

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011668.D
 Acq On : 01 Dec 2022 17:26
 Operator : KP/MD
 Sample : N5809-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 02 03:23:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

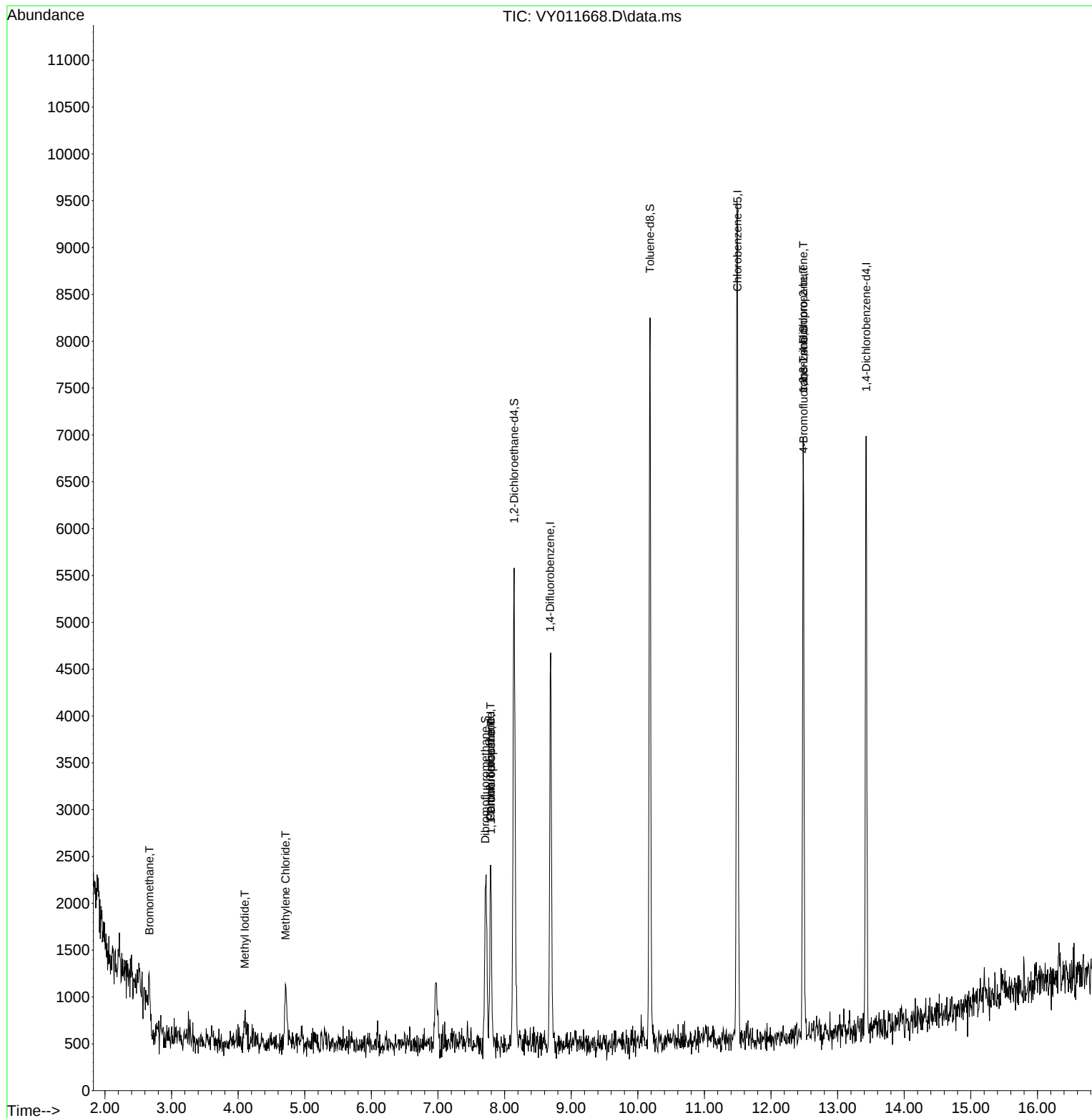
Internal Standards						
1) Pentafluorobenzene	7.789	168	1704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	4254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	6051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4195	242.453	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 484.900%#	
35) Dibromofluoromethane	7.710	113	1443	55.103	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.200%	
50) Toluene-d8	10.185	98	5488	57.670	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.340%	
62) 4-Bromofluorobenzene	12.489	95	2210	62.812	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.620%	
Target Compounds						Qvalue
5) Bromomethane	2.668	94	187	12.178	ug/l #	78
10) Methyl Iodide	4.100	142	447	23.469	ug/l #	57
20) Methylene Chloride	4.710	84	451	13.559	ug/l #	79
36) 1,1-Dichloropropene	7.795	75	84	2.052	ug/l #	42
38) Carbon Tetrachloride	7.789	117	72	1.572	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1223	60.957	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1223	133.517	ug/l #	7

