

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061223\
 Data File : VD076394.D
 Acq On : 12 Jun 2023 15:18
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 13 02:06:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

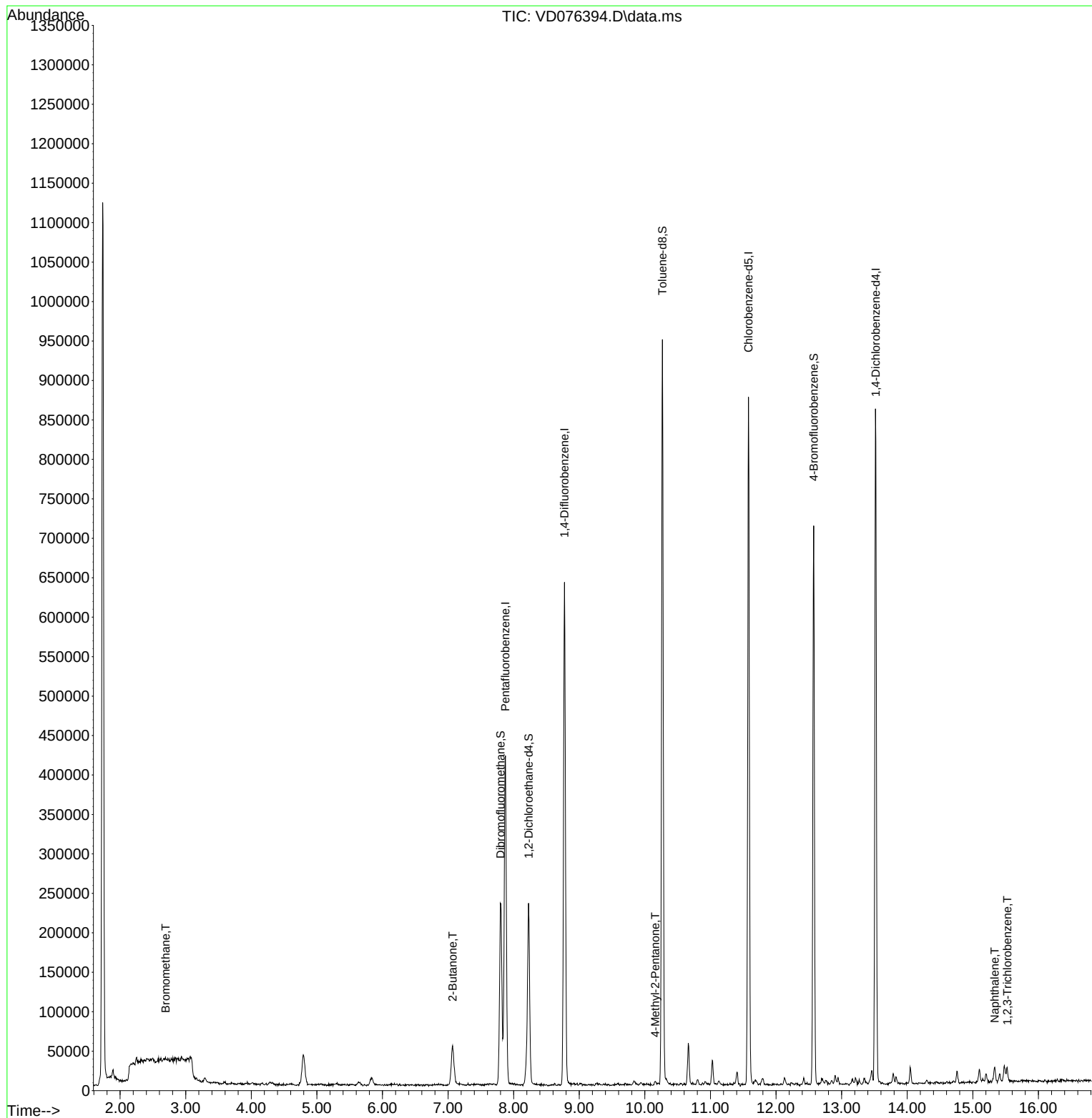
Internal Standards						
1) Pentafluorobenzene	7.875	168	330069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	552156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	486603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	226699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	171618	45.016	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.040%
35) Dibromofluoromethane	7.799	113	170584	47.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.600%
50) Toluene-d8	10.269	98	637101	47.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.220%
62) 4-Bromofluorobenzene	12.575	95	215570	46.465	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.920%
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	2907	1.039	ug/l #	67
25) 2-Butanone	7.069	43	4693	3.580	ug/l	87
28) Bromochloromethane	7.428	49	85	Below Cal	#	44
51) 4-Methyl-2-Pentanone	10.157	43	2952	1.035	ug/l	91
95) Naphthalene	15.334	128	16621	1.796	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.528	180	6004	1.509	ug/l	96

