

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032824\
 Data File : VD078785.D
 Acq On : 28 Mar 2024 20:09
 Operator : RP/MD
 Sample : P1879-11
 Misc : 4.06G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HS-03(0-6)

Quant Time: Mar 29 01:38:50 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)

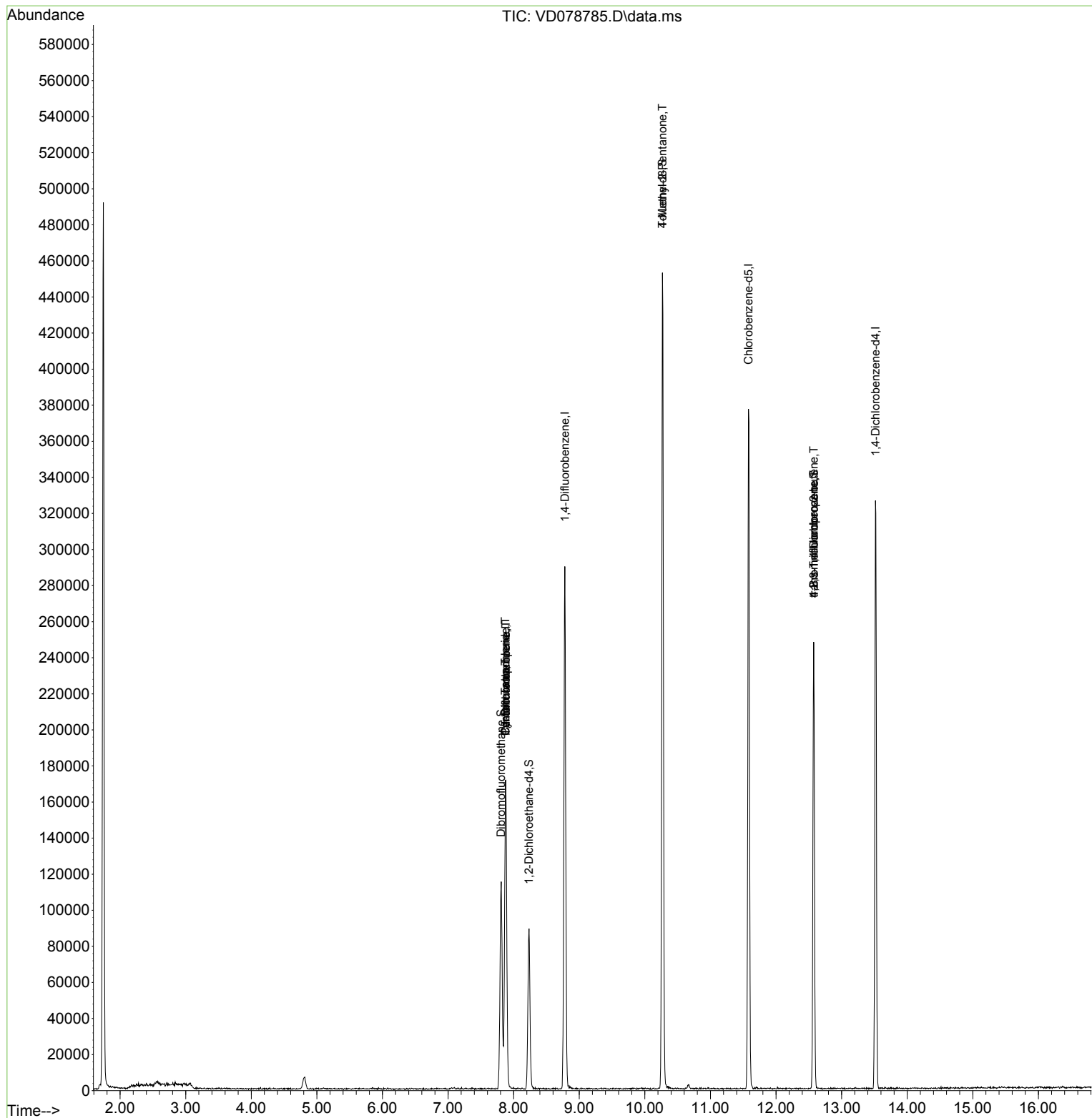
Internal Standards						
1) Pentafluorobenzene	7.881	168	138752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	260859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	232526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	93005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67285	51.744	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.480%	
35) Dibromofluoromethane	7.810	113	83349	49.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.260%	
50) Toluene-d8	10.269	98	317916	51.469	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.940%	
62) 4-Bromofluorobenzene	12.575	95	72918	40.352	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.700%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.816	84	5578	Below Cal	#	86
31) Cyclohexane	7.875	56	2588	1.184	ug/l #	40
36) 1,1-Dichloropropene	7.881	75	10828	4.443	ug/l #	44
38) Carbon Tetrachloride	7.875	117	12989	5.056	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	920	1.215	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	38704	54.015	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	38704	113.223	ug/l #	19

