

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076852.D
 Acq On : 28 Jul 2023 13:58
 Operator : KP/SY
 Sample : 03770-07
 Misc : 4.94G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HOWE-1-LP

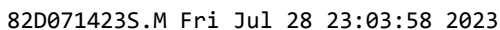
Quant Time: Jul 28 23:03:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

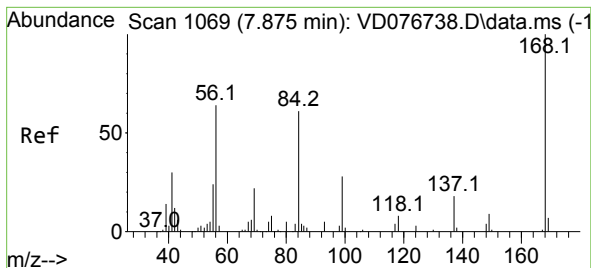
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	179207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	339763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90425	50.659	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.320%	
35) Dibromofluoromethane	7.799	113	108149	50.653	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.300%	
50) Toluene-d8	10.269	98	412623	54.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.040%	
62) 4-Bromofluorobenzene	12.569	95	116523	47.158	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.320%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	451	1.058	ug/l #	32
20) Methylene Chloride	4.793	84	18903	Below Cal		96
31) Cyclohexane	7.875	56	3701	1.409	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	13614	4.880	ug/l #	50
38) Carbon Tetrachloride	7.869	117	18890	7.071	ug/l #	15
51) 4-Methyl-2-Pentanone	10.263	43	1452	1.120	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	60653	47.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	60653	100.233	ug/l #	17

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

Quant Time: Jul 28 23:03:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076852.D

Acq: 28 Jul 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

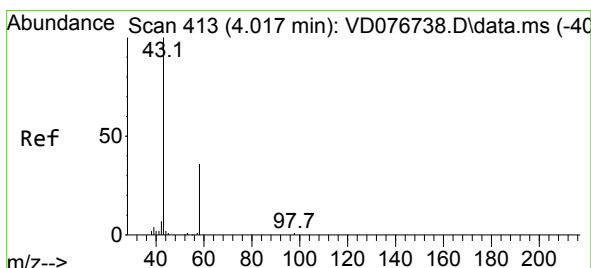
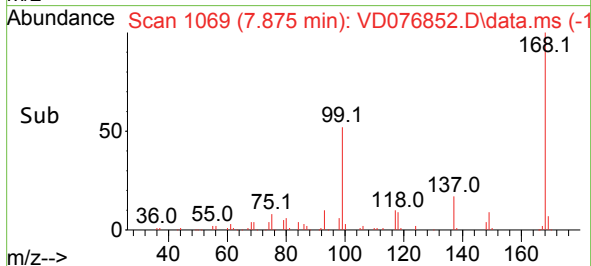
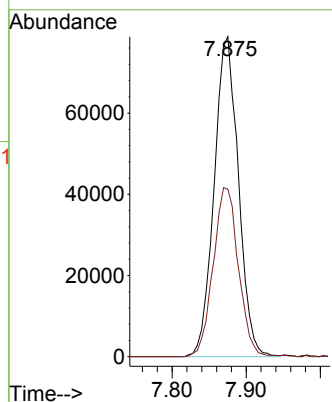
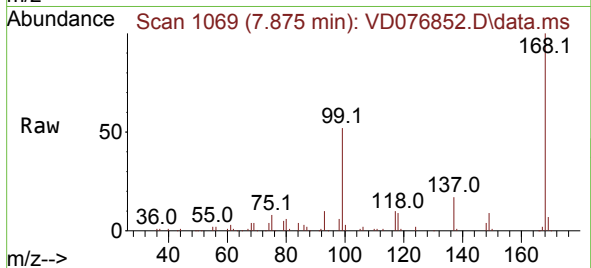
HOWE-1-LP

