

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092022\
 Data File : VD074369.D
 Acq On : 20 Sep 2022 16:51
 Operator : VA/SY
 Sample : N4668-02
 Misc : 6.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D22007-17.5

Quant Time: Sep 21 02:25:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

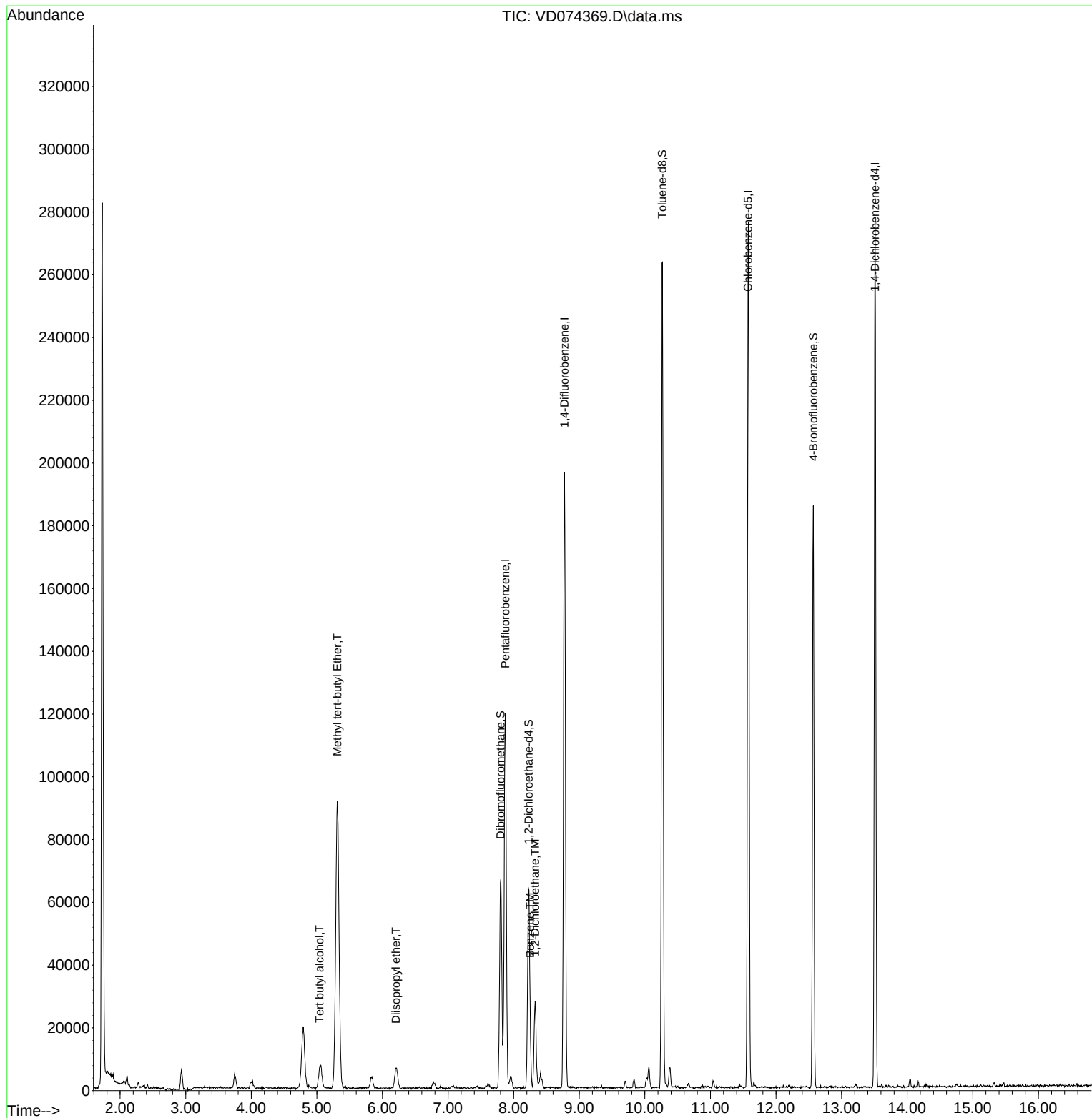
Internal Standards						
1) Pentafluorobenzene	7.875	168	94418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	175408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	161305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	73374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46983	51.088	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.180%	
35) Dibromofluoromethane	7.799	113	48920	42.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.700%	
50) Toluene-d8	10.263	98	186642	46.822	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.640%	
62) 4-Bromofluorobenzene	12.569	95	55694	40.095	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.180%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.040	59	14985	241.112	ug/l	# 74
19) Methyl tert-butyl Ether	5.310	73	159626	73.621	ug/l	98
22) Diisopropyl ether	6.205	45	8122	2.632	ug/l	98
40) Benzene	8.251	78	9695	1.961	ug/l	91
42) 1,2-Dichloroethane	8.328	62	2691	2.131	ug/l	86

