

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032824\
 Data File : VD078784.D
 Acq On : 28 Mar 2024 19:42
 Operator : RP/MD
 Sample : P1879-10
 Misc : 4.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HS-02(0-6)

Quant Time: Mar 29 01:38:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

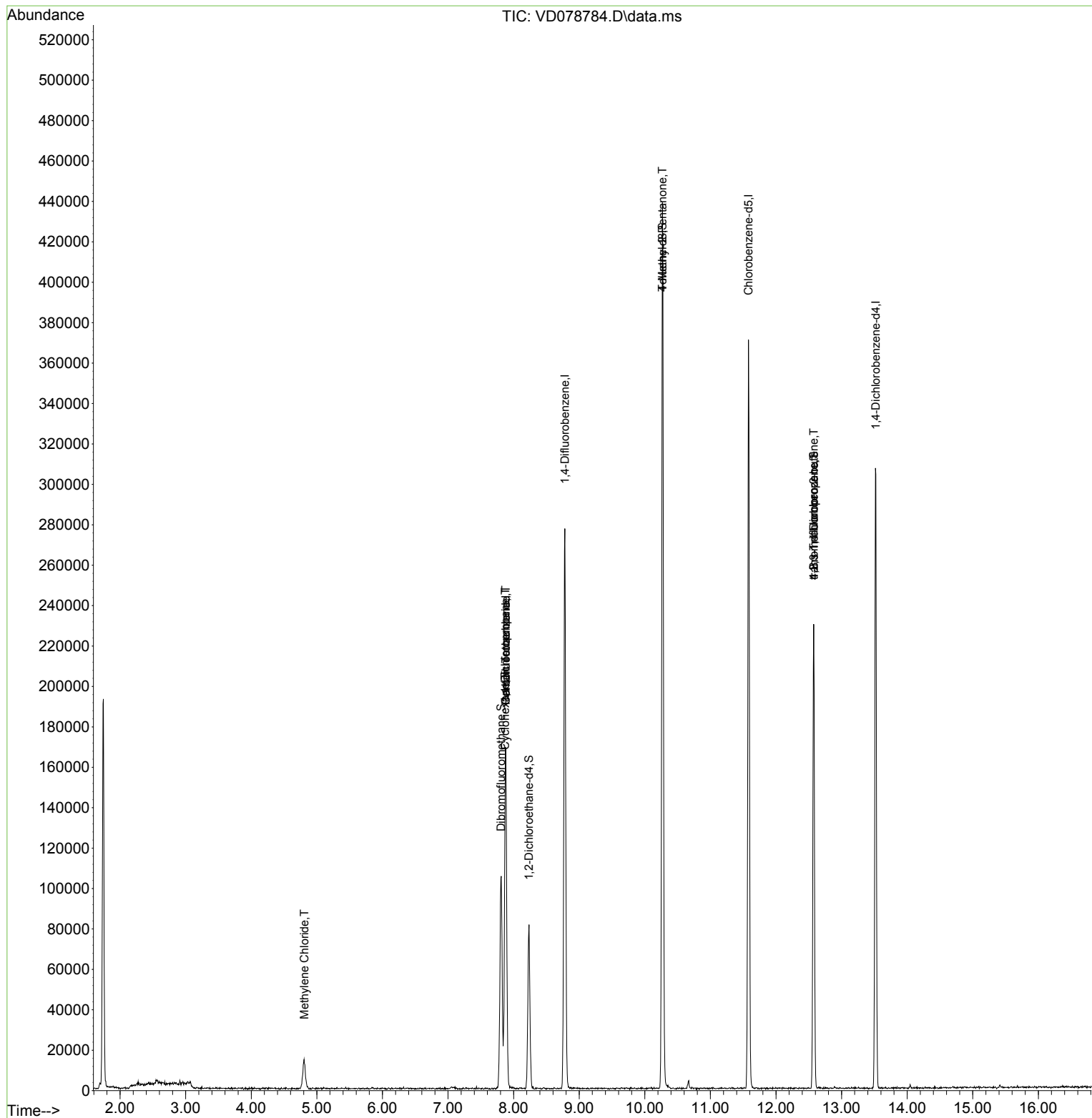
Internal Standards						
1) Pentafluorobenzene	7.881	168	135401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	255938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	222216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	84778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59821	47.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.280%
35) Dibromofluoromethane	7.811	113	78607	47.703	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.400%
50) Toluene-d8	10.269	98	309825	51.124	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.575	95	68079	38.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.800%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.811	84	10897	1.820	ug/l #	86
31) Cyclohexane	7.869	56	2790	1.308	ug/l #	52
36) 1,1-Dichloropropene	7.875	75	10358	4.332	ug/l #	48
38) Carbon Tetrachloride	7.881	117	12796	5.077	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	1108	1.492	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	36317	55.602	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	36317	116.550	ug/l #	19