Tgt Ion:168 Resp: 179207

Ion Ratio Lower Upper

168 100

99 52.3 36.7 55.1



#16

Acetone

Concen: 1.058 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.005 min

Lab File: VD076852.D

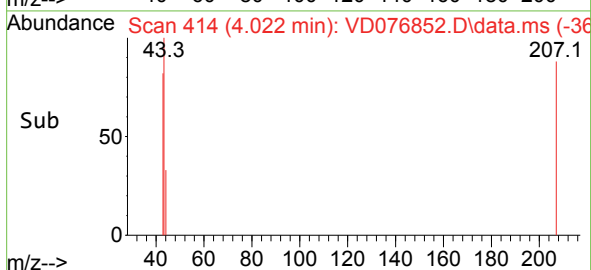
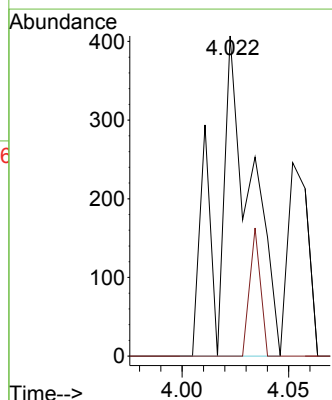
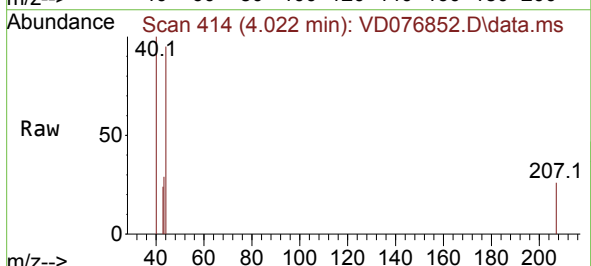
Acq: 28 Jul 2023 13:58

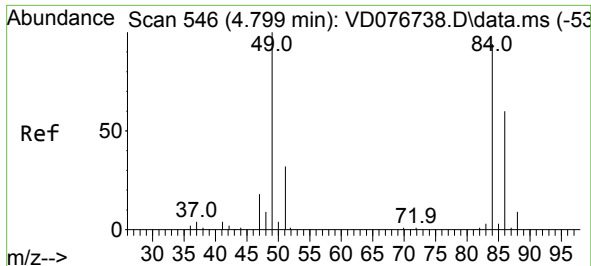
Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#

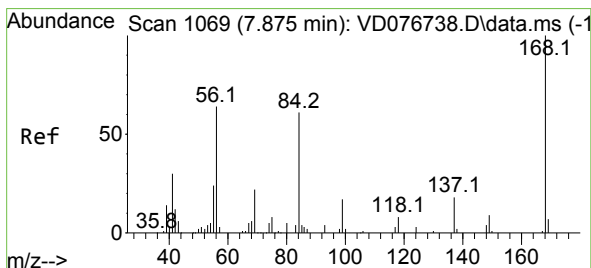
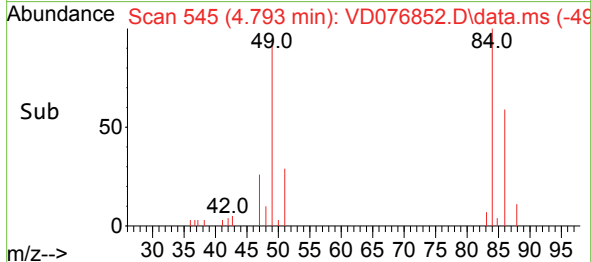
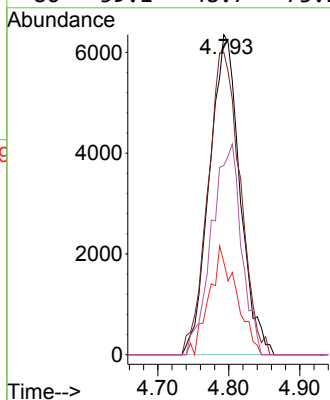
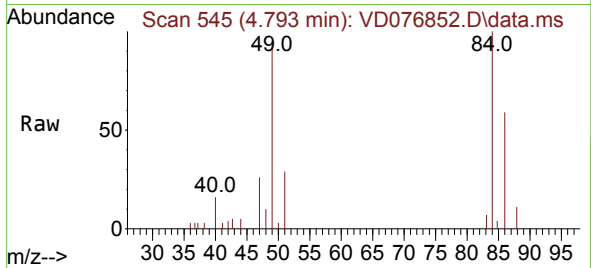