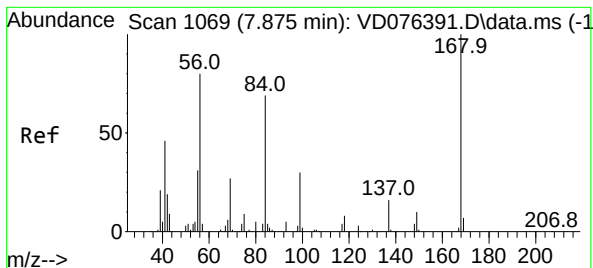
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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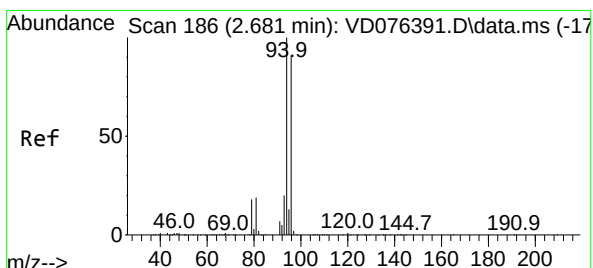
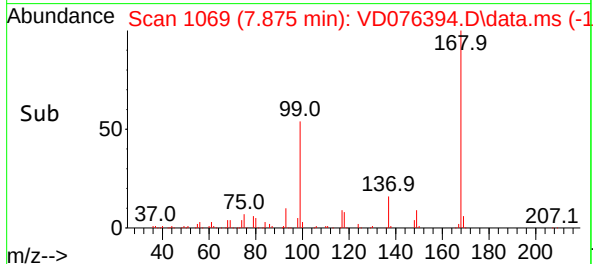
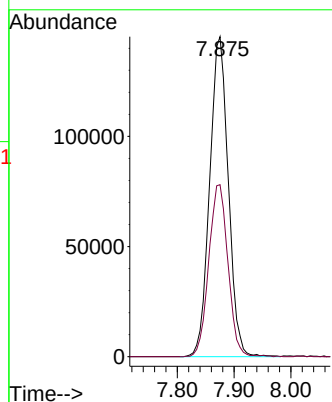
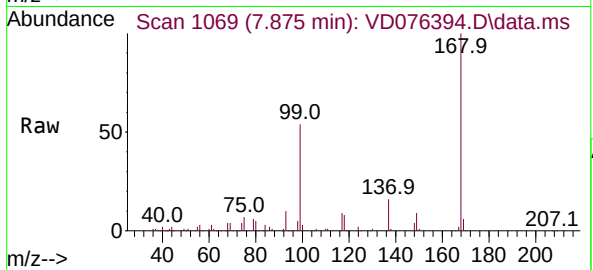




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

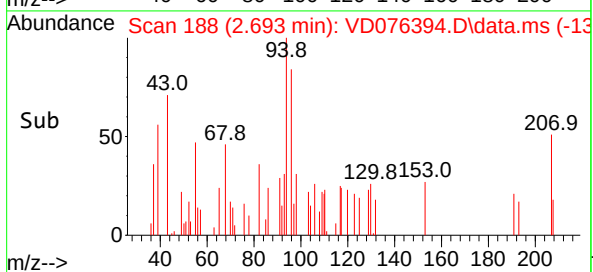
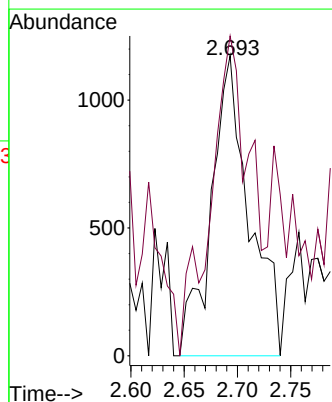
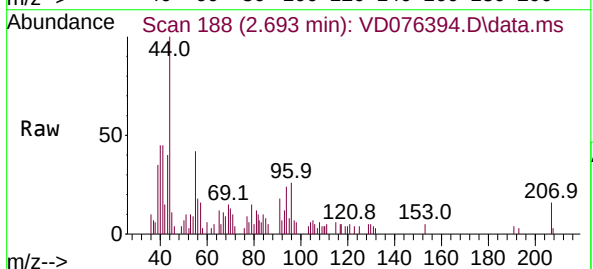
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