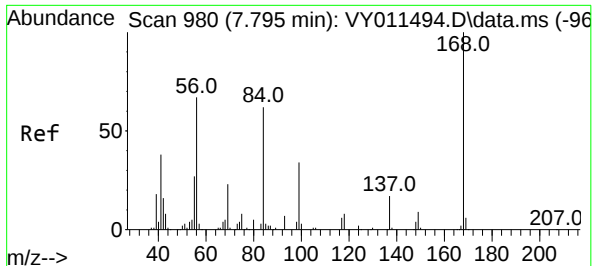
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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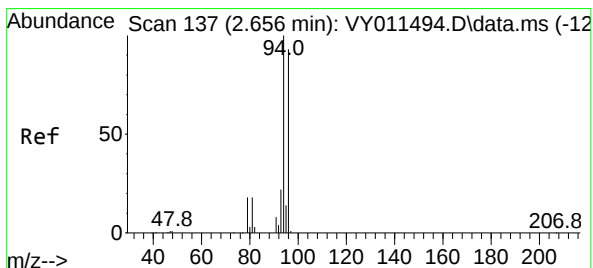
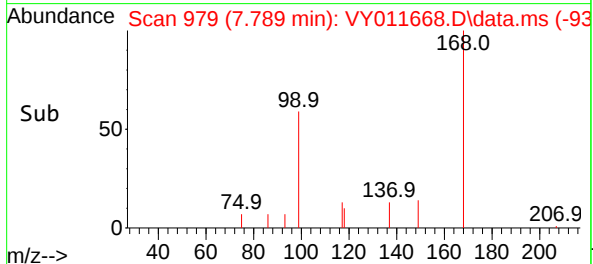
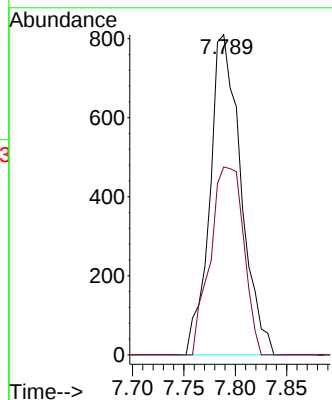
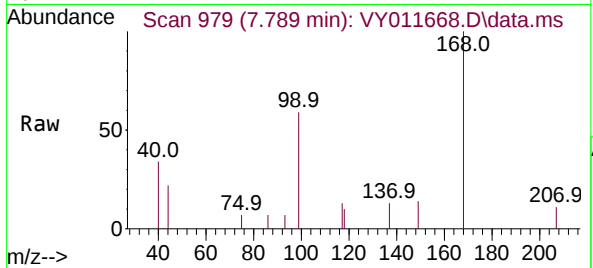




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

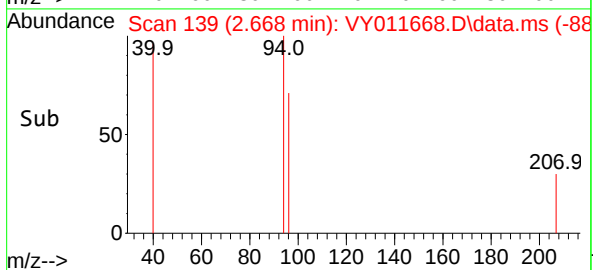
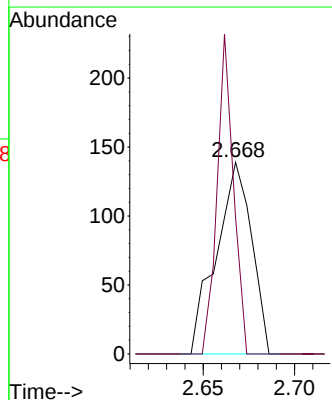
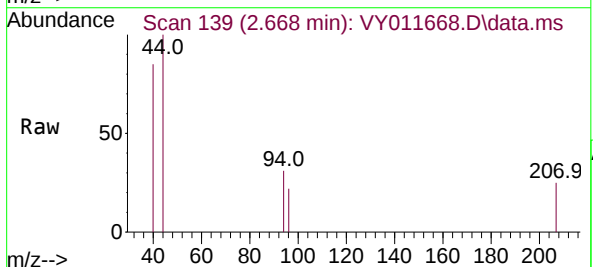
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-A-1129

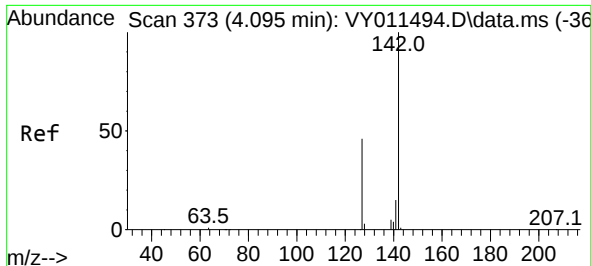
Tgt Ion:168 Resp: 1704
Ion Ratio Lower Upper
168 100
99 58.6 46.9 70.3



