

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031424\
 Data File : VD078663.D
 Acq On : 14 Mar 2024 12:51
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 15 05:46:52 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)

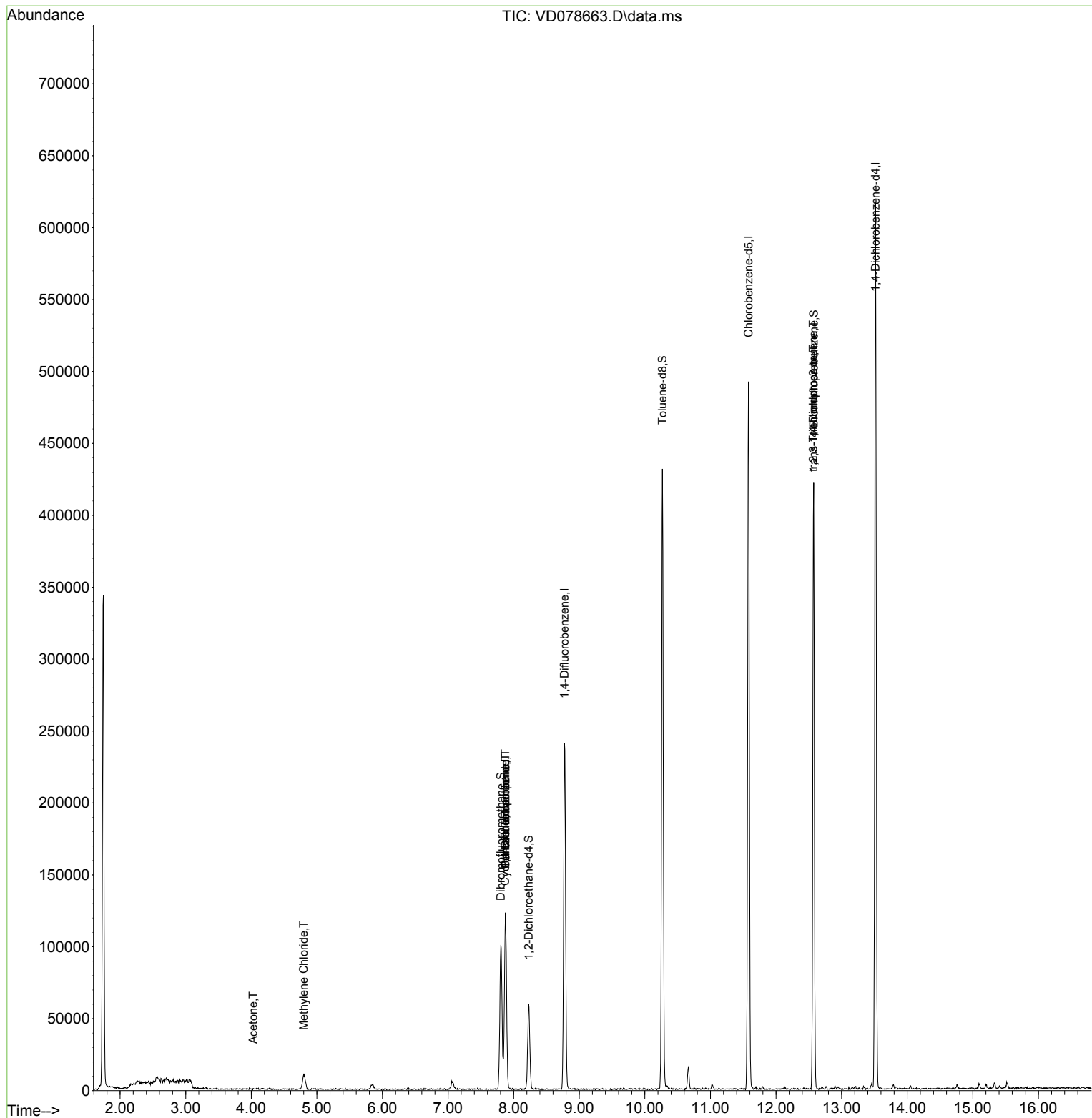
Internal Standards						
1) Pentafluorobenzene	7.875	168	99920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	228368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	307481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	165401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45290	48.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.740%
35) Dibromofluoromethane	7.804	113	73152	49.752	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.500%
50) Toluene-d8	10.269	98	312148	57.725	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.460%
62) 4-Bromofluorobenzene	12.575	95	128028	80.929	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	161.860%#
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	317	1.751	ug/l #	39
20) Methylene Chloride	4.799	84	8698	2.409	ug/l	88
31) Cyclohexane	7.869	56	1781	1.132	ug/l #	5
36) 1,1-Dichloropropene	7.875	75	7629	3.576	ug/l #	49
38) Carbon Tetrachloride	7.875	117	9751	4.336	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	63703	49.990	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	63703	104.787	ug/l #	19