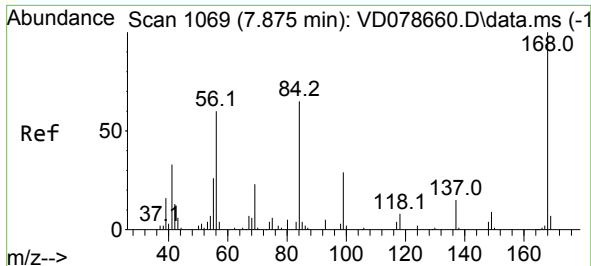
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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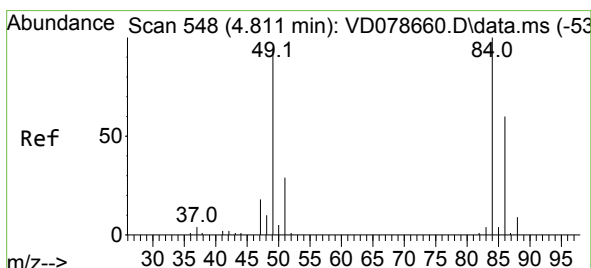
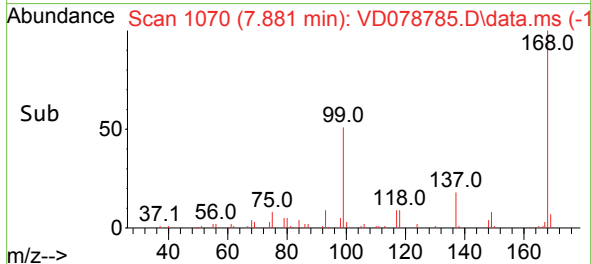
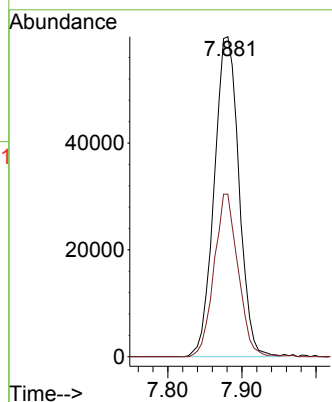
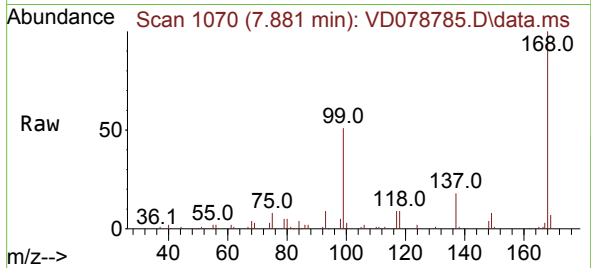




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078785.D
Acq: 28 Mar 2024 20:09

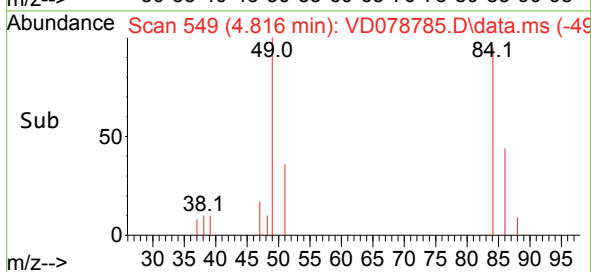
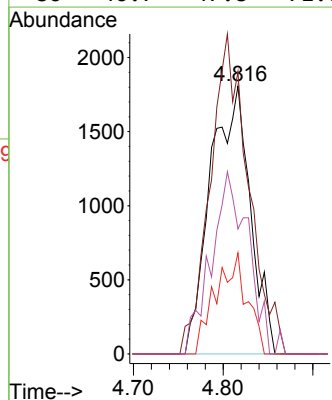
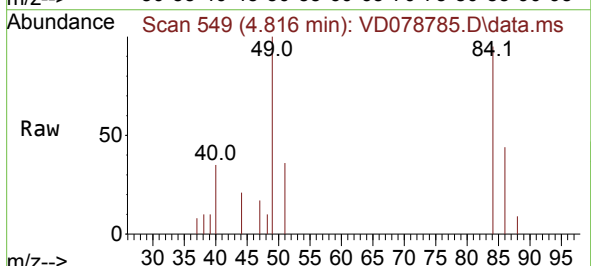
Instrument :
MSVOA_D
ClientSampleId :
HS-03(0-6)

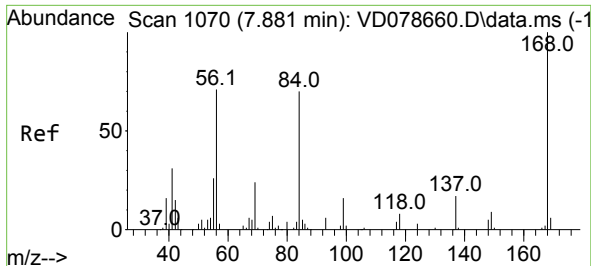
Tgt Ion:168 Resp: 138752
Ion Ratio Lower Upper
168 100
99 50.8 38.8 58.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.005 min
Lab File: VD078785.D
Acq: 28 Mar 2024 20:09

