

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031524\
 Data File : VD078683.D
 Acq On : 15 Mar 2024 13:02
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 16 05:26:07 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)

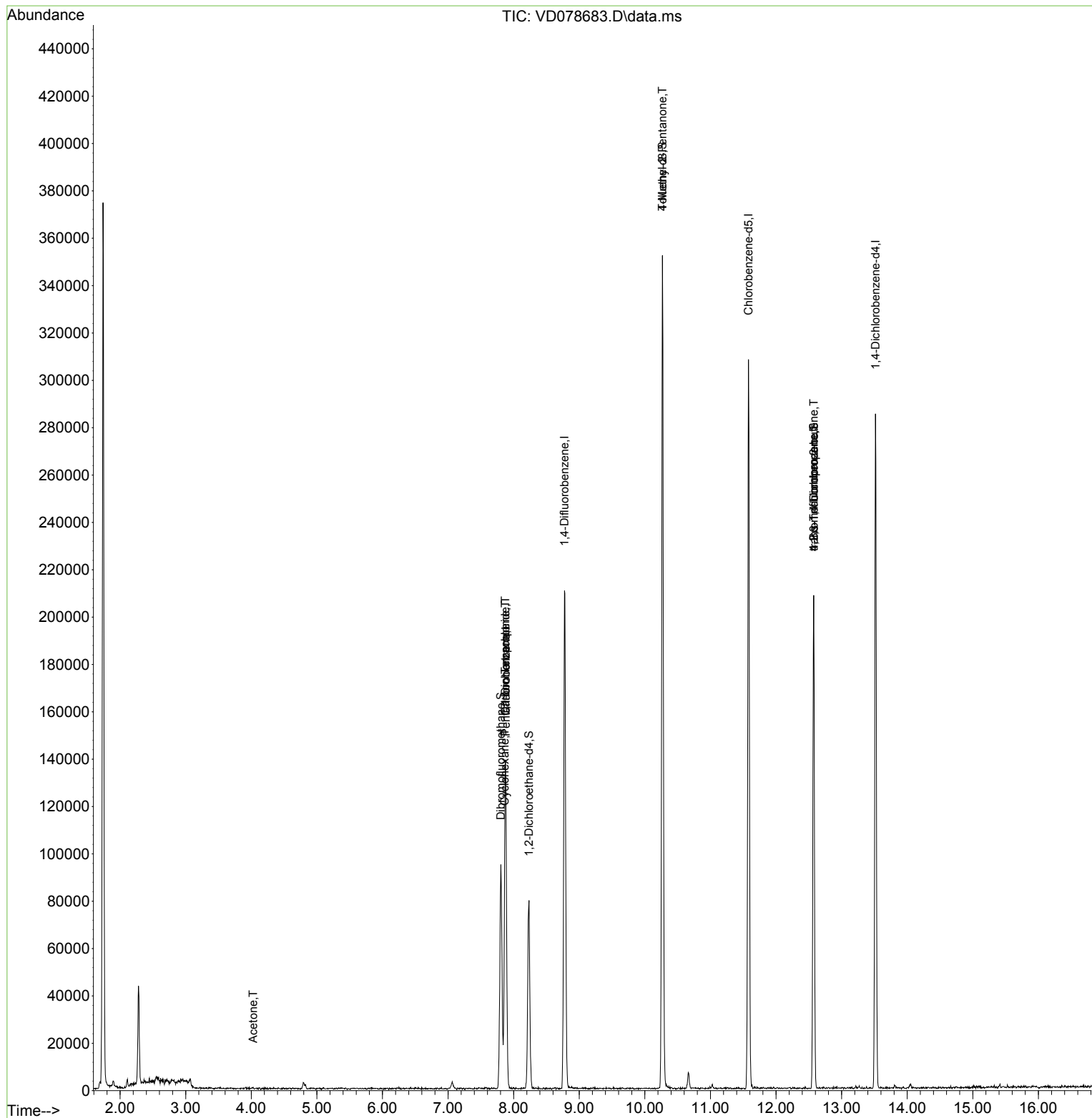
Internal Standards						
1) Pentafluorobenzene	7.881	168	108784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	196656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	183090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	78047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59357	58.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.440%	
35) Dibromofluoromethane	7.804	113	67324	53.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.340%	
50) Toluene-d8	10.269	98	247245	53.096	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.200%	
62) 4-Bromofluorobenzene	12.575	95	60969	44.754	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.500%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	438	2.222	ug/l #	39
20) Methylene Chloride	4.793	84	1610	Below Cal	#	78
31) Cyclohexane	7.863	56	2500	1.459	ug/l #	11
36) 1,1-Dichloropropene	7.875	75	8586	4.674	ug/l #	40
38) Carbon Tetrachloride	7.875	117	10179	5.256	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	870	1.525	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	32700	54.382	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	32700	113.993	ug/l #	19

