

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073201.D
 Acq On : 20 May 2022 23:42
 Operator : VA/SY
 Sample : N2885-03
 Misc : 5.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-1218-01

Quant Time: May 21 00:18:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

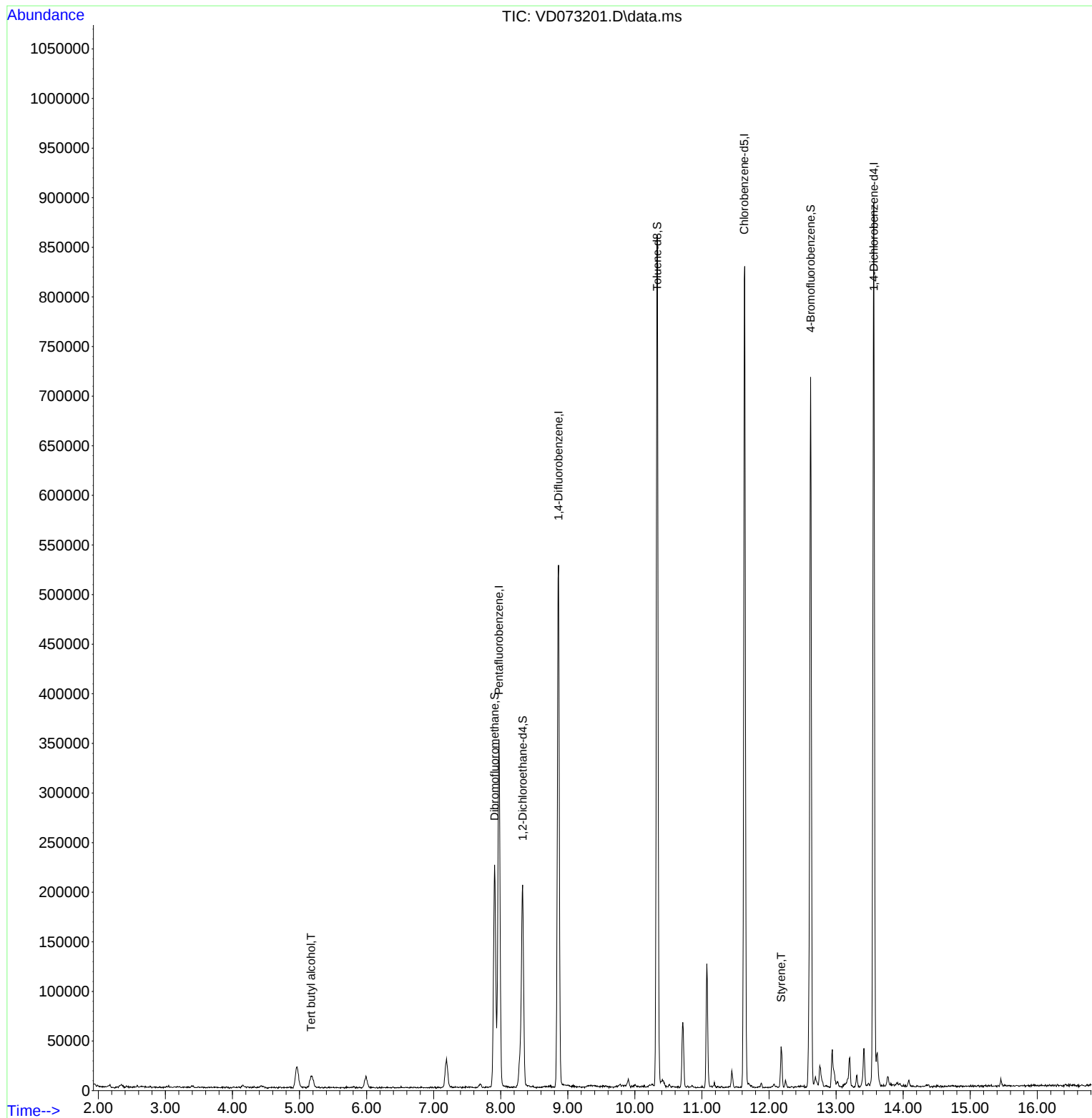
Internal Standards						
1) Pentafluorobenzene	7.973	168	252172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	448418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	485942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	158788	56.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.960%	
35) Dibromofluoromethane	7.908	113	160298	54.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.340%	
50) Toluene-d8	10.332	98	568124	52.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.180%	
62) 4-Bromofluorobenzene	12.620	95	225513	58.913	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.820%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.173	59	12013	27.783	ug/l #	78
70) Styrene	12.179	104	21183	1.971	ug/l #	84

