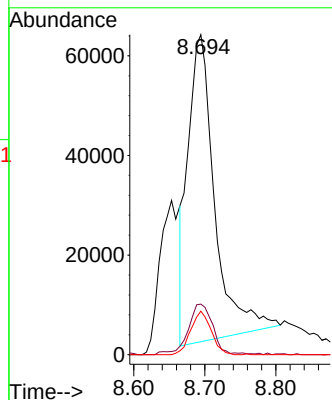
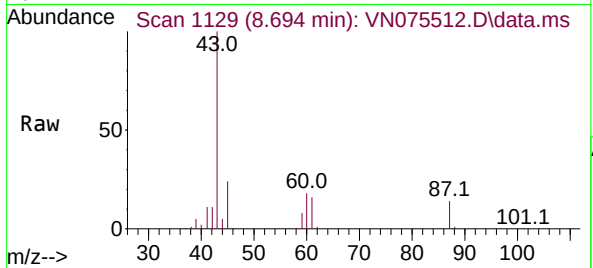




#43
Isopropyl Acetate
Concen: 54.748 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

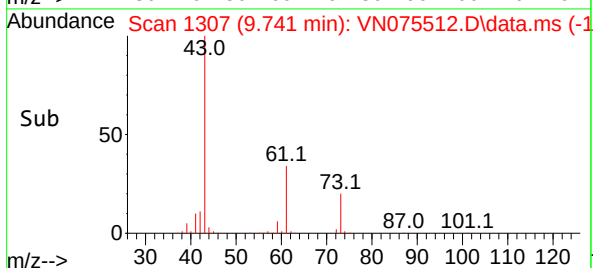
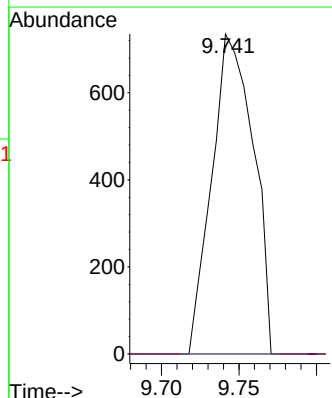
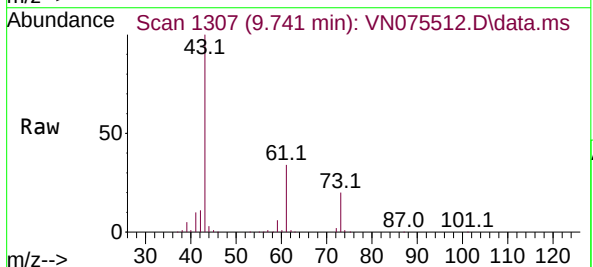
Instrument :
MSVOA_N
ClientSampleId :
HOWE-DRUM-A-1129

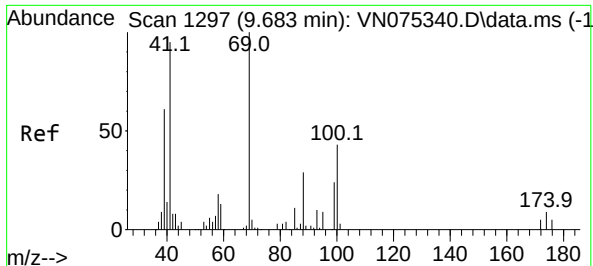
Tgt Ion: 43 Resp: 161300
Ion Ratio Lower Upper
43 100
61 15.4 22.4 33.6#
87 10.8 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.920 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion: 63 Resp: 1369
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