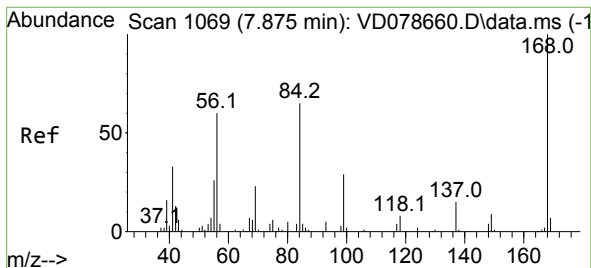
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

Instrument :

MSVOA_D

ClientSampleId :

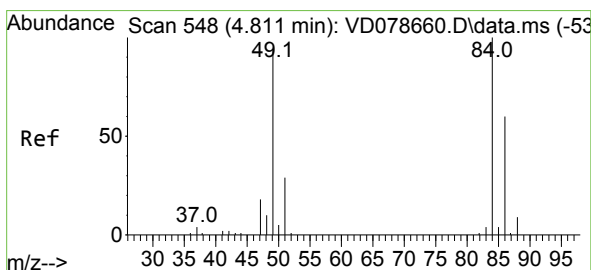
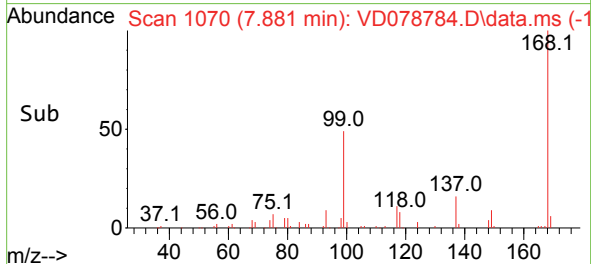
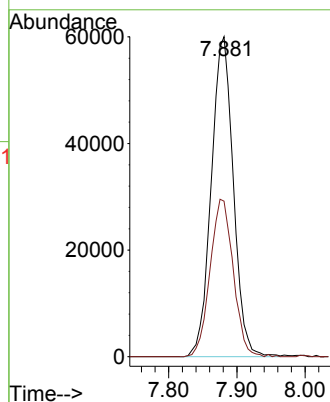
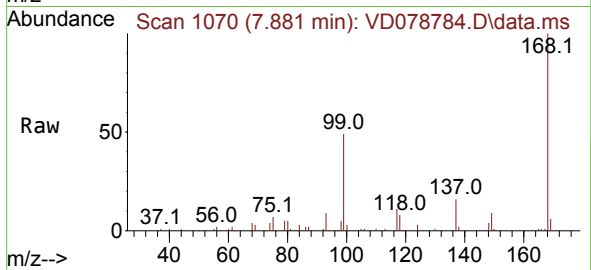
HS-02(0-6)

Tgt Ion:168 Resp: 135401

Ion Ratio Lower Upper

168 100

99 48.6 38.8 58.2



#20

Methylene Chloride

Concen: 1.820 ug/l

RT: 4.811 min Scan# 548

Delta R.T. -0.000 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

Tgt Ion: 84 Resp: 10897

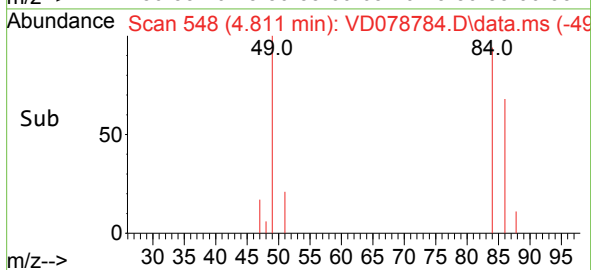
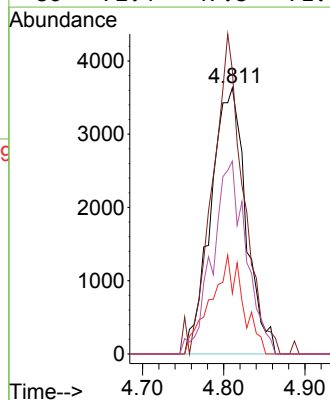
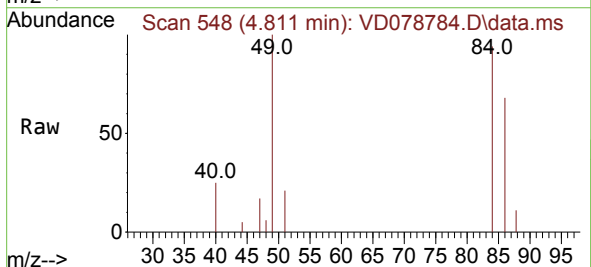
Ion Ratio Lower Upper