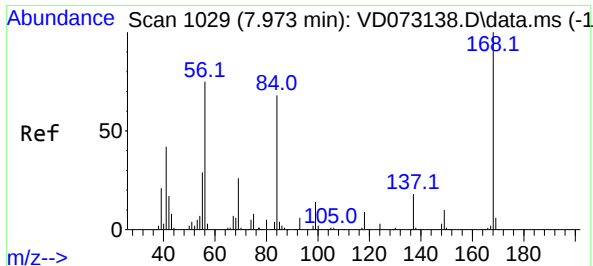
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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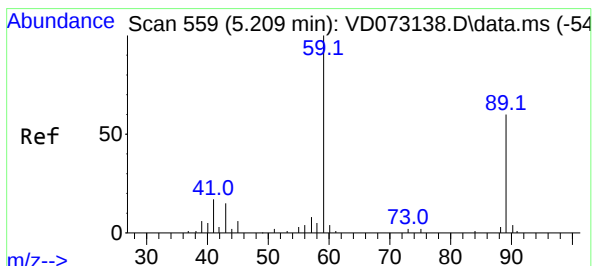
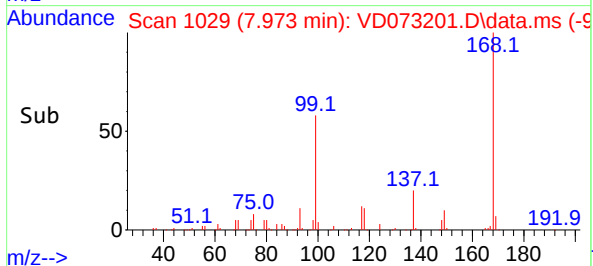
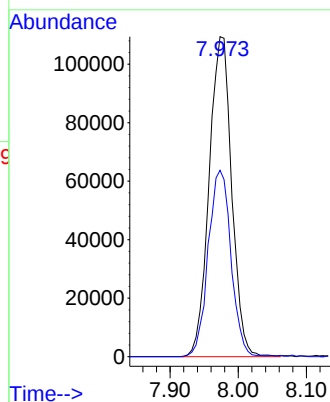
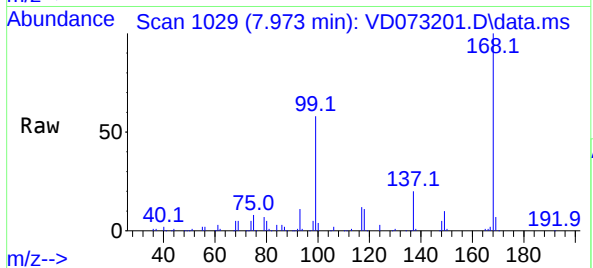




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

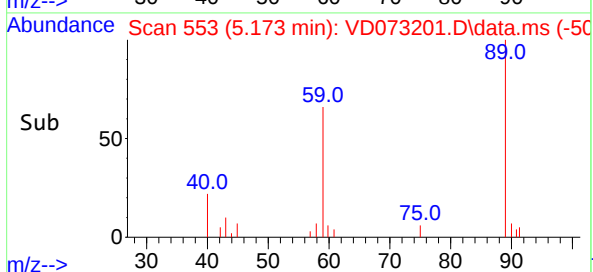
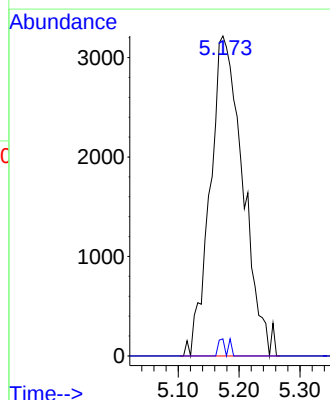
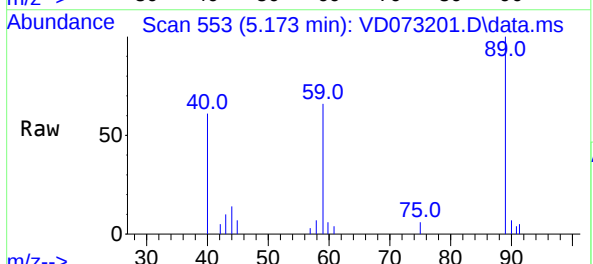
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