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

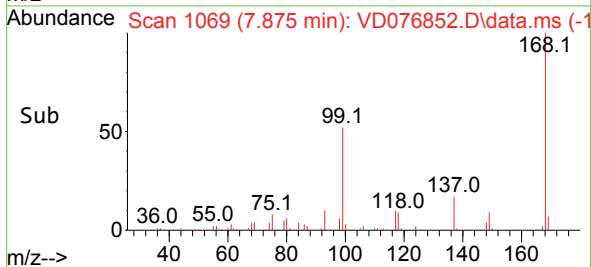
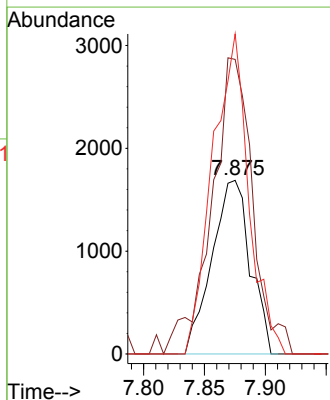
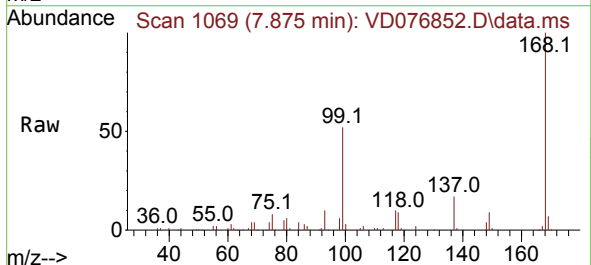
Instrument :
MSVOA_D
ClientSampleId :
HOWE-1-LP

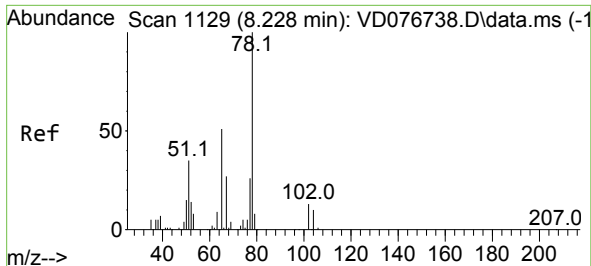
Tgt Ion: 84	Resp: 18903
Ion Ratio	Lower Upper
84 100	
49 94.6	71.4 107.2
51 28.9	24.5 36.7
86 59.1	48.7 73.1



#31
Cyclohexane
Concen: 1.409 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

Tgt Ion: 56	Resp: 3701
Ion Ratio	Lower Upper
56 100	
69 152.2	28.6 43.0#
84 184.3	84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 50.659 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076852.D

Acq: 28 Jul 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

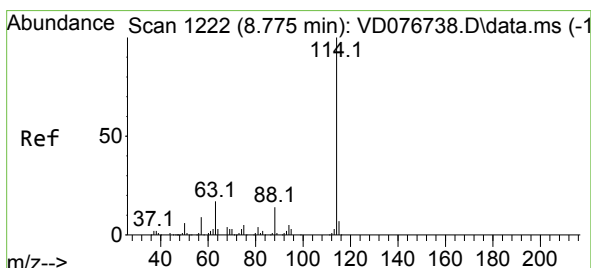
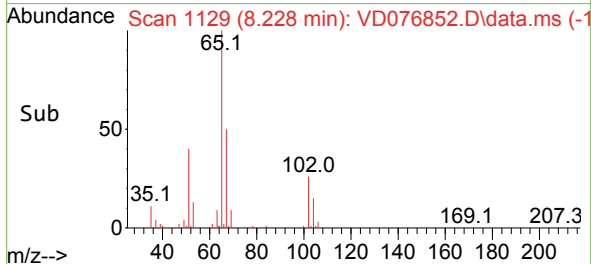
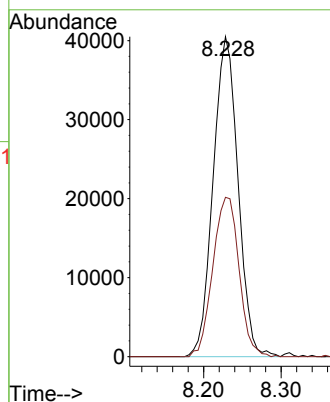
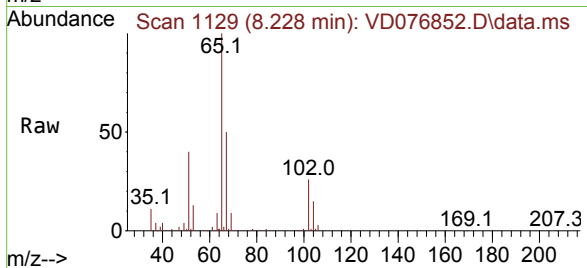
HOWE-1-LP