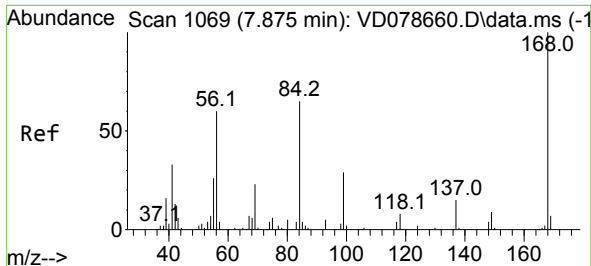
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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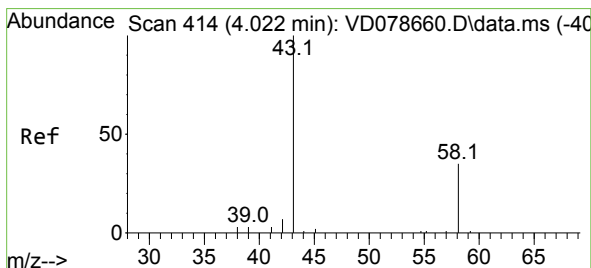
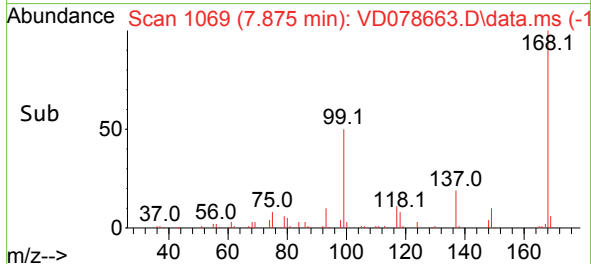
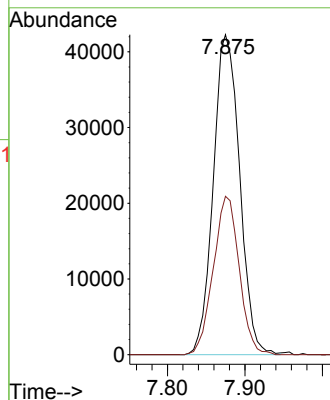
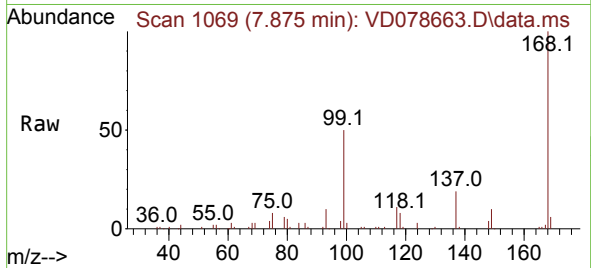




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

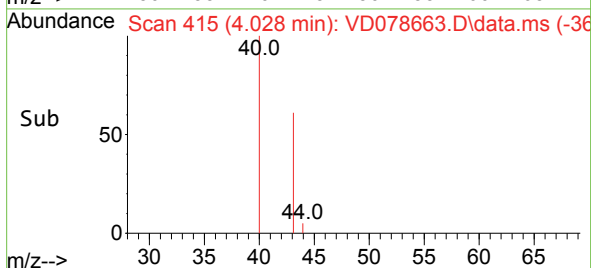
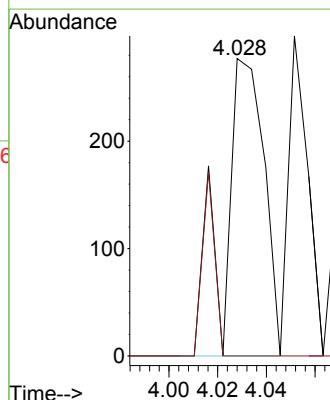
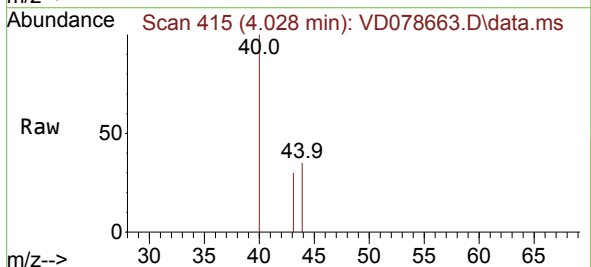
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

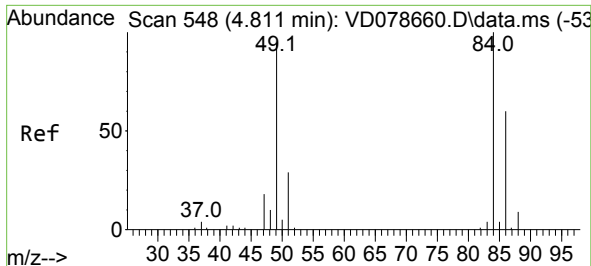
Tgt Ion:168 Resp: 99920
Ion Ratio Lower Upper
168 100
99 49.5 38.8 58.2