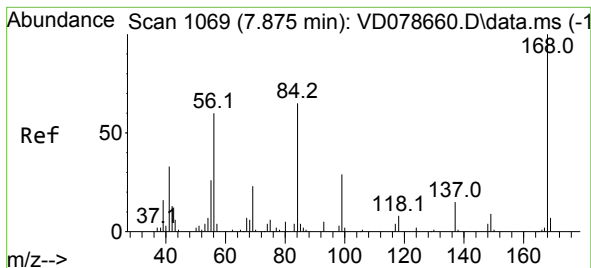
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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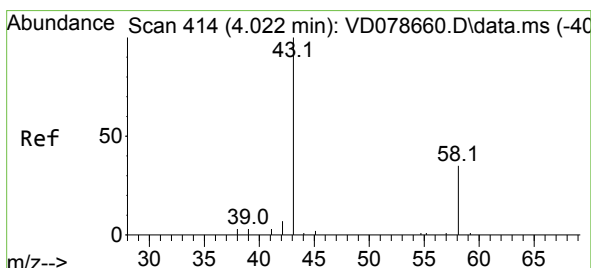
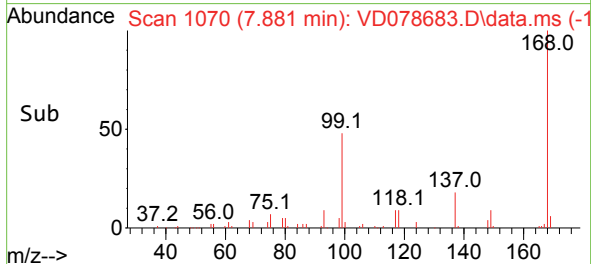
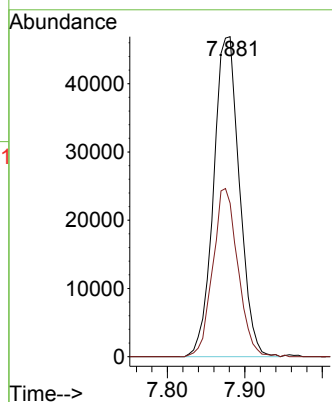
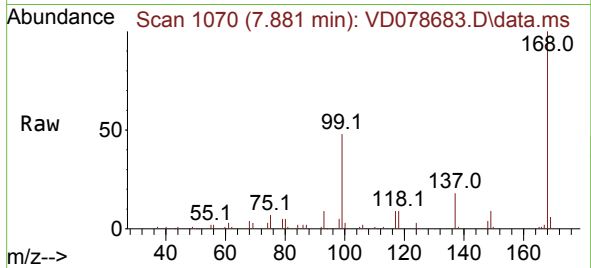




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078683.D
Acq: 15 Mar 2024 13:02

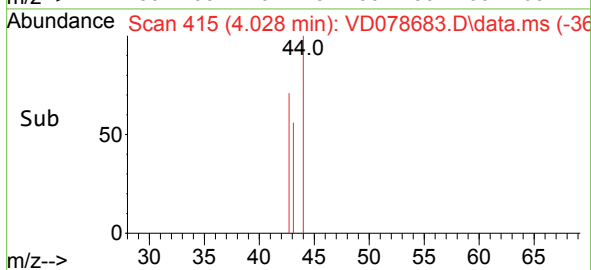
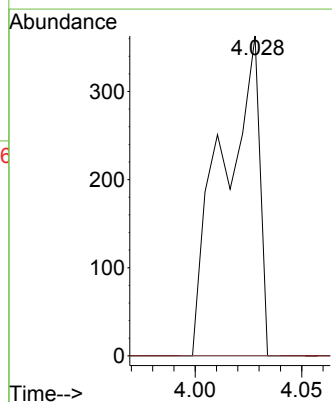
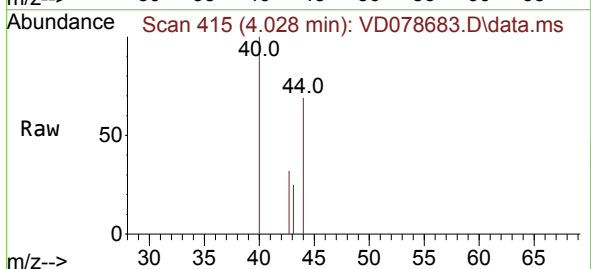
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

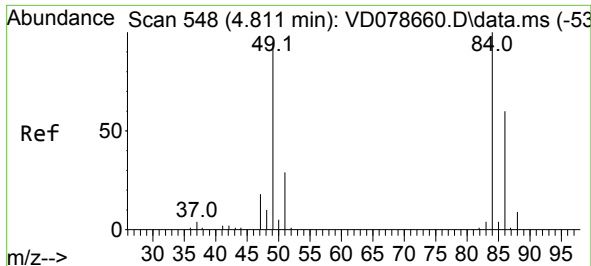
Tgt Ion:168 Resp: 108784
Ion Ratio Lower Upper
168 100
99 48.0 38.8 58.2



#16
Acetone
Concen: 2.222 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD078683.D
Acq: 15 Mar 2024 13:02