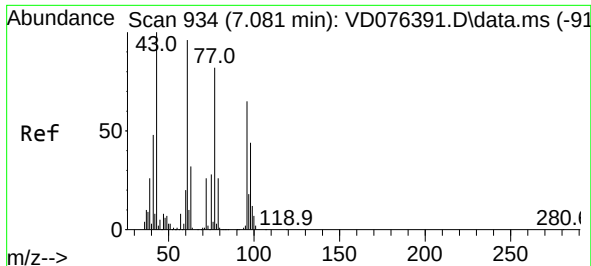
Tgt Ion:168 Resp: 330069
Ion Ratio Lower Upper
168 100
99 53.8 36.7 55.1



#5
Bromomethane
Concen: 1.039 ug/l
RT: 2.693 min Scan# 188
Delta R.T. 0.012 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 94 Resp: 2907
Ion Ratio Lower Upper
94 100
96 63.2 75.8 113.8#

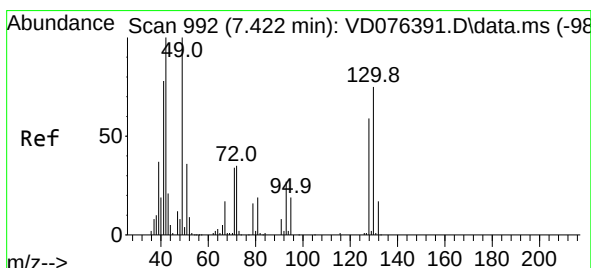
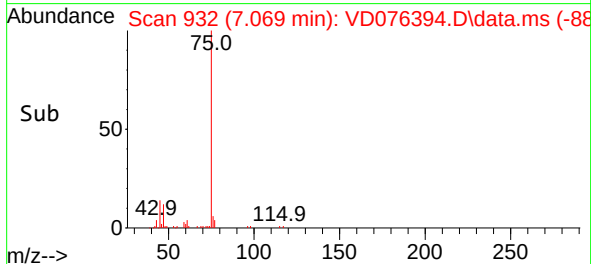
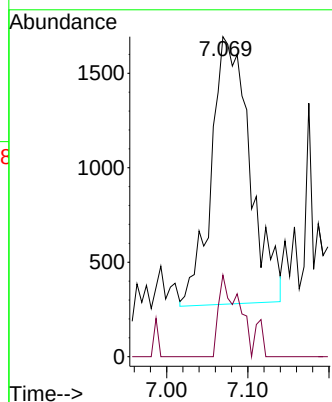
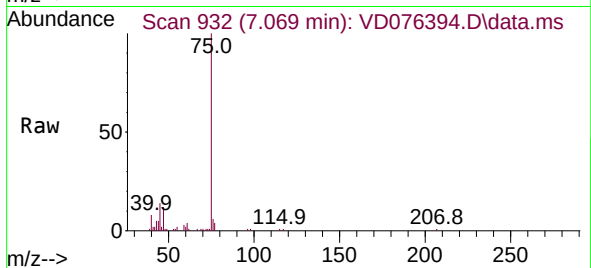




#25
2-Butanone
Concen: 3.580 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

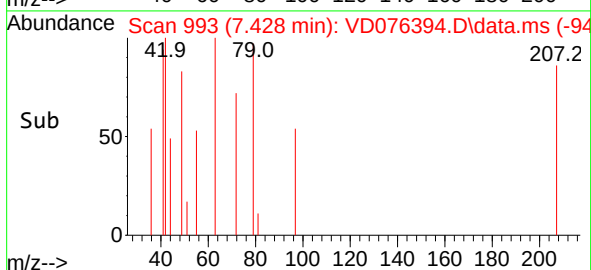
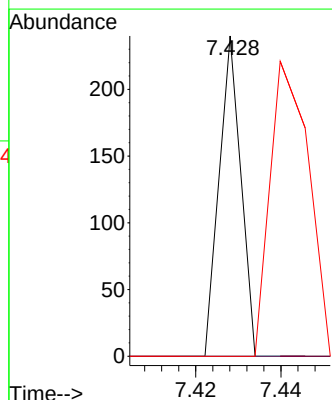
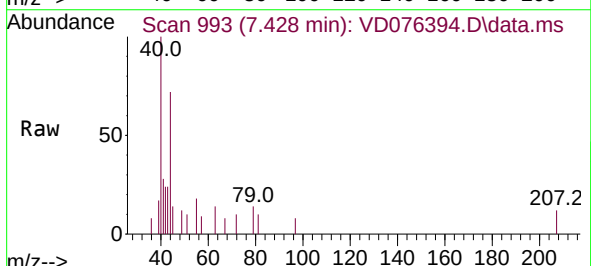
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