#5
Bromomethane
Concen: 12.178 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 71.2 73.5 110.3#

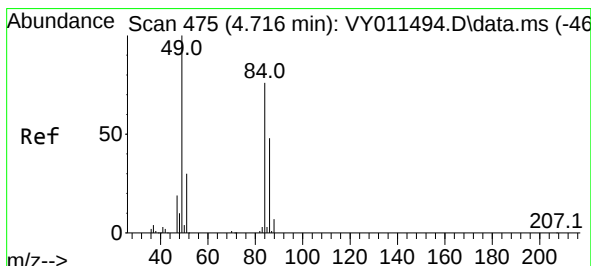
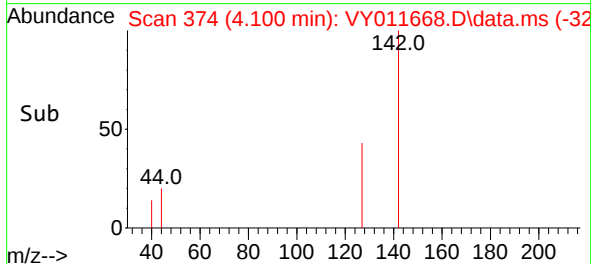
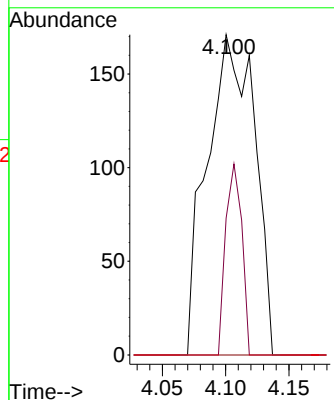
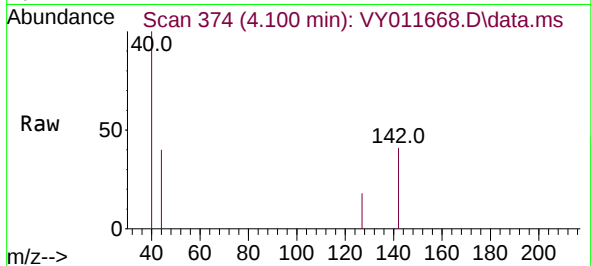




#10
Methyl Iodide
Concen: 23.469 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.005 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

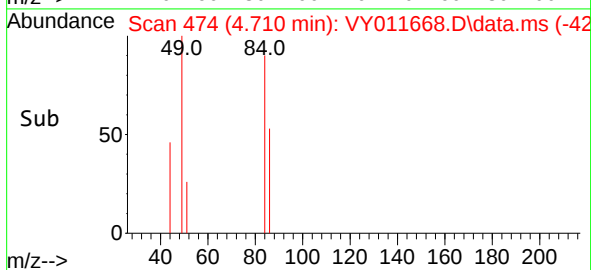
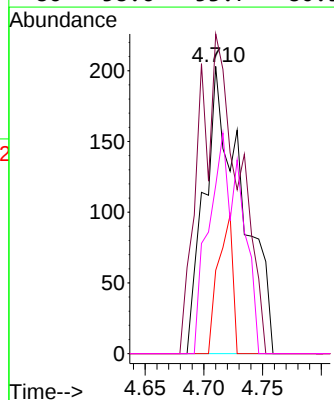
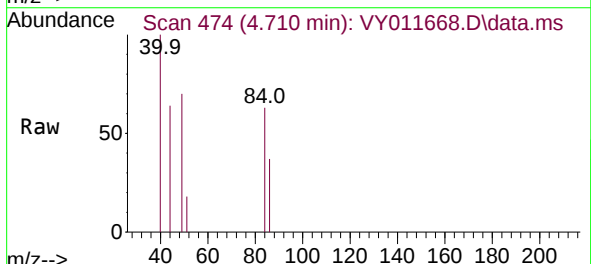
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-A-1129

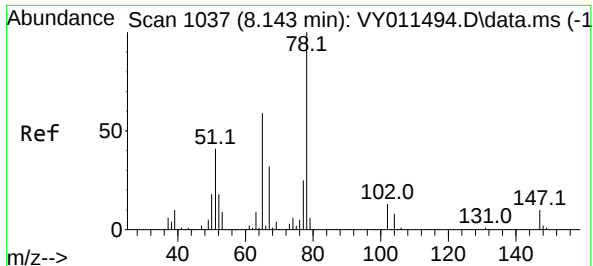
Tgt Ion:142 Resp: 447
Ion Ratio Lower Upper
142 100
127 20.1 41.5 62.3#
141 0.0 11.9 17.9#