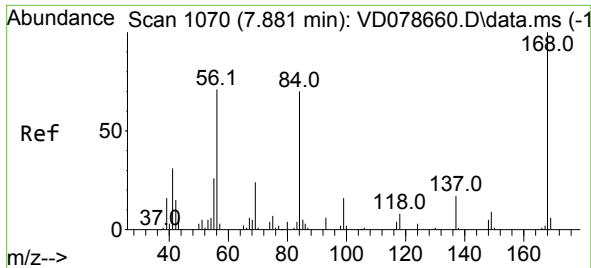
84 100

49 106.5 75.6 113.4

51 22.8 23.4 35.0#

86 72.4 47.8 71.6#

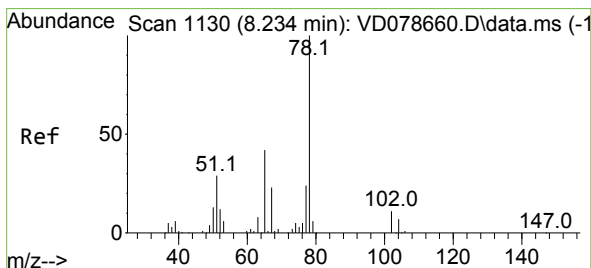
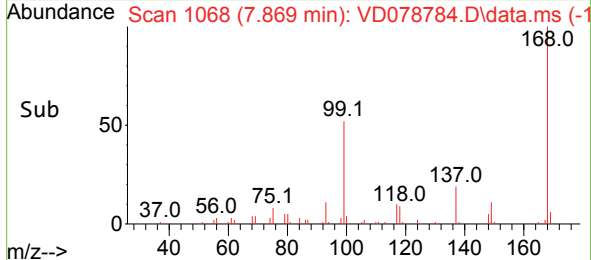
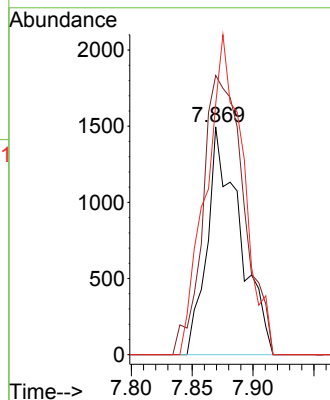
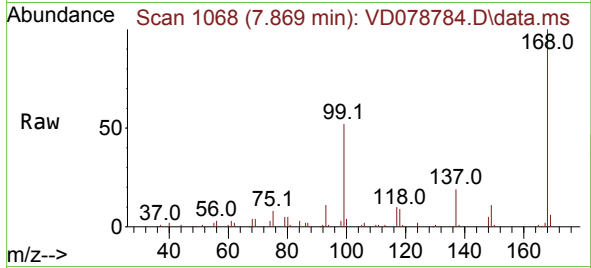




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD078784.D
Acq: 28 Mar 2024 19:42

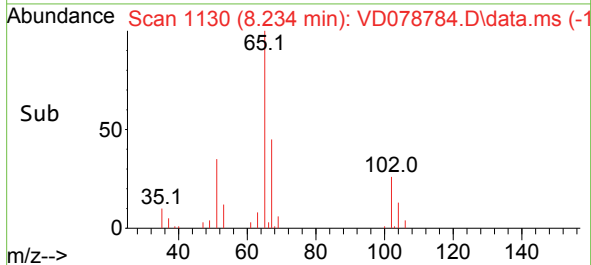
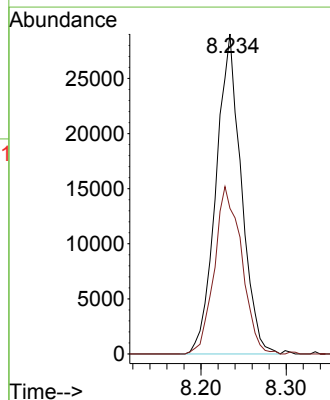
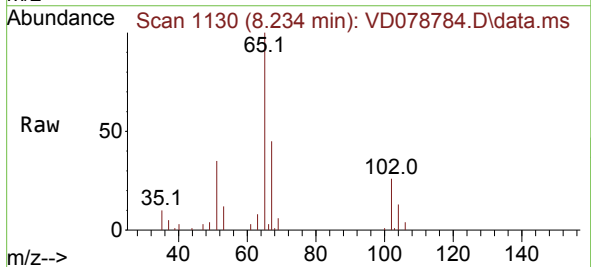
Instrument :
MSVOA_D
ClientSampleId :
HS-02(0-6)

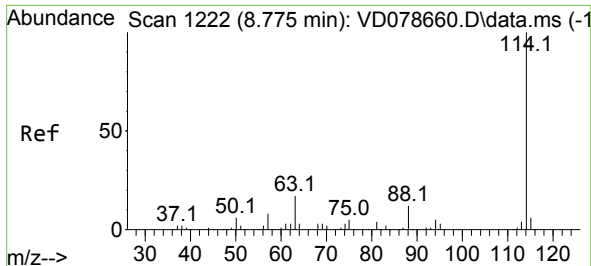
Tgt Ion: 56 Resp: 2790
Ion Ratio Lower Upper
56 100
69 122.5 26.6 40.0#
84 110.0 79.4 119.2