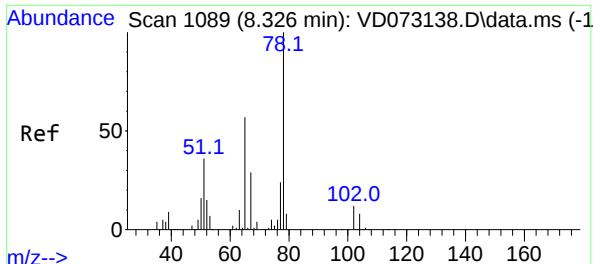
Tgt Ion:168 Resp: 252172
Ion Ratio Lower Upper
168 100
99 58.3 49.8 74.6



#11
Tert butyl alcohol
Concen: 27.783 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 59 Resp: 12013
Ion Ratio Lower Upper
59 100
57 1.5 7.8 11.6#





#33

1,2-Dichloroethane-d4

Concen: 56.977 ug/l

RT: 8.326 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VD073201.D

Acq: 20 May 2022 23:42

Instrument :

MSVOA_D

ClientSampleId :

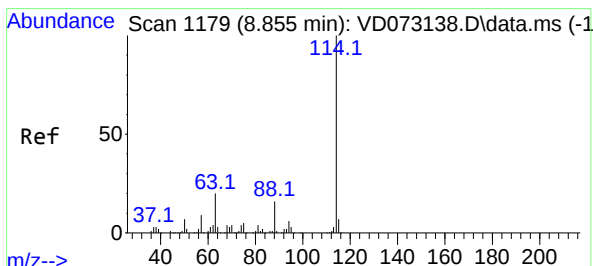
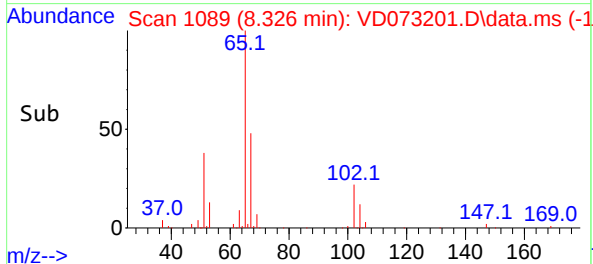
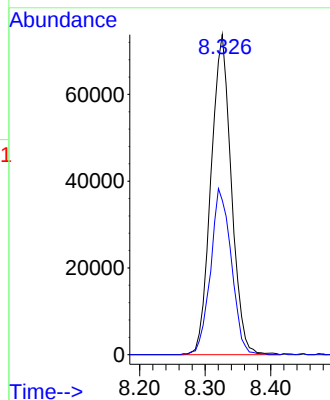
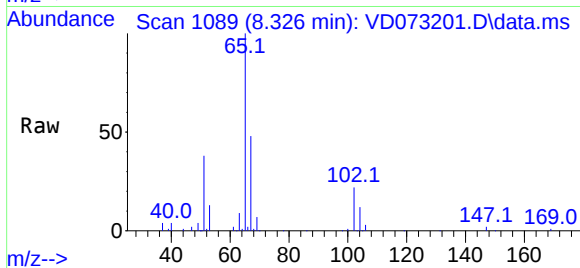
P004-SS002-1218-01

Tgt Ion: 65 Resp: 158788

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073201.D

Acq: 20 May 2022 23:42

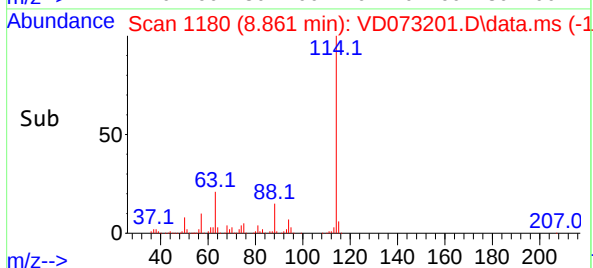
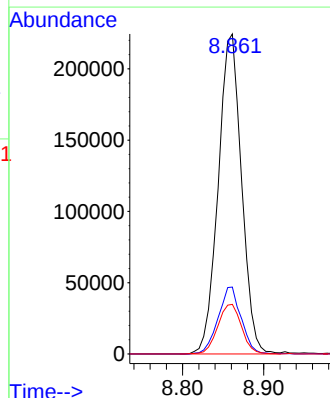
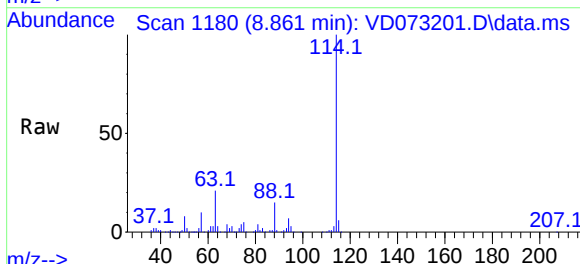
Tgt Ion: 114 Resp: 448418