#20
Methylene Chloride
Concen: 13.559 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

Tgt Ion: 84 Resp: 451
Ion Ratio Lower Upper
84 100
49 111.3 114.4 171.6#
51 29.1 35.3 52.9#
86 58.6 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 242.453 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011668.D

Acq: 01 Dec 2022 17:26

Instrument :

MSVOA_Y

ClientSampleId :

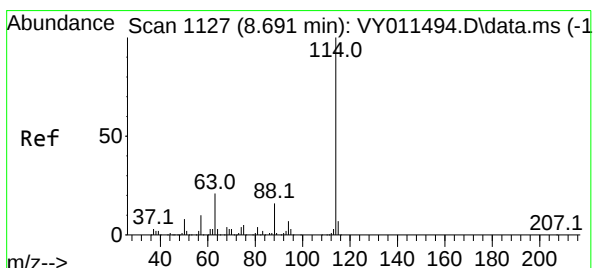
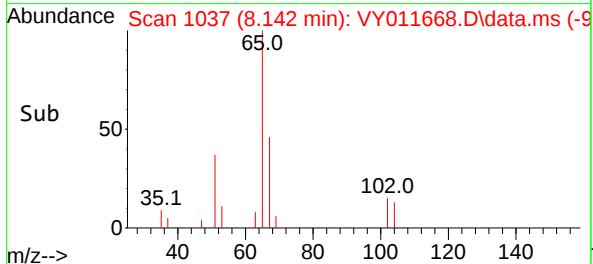
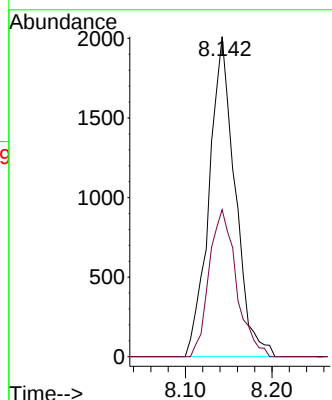
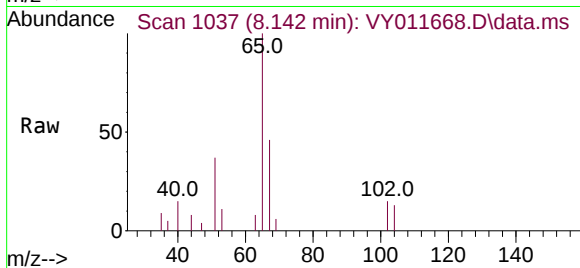
HOWE-DRUM-A-1129

Tgt Ion: 65 Resp: 4195

Ion Ratio Lower Upper

65 100

67 48.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011668.D

Acq: 01 Dec 2022 17:26

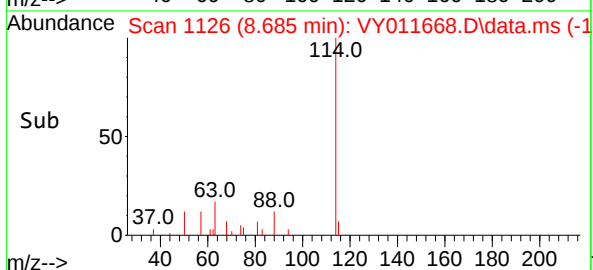
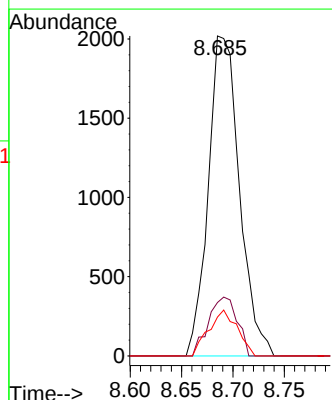
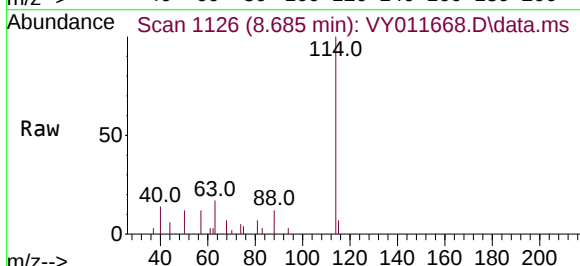
Tgt Ion: 114 Resp: 4254