#33
1,2-Dichloroethane-d4
Concen: 47.143 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078784.D
Acq: 28 Mar 2024 19:42

Tgt Ion: 65 Resp: 59821
Ion Ratio Lower Upper
65 100
67 56.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

Instrument :

MSVOA_D

ClientSampleId :

HS-02(0-6)

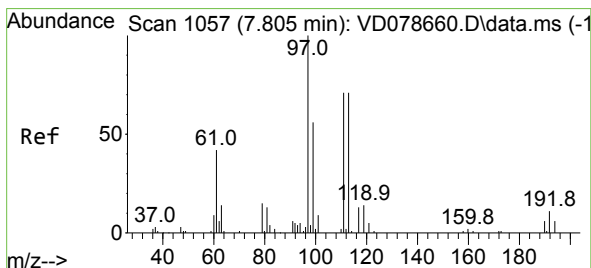
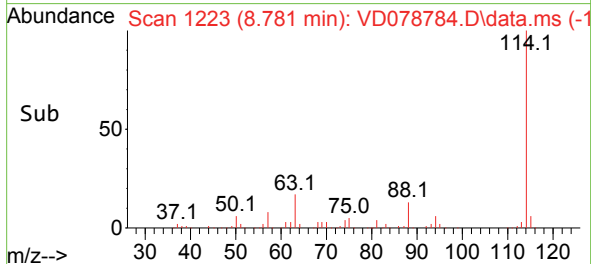
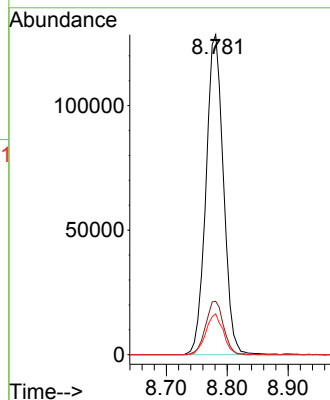
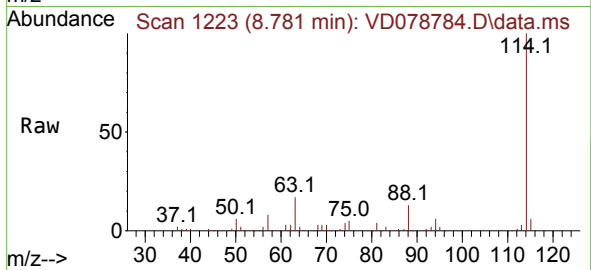
Tgt Ion:114 Resp: 255938

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.4

88 12.7 0.0 24.6



#35

Dibromofluoromethane

Concen: 47.703 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

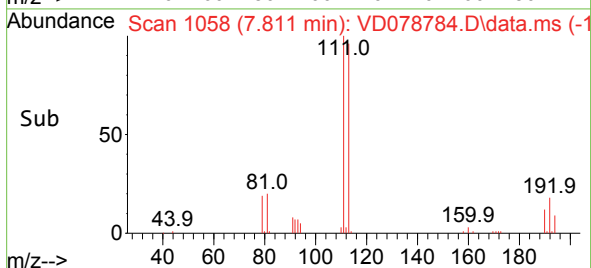
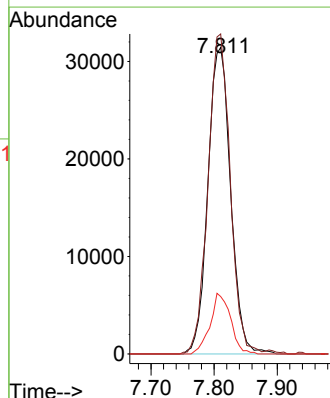
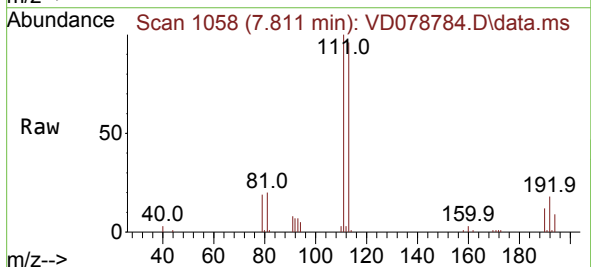
Tgt Ion:113 Resp: 78607

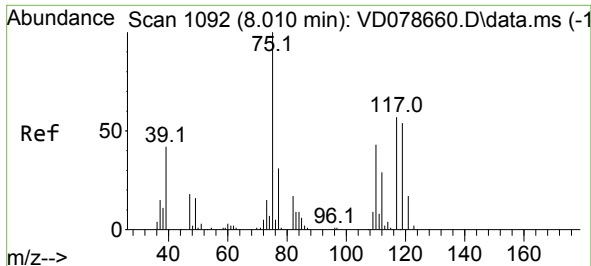
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 17.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.332 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