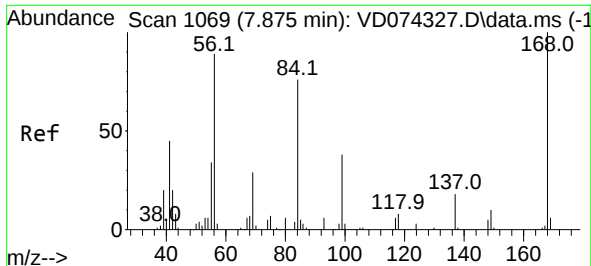
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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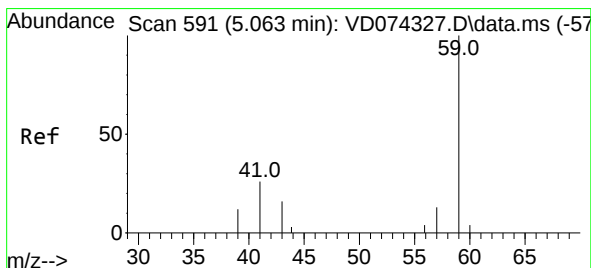
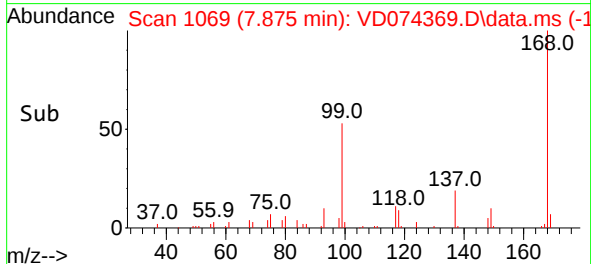
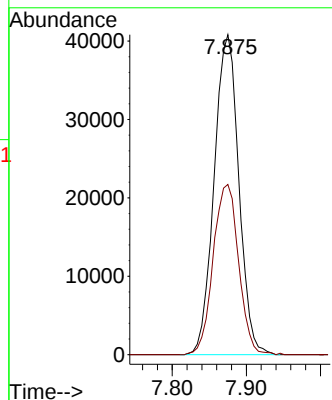
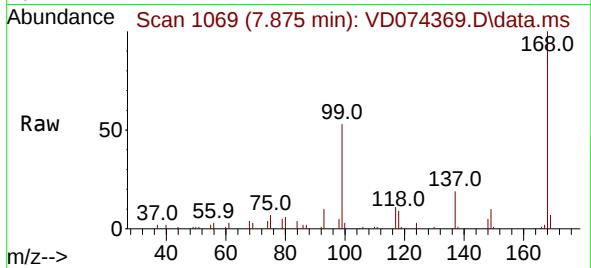




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

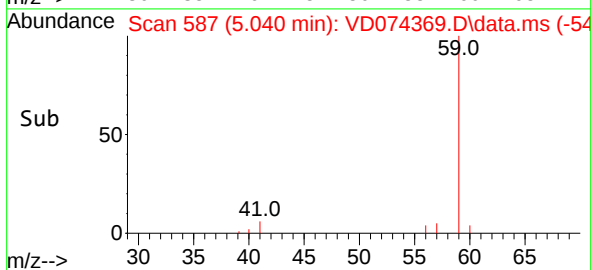
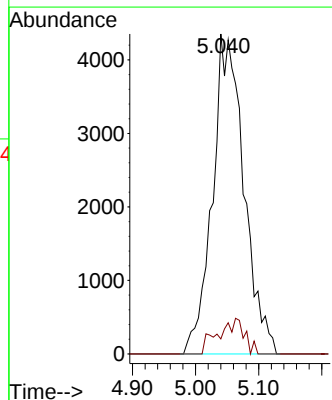
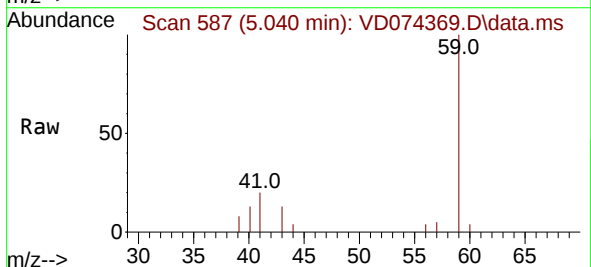
Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