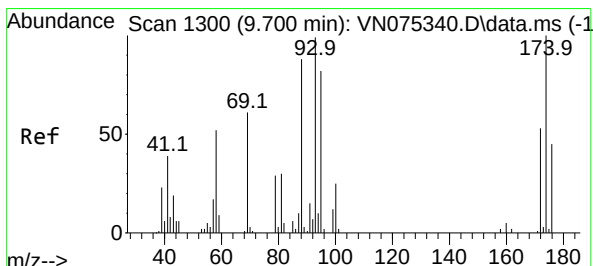
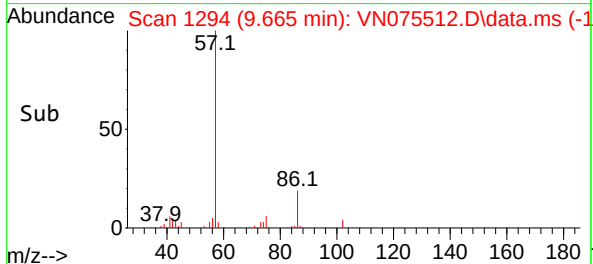
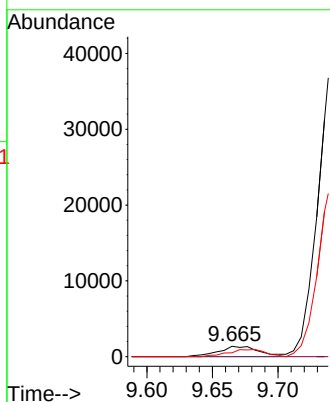
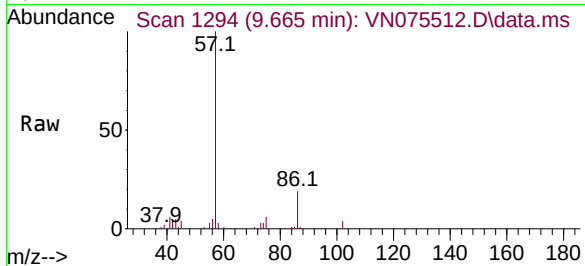




#48
Methyl methacrylate
Concen: 2.142 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

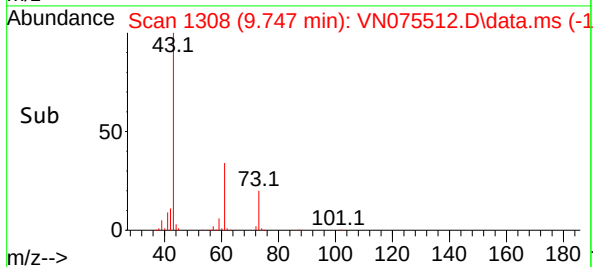
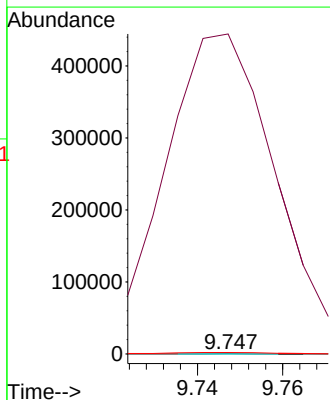
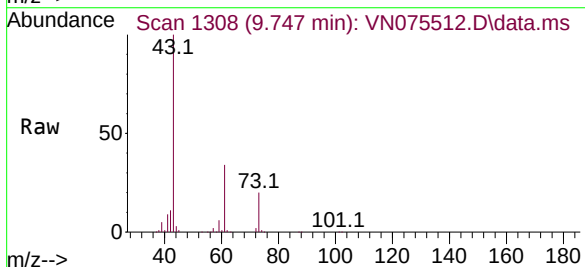
Instrument :
MSVOA_N
ClientSampleId :
HOWE-DRUM-A-1129

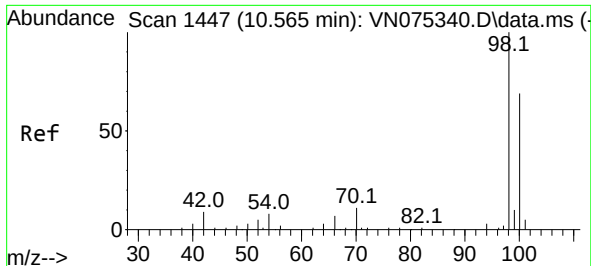
Tgt Ion: 41 Resp: 2918
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 64.7 56.2 84.2



#49
1,4-Dioxane
Concen: 1.706 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 1249221.2 17.5 26.3#
58 6037.9 49.8 74.8#