Instrument :

MSVOA_D

ClientSampleId :

HS-02(0-6)

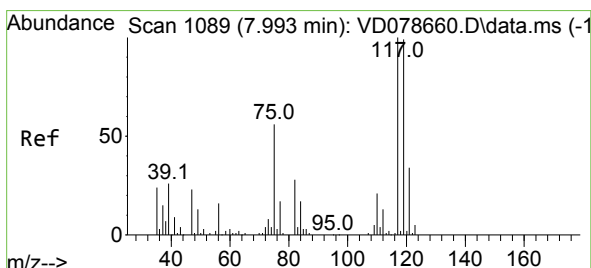
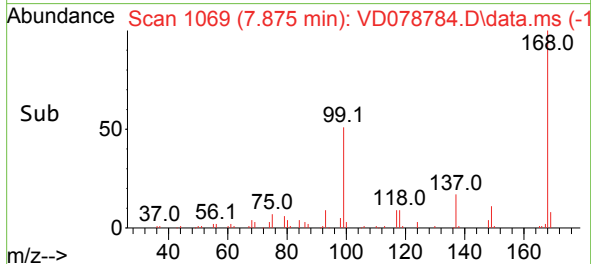
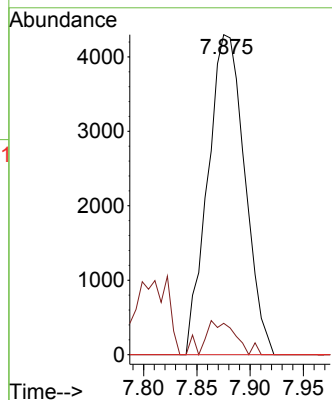
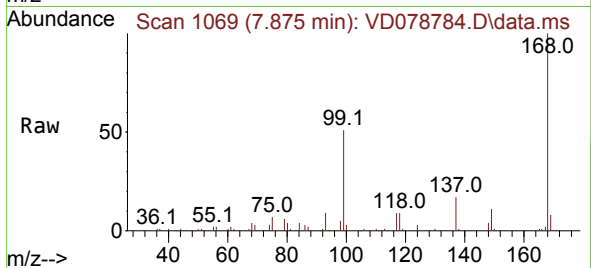
Tgt Ion: 75 Resp: 10358

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.077 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

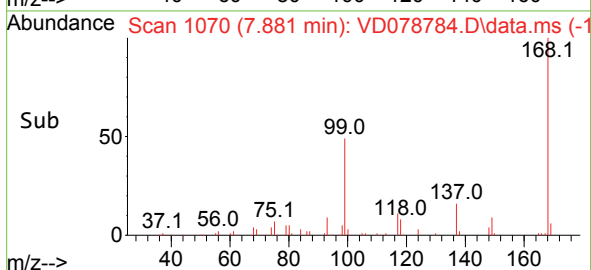
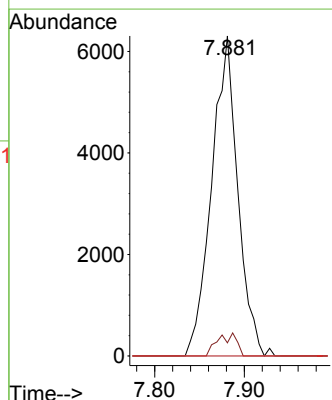
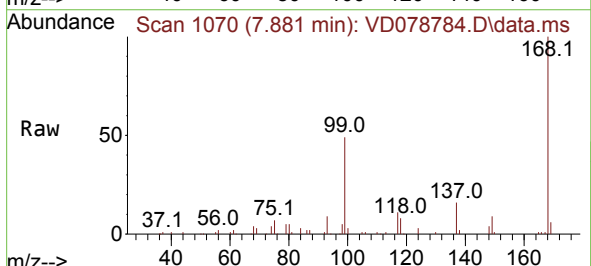
Tgt Ion: 117 Resp: 12796

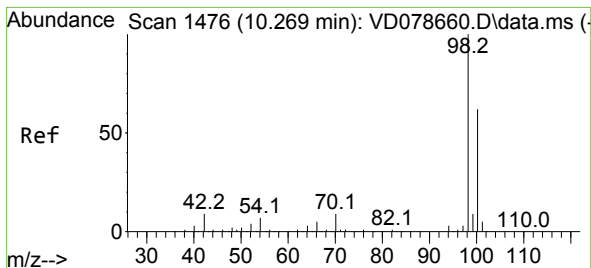
Ion Ratio Lower Upper

117 100

119 4.1 79.2 118.8#

121 0.0 26.8 40.2#





#50

Toluene-d8

Concen: 51.124 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

Instrument :

MSVOA_D

ClientSampleId :

