

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072603.D
 Acq On : 18 Apr 2022 17:51
 Operator : VA/SY
 Sample : N2444-04
 Misc : 4.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4S

Quant Time: Apr 19 02:52:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

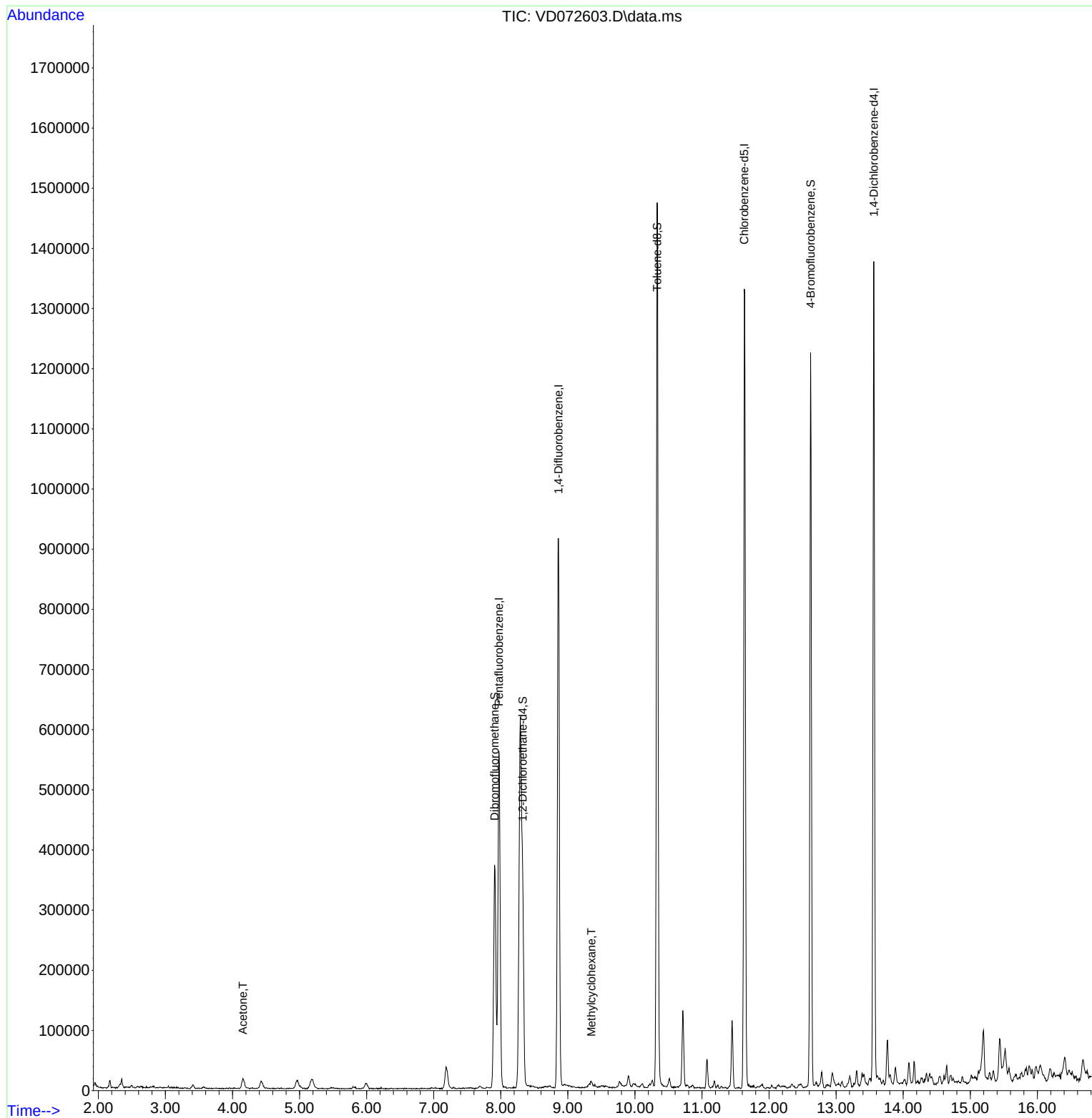
Internal Standards						
1) Pentafluorobenzene	7.973	168	408275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	829741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	790784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	362366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247045	50.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.040%	
35) Dibromofluoromethane	7.908	113	268738	41.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.360%	
50) Toluene-d8	10.332	98	992330	44.272	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.540%	
62) 4-Bromofluorobenzene	12.620	95	358112	40.909	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.820%	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	29511	32.044	ug/l #	85
39) Methylcyclohexane	9.350	83	2752	3.147	ug/l #	93