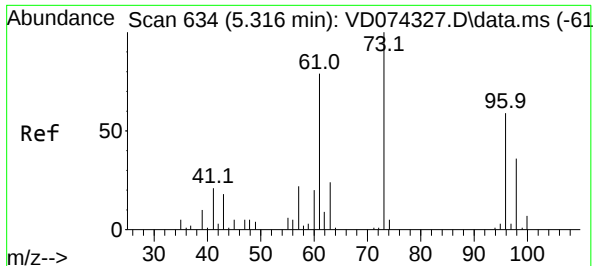
Tgt Ion:168 Resp: 94418
Ion Ratio Lower Upper
168 100
99 53.2 43.0 64.6



#11
Tert butyl alcohol
Concen: 241.112 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.023 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 59 Resp: 14985
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#19

Methyl tert-butyl Ether

Concen: 73.621 ug/l

RT: 5.310 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :

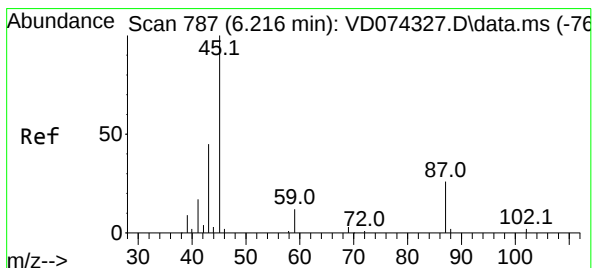
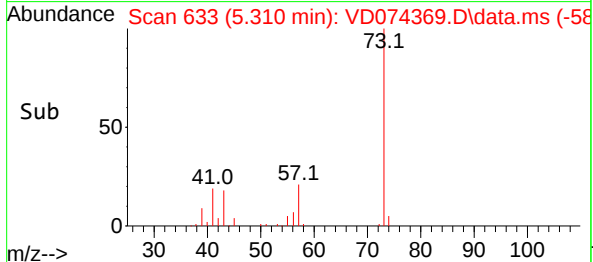
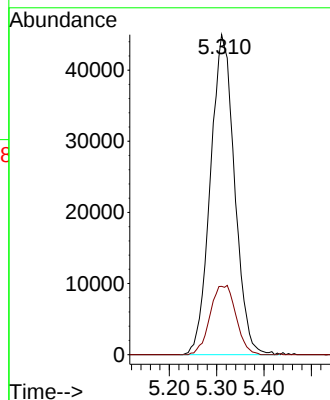
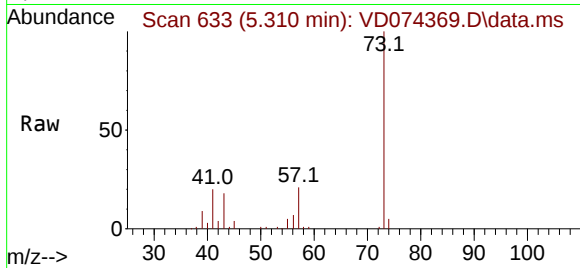
D22007-17.5