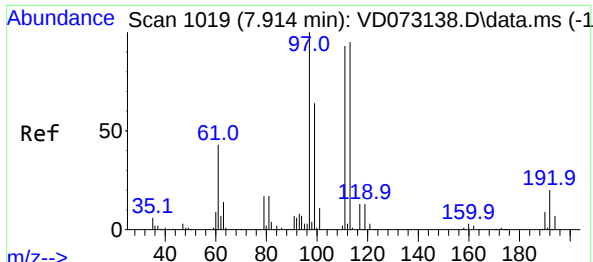
Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.5 0.0 33.2

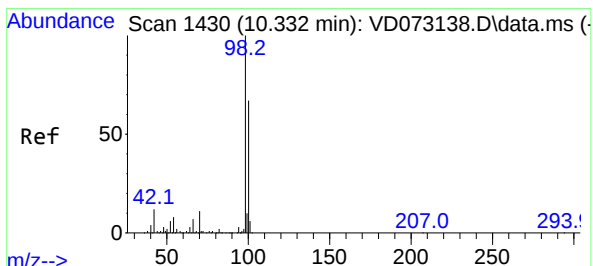
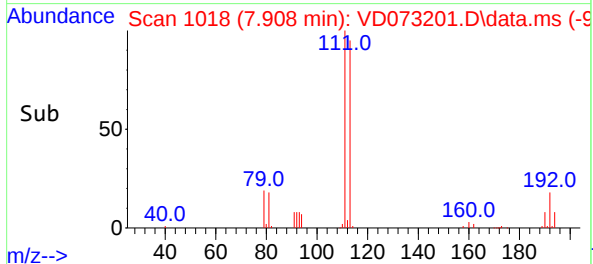
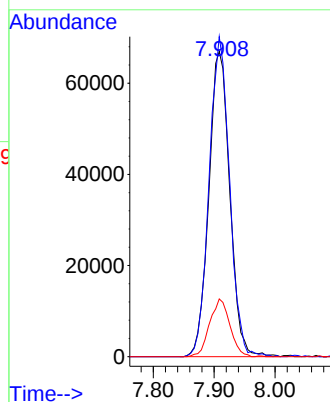
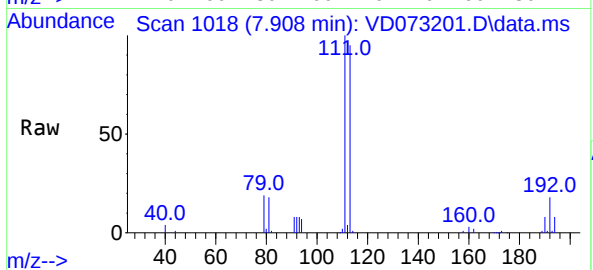




#35
Dibromofluoromethane
Concen: 54.174 ug/l
RT: 7.908 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