Tgt Ion: 84 Resp: 5578
Ion Ratio Lower Upper
84 100
49 105.4 75.6 113.4
51 37.7 23.4 35.0#
86 46.7 47.8 71.6#

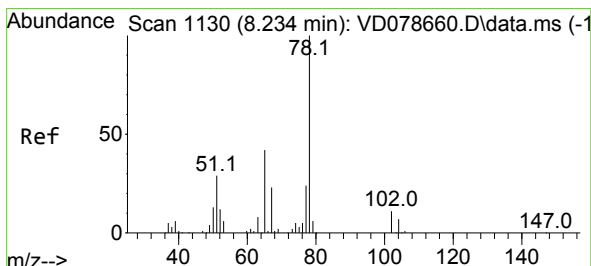
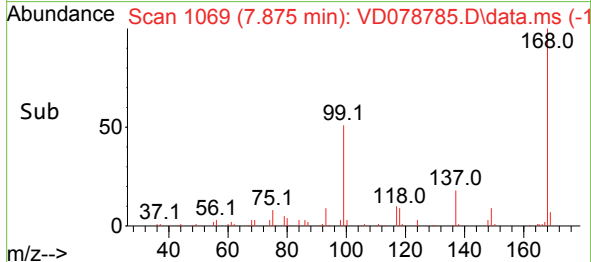
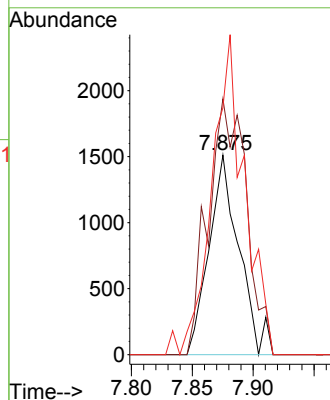
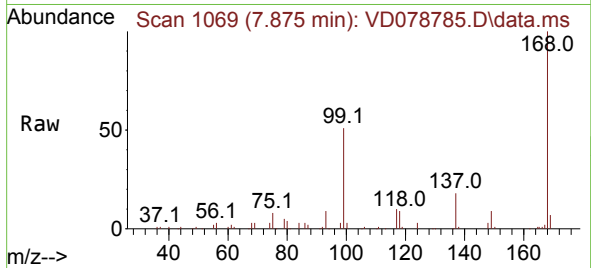




#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078785.D
Acq: 28 Mar 2024 20:09

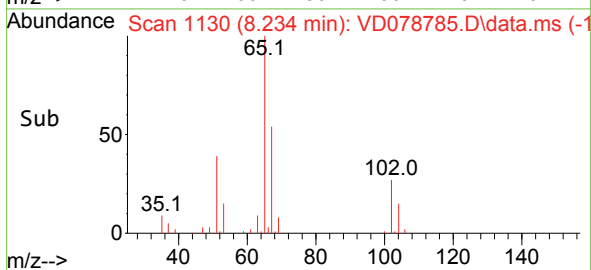
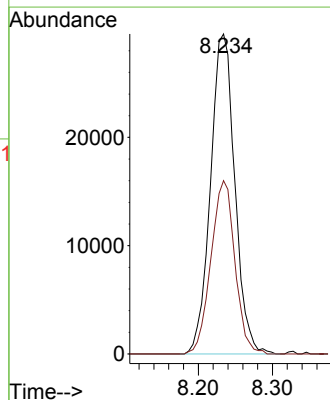
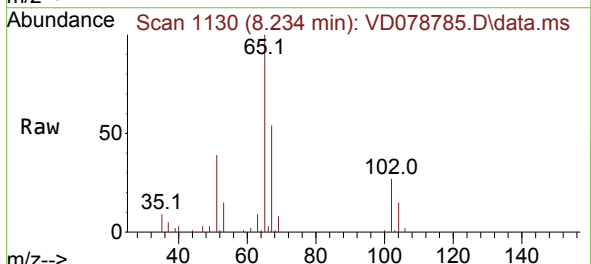
Instrument :
MSVOA_D
ClientSampleId :
HS-03(0-6)

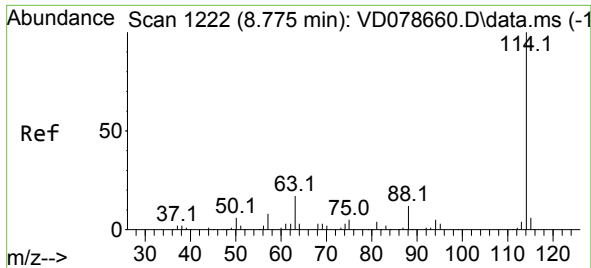
Tgt Ion: 56 Resp: 2588
Ion Ratio Lower Upper
56 100
69 128.3 26.6 40.0#
84 123.8 79.4 119.2#