Tgt Ion: 73 Resp: 159626

Ion Ratio Lower Upper

73 100

57 21.3 17.8 26.6



#22

Diisopropyl ether

Concen: 2.632 ug/l

RT: 6.205 min Scan# 785

Delta R.T. -0.011 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

Tgt Ion: 45 Resp: 8122

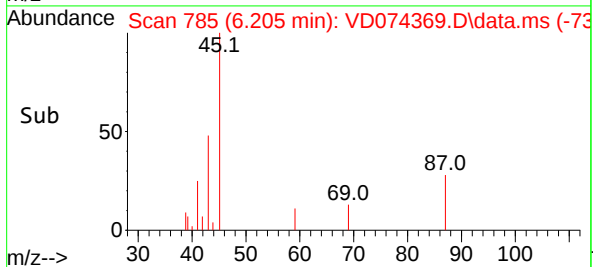
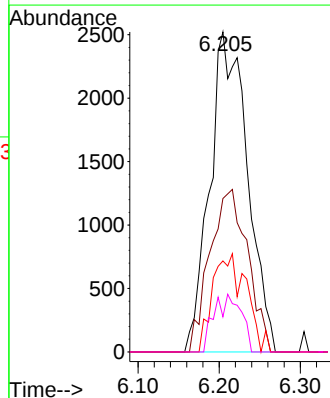
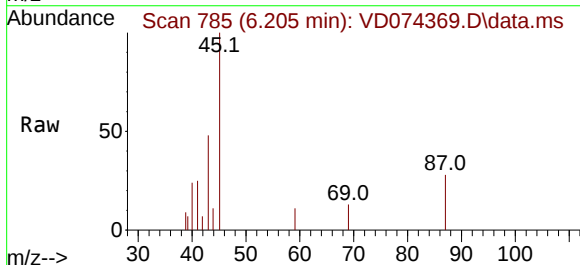
Ion Ratio Lower Upper

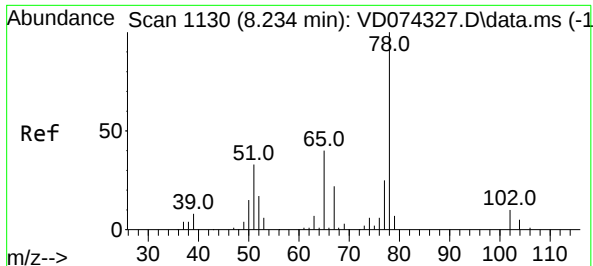
45 100

43 47.9 38.9 58.3

87 28.4 21.0 31.4

59 11.0 9.6 14.4





#33

1,2-Dichloroethane-d4

Concen: 51.088 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :

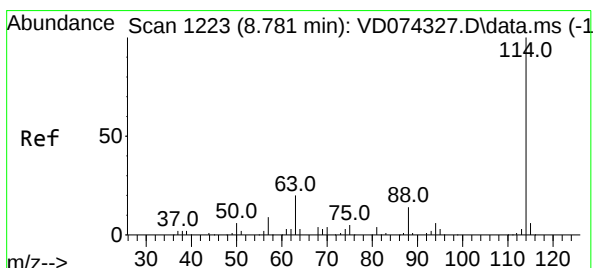
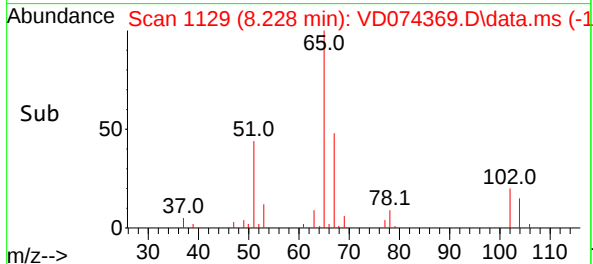
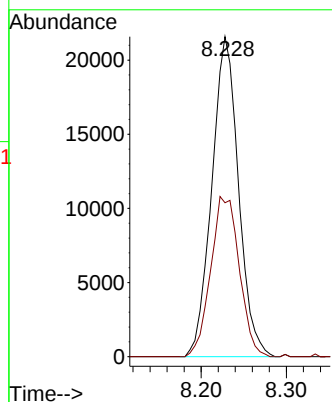
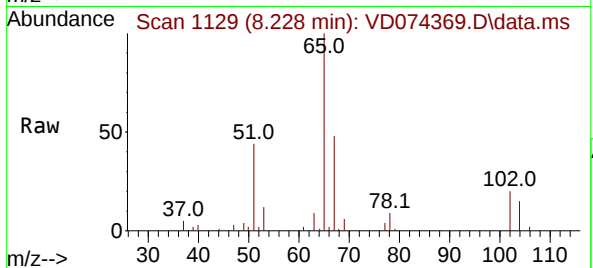
D22007-17.5