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 54

Delta R.T. -0.018 min

Lab File: VD078683.D

Acq: 15 Mar 2024 13:02

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 1610

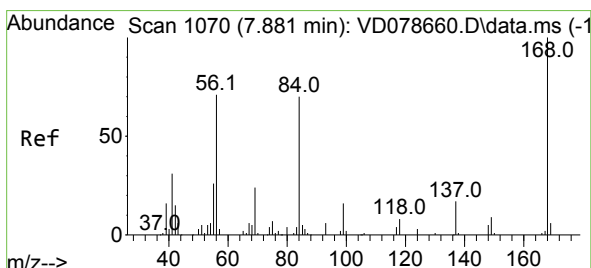
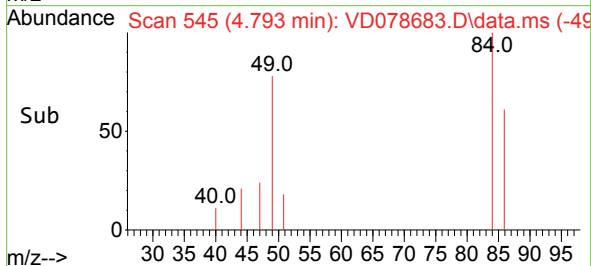
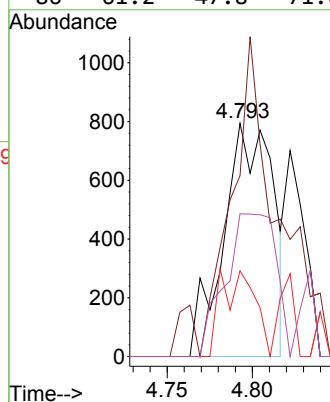
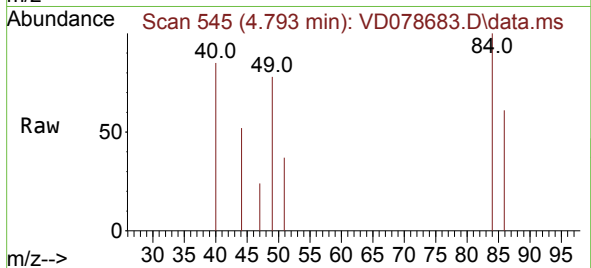
Ion Ratio Lower Upper

84 100

49 58.6 75.6 113.4#

51 36.8 23.4 35.0#

86 61.2 47.8 71.6



#31

Cyclohexane

Concen: 1.459 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.018 min

Lab File: VD078683.D

Acq: 15 Mar 2024 13:02

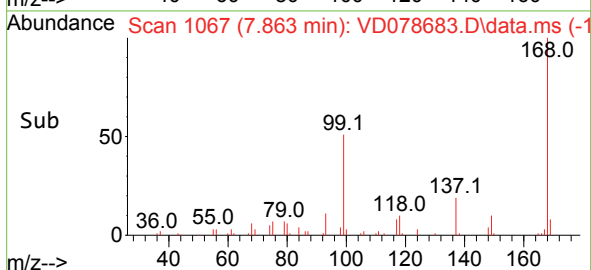
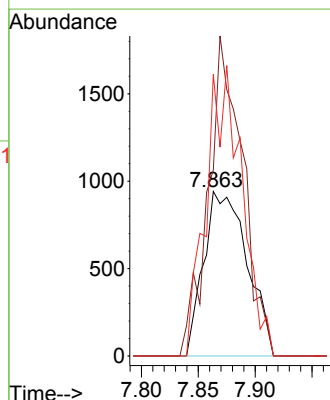
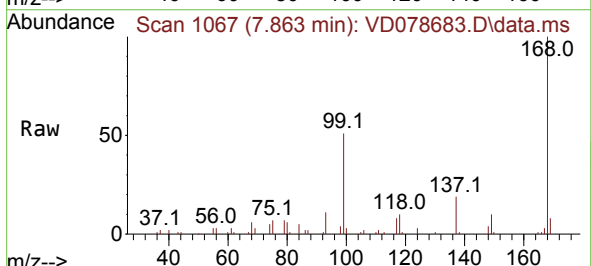
Tgt Ion: 56 Resp: 2500