#33
1,2-Dichloroethane-d4
Concen: 51.744 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078785.D
Acq: 28 Mar 2024 20:09

Tgt Ion: 65 Resp: 67285
Ion Ratio Lower Upper
65 100
67 53.4 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: VD078785.D

Acq: 28 Mar 2024 20:09

Instrument :

MSVOA_D

ClientSampleId :

HS-03(0-6)

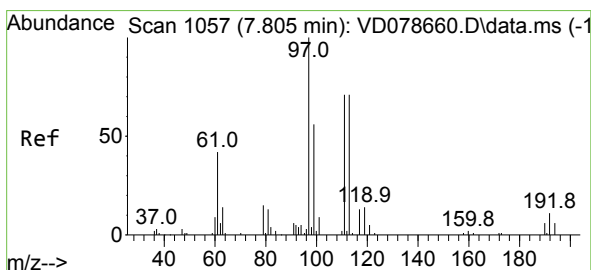
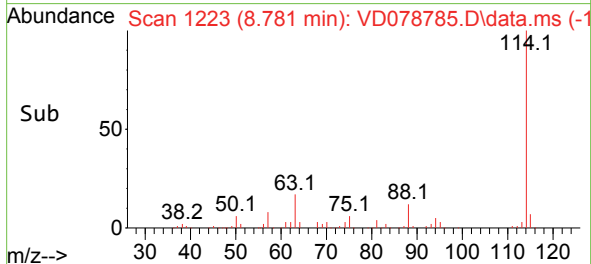
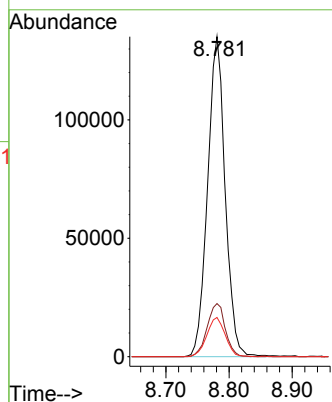
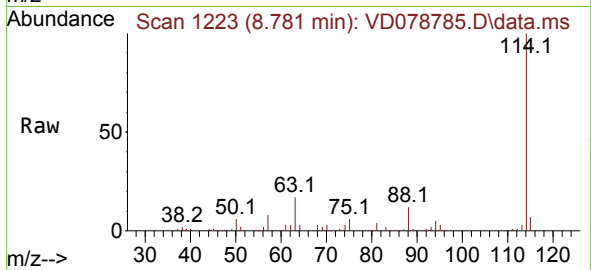
Tgt Ion:114 Resp: 260859

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 12.3 0.0 24.6



#35

Dibromofluoromethane

Concen: 49.626 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078785.D

Acq: 28 Mar 2024 20:09

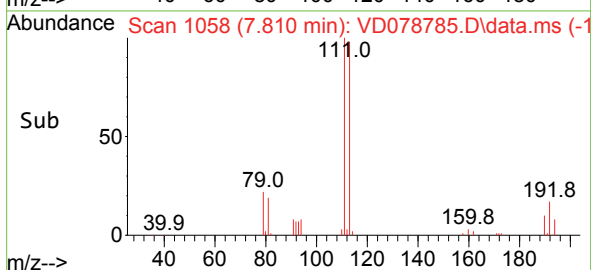
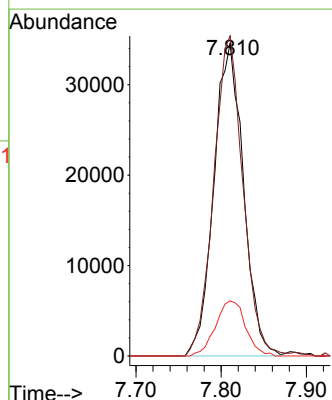
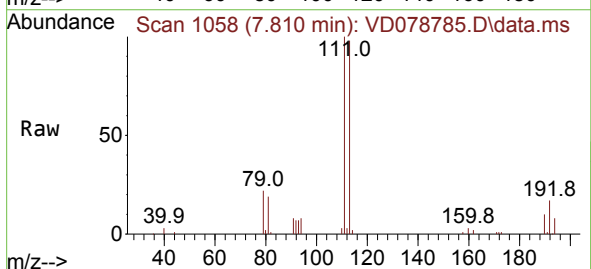
Tgt Ion:113 Resp: 83349

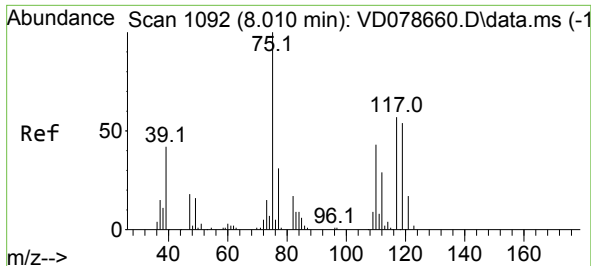
Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