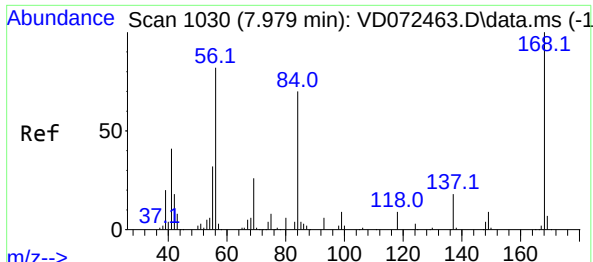
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072603.D

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Instrument :

MSVOA_D

ClientSampleId :

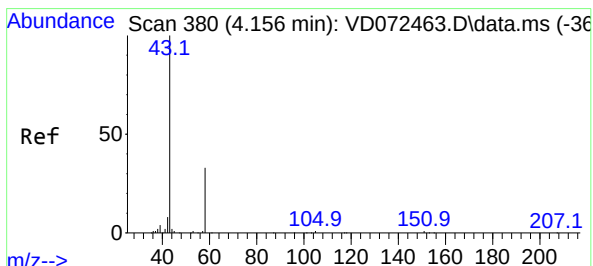
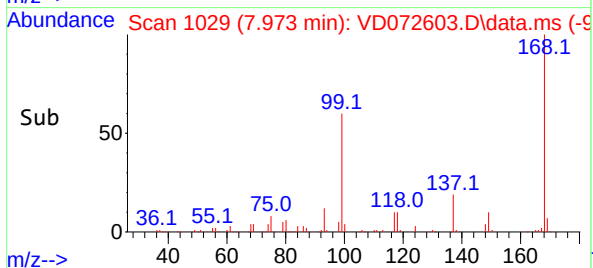
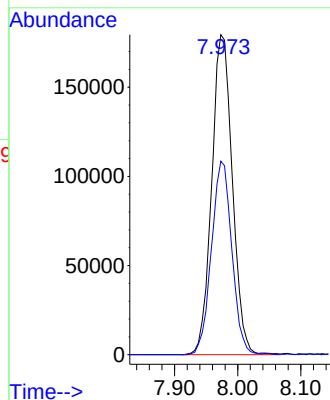
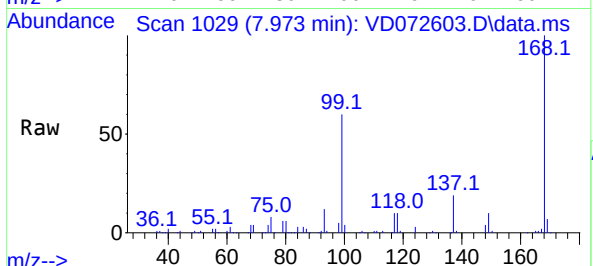
SB-4S

Tgt Ion:168 Resp: 408275

Ion Ratio Lower Upper

168 100

99 60.4 49.8 74.6



#16

Acetone

Concen: 32.044 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.000 min

Lab File: VD072603.D

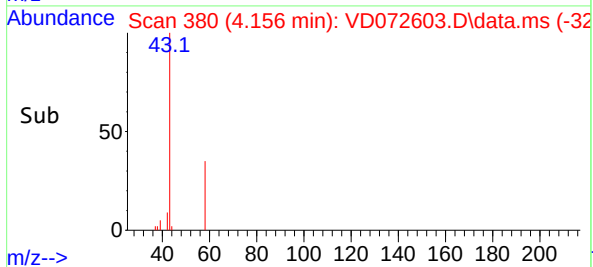
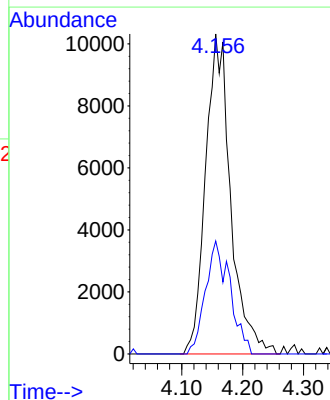
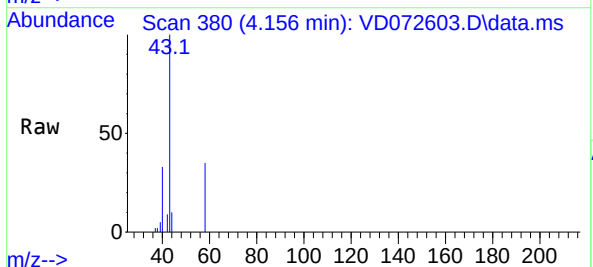
Acq: 18 Apr 2022 17:51