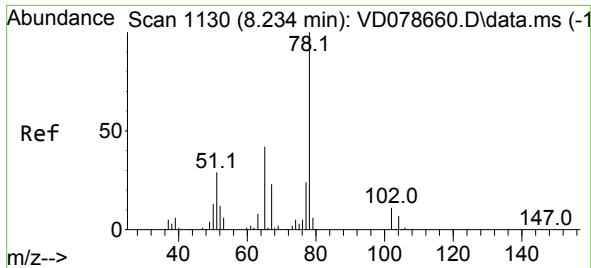
Ion Ratio Lower Upper

56 100

69 113.2 26.6 40.0#

84 171.2 79.4 119.2#

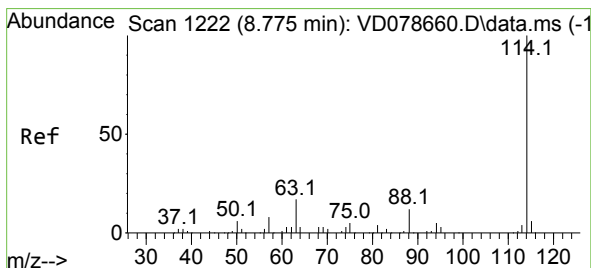
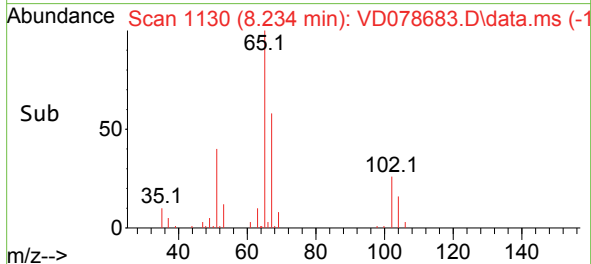
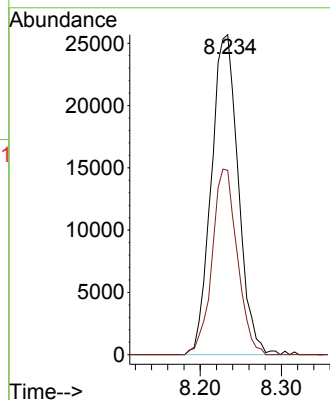
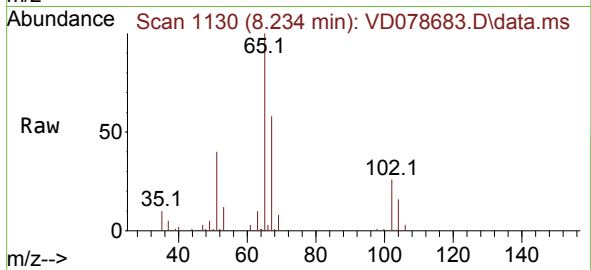




#33
 1,2-Dichloroethane-d4
 Concen: 58.223 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VD078683.D
 Acq: 15 Mar 2024 13:02

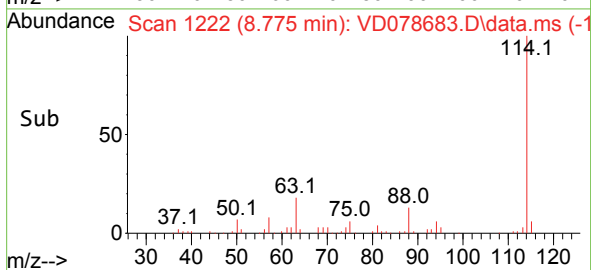
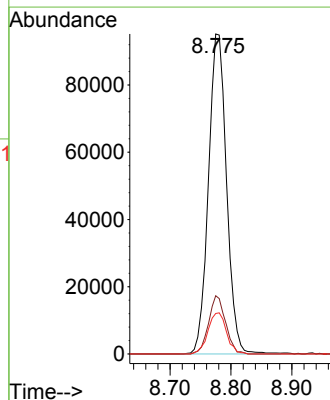
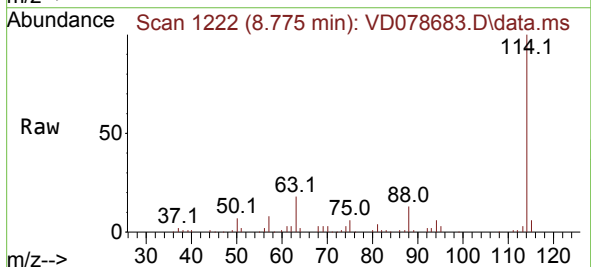
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

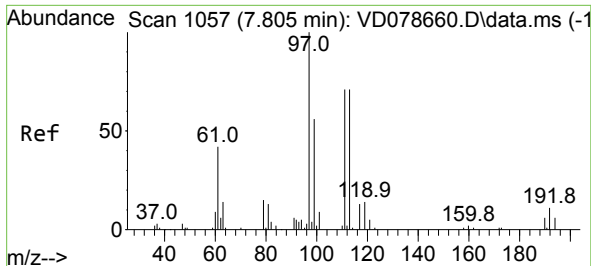
Tgt Ion: 65 Resp: 59357
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.000 min
 Lab File: VD078683.D
 Acq: 15 Mar 2024 13:02

Tgt Ion: 114 Resp: 196656
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 33.4
 88 12.6 0.0 24.6