192 17.9 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.443 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078785.D

Acq: 28 Mar 2024 20:09

Instrument :

MSVOA_D

ClientSampleId :

HS-03(0-6)

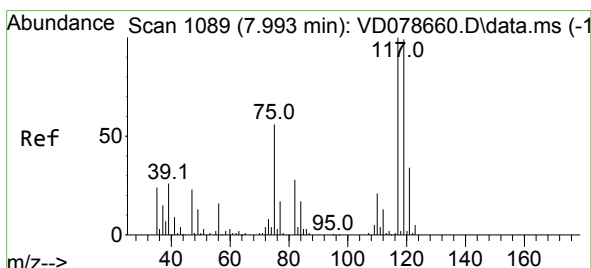
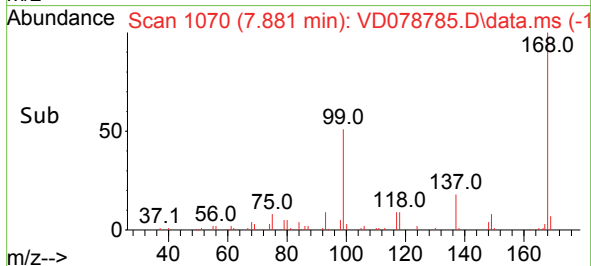
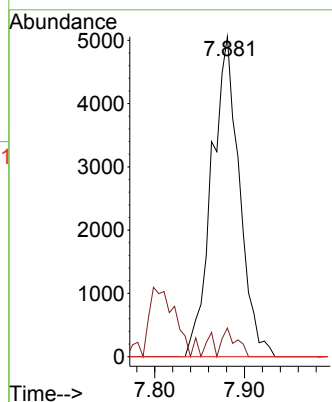
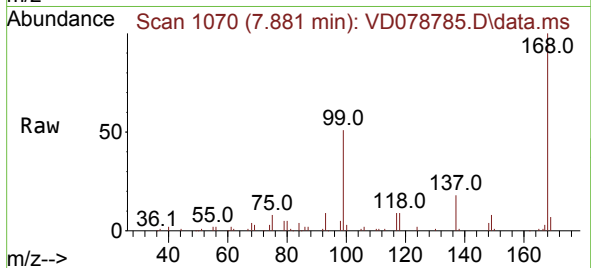
Tgt Ion: 75 Resp: 10828

Ion Ratio Lower Upper

75 100

110 4.6 19.1 57.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.056 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078785.D

Acq: 28 Mar 2024 20:09

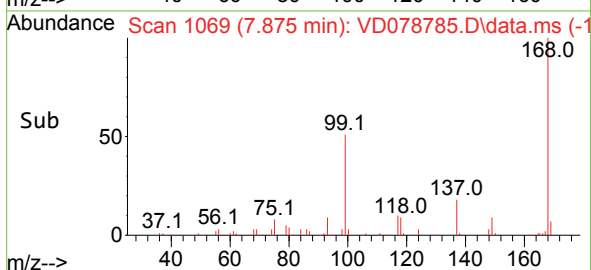
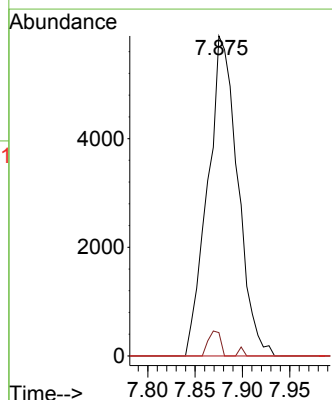
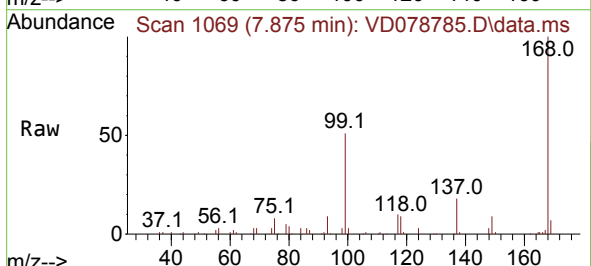
Tgt Ion: 117 Resp: 12989

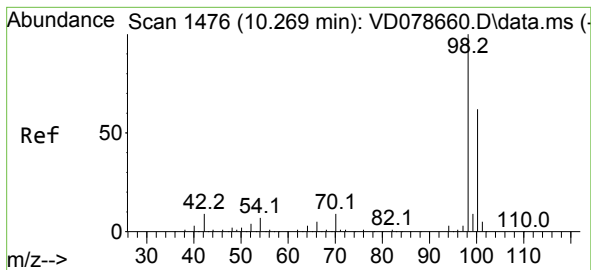
Ion Ratio Lower Upper

117 100

119 7.3 79.2 118.8#

121 0.0 26.8 40.2#





#50

Toluene-d8

Concen: 51.469 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078785.D

Acq: 28 Mar 2024 20:09

Instrument :