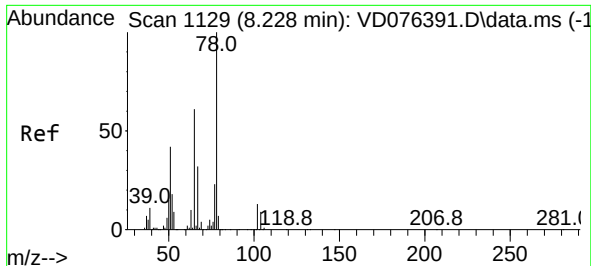
Tgt Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
72 30.8 30.7 46.1



#28
Bromochloromethane
Concen: Below Cal
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 49 Resp: 85
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 162.4 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 45.016 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076394.D

Acq: 12 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

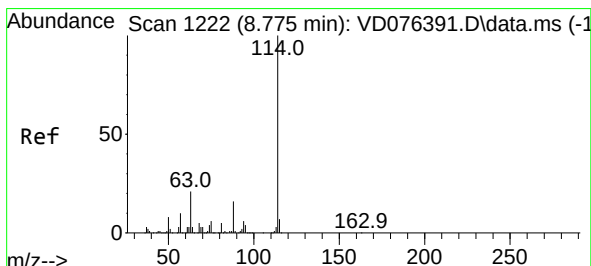
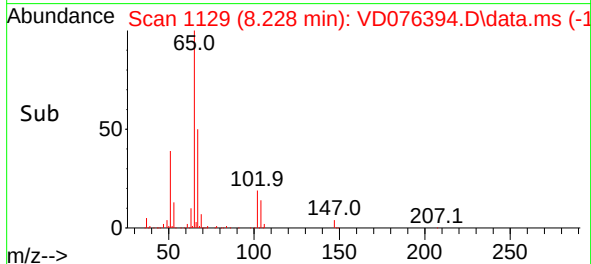
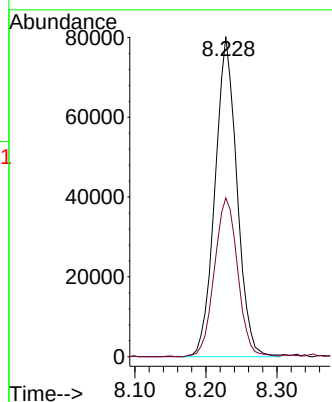
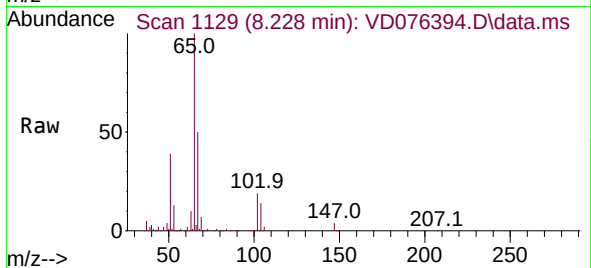
VIBLK

Tgt Ion: 65 Resp: 171618

Ion Ratio Lower Upper

65 100

67 52.6 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: VD076394.D

Acq: 12 Jun 2023 15:18

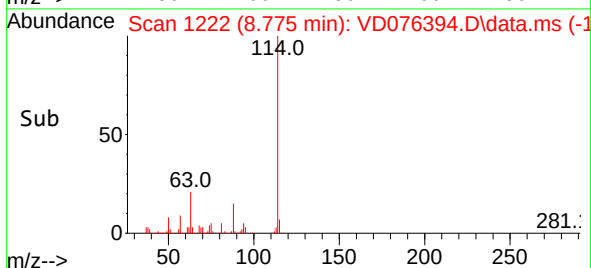
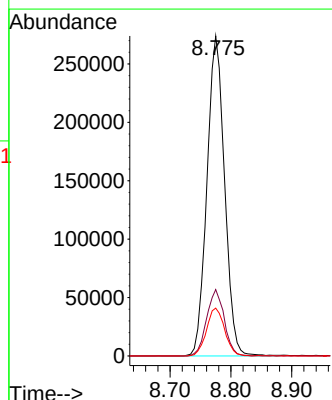
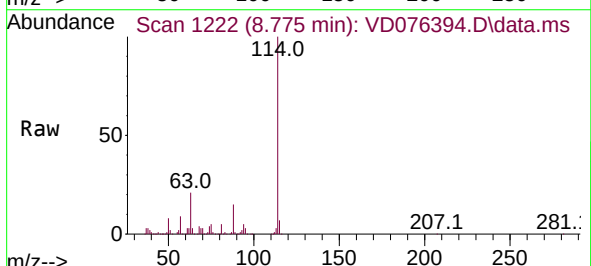
Tgt Ion: 114 Resp: 552156