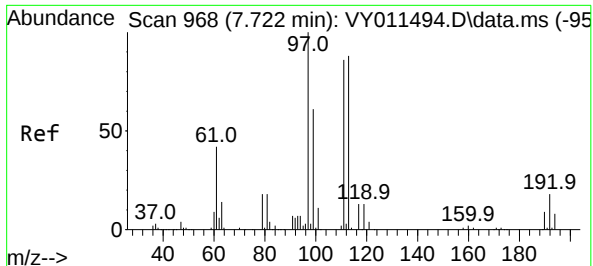
Ion Ratio Lower Upper

114 100

63 16.7 0.0 43.2

88 12.1 0.0 31.8

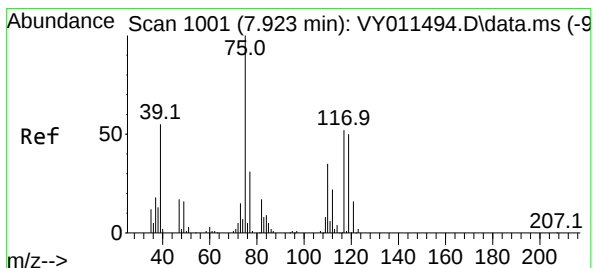
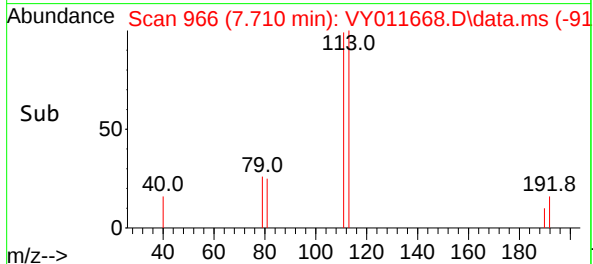
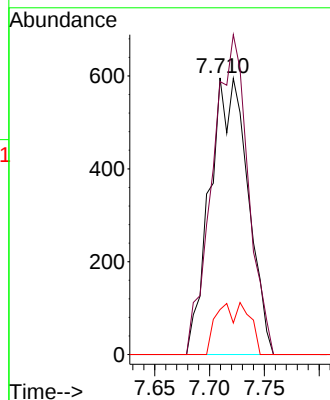
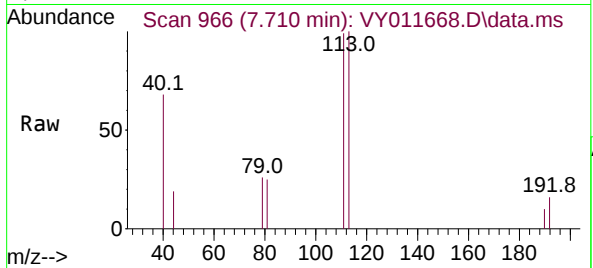




#35
Dibromofluoromethane
Concen: 55.103 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

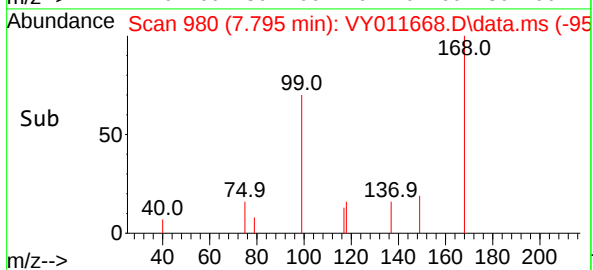
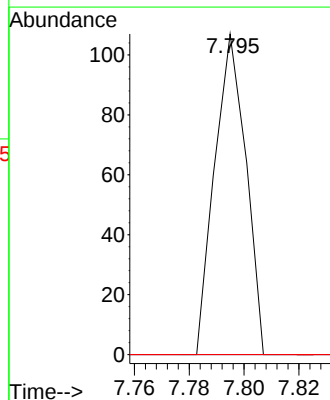
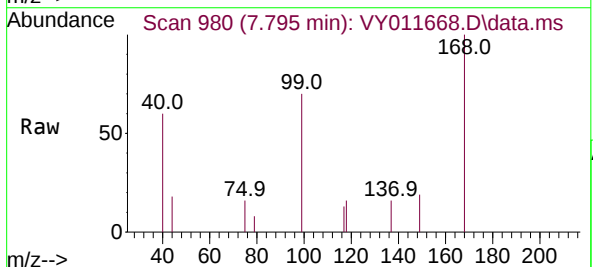
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-A-1129

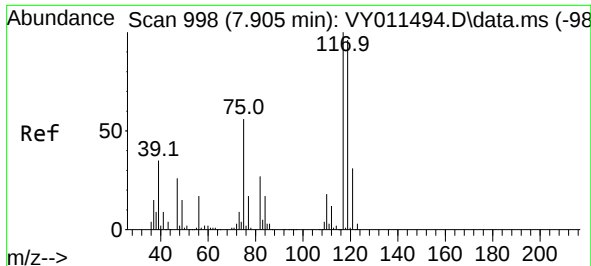
Tgt Ion:113 Resp: 1443
Ion Ratio Lower Upper
113 100
111 108.0 82.6 124.0
192 8.9 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 2.052 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