#50

Toluene-d8

Concen: 43.876 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075512.D

Acq: 30 Nov 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

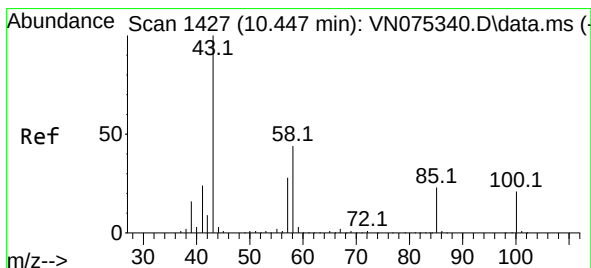
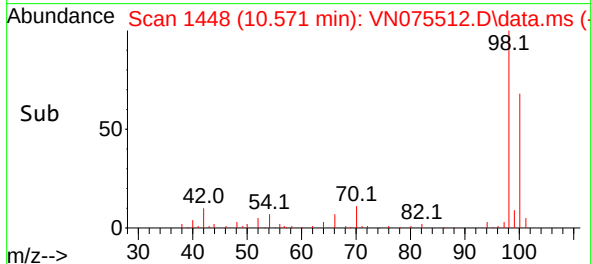
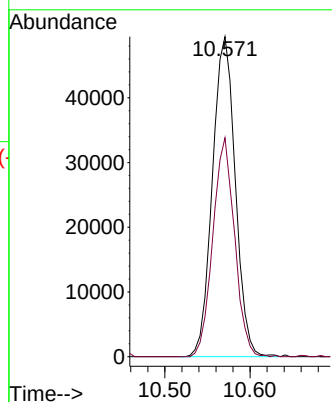
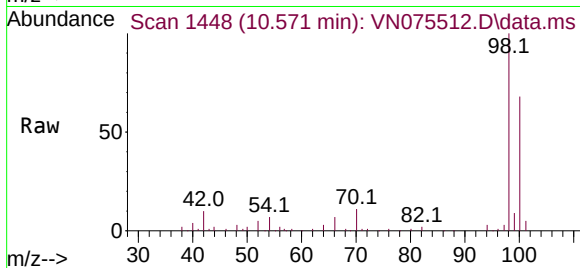
HOWE-DRUM-A-1129

Tgt Ion: 98 Resp: 92374

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.849 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075512.D

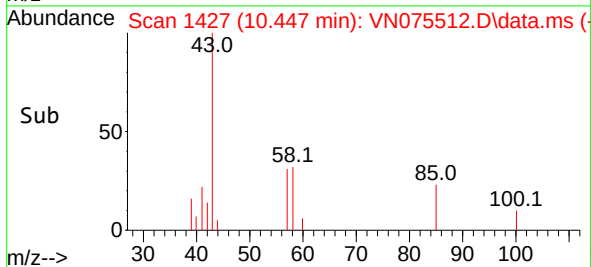
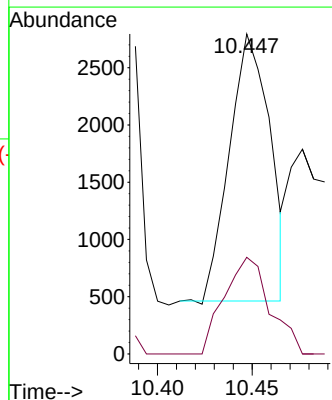
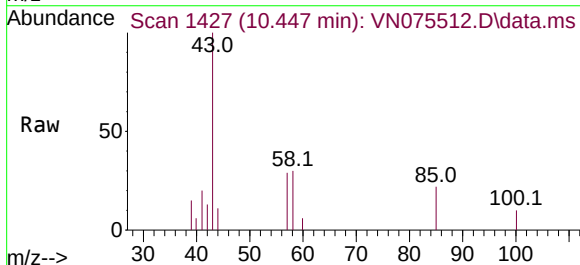
Acq: 30 Nov 2022 19:27