Tgt Ion: 65 Resp: 90425

Ion Ratio Lower Upper

65 100

67 52.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076852.D

Acq: 28 Jul 2023 13:58

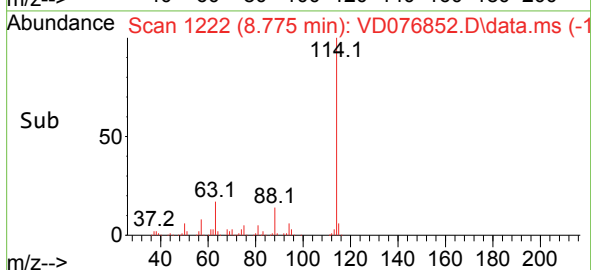
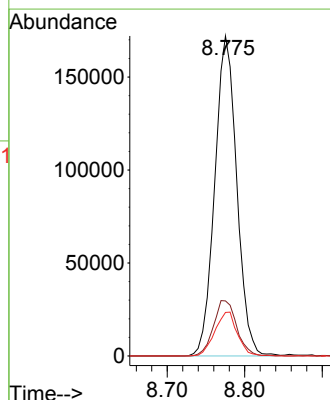
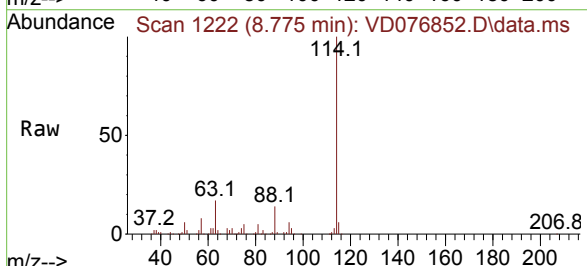
Tgt Ion: 114 Resp: 339763

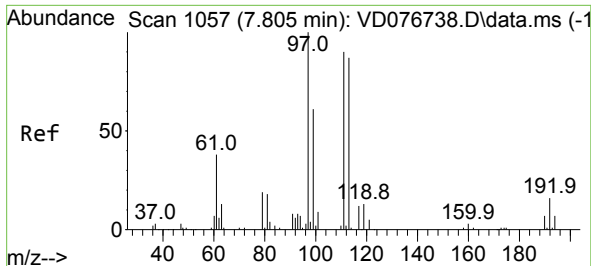
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

88 13.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.653 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076852.D

Acq: 28 Jul 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

HOWE-1-LP

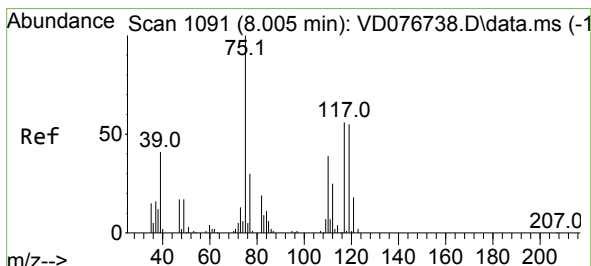
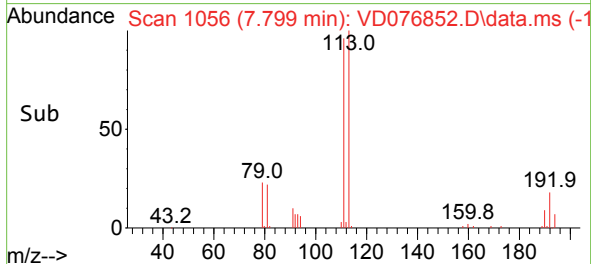
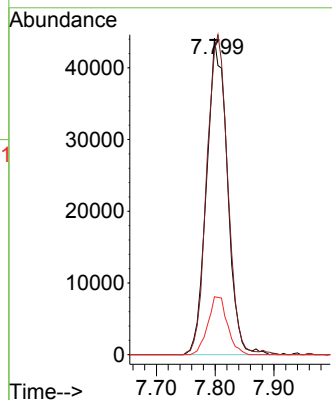
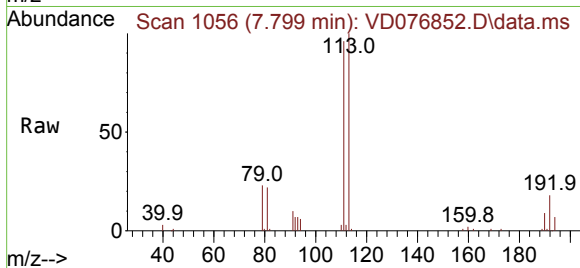
Tgt Ion:113 Resp: 108149