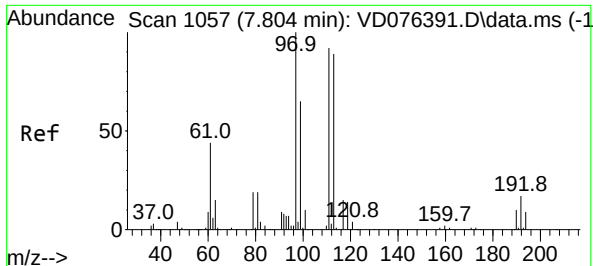
Ion Ratio Lower Upper

114 100

63 20.8 0.0 33.4

88 14.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.801 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076394.D

Acq: 12 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

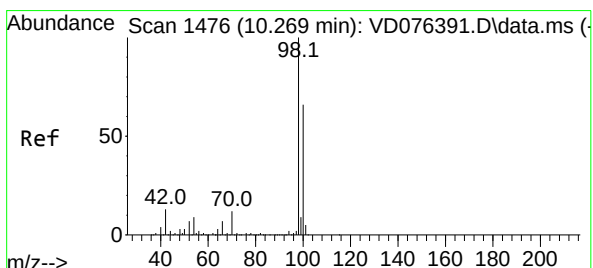
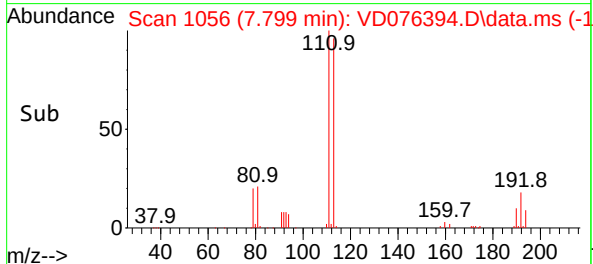
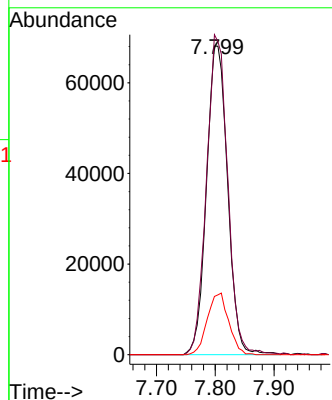
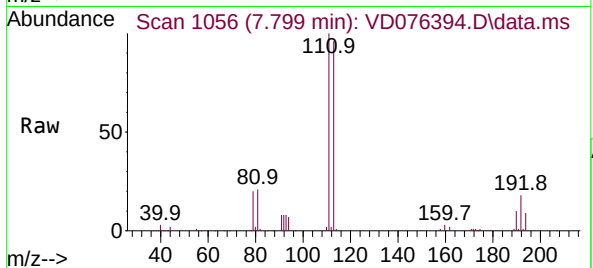
Tgt Ion:113 Resp: 170584