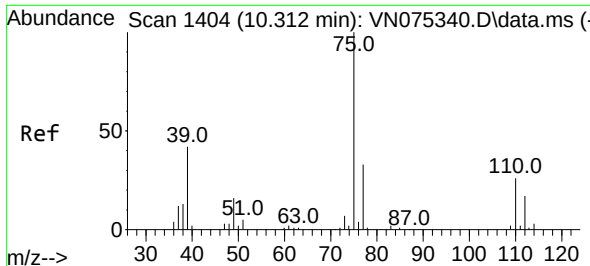
Tgt Ion: 43 Resp: 3469

Ion Ratio Lower Upper

43 100

58 40.8 33.6 50.4

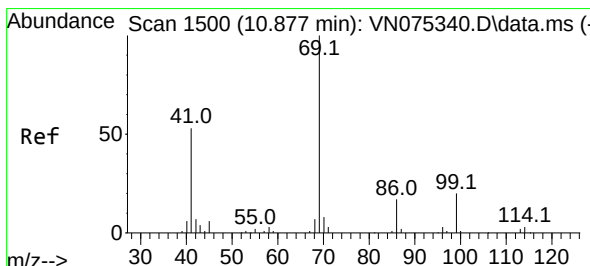
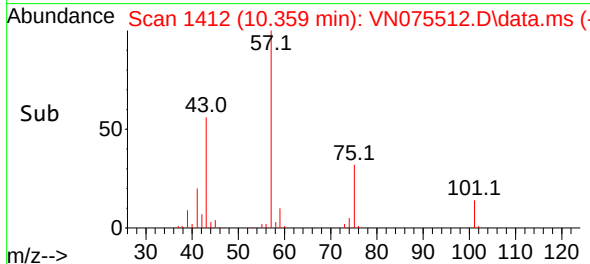
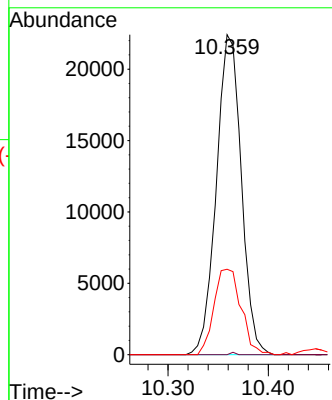
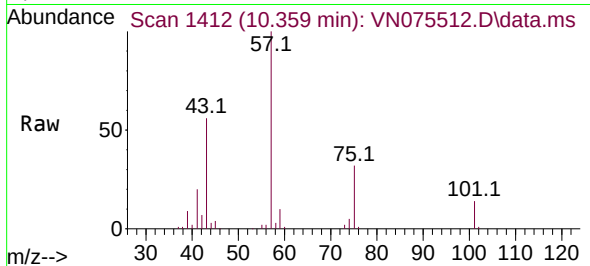




#54
 cis-1,3-Dichloropropene
 Concen: 16.297 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075512.D
 Acq: 30 Nov 2022 19:27

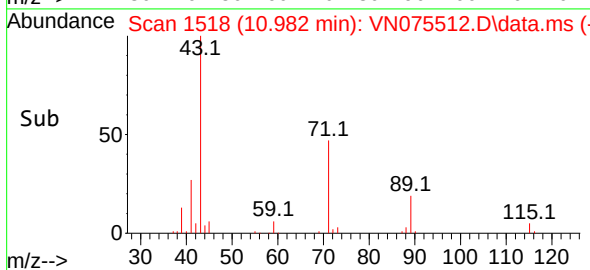
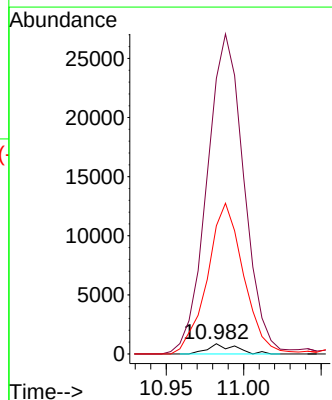
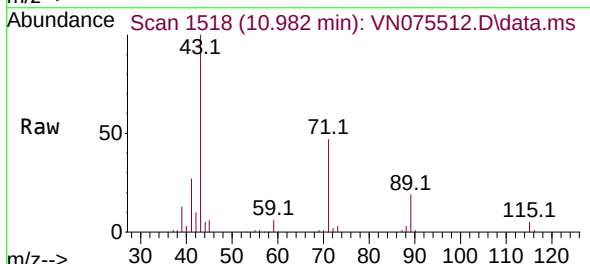
Instrument :
 MSVOA_N
 ClientSampleId :
 HOWE-DRUM-A-1129

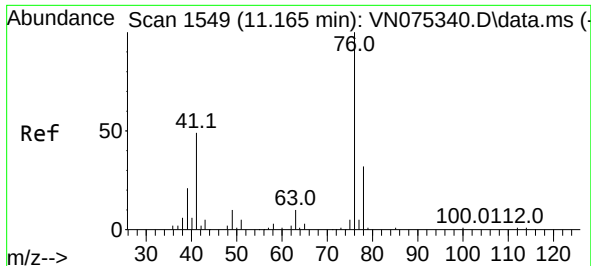
Tgt Ion: 75 Resp: 38712
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 26.7 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.490 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075512.D
 Acq: 30 Nov 2022 19:27

Tgt Ion: 69 Resp: 1084
 Ion Ratio Lower Upper
 69 100
 41 4177.1 45.6 68.4#
 39 1917.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.675 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075512.D