MSVOA_D

ClientSampleId :

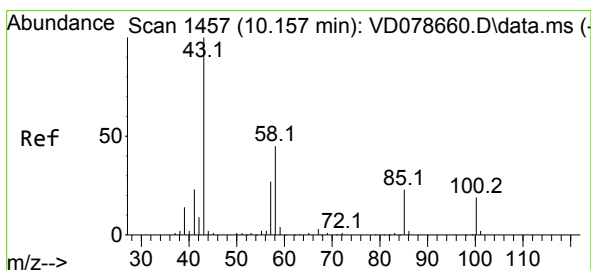
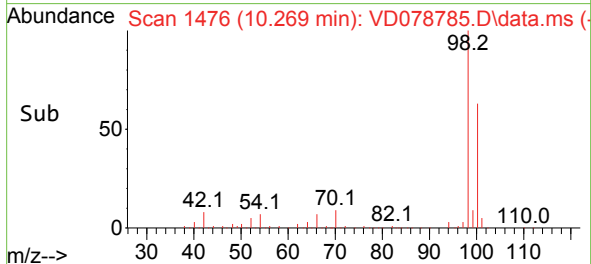
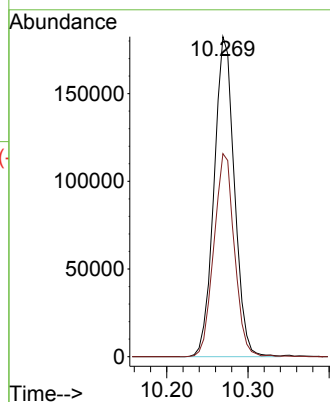
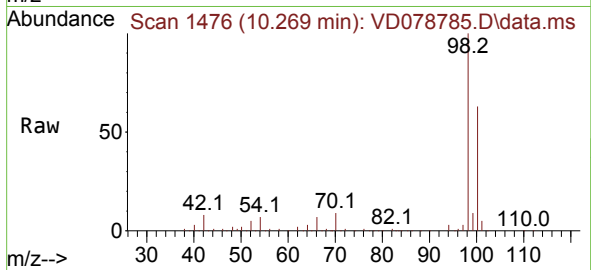
HS-03(0-6)

Tgt Ion: 98 Resp: 317916

Ion Ratio Lower Upper

98 100

100 64.1 50.5 75.7



#51

4-Methyl-2-Pentanone

Concen: 1.215 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.112 min

Lab File: VD078785.D

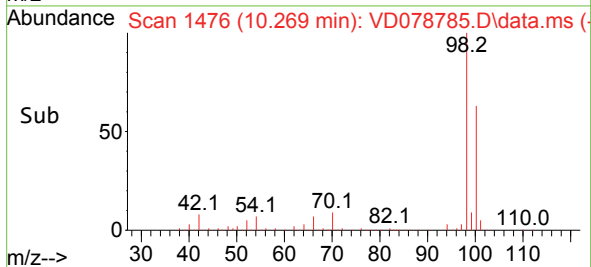
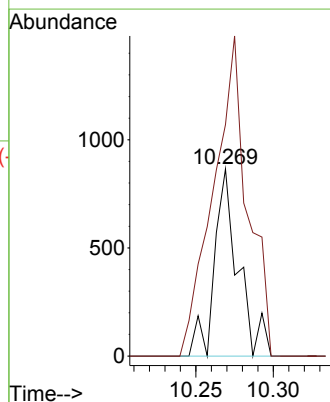
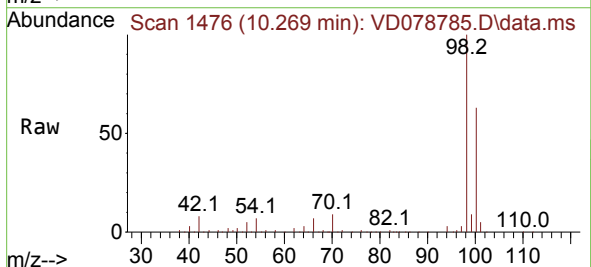
Acq: 28 Mar 2024 20:09

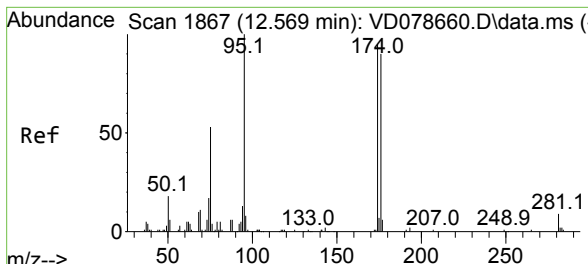
Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