Ion Ratio Lower Upper

113 100

111 101.5 84.7 127.1

192 17.3 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076852.D

Acq: 28 Jul 2023 13:58

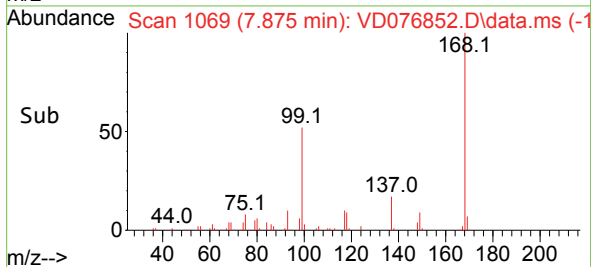
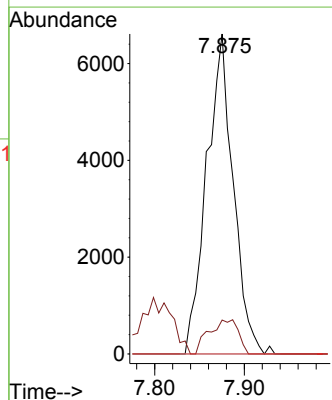
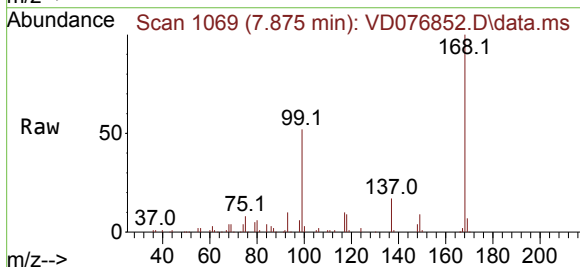
Tgt Ion: 75 Resp: 13614

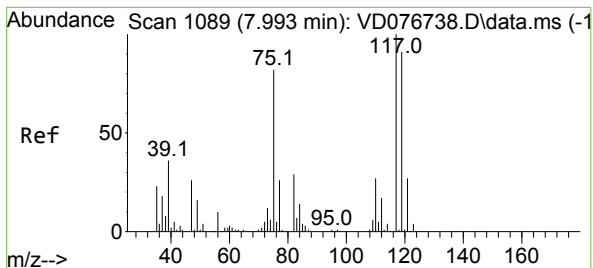
Ion Ratio Lower Upper

75 100

110 11.7 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.071 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076852.D

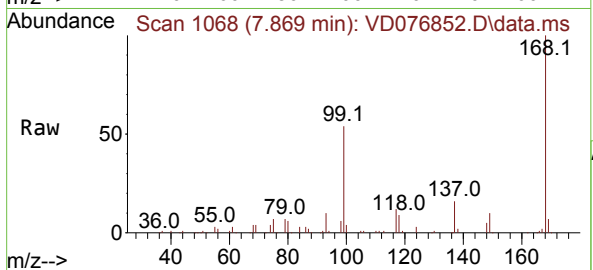
Acq: 28 Jul 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

HOWE-1-LP



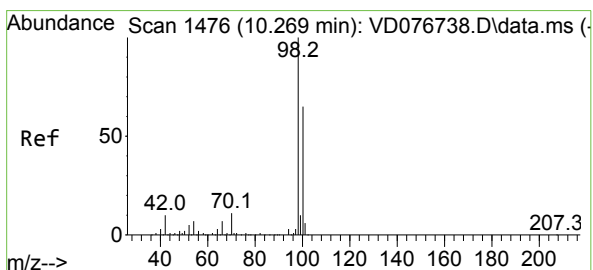
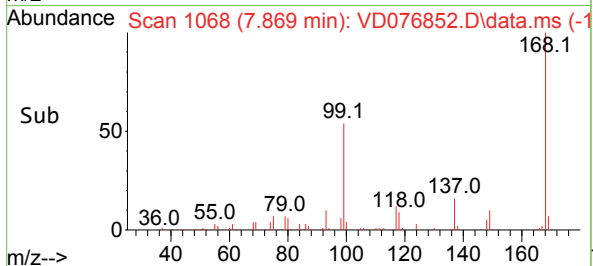
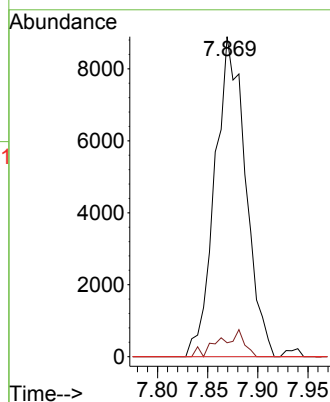
Tgt Ion:117 Resp: 18890

Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.022 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076852.D