Acq: 30 Nov 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

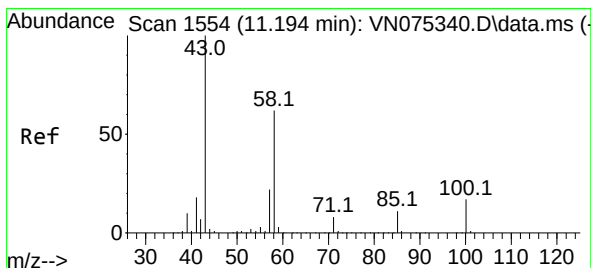
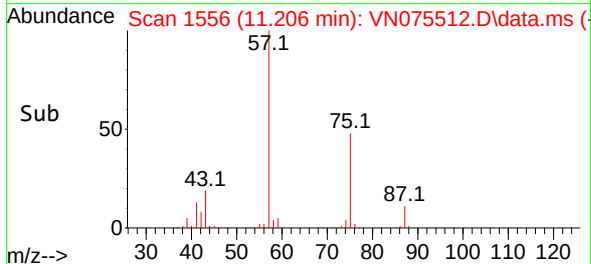
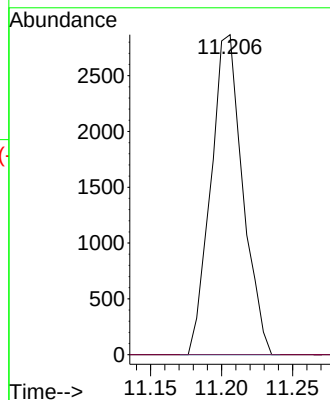
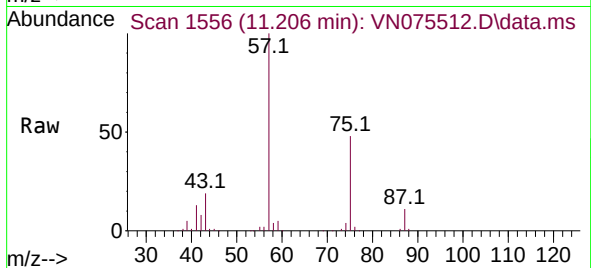
HOWE-DRUM-A-1129

Tgt Ion: 76 Resp: 4474

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 55.257 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.023 min

Lab File: VN075512.D

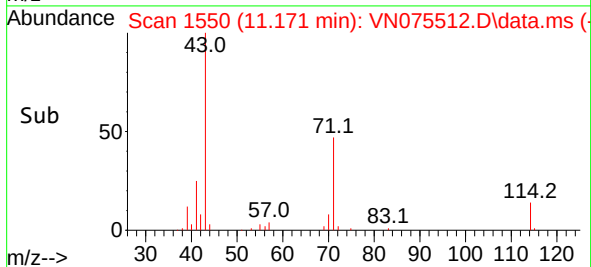
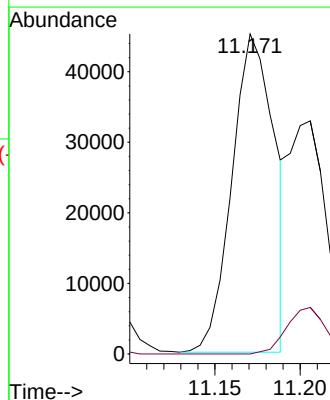
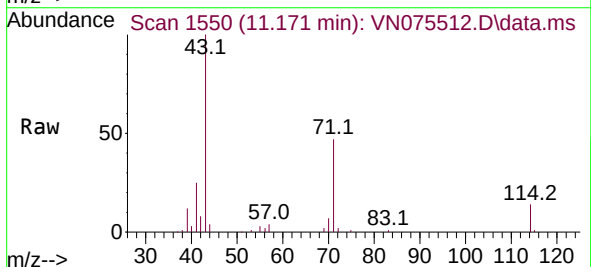
Acq: 30 Nov 2022 19:27