Tgt Ion: 65 Resp: 46983

Ion Ratio Lower Upper

65 100

67 53.6 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

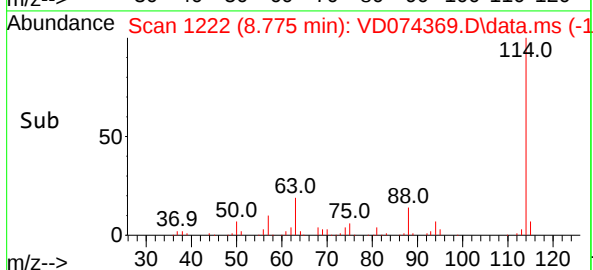
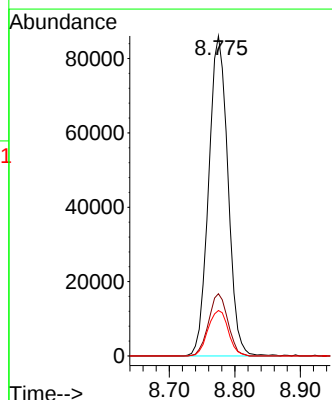
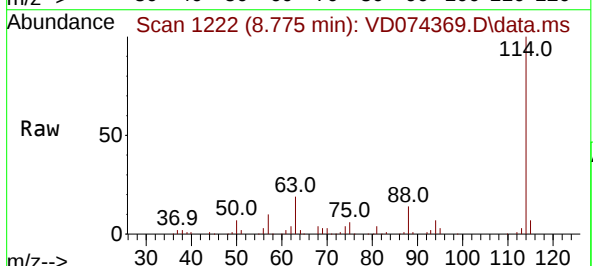
Tgt Ion: 114 Resp: 175408

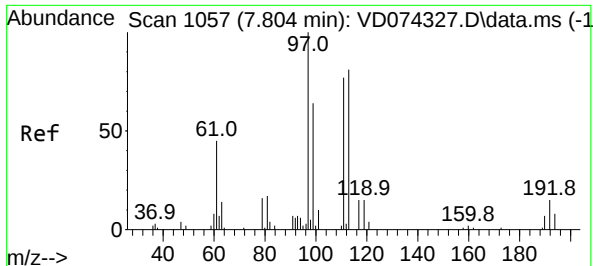
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.6

88 14.2 0.0 28.4





#35

Dibromofluoromethane

Concen: 42.346 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.005 min

Lab File: VD074369.D

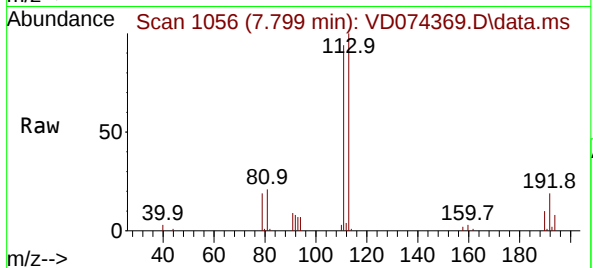
Acq: 20 Sep 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :

D22007-17.5



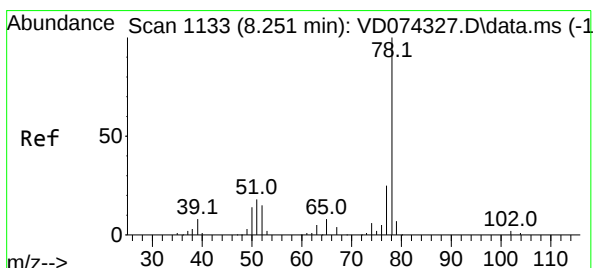
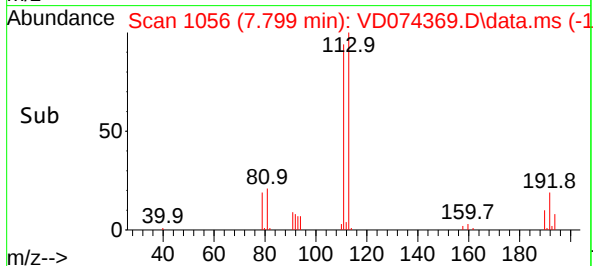
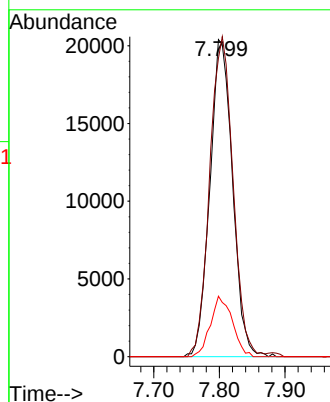
Tgt Ion:113 Resp: 48920