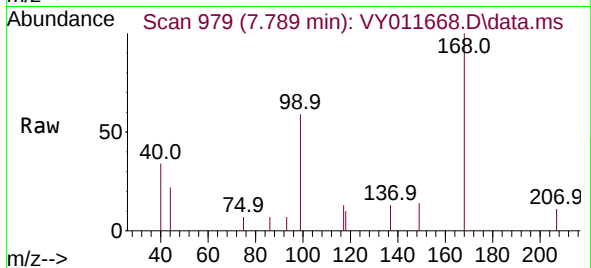
Tgt Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



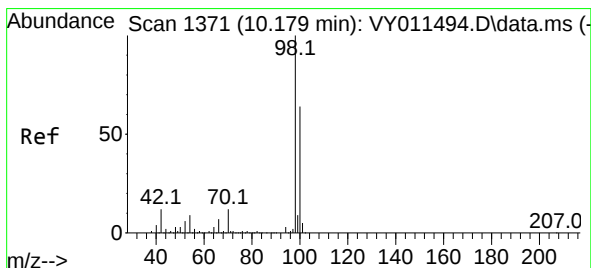
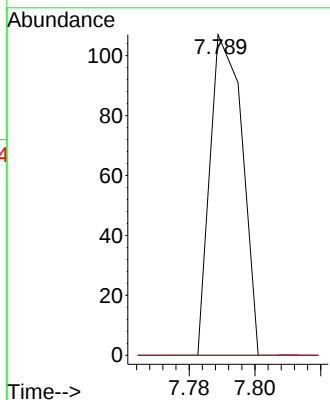
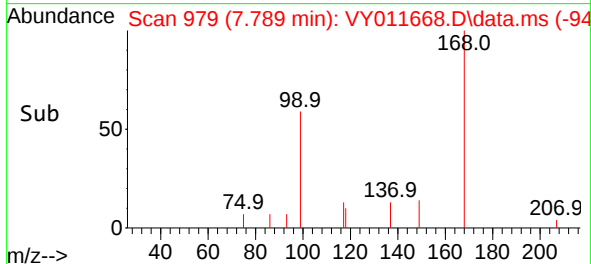


#38
Carbon Tetrachloride
Concen: 1.572 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

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

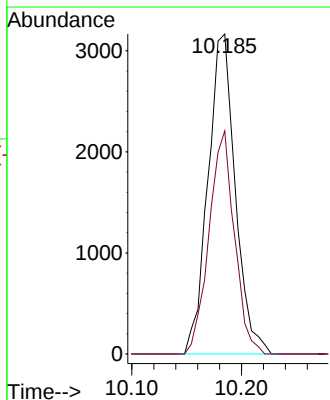
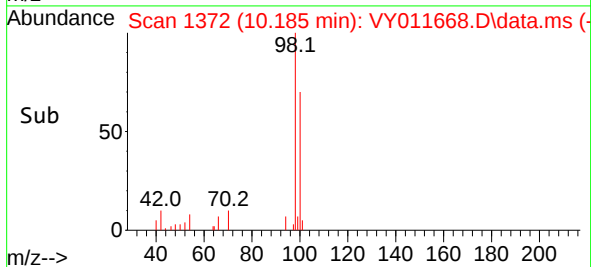
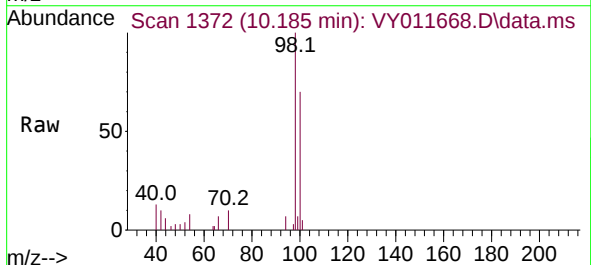


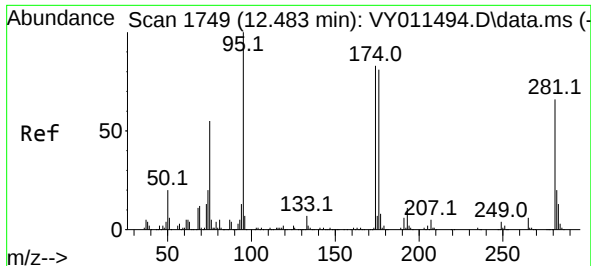
Tgt Ion:117 Resp: 72
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.670 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

Tgt Ion: 98 Resp: 5488
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 62.812 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY011668.D

Acq: 01 Dec 2022 17:26

Instrument :

MSVOA_Y

ClientSampleId :