#16
Acetone
Concen: 1.751 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#

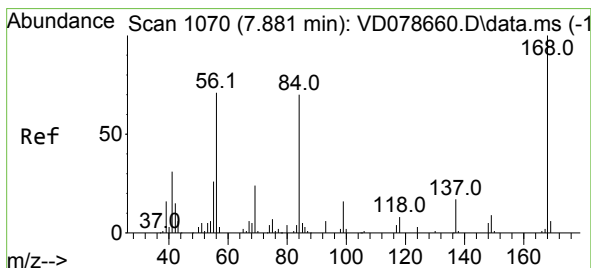
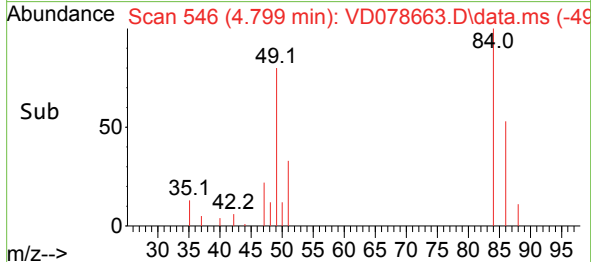
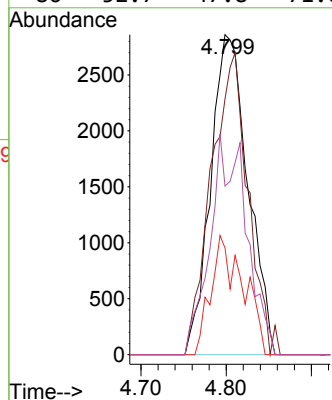
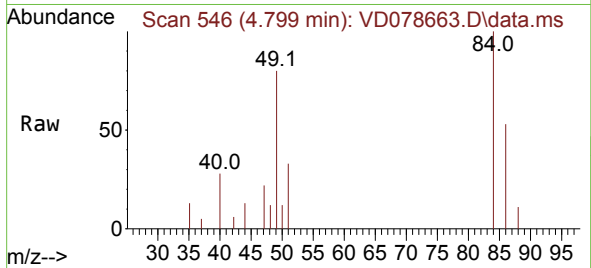




#20
Methylene Chloride
Concen: 2.409 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

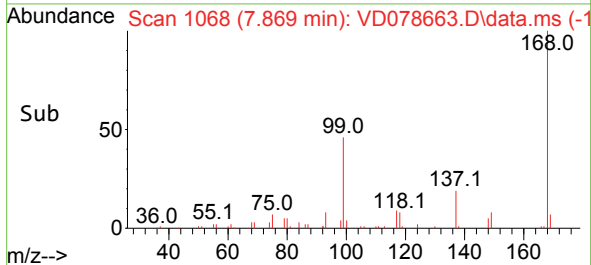
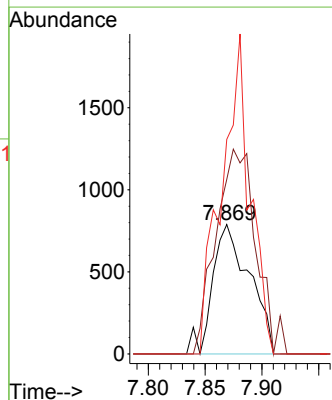
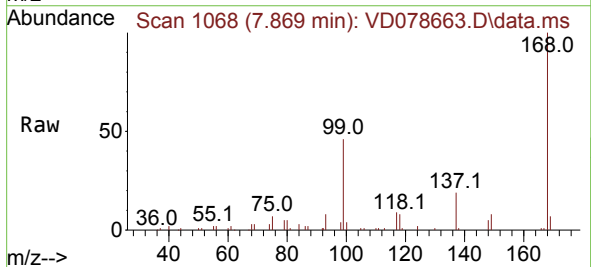
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

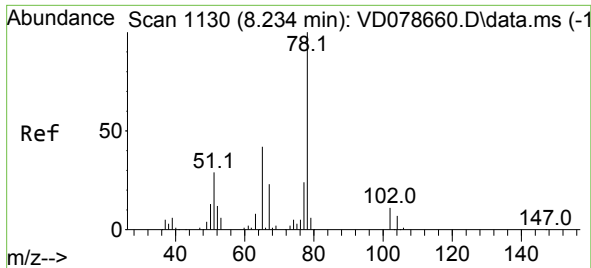
Tgt Ion:	84	Resp:	8698
Ion	Ratio	Lower	Upper
84	100		
49	79.9	75.6	113.4
51	33.4	23.4	35.0
86	52.7	47.8	71.6