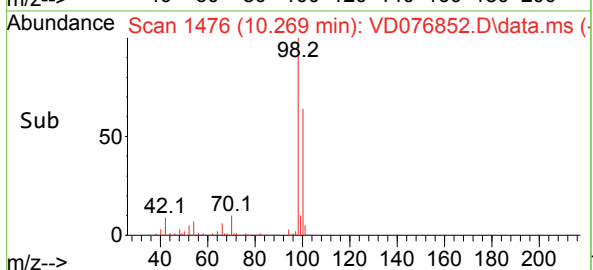
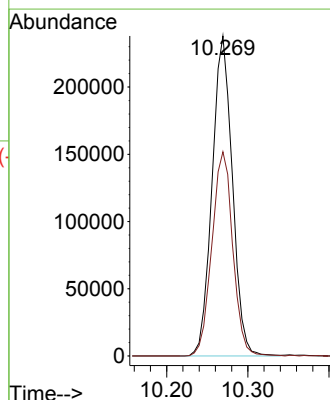
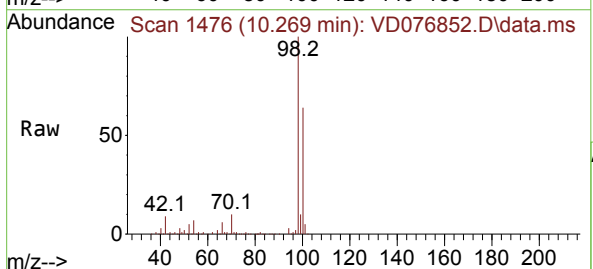
Acq: 28 Jul 2023 13:58

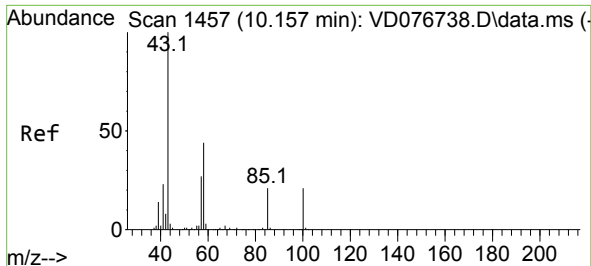
Tgt Ion: 98 Resp: 412623

Ion Ratio Lower Upper

98 100

100 65.7 50.3 75.5

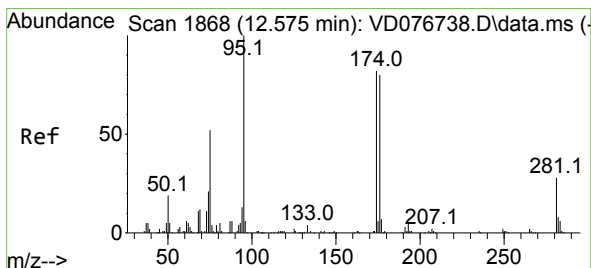
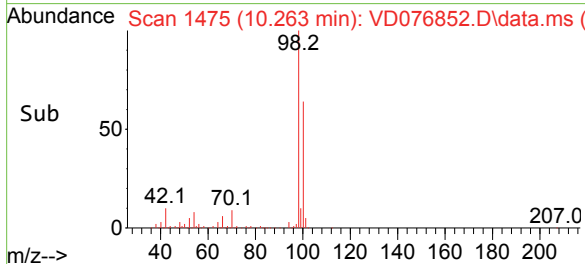
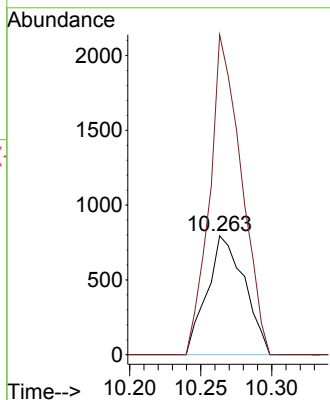
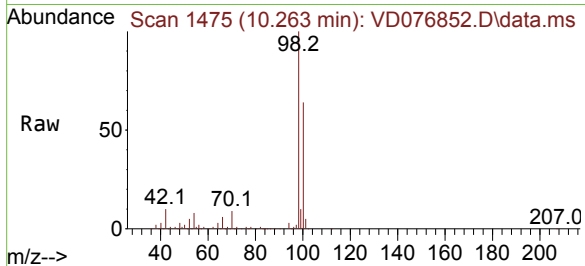




#51
4-Methyl-2-Pentanone
Concen: 1.120 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