HOWE-DRUM-A-1129

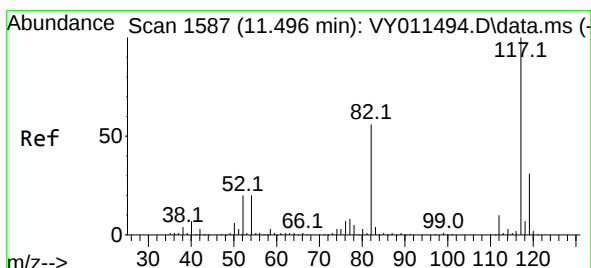
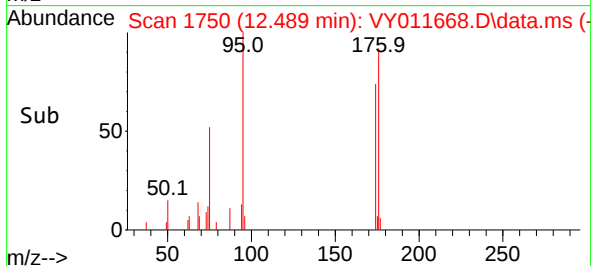
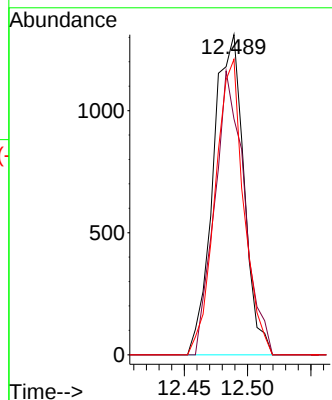
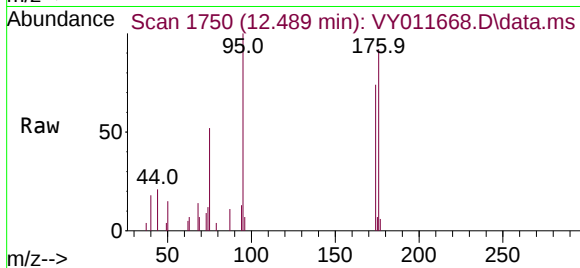
Tgt Ion: 95 Resp: 2210

Ion Ratio Lower Upper

95 100

174 85.6 0.0 177.0

176 86.1 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 1587

Delta R.T. -0.001 min

Lab File: VY011668.D

Acq: 01 Dec 2022 17:26

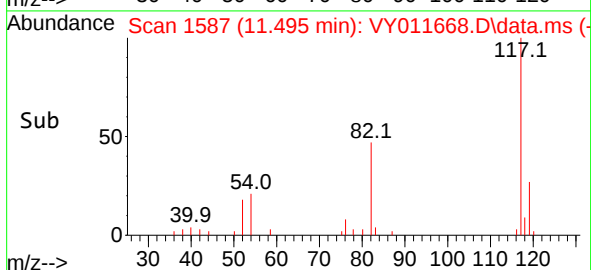
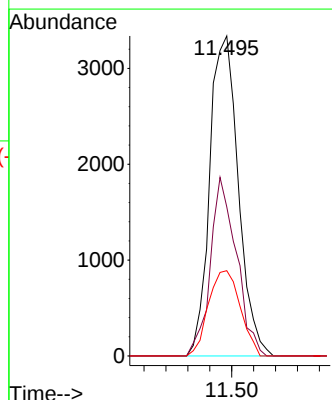
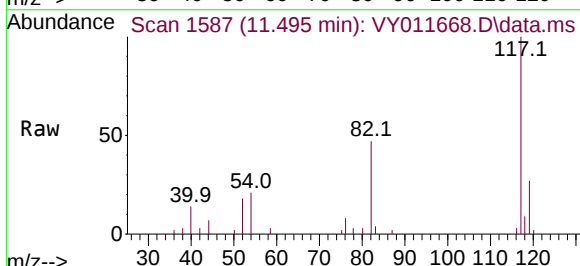
Tgt Ion: 117 Resp: 6051