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

Tgt Ion:	56	Resp:	1781
Ion	Ratio	Lower	Upper
56	100		
69	134.9	26.6	40.0#
84	165.7	79.4	119.2#





#33

1,2-Dichloroethane-d4

Concen: 48.365 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078663.D

Acq: 14 Mar 2024 12:51

Instrument :

MSVOA_D

ClientSampleId :

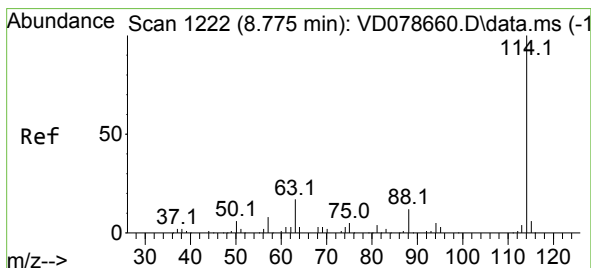
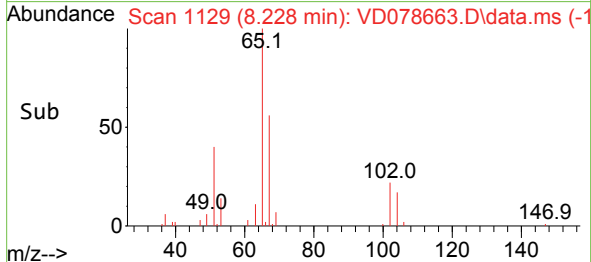
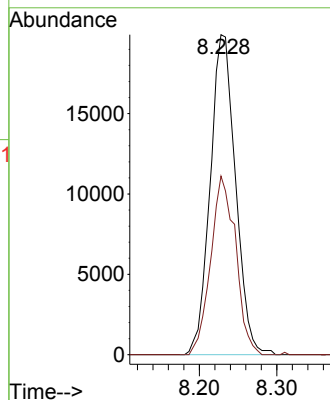
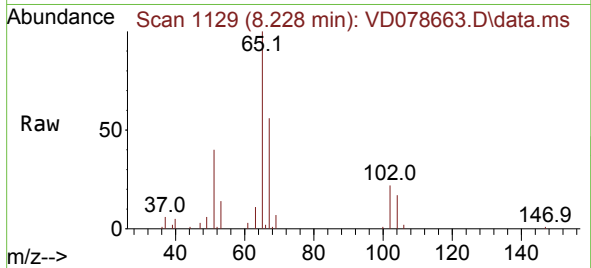
VIBLK

Tgt Ion: 65 Resp: 45290

Ion Ratio Lower Upper

65 100

67 54.9 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: VD078663.D

Acq: 14 Mar 2024 12:51

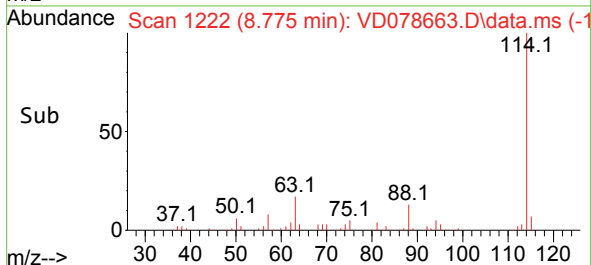
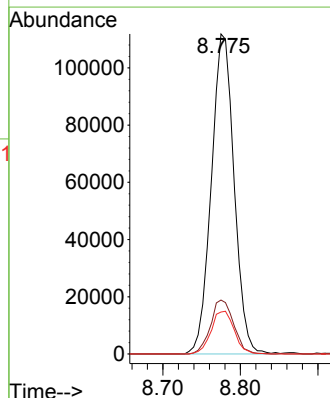
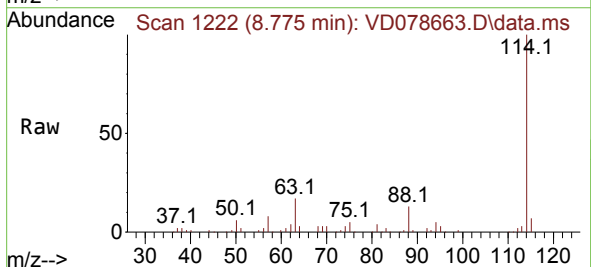
Tgt Ion: 114 Resp: 228368

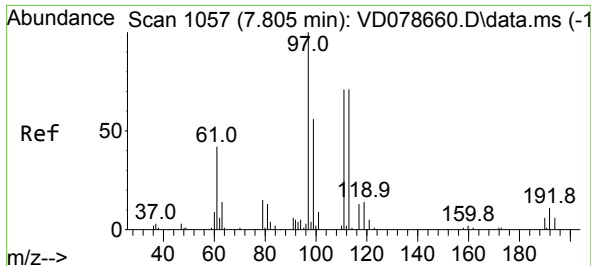
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 13.1 0.0 24.6