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.6

192 18.4 16.2 24.2



#40

Benzene

Concen: 1.961 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD074369.D

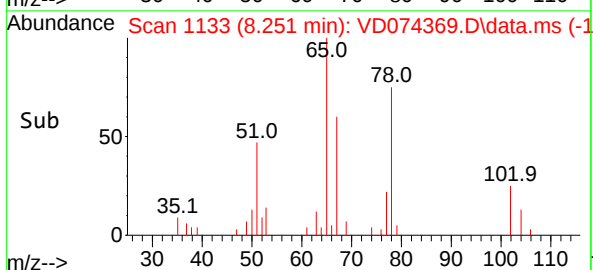
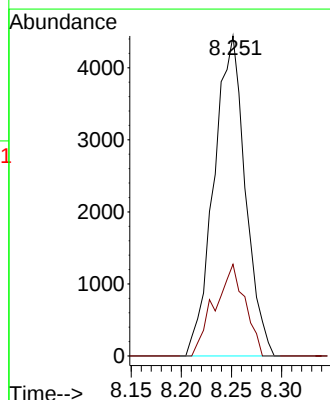
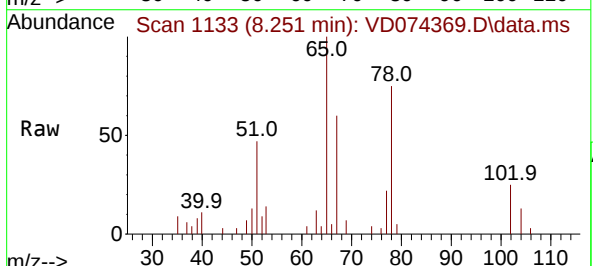
Acq: 20 Sep 2022 16:51

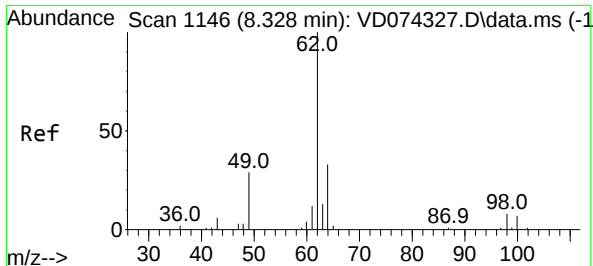
Tgt Ion: 78 Resp: 9695

Ion Ratio Lower Upper

78 100

77 28.6 19.4 29.2





#42

1,2-Dichloroethane

Concen: 2.131 ug/l

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :

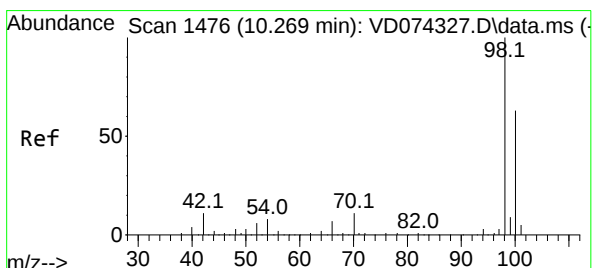
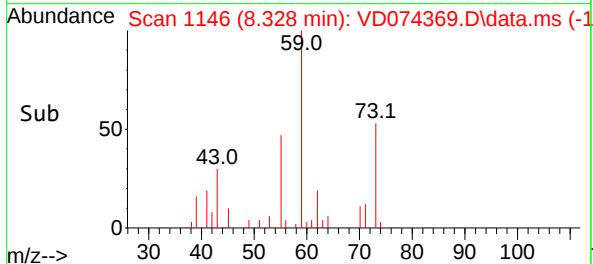
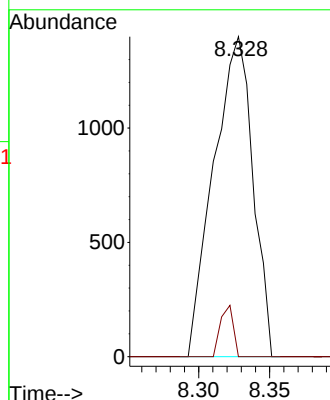
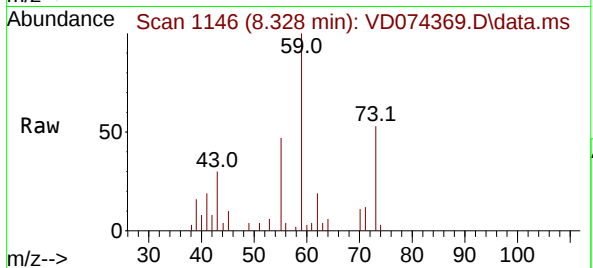
D22007-17.5