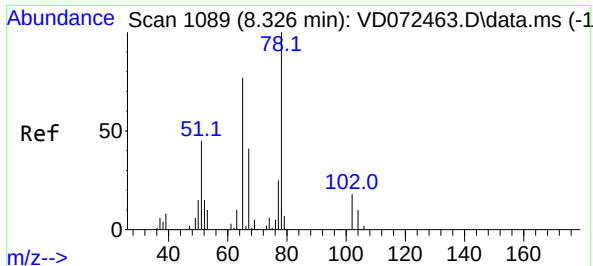
Tgt Ion: 43 Resp: 29511

Ion Ratio Lower Upper

43 100

58 35.3 22.1 33.1#





#33

1,2-Dichloroethane-d4

Concen: 50.020 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072603.D

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Instrument :

MSVOA_D

ClientSampleId :

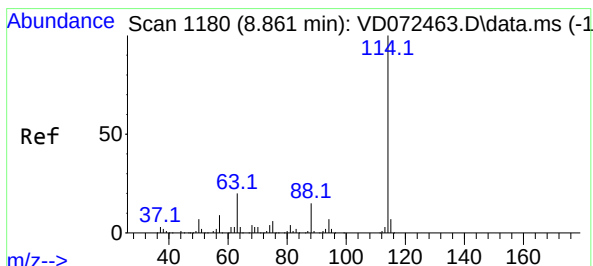
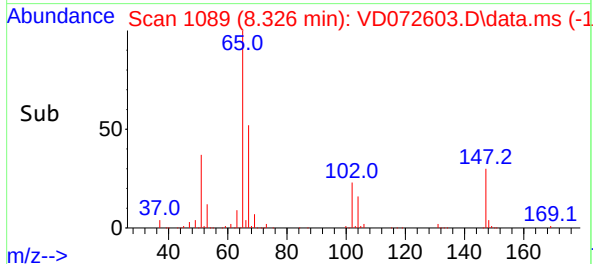
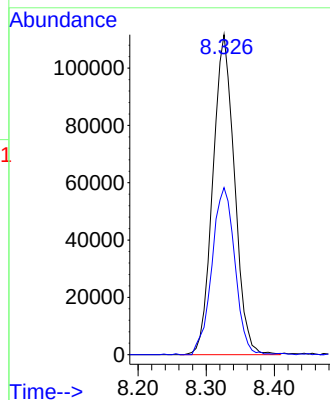
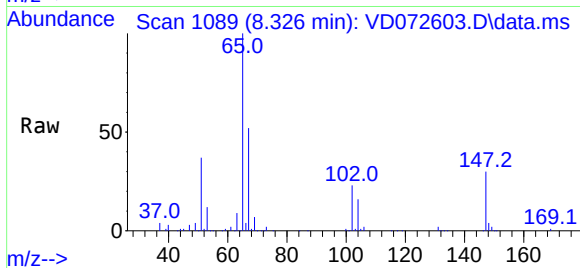
SB-4S