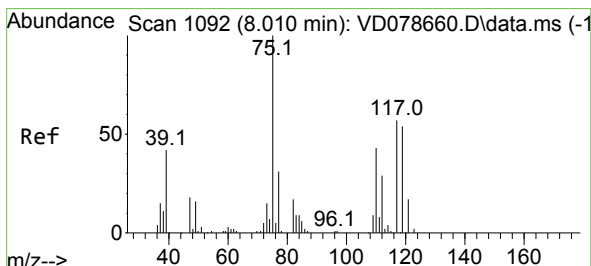
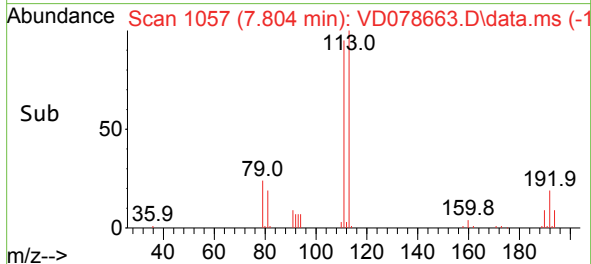
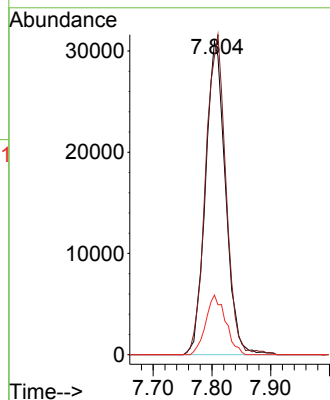
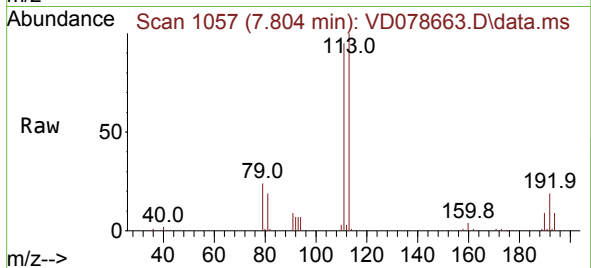




#35
Dibromofluoromethane
Concen: 49.752 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

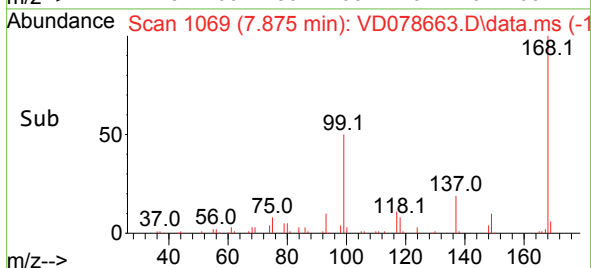
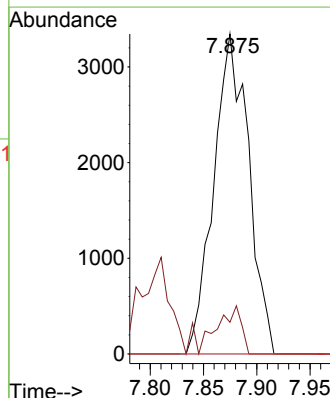
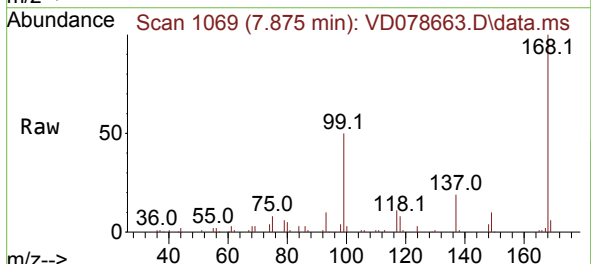
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

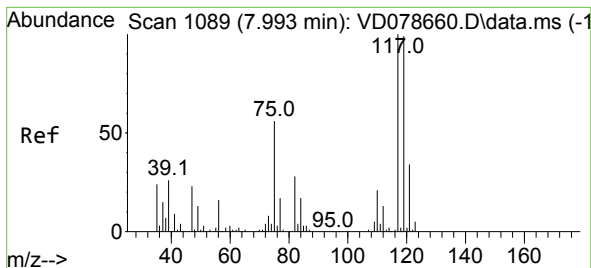
Tgt Ion:113 Resp: 73152
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 18.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 3.576 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

Tgt Ion: 75 Resp: 7629
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.1#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.336 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078663.D