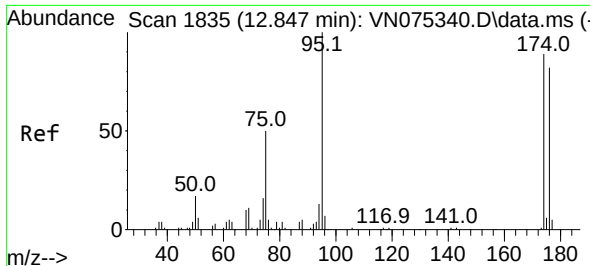
Tgt Ion: 43 Resp: 77861

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

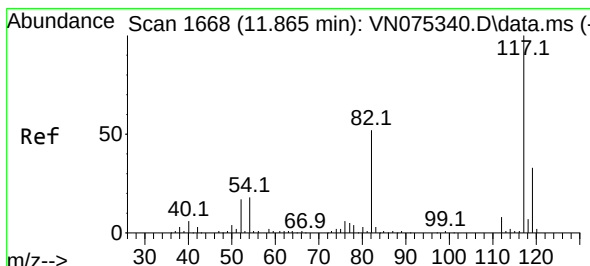
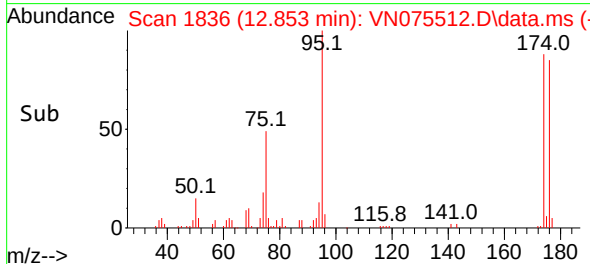
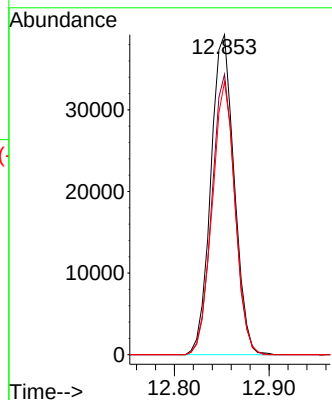
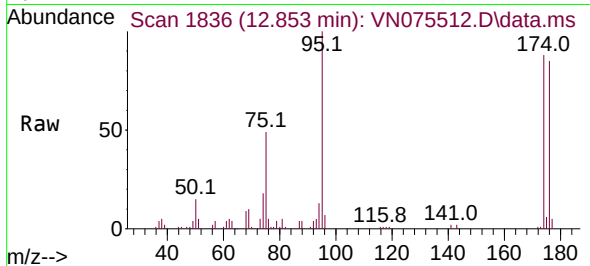




#62
4-Bromofluorobenzene
Concen: 43.227 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

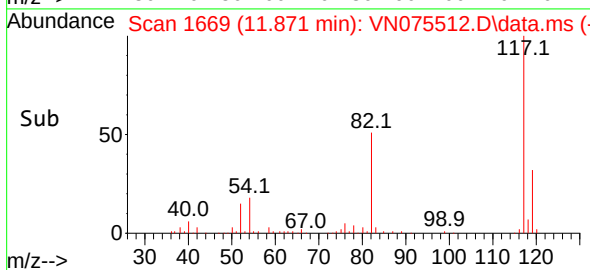
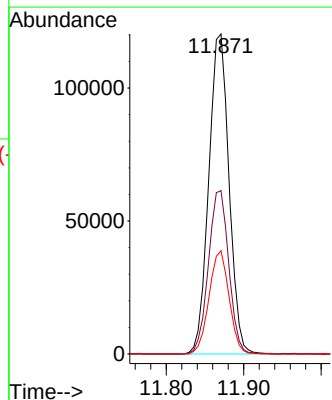
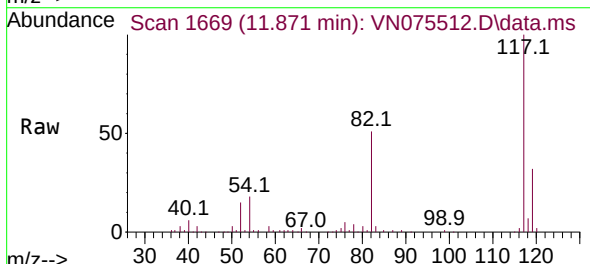
Instrument :
MSVOA_N
ClientSampleId :
HOWE-DRUM-A-1129

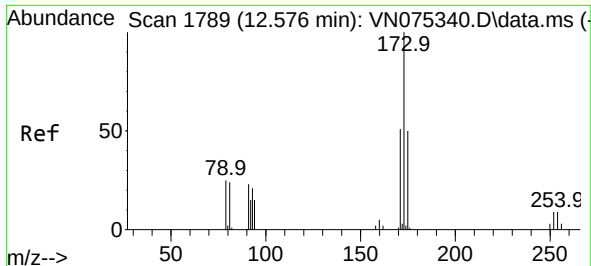
Tgt Ion: 95 Resp: 67173
Ion Ratio Lower Upper
95 100
174 85.7 0.0 147.4
176 83.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion: 117 Resp: 218430
Ion Ratio Lower Upper
117 100
82 51.0 43.1 64.7
119 32.3 25.5 38.3