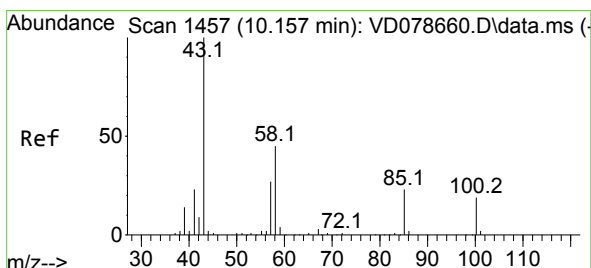
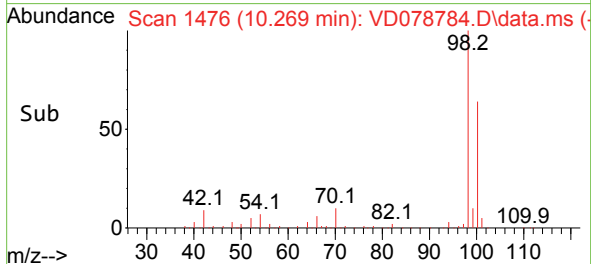
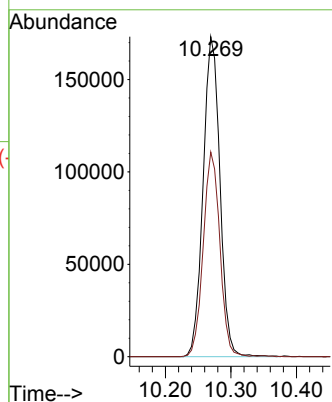
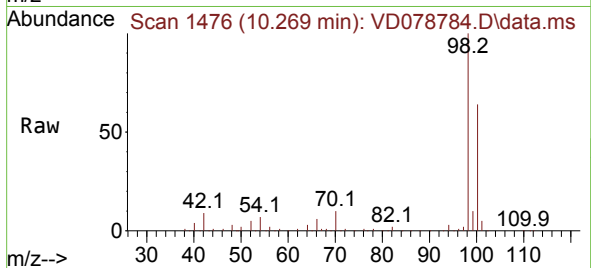
HS-02(0-6)

Tgt Ion: 98 Resp: 309825

Ion Ratio Lower Upper

98 100

100 63.0 50.5 75.7



#51

4-Methyl-2-Pentanone

Concen: 1.492 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.112 min

Lab File: VD078784.D

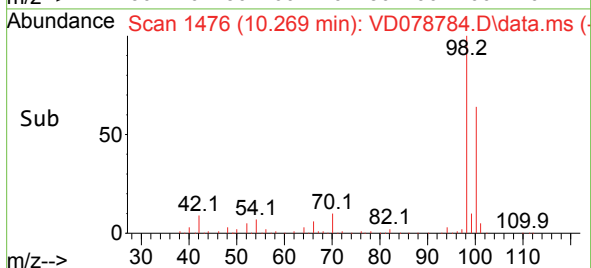
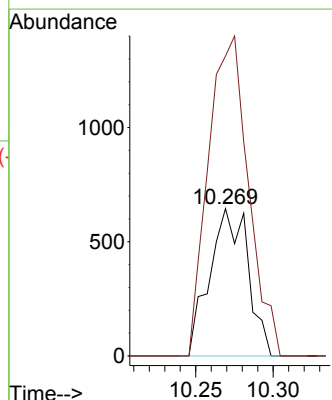
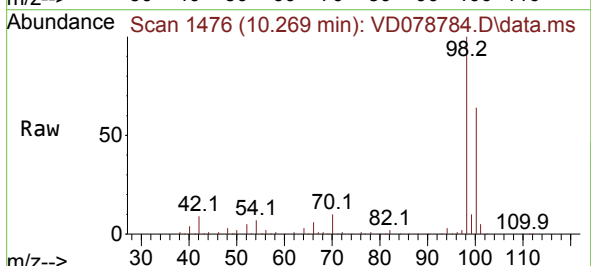
Acq: 28 Mar 2024 19:42