Acq: 14 Mar 2024 12:51

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

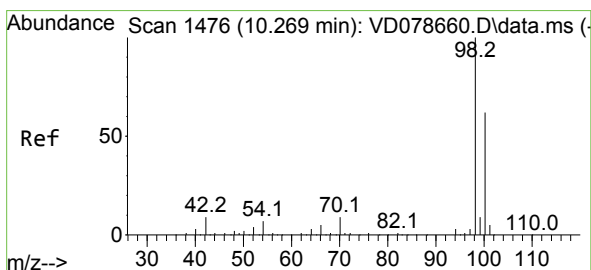
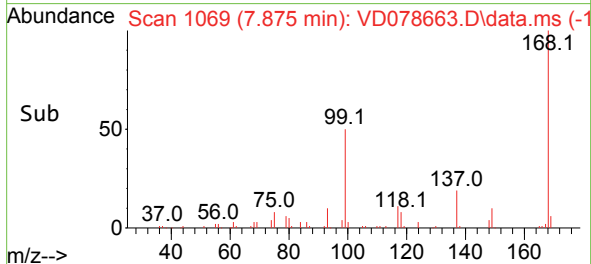
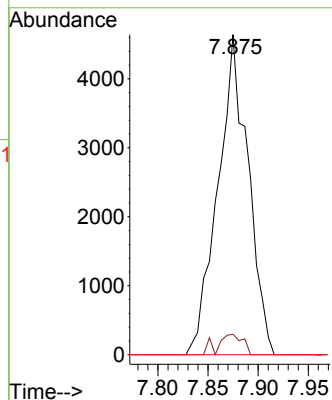
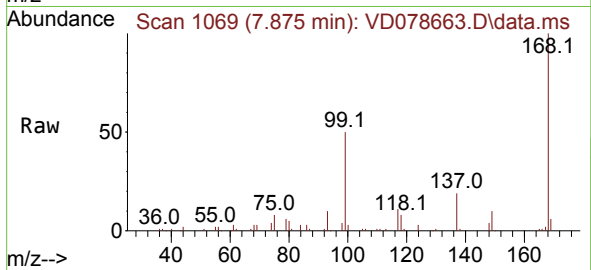
Tgt Ion:117 Resp: 9751

Ion Ratio Lower Upper

117 100

119 6.4 79.2 118.8#

121 0.0 26.8 40.2#



#50

Toluene-d8

Concen: 57.725 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078663.D

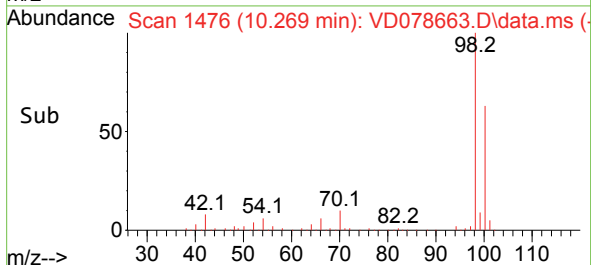
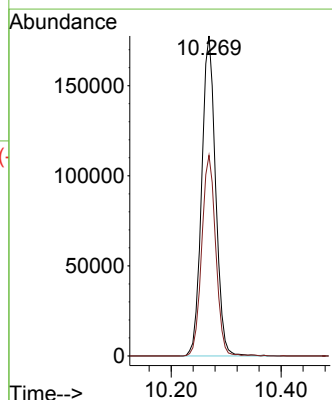
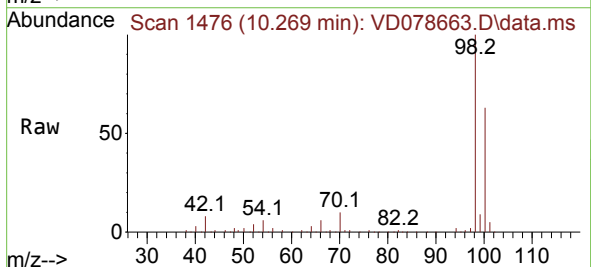
Acq: 14 Mar 2024 12:51