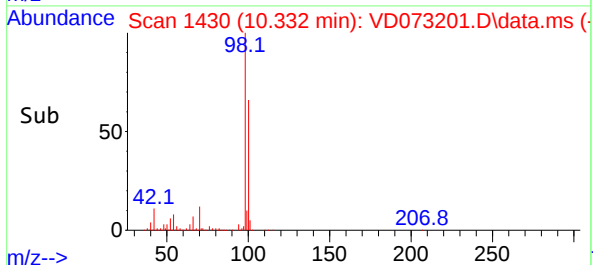
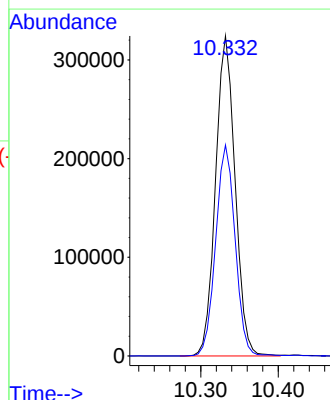
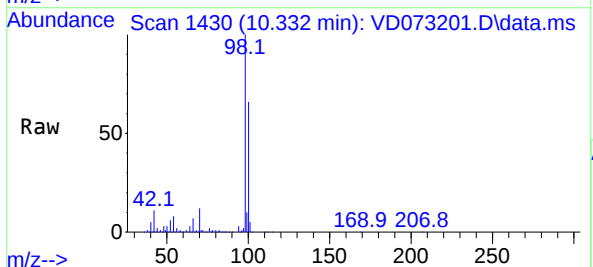
Instrument :
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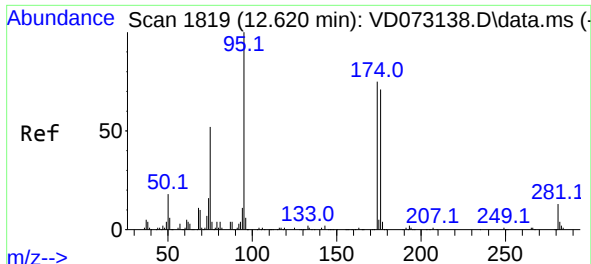
Tgt Ion:113 Resp: 160298
Ion Ratio Lower Upper
113 100
111 102.0 83.8 125.6
192 18.2 14.6 21.8



#50
Toluene-d8
Concen: 52.086 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 98 Resp: 568124
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

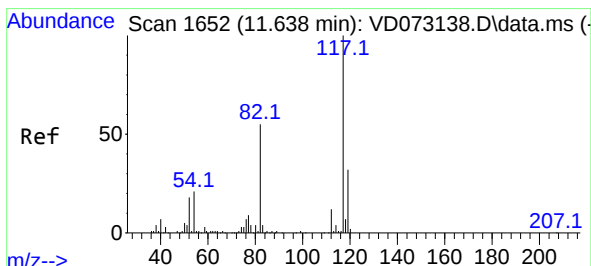
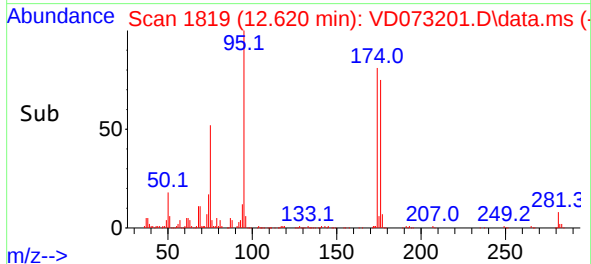
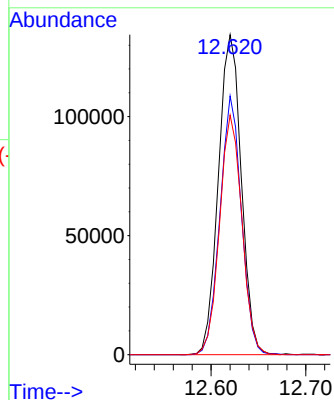
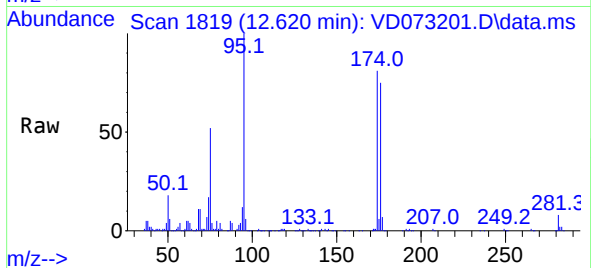




#62
4-Bromofluorobenzene
Concen: 58.913 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