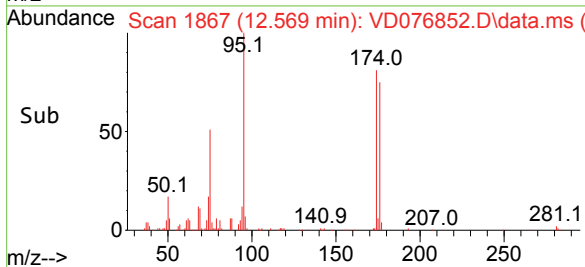
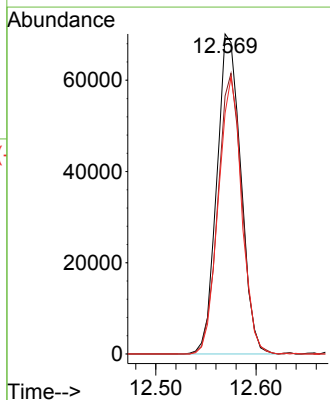
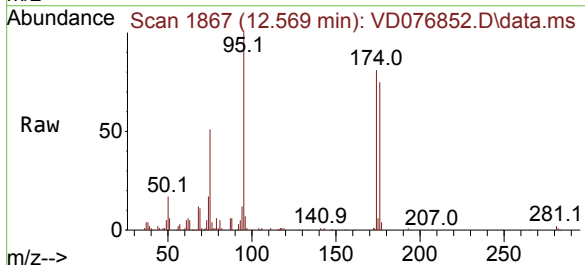
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HOWE-1-LP

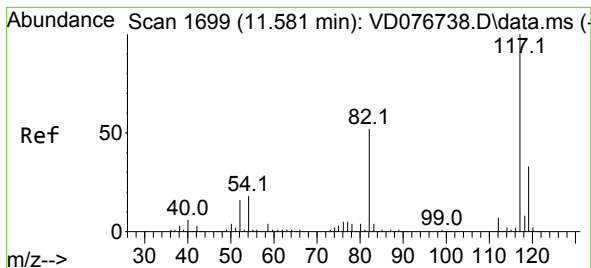
Tgt Ion: 43 Resp: 1452
Ion Ratio Lower Upper
43 100
58 229.3 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 47.158 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

Tgt Ion: 95 Resp: 116523
Ion Ratio Lower Upper
95 100
174 87.3 0.0 201.8
176 84.3 0.0 191.8

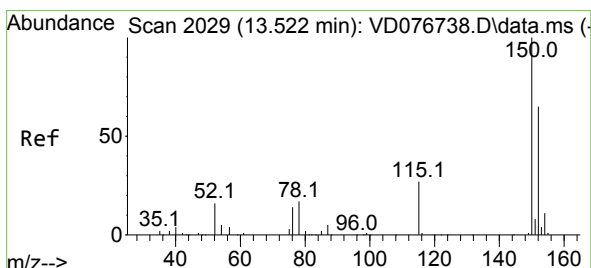
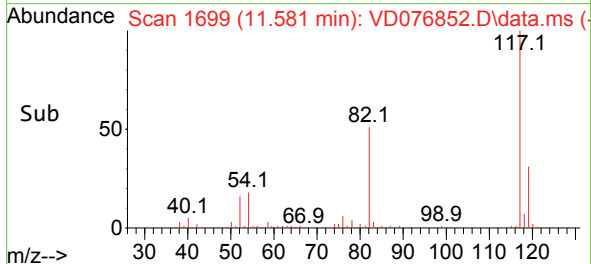
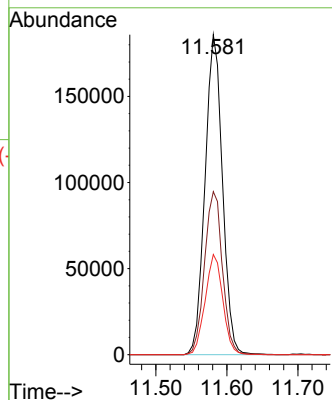
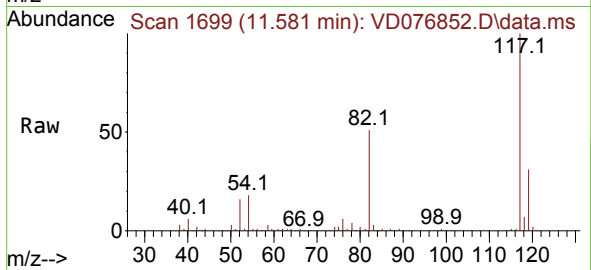