Tgt Ion: 65 Resp: 247045

Ion Ratio Lower Upper

65 100

67 55.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

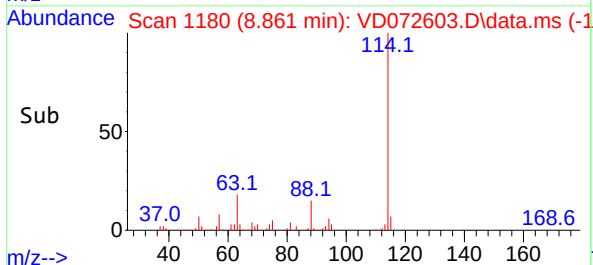
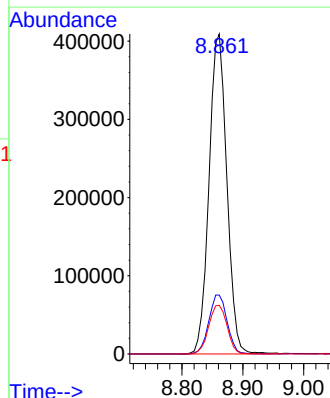
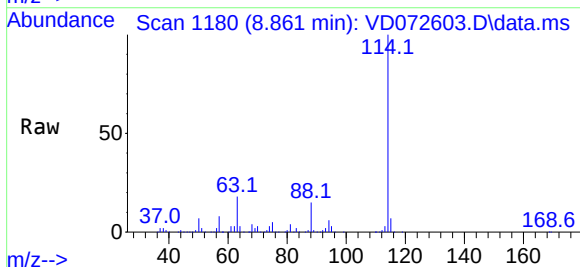
Tgt Ion: 114 Resp: 829741

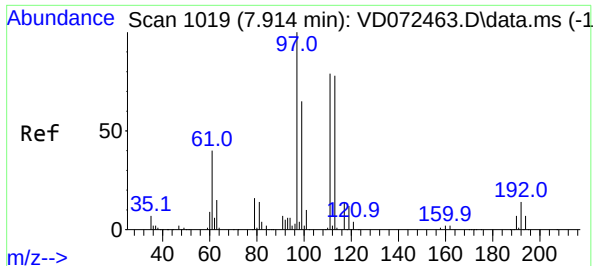
Ion Ratio Lower Upper

114 100

63 18.4 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.676 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-4S

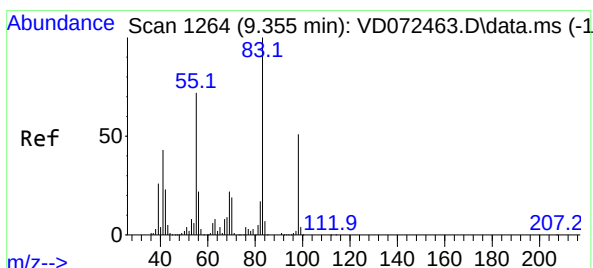
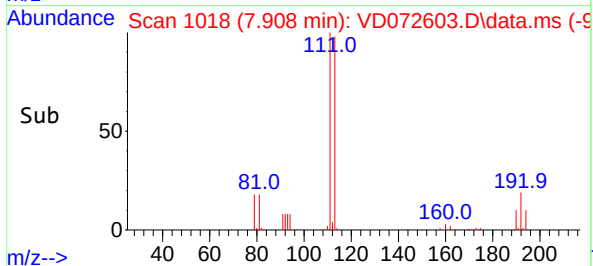
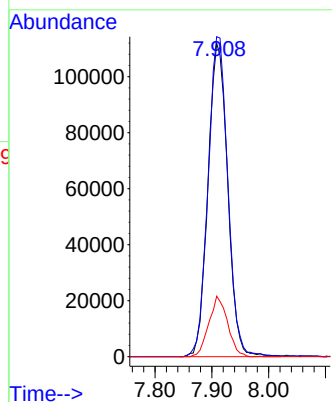
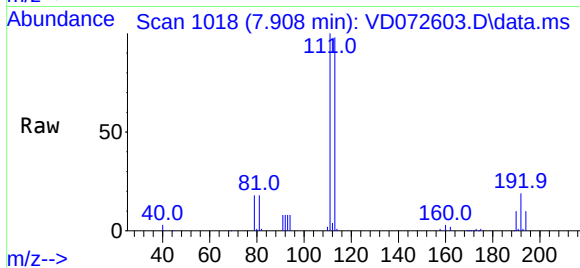
Tgt Ion:113 Resp: 268738

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 18.4 14.6 21.8



#39

Methylcyclohexane

Concen: 3.147 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.005 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