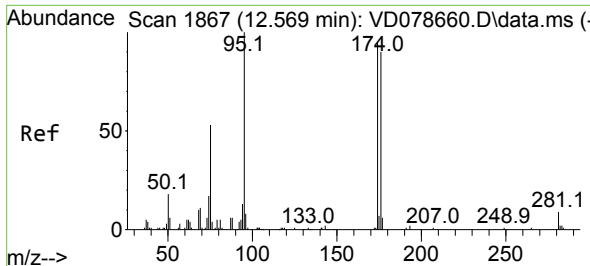
Tgt Ion: 43 Resp: 1108

Ion Ratio Lower Upper

43 100

58 227.7 36.4 54.6#

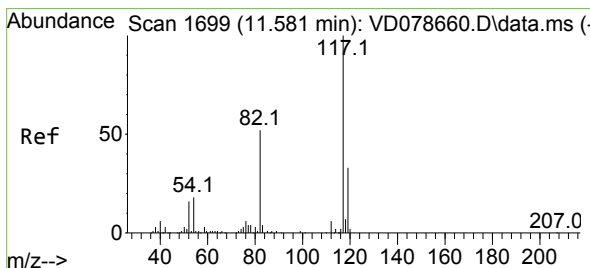
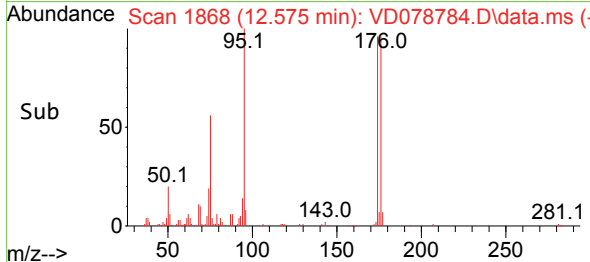
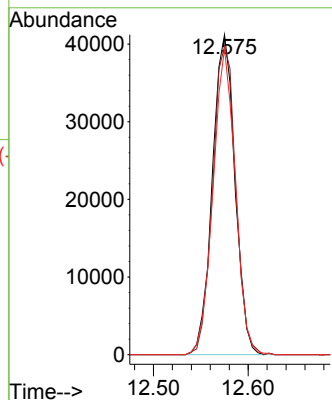
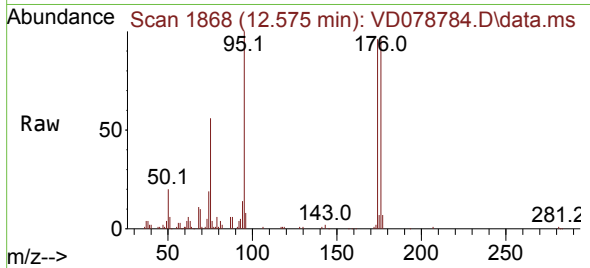




#62
4-Bromofluorobenzene
Concen: 38.398 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078784.D
Acq: 28 Mar 2024 19:42

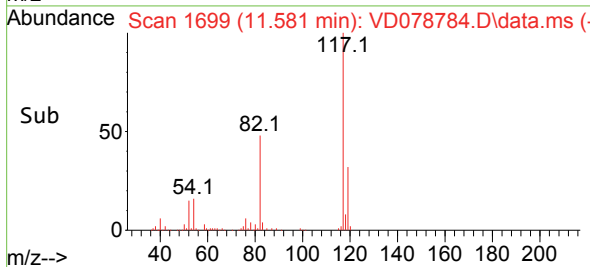
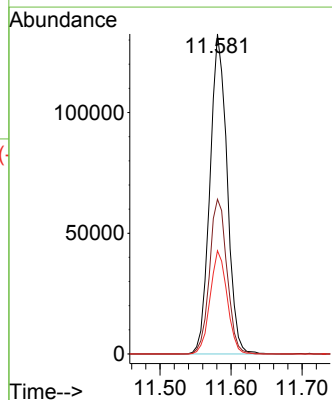
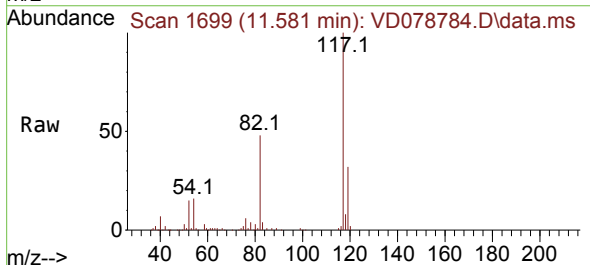
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MSVOA_D
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HS-02(0-6)

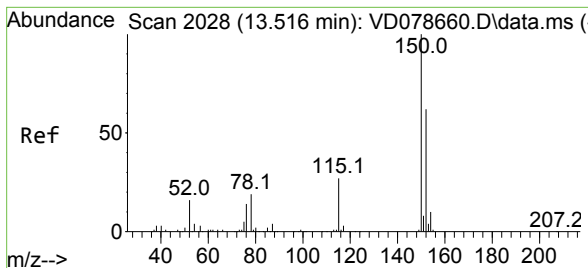
Tgt Ion: 95 Resp: 68079
Ion Ratio Lower Upper
95 100
174 98.4 0.0 195.2
176 94.8 0.0 188.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078784.D
Acq: 28 Mar 2024 19:42

Tgt Ion: 117 Resp: 222216
Ion Ratio Lower Upper
117 100
82 48.4 41.4 62.2
119 32.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD078784.D

Acq: 28 Mar 2024 19:42

Instrument :

MSVOA_D

ClientSampleId :

HS-02(0-6)