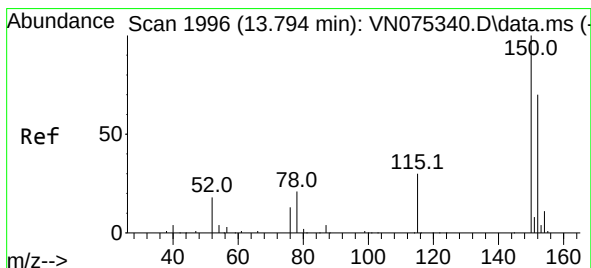
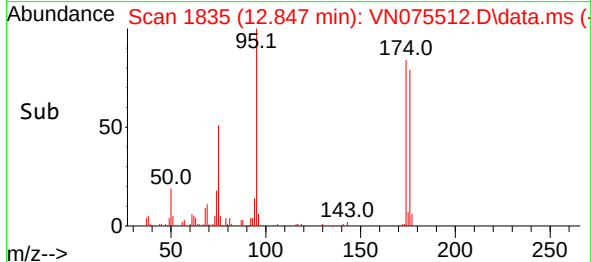
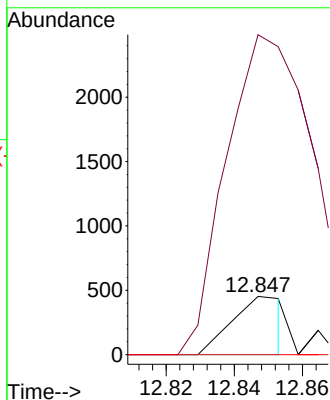
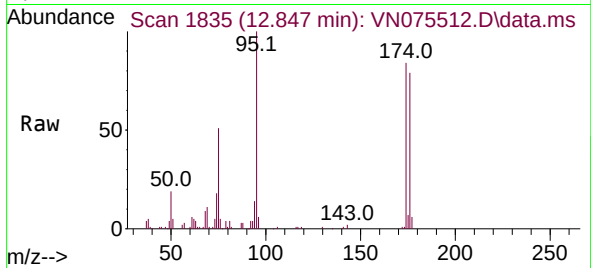




#71
Bromoform
Concen: 0.371 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

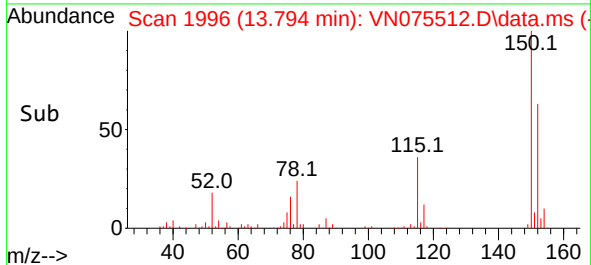
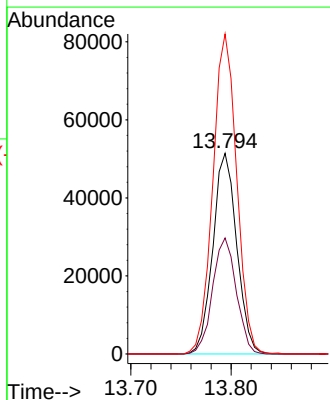
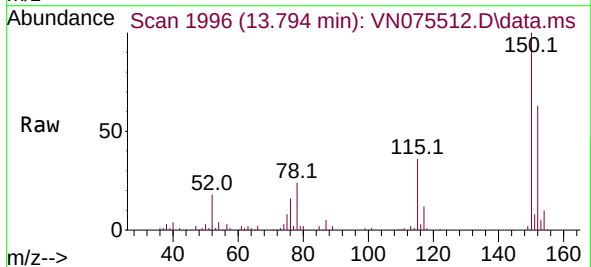
Instrument :
MSVOA_N
ClientSampleId :
HOWE-DRUM-A-1129

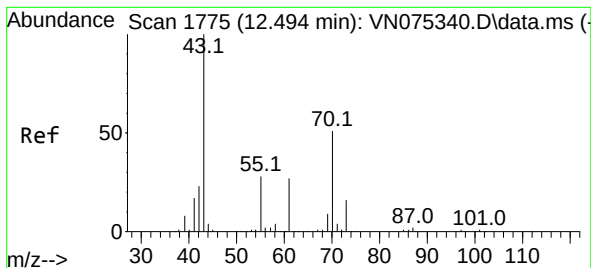
Tgt Ion:173 Resp: 476
Ion Ratio Lower Upper
173 100
175 613.9 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075512.D
Acq: 30 Nov 2022 19:27

Tgt Ion:152 Resp: 85148
Ion Ratio Lower Upper
152 100
115 57.4 30.2 90.6
150 159.2 0.0 348.4