Ion Ratio Lower Upper

113 100

111 103.8 84.7 127.1

192 20.1 16.8 25.2



#50

Toluene-d8

Concen: 47.110 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076394.D

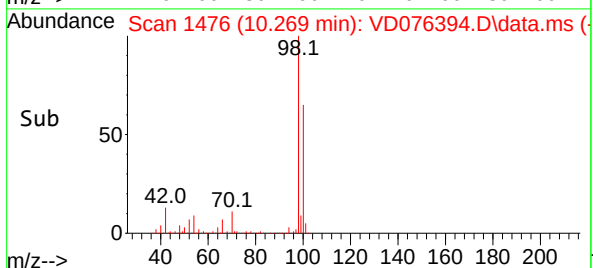
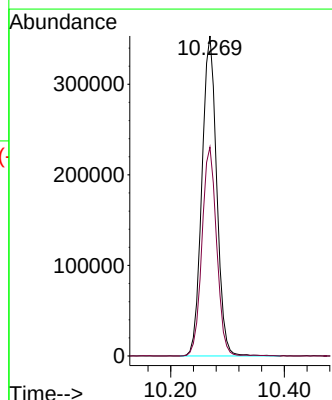
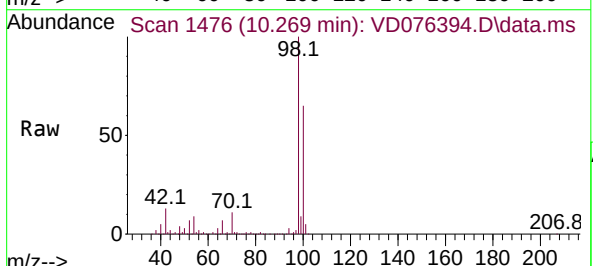
Acq: 12 Jun 2023 15:18

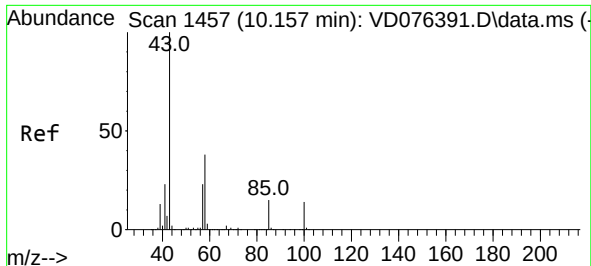
Tgt Ion: 98 Resp: 637101

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5

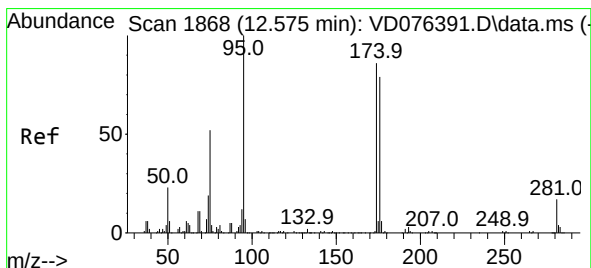
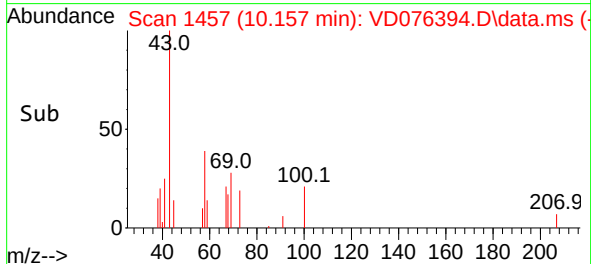
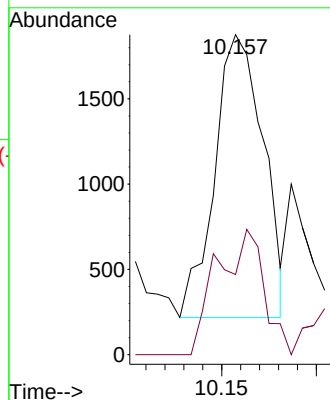
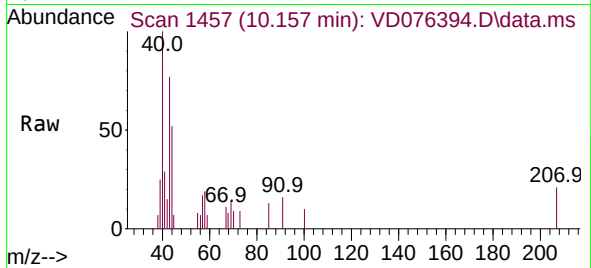




#51
4-Methyl-2-Pentanone
Concen: 1.035 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