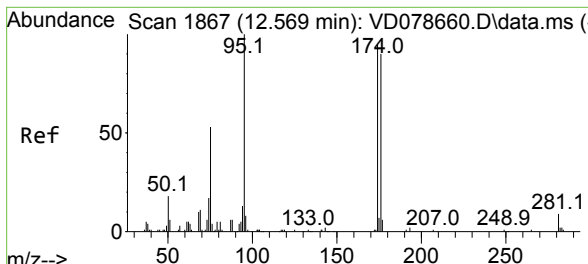
Tgt Ion: 98 Resp: 312148

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7

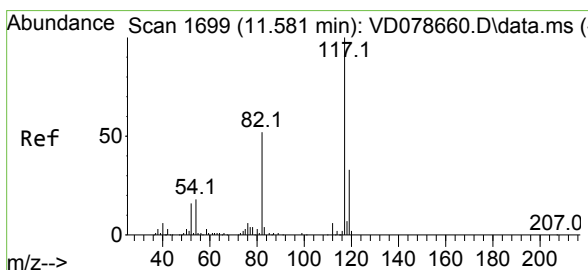
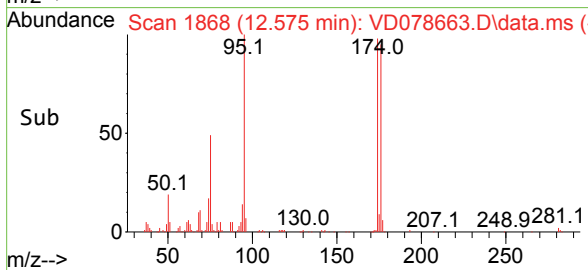
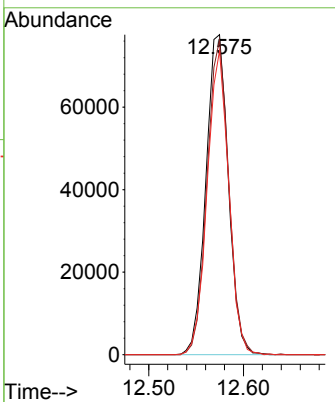
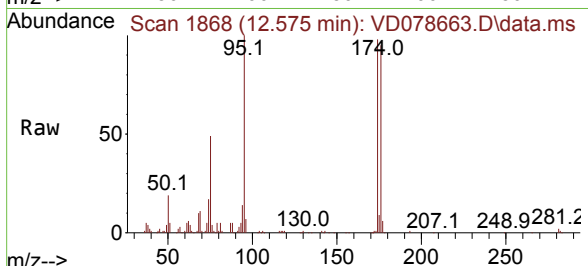




#62
4-Bromofluorobenzene
Concen: 80.929 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

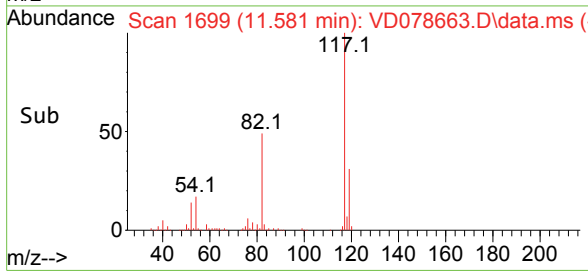
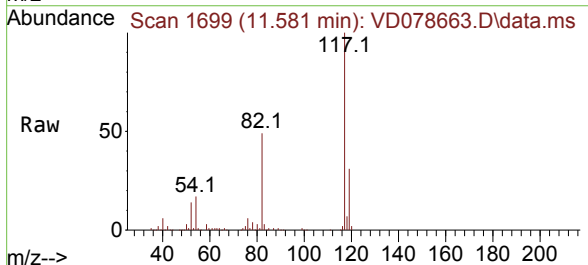
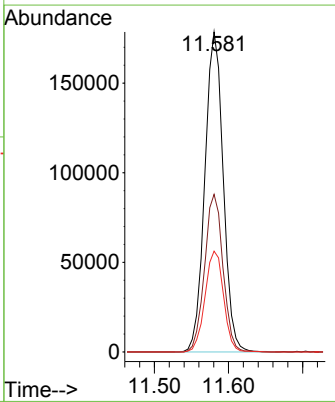
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VIBLK

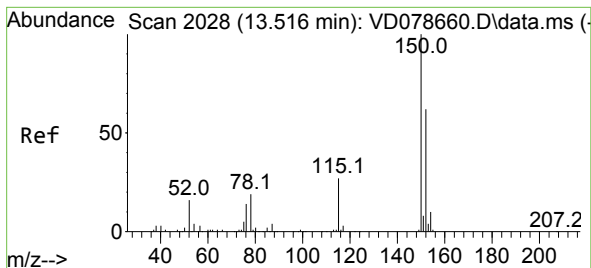
Tgt Ion:	95	Resp:	128028
Ion Ratio	Lower	Upper	
95	100		
174	95.3	0.0	195.2
176	90.9	0.0	188.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

Tgt Ion:	117	Resp:	307481
Ion Ratio	Lower	Upper	
117	100		
82	49.3	41.4	62.2
119	31.5	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: VD078663.D