#74

N-amy1 acetate

Concen: 0.317 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN075512.D

Acq: 30 Nov 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

HOWE-DRUM-A-1129

Tgt Ion: 43 Resp: 606

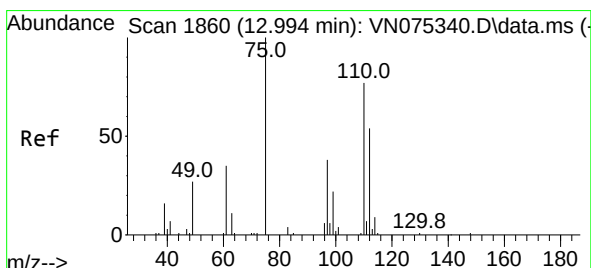
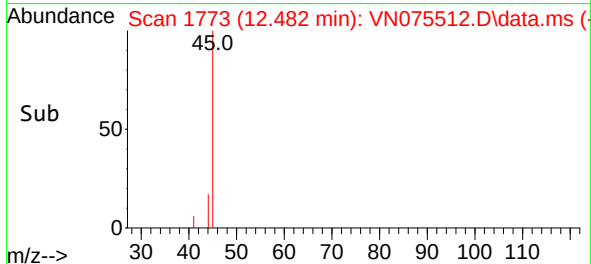
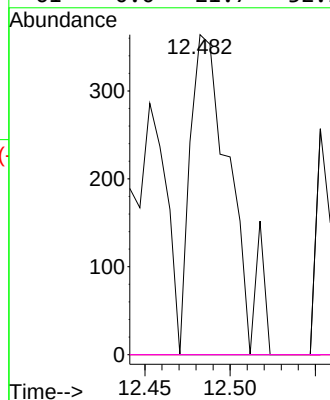
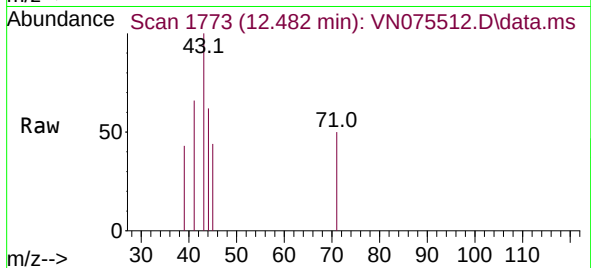
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 20.995 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075512.D

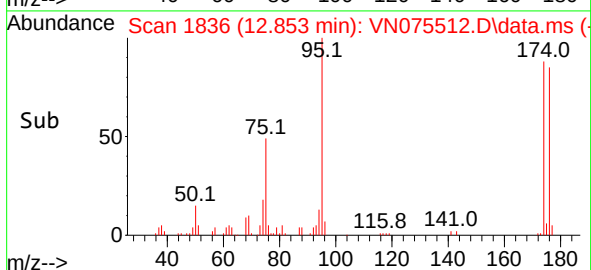
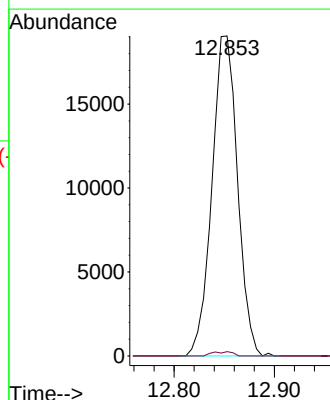
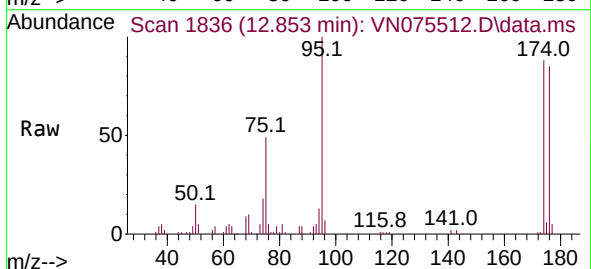
Acq: 30 Nov 2022 19:27

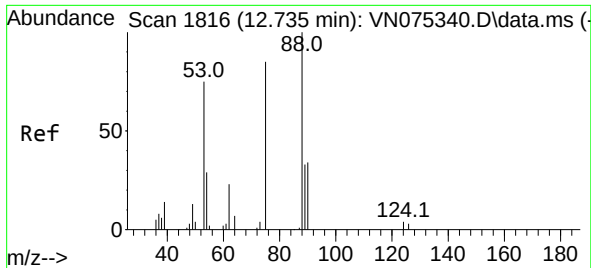
Tgt Ion: 75 Resp: 33800

Ion Ratio Lower Upper

75 100

77 1.1 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.119 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075512.D
 Acq: 30 Nov 2022 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 HOWE-DRUM-A-1129

Tgt Ion: 75 Resp: 33800
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