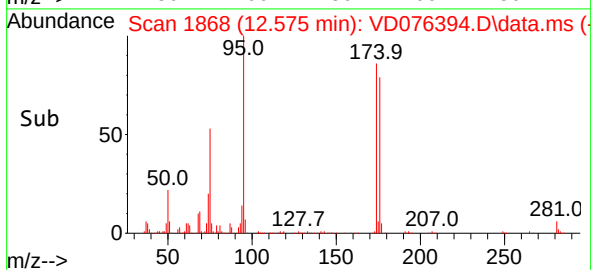
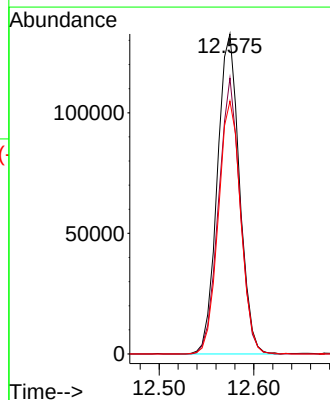
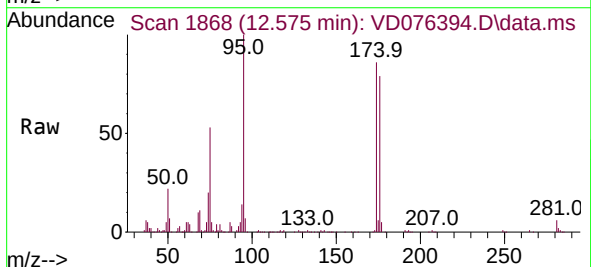
Instrument :
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VIBLK

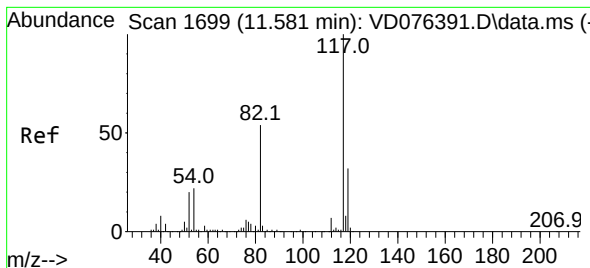
Tgt Ion: 43 Resp: 2952
Ion Ratio Lower Upper
43 100
58 42.4 38.9 58.3



#62
4-Bromofluorobenzene
Concen: 46.465 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 95 Resp: 215570
Ion Ratio Lower Upper
95 100
174 83.5 0.0 201.8
176 79.9 0.0 191.8

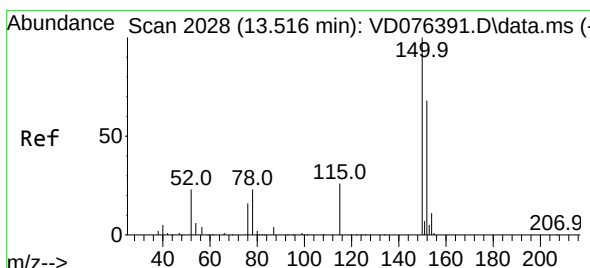
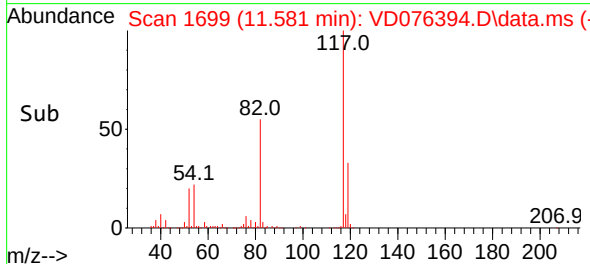
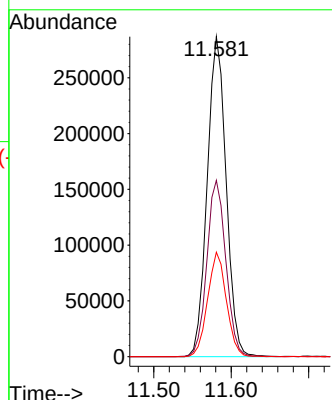
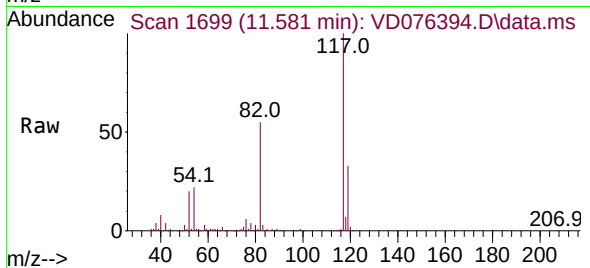