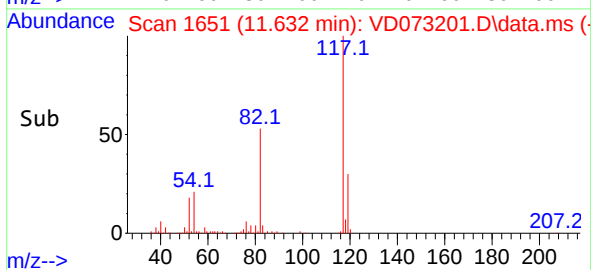
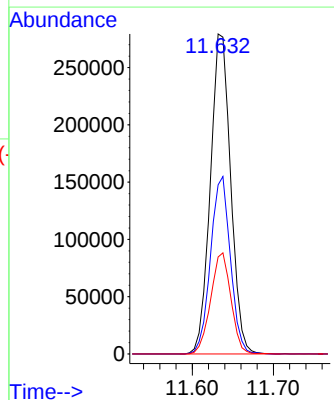
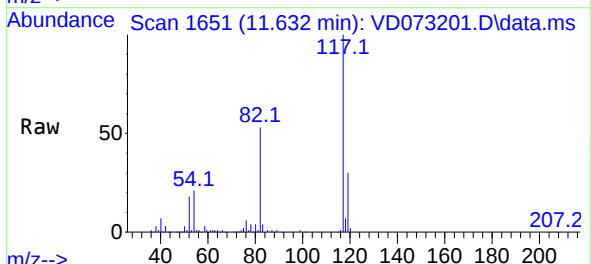
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

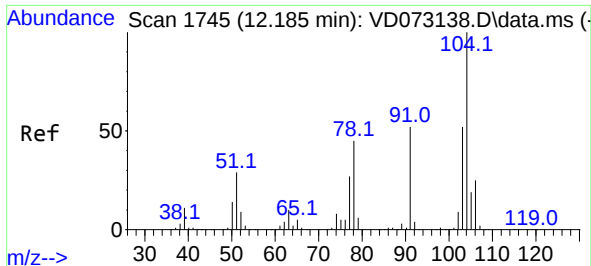
Tgt Ion: 95 Resp: 225513
Ion Ratio Lower Upper
95 100
174 76.0 0.0 152.8
176 73.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 117 Resp: 485942
Ion Ratio Lower Upper
117 100
82 52.8 45.3 67.9
119 30.3 26.6 40.0

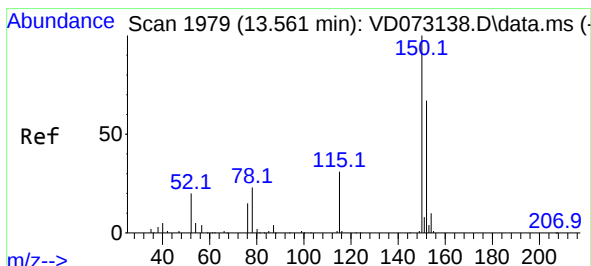
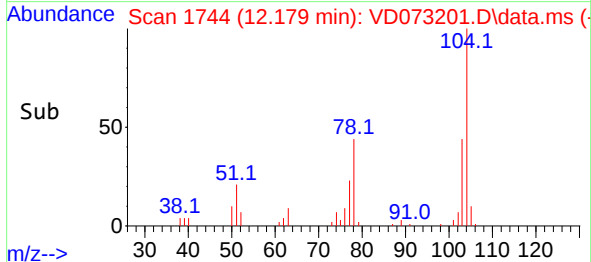
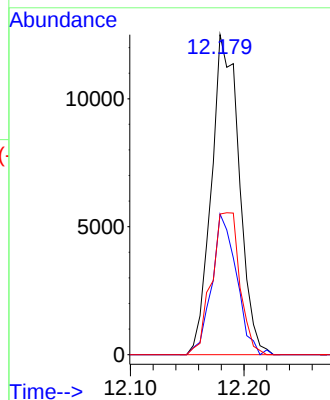
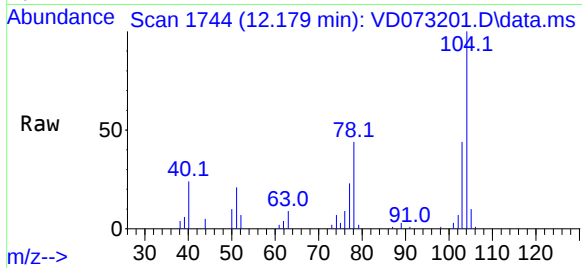




#70
Styrene
Concen: 1.971 ug/l
RT: 12.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

Tgt Ion:104 Resp: 21183
Ion Ratio Lower Upper
104 100
78 39.3 41.8 62.8#
103 45.0 44.2 66.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion:152 Resp: 231954
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 156.6 0.0 348.6