Tgt Ion: 62 Resp: 2691

Ion Ratio Lower Upper

62 100

98 5.2 0.0 21.4



#50

Toluene-d8

Concen: 46.822 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VD074369.D

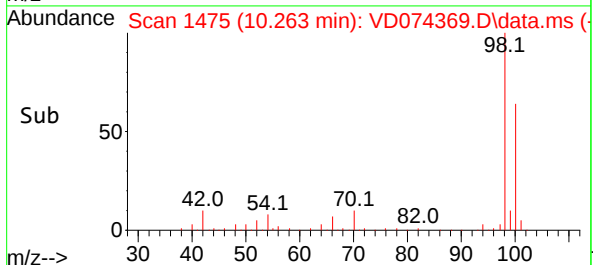
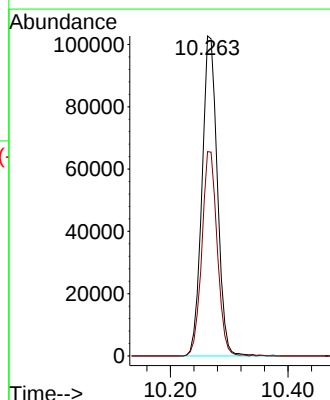
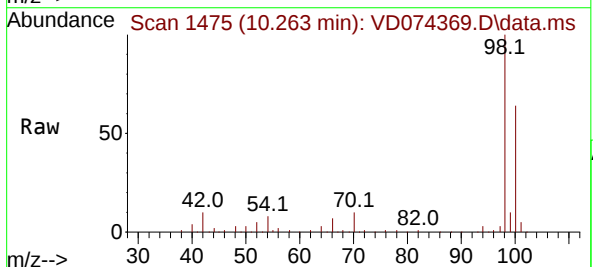
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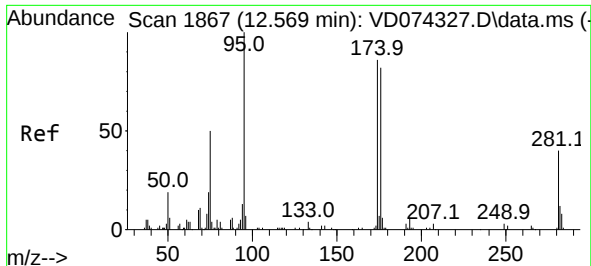
Tgt Ion: 98 Resp: 186642