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

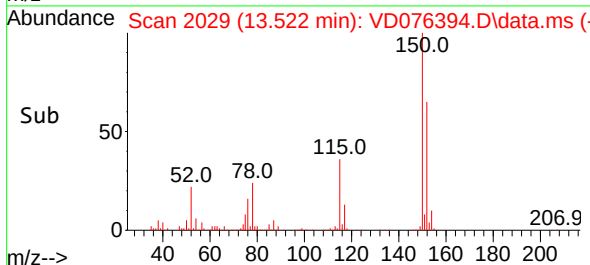
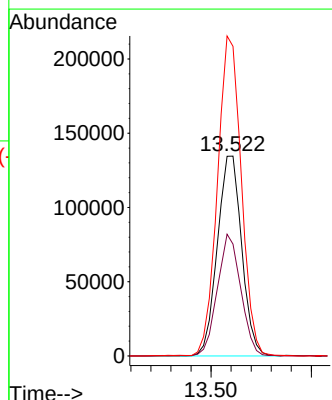
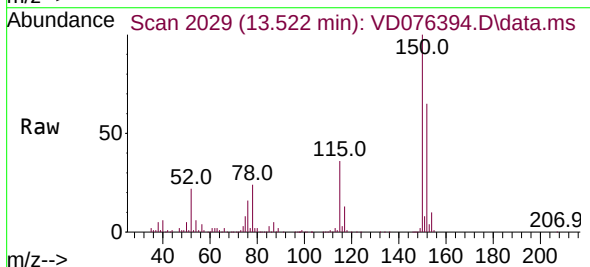
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VIBLK

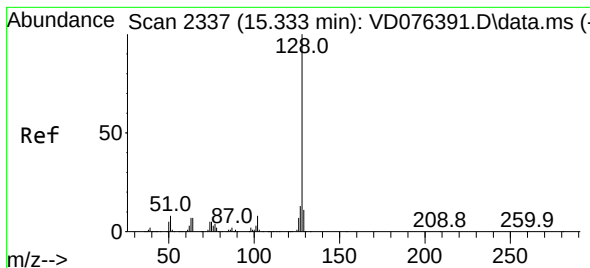
Tgt Ion:117 Resp: 486603
Ion Ratio Lower Upper
117 100
82 55.0 38.3 57.5
119 32.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion:152 Resp: 226699
Ion Ratio Lower Upper
152 100
115 58.5 27.1 81.3
150 157.1 0.0 353.6





#95

Naphthalene

Concen: 1.796 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD076394.D

Acq: 12 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

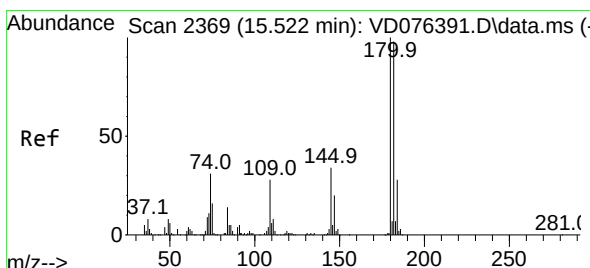
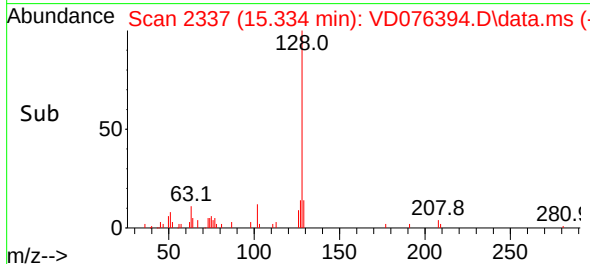
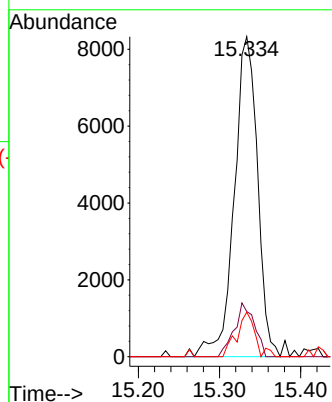
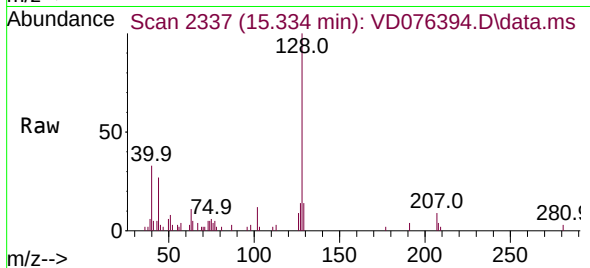
Tgt Ion:128 Resp: 16621

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 13.9 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 1.509 ug/l

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD076394.D

Acq: 12 Jun 2023 15:18

Tgt Ion:180 Resp: 6004

Ion Ratio Lower Upper

180 100

182 89.4 47.3 141.9

145 30.5 15.1 45.3