58 246.5 36.4 54.6#

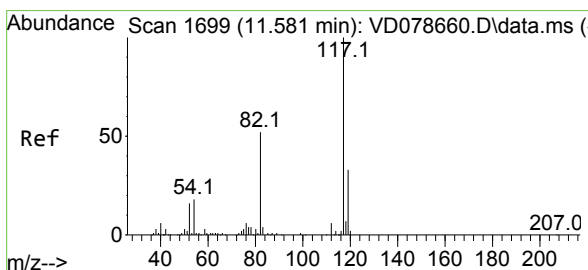
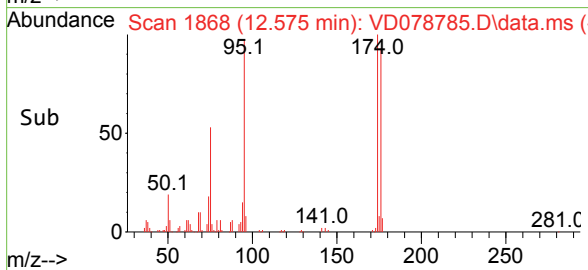
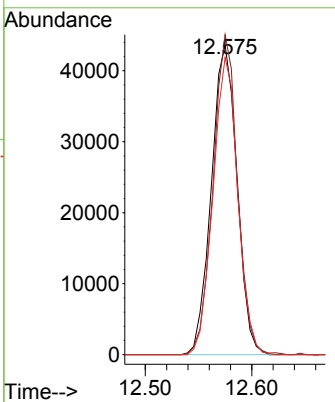
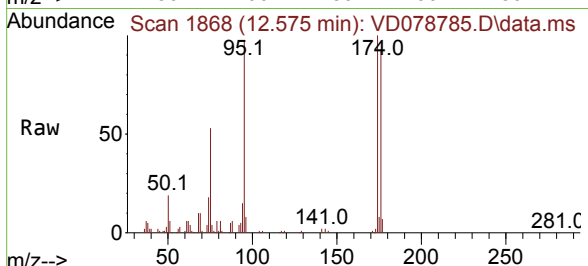




#62
 4-Bromofluorobenzene
 Concen: 40.352 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.006 min
 Lab File: VD078785.D
 Acq: 28 Mar 2024 20:09

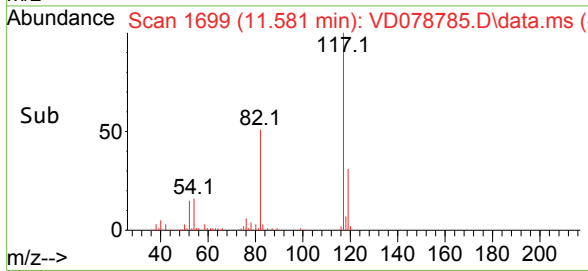
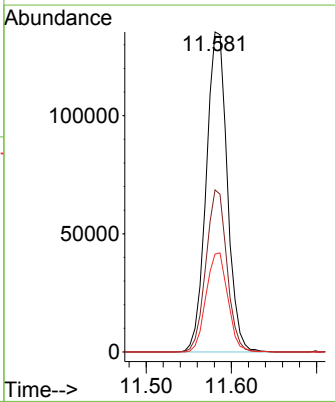
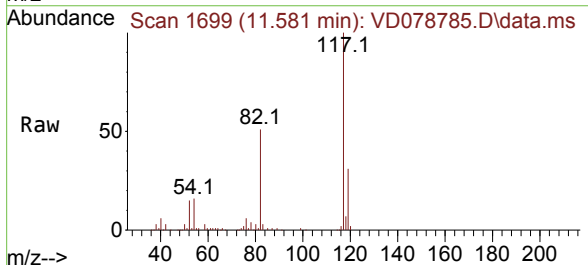
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 HS-03(0-6)

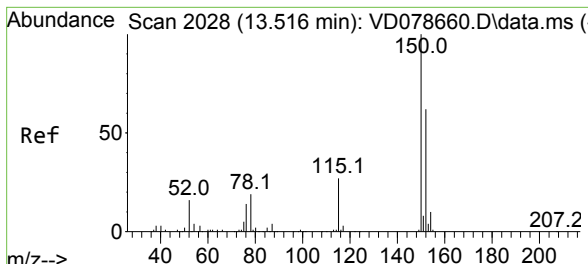
Tgt Ion:	95	Resp:	72918
Ion	Ratio	Lower	Upper
95	100		
174	98.2	0.0	195.2
176	92.5	0.0	188.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: VD078785.D
 Acq: 28 Mar 2024 20:09

Tgt Ion:	117	Resp:	232526
Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.4	62.2
119	30.6	26.5	39.7