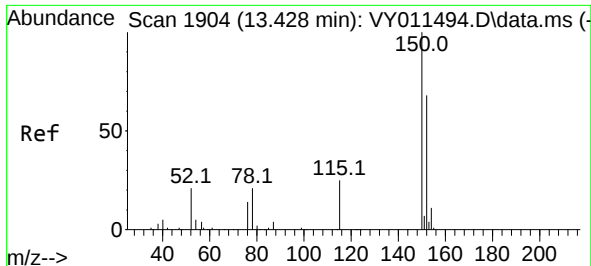
Ion Ratio Lower Upper

117 100

82 46.6 43.0 64.4

119 26.7 25.4 38.0

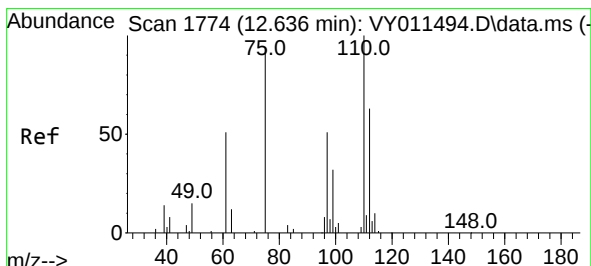
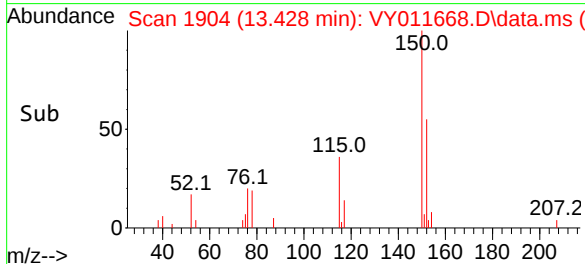
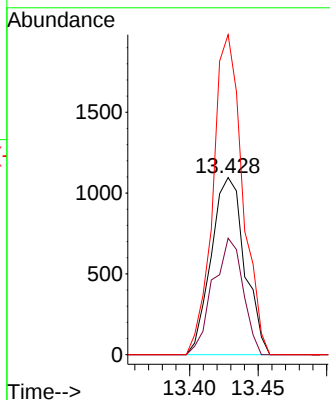
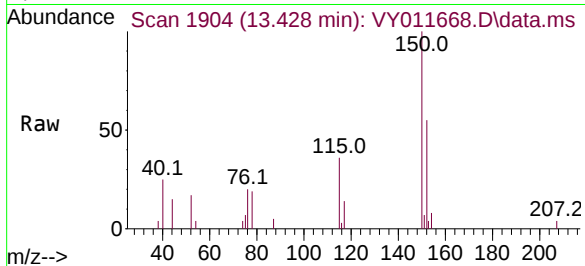




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

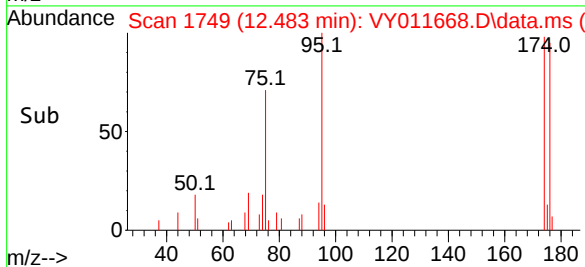
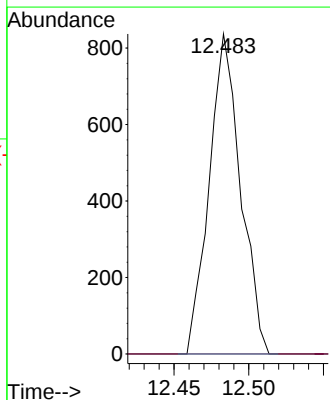
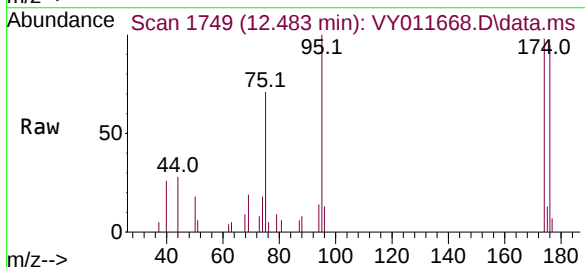
Instrument :
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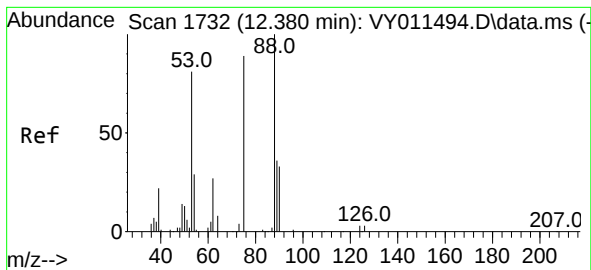
Tgt Ion:152 Resp: 1863
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 160.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 60.957 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011668.D
Acq: 01 Dec 2022 17:26

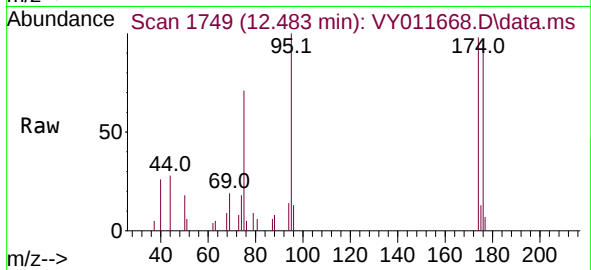
Tgt Ion: 75 Resp: 1223
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.517 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011668.D
 Acq: 01 Dec 2022 17:26

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



Tgt Ion: 75 Resp: 1223
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