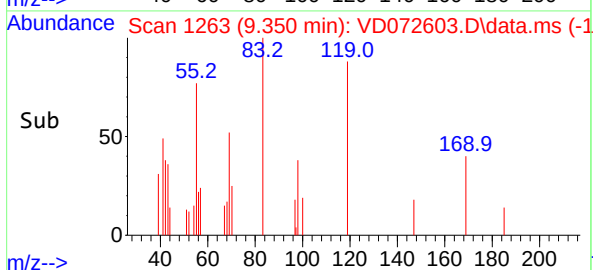
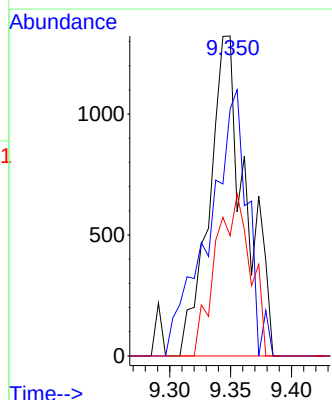
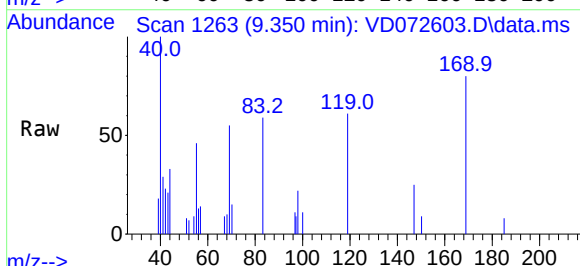
Tgt Ion: 83 Resp: 2752

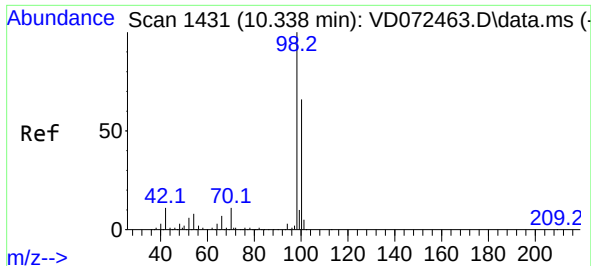
Ion Ratio Lower Upper

83 100

55 77.2 63.2 94.8

98 37.6 38.2 57.4#

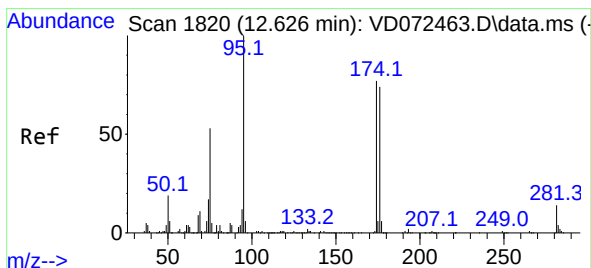
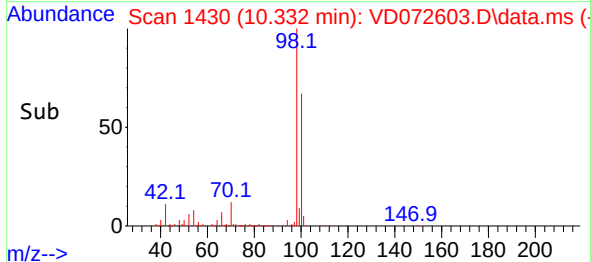
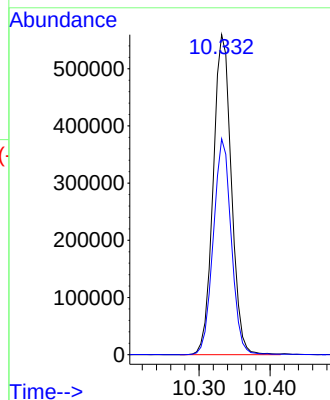
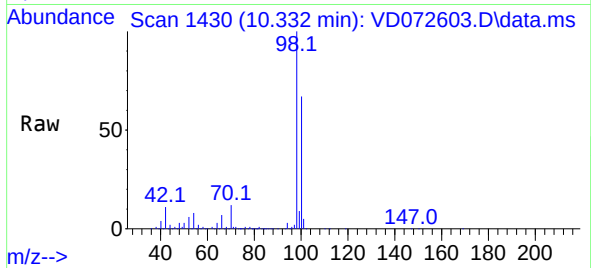




#50
Toluene-d8
Concen: 44.272 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