Acq: 14 Mar 2024 12:51

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

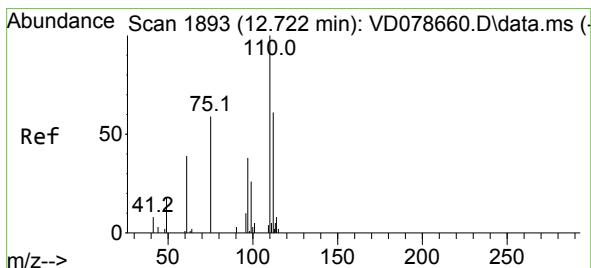
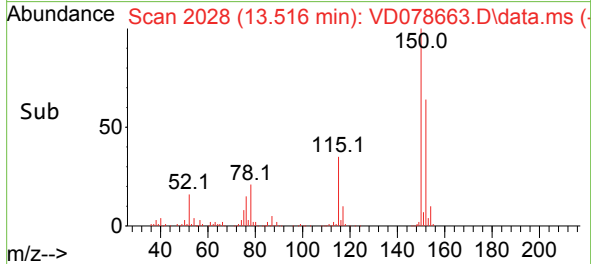
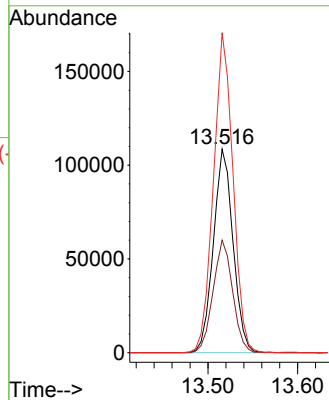
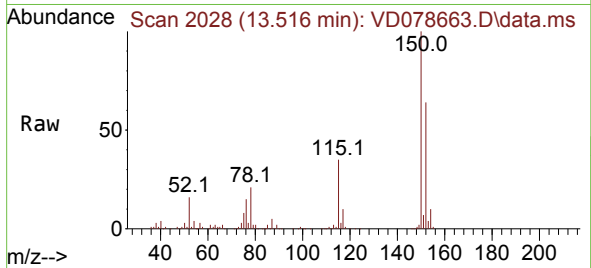
Tgt Ion:152 Resp: 165401

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.2

150 155.9 0.0 350.2



#76

1,2,3-Trichloropropane

Concen: 49.990 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD078663.D

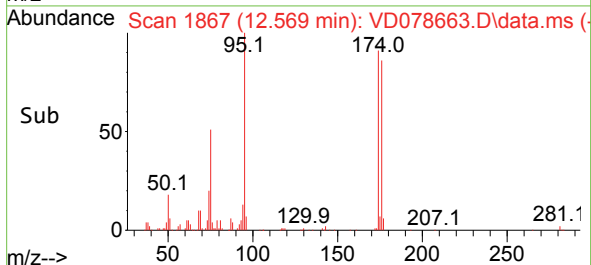
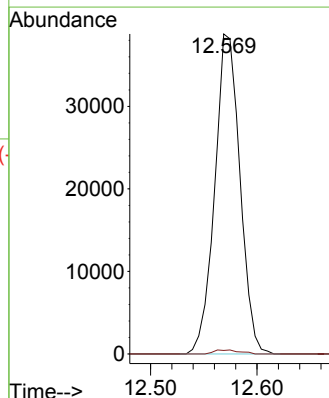
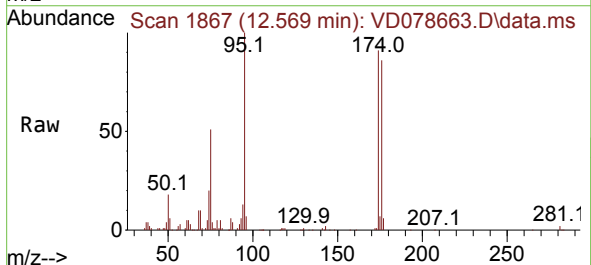
Acq: 14 Mar 2024 12:51

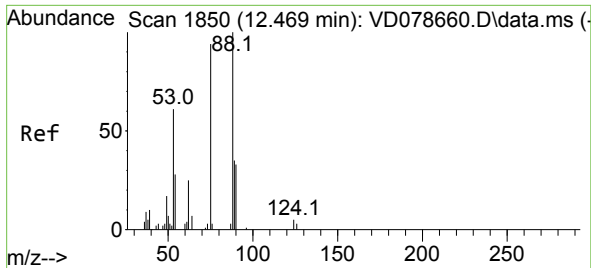
Tgt Ion: 75 Resp: 63703

Ion Ratio Lower Upper

75 100

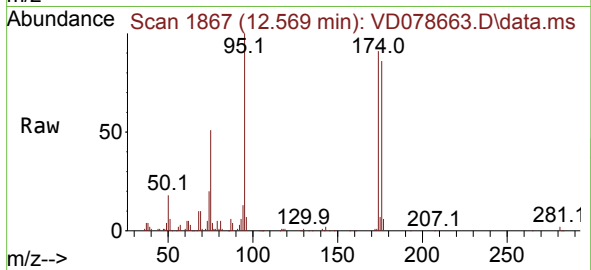
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 104.787 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD078663.D
Acq: 14 Mar 2024 12:51

Instrument :
MSVOA_D
ClientSampleId :
VIBLK



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.1	35.4	53.0#