#35

Dibromofluoromethane

Concen: 53.172 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD078683.D

Acq: 15 Mar 2024 13:02

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

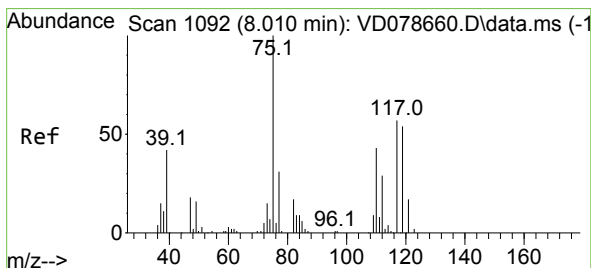
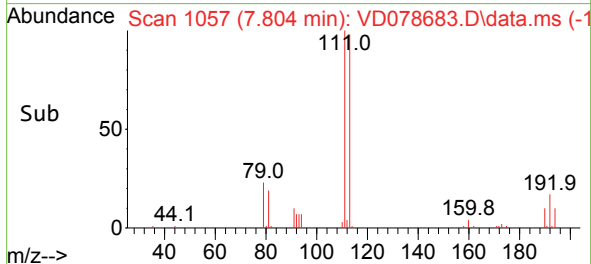
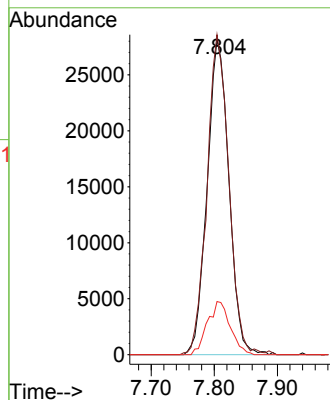
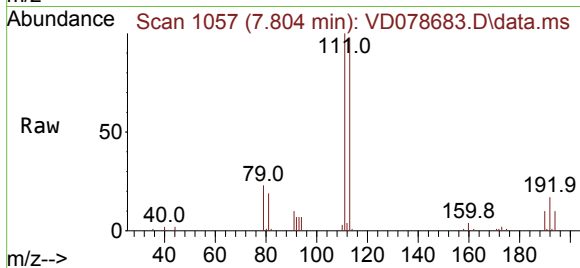
Tgt Ion:113 Resp: 67324

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

192 17.7 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078683.D

Acq: 15 Mar 2024 13:02

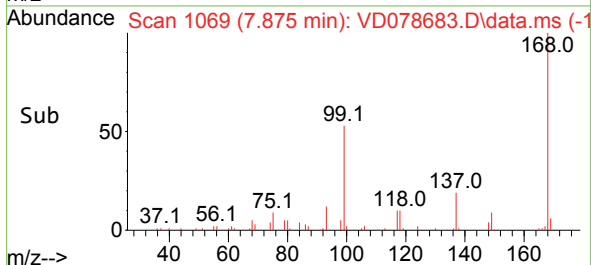
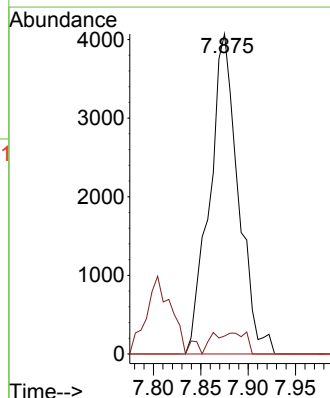
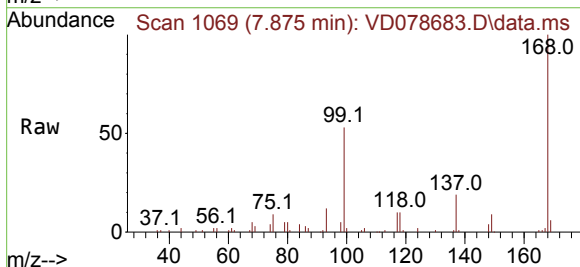
Tgt Ion: 75 Resp: 8586

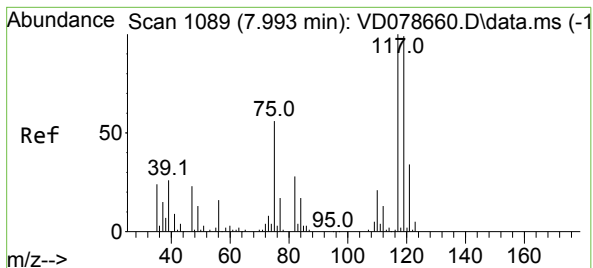
Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.256 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078683.D

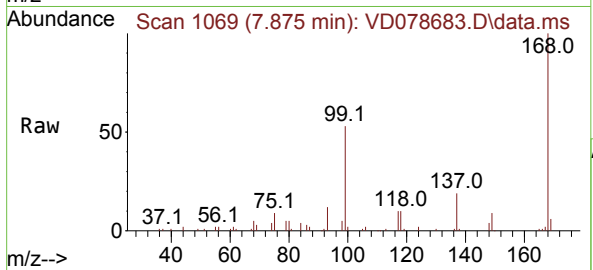
Acq: 15 Mar 2024 13:02

Instrument :

MSVOA_D

ClientSampleId :