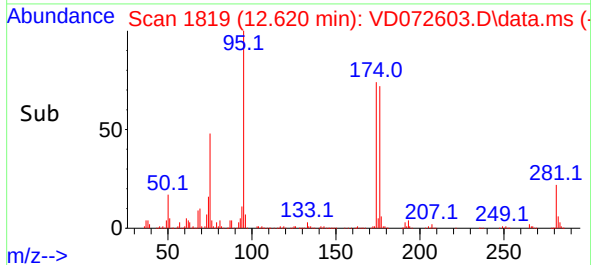
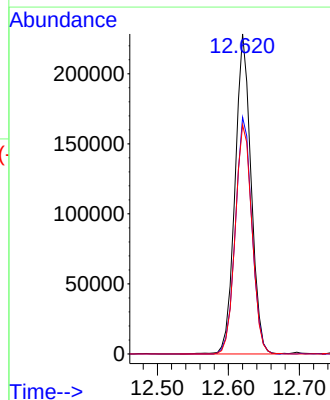
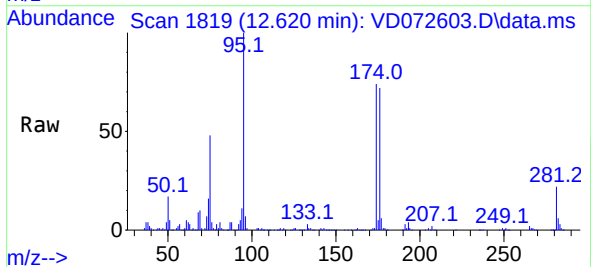
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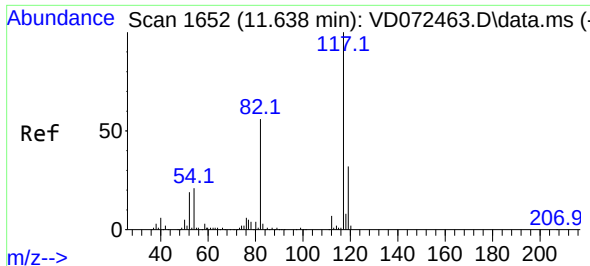
Tgt Ion: 98 Resp: 992330
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 40.909 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 95 Resp: 358112
Ion Ratio Lower Upper
95 100
174 76.1 0.0 152.8
176 74.8 0.0 145.4

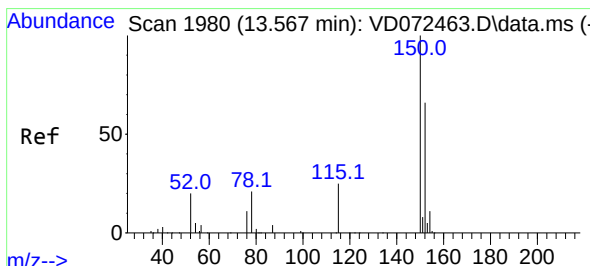
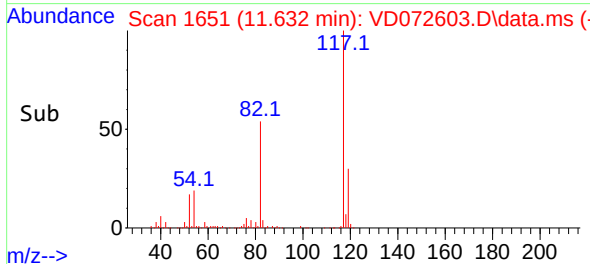
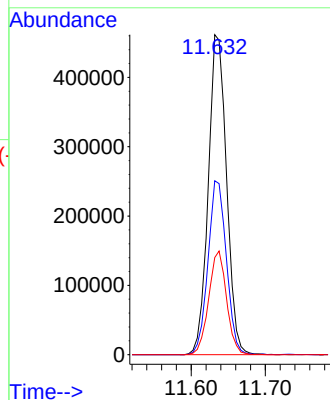
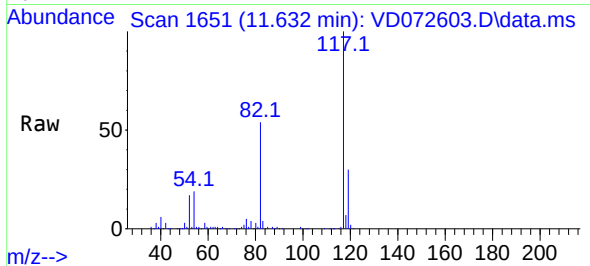




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Instrument :
MSVOA_D
ClientSampleId :
SB-4S

Tgt Ion:117 Resp: 790784
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 30.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion:152 Resp: 362366
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 159.2 0.0 348.6