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

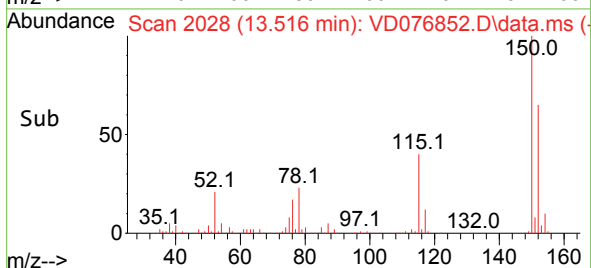
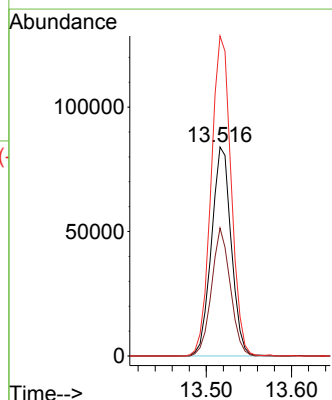
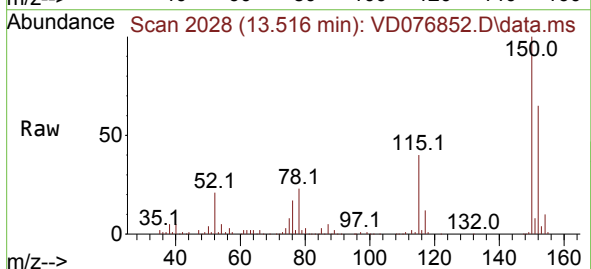
Instrument :
MSVOA_D
ClientSampleId :
HOWE-1-LP

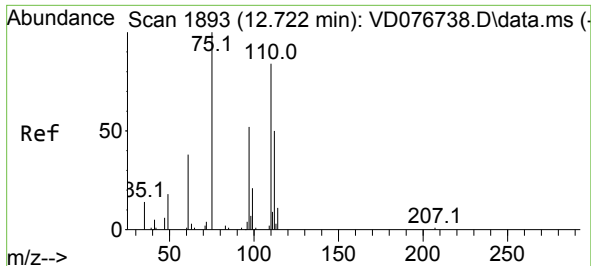
Tgt Ion:117 Resp: 317048
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 31.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

Tgt Ion:152 Resp: 135422
Ion Ratio Lower Upper
152 100
115 58.1 27.1 81.3
150 154.8 0.0 353.6

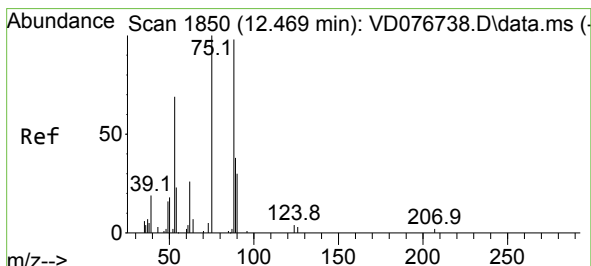
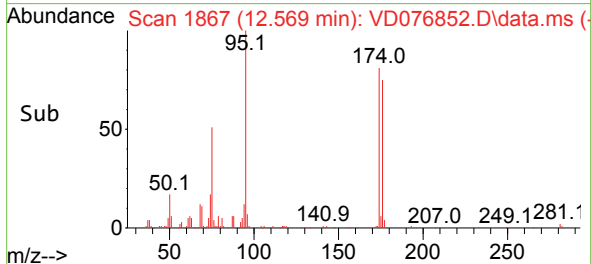
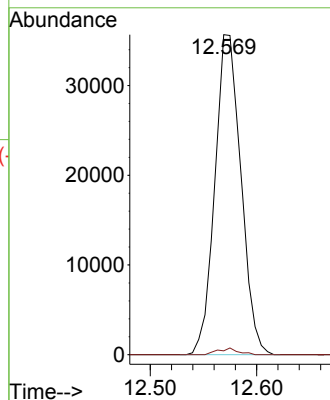
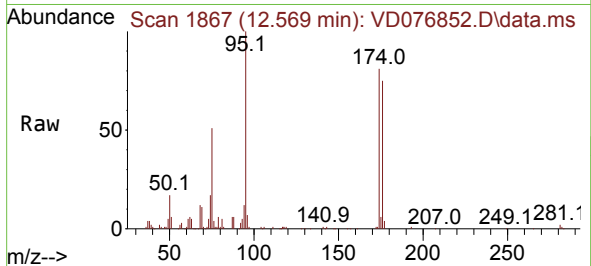




#76
1,2,3-Trichloropropane
Concen: 47.096 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :
HOWE-1-LP

Tgt Ion: 75 Resp: 60653
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.233 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076852.D
Acq: 28 Jul 2023 13:58

Tgt Ion: 75 Resp: 60653
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#