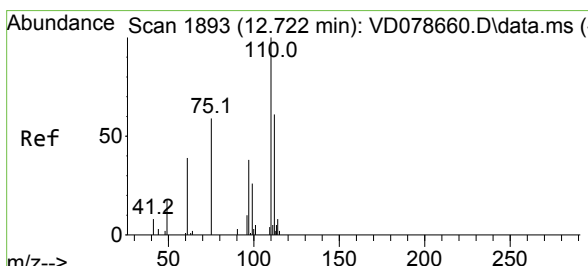
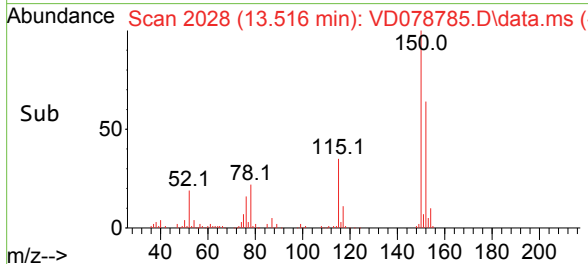
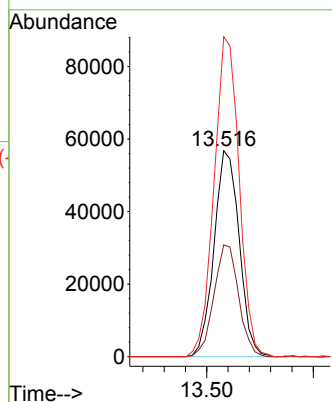
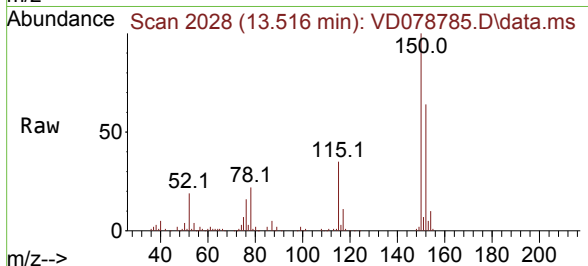




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD078785.D
 Acq: 28 Mar 2024 20:09

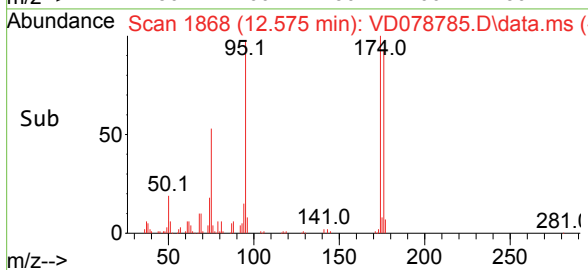
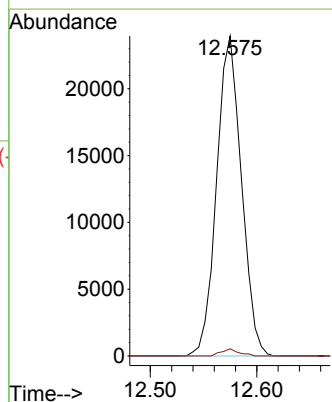
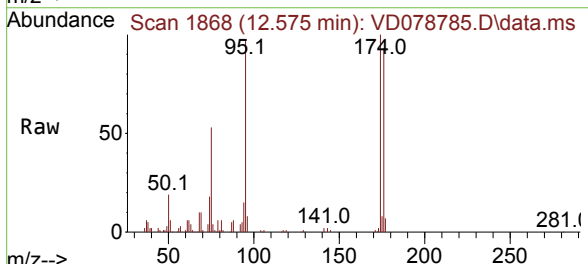
Instrument :
 MSVOA_D
 ClientSampleId :
 HS-03(0-6)

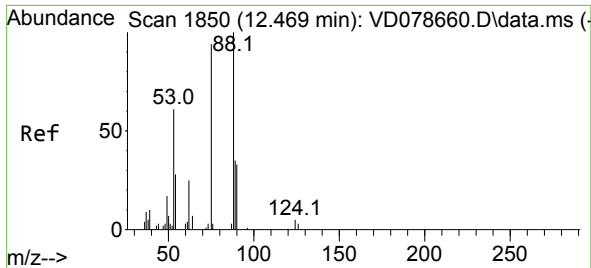
Tgt Ion:	152	Resp:	93005
Ion Ratio	Lower	Upper	
152	100		
115	53.3	27.1	81.2
150	155.2	0.0	350.2



#76
 1,2,3-Trichloropropane
 Concen: 54.015 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078785.D
 Acq: 28 Mar 2024 20:09

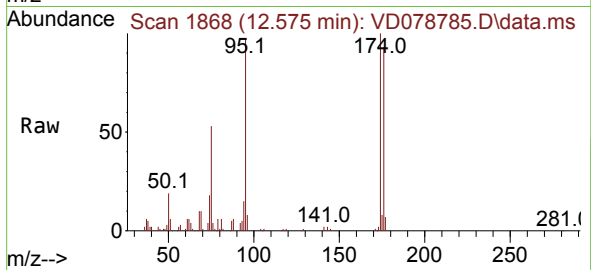
Tgt Ion:	75	Resp:	38704
Ion Ratio	Lower	Upper	
75	100		
77	1.6	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.223 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078785.D
 Acq: 28 Mar 2024 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 HS-03(0-6)



Tgt Ion:	75	Resp:	38704
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.0	35.4	53.0#