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8

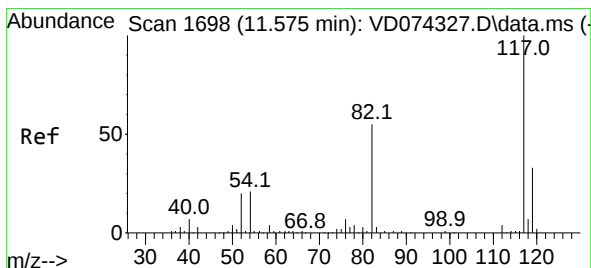
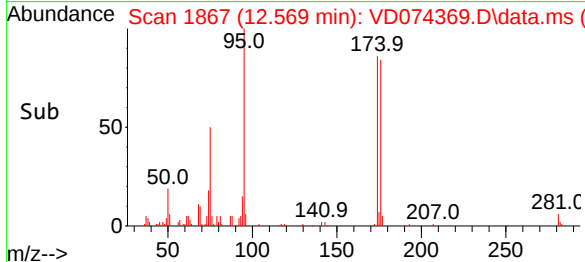
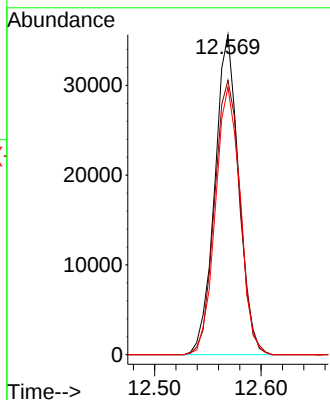
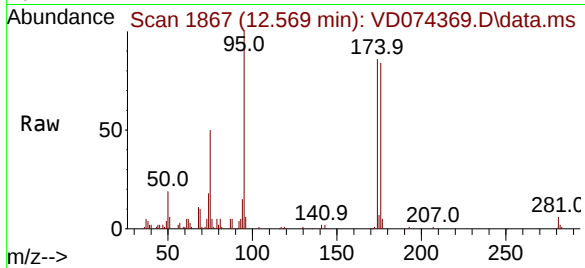




#62
4-Bromofluorobenzene
Concen: 40.095 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

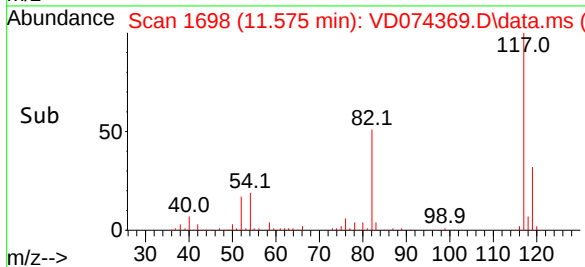
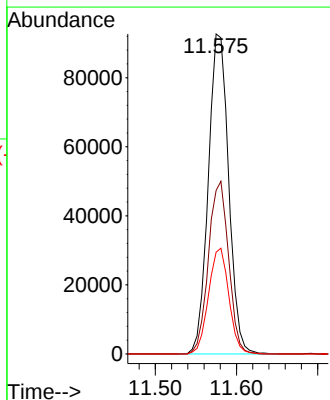
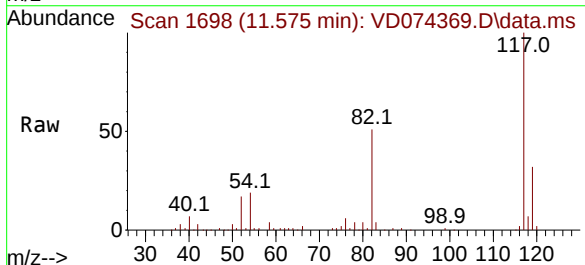
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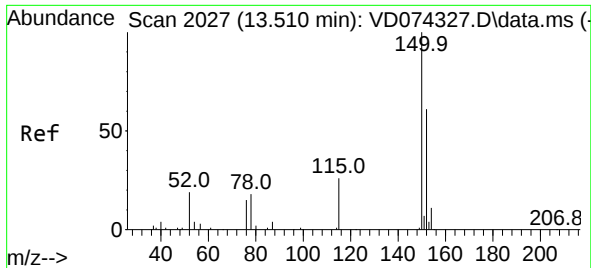
Tgt Ion: 95 Resp: 55694
Ion Ratio Lower Upper
95 100
174 90.7 0.0 179.2
176 86.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 117 Resp: 161305
Ion Ratio Lower Upper
117 100
82 51.1 44.2 66.2
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD074369.D

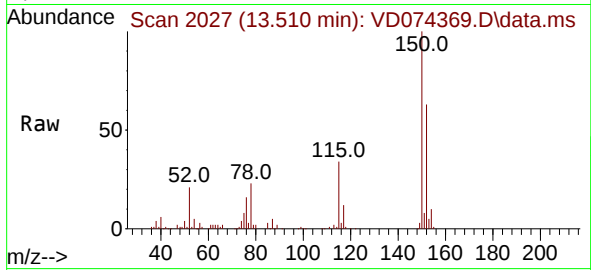
Acq: 20 Sep 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :

D22007-17.5



Tgt Ion:152 Resp: 73374

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

150 159.5 0.0 351.0