VIBLK



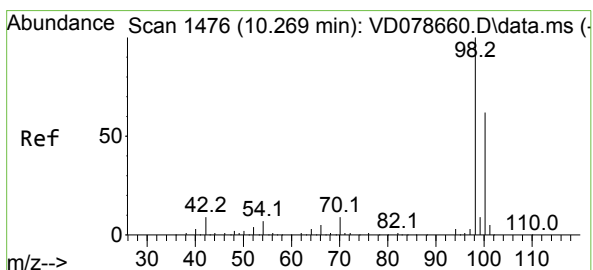
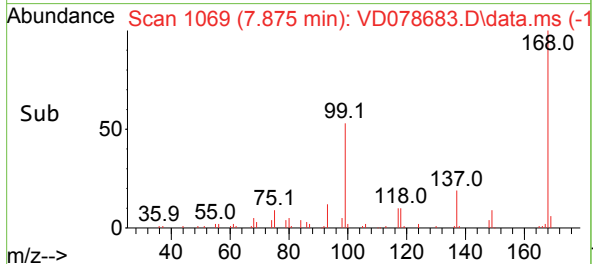
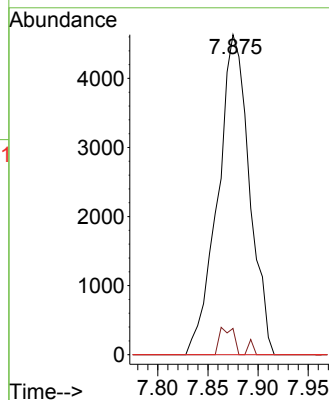
Tgt Ion:117 Resp: 10179

Ion Ratio Lower Upper

117 100

119 8.2 79.2 118.8#

121 0.0 26.8 40.2#



#50

Toluene-d8

Concen: 53.096 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078683.D

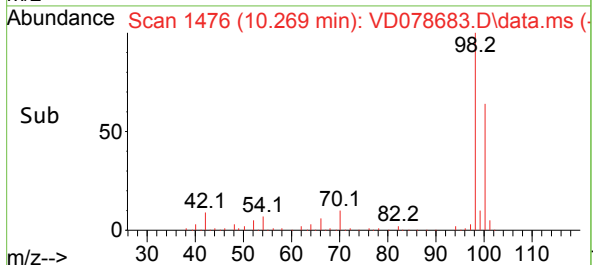
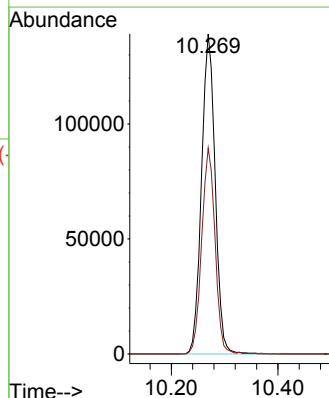
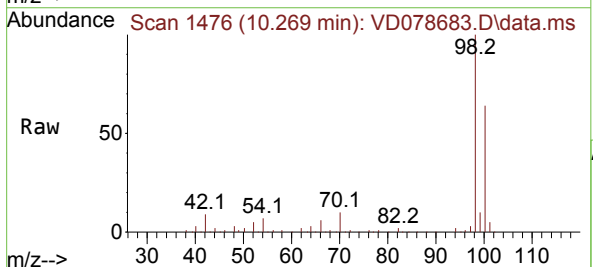
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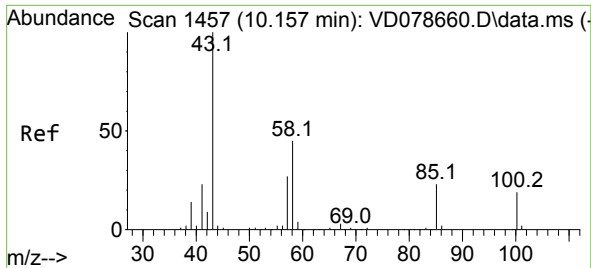
Tgt Ion: 98 Resp: 247245

Ion Ratio Lower Upper

98 100

100 62.9 50.5 75.7

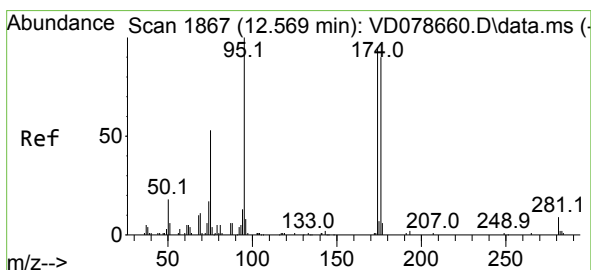
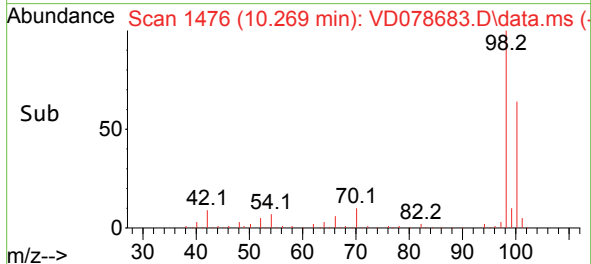
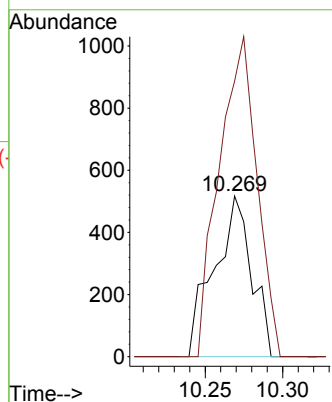
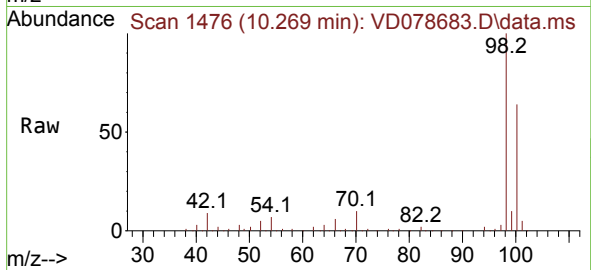