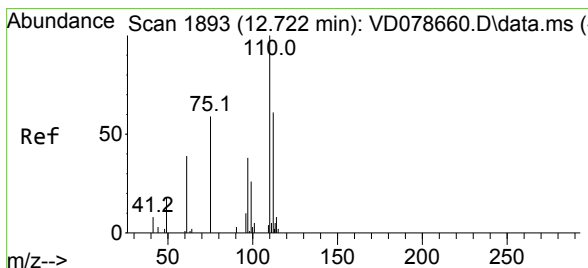
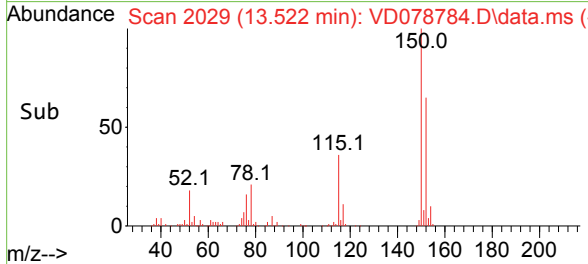
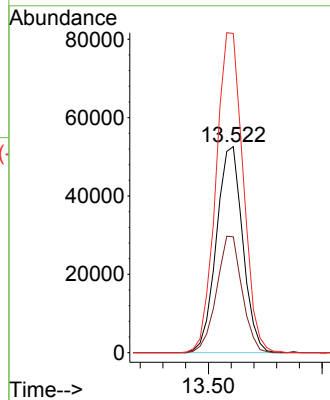
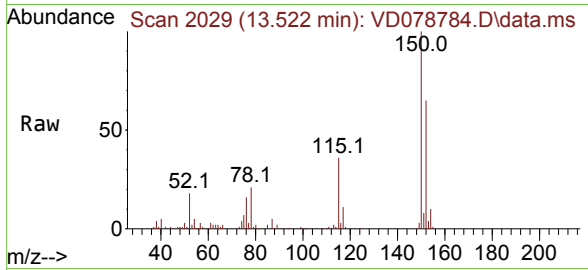
Tgt Ion:152 Resp: 84778

Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.2

150 160.0 0.0 350.2



#76

1,2,3-Trichloropropane

Concen: 55.602 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078784.D

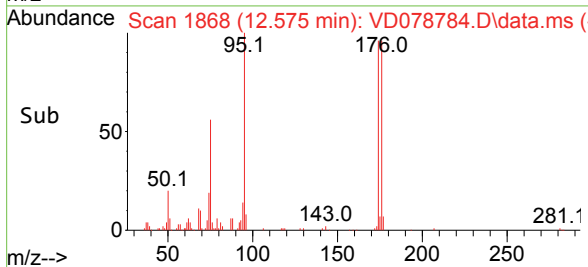
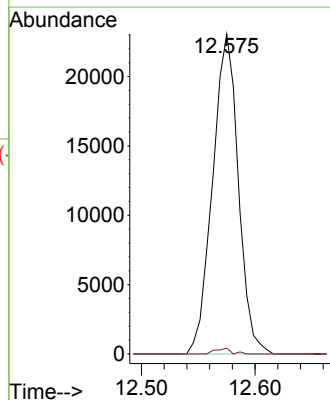
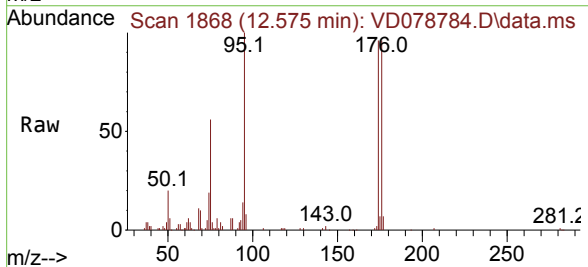
Acq: 28 Mar 2024 19:42

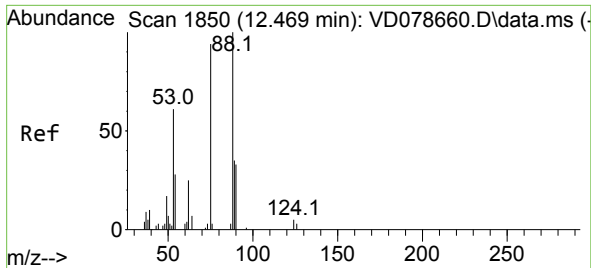
Tgt Ion: 75 Resp: 36317

Ion Ratio Lower Upper

75 100

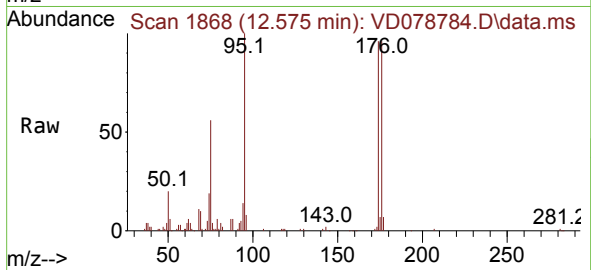
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 116.550 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD078784.D
Acq: 28 Mar 2024 19:42

Instrument :
MSVOA_D
ClientSampleId :
HS-02(0-6)



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.0	35.4	53.0#