#51
4-Methyl-2-Pentanone
Concen: 1.525 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD078683.D
Acq: 15 Mar 2024 13:02

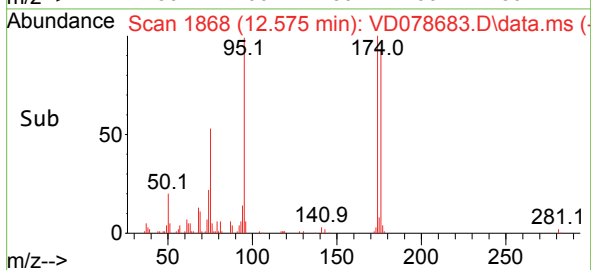
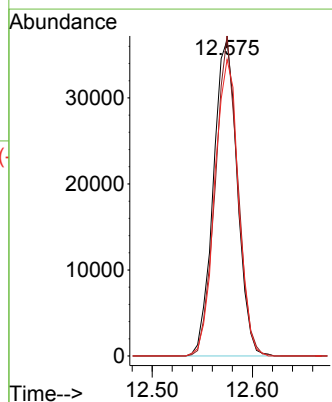
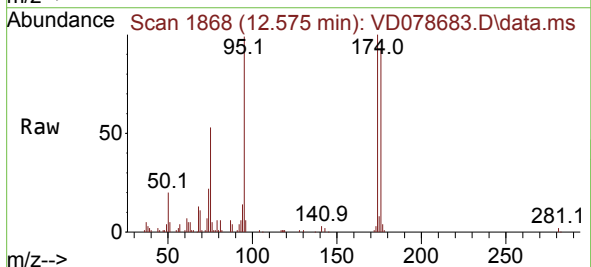
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

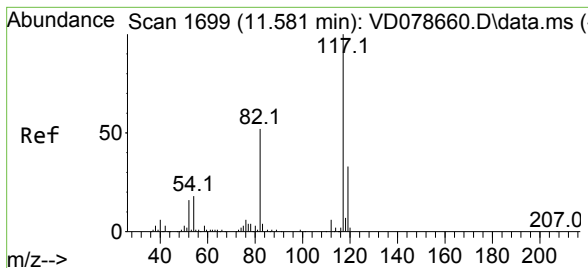
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 200.3 36.4 54.6#



#62
4-Bromofluorobenzene
Concen: 44.754 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078683.D
Acq: 15 Mar 2024 13:02

Tgt Ion: 95 Resp: 60969
Ion Ratio Lower Upper
95 100
174 94.9 0.0 195.2
176 93.5 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078683.D

Acq: 15 Mar 2024 13:02

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

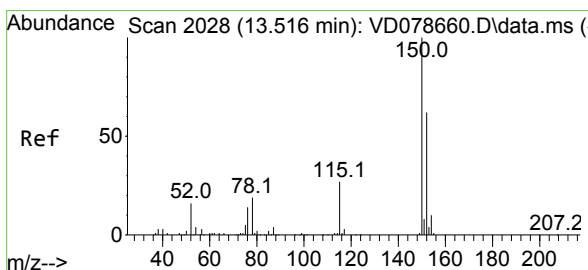
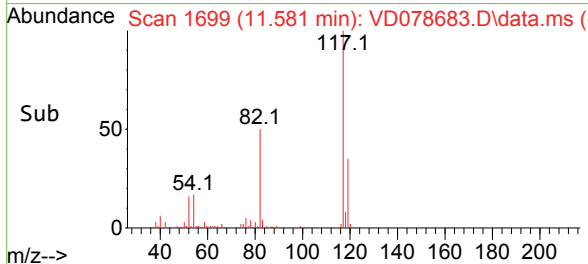
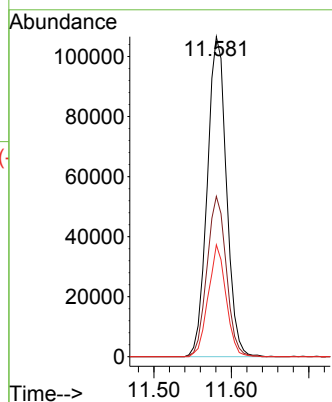
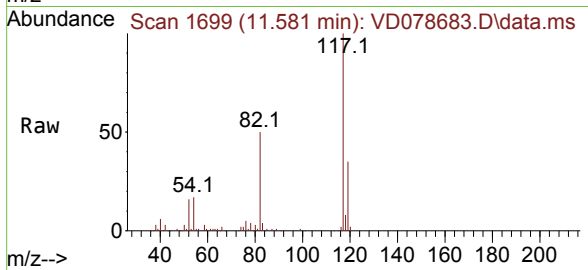
Tgt Ion:117 Resp: 183090

Ion Ratio Lower Upper

117 100

82 50.1 41.4 62.2

119 35.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078683.D

Acq: 15 Mar 2024 13:02

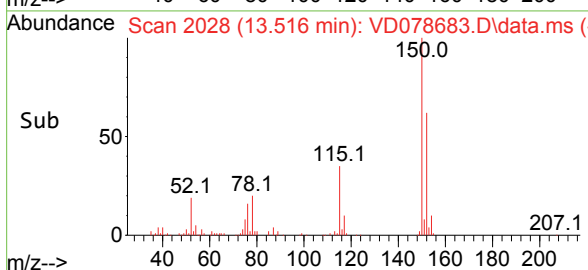
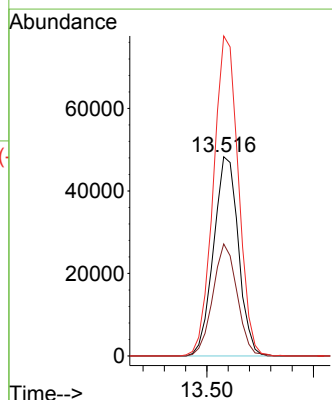
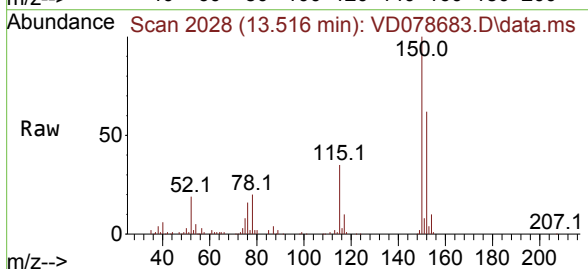
Tgt Ion:152 Resp: 78047

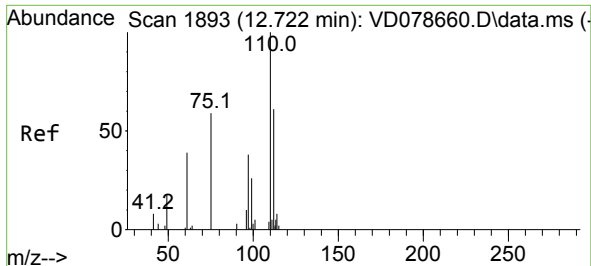
Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.2

150 161.5 0.0 350.2

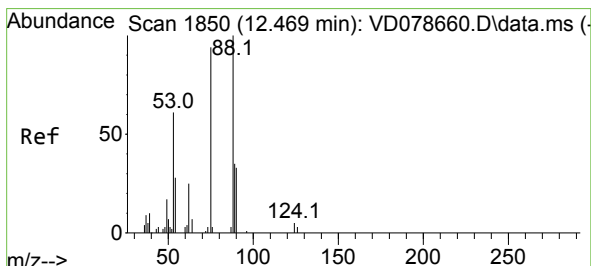
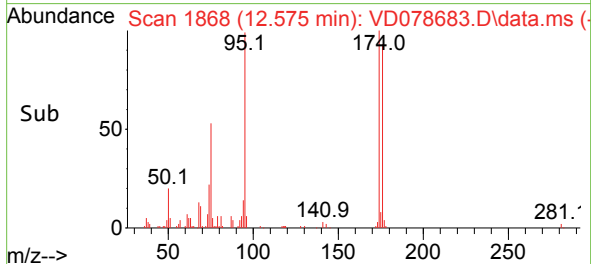
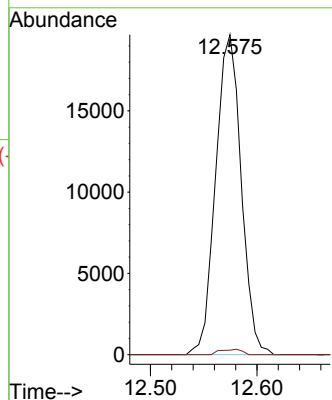
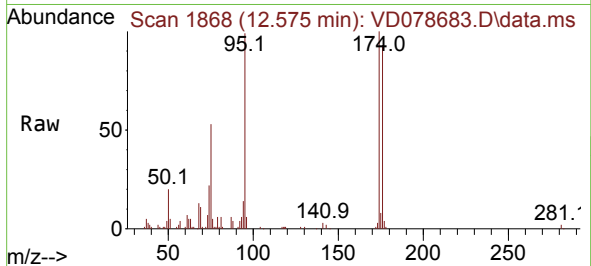




#76
1,2,3-Trichloropropane
Concen: 54.382 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078683.D
Acq: 15 Mar 2024 13:02

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 32700
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.993 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078683.D
Acq: 15 Mar 2024 13:02

Tgt Ion: 75 Resp: 32700
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#

