

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072346.D
 Acq On : 21 Mar 2022 18:01
 Operator : VA/SY
 Sample : N1962-08RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-21-21-23RE

Quant Time: Mar 22 02:13:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

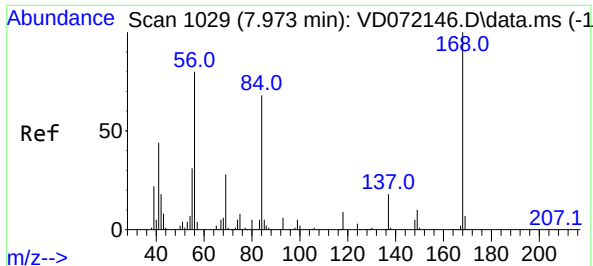
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	977	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	1611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1100	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	295	27.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.180%
35) Dibromofluoromethane	7.914	113	686	60.511	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.020%
50) Toluene-d8	10.326	98	1896	45.739	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.614	95	262	16.267	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	32.540%
Target Compounds						
					Qvalue	
14) Allyl chloride	4.961	41	56	3.567	ug/l	# 22
38) Carbon Tetrachloride	7.961	117	54	2.987	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.426	43	59	8.308	ug/l	# 39
70) Styrene	11.908	104	57	2.063	ug/l	# 25

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

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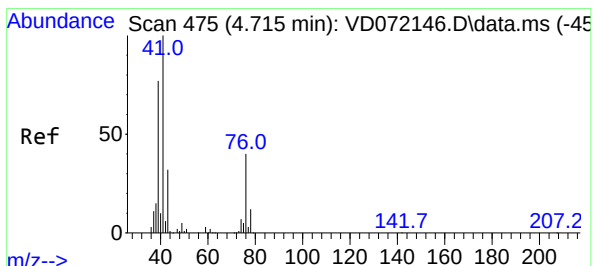
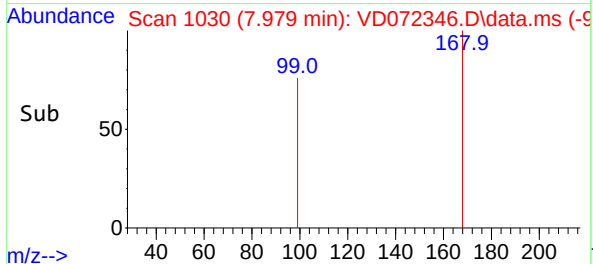
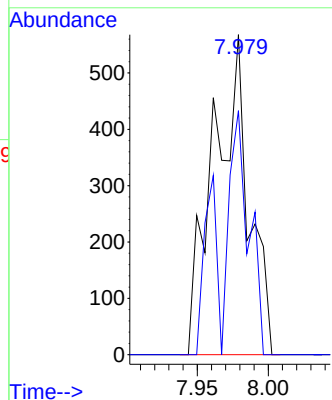
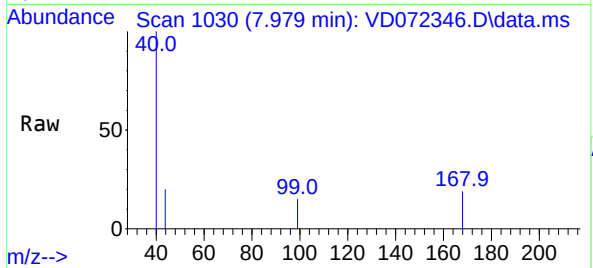




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

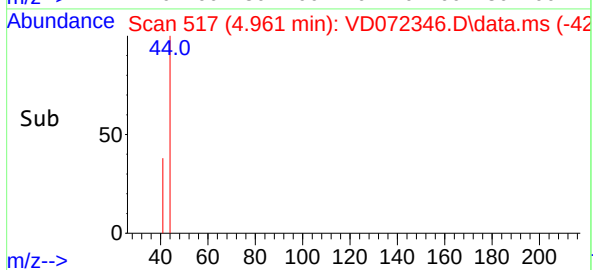
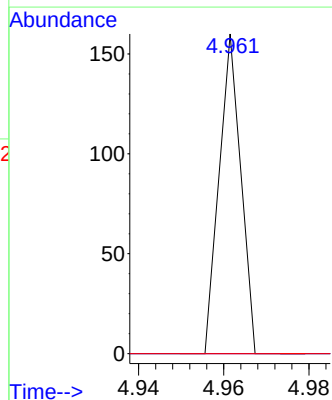
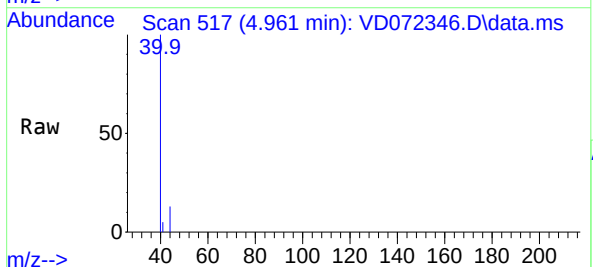
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23RE

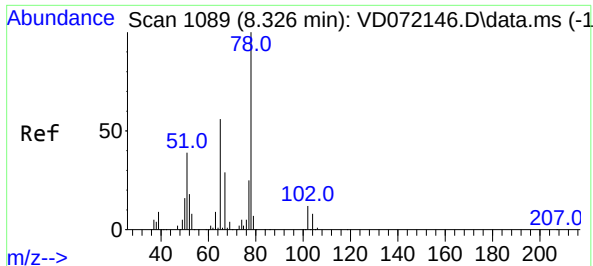
Tgt Ion:168 Resp: 977
Ion Ratio Lower Upper
168 100
99 76.2 49.8 74.6#



#14
Allyl chloride
Concen: 3.567 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.247 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#





#33

1,2-Dichloroethane-d4

Concen: 27.094 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD072346.D

Acq: 21 Mar 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

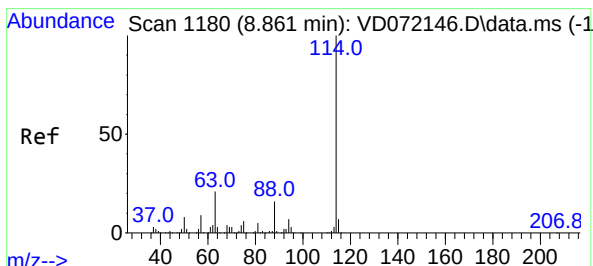
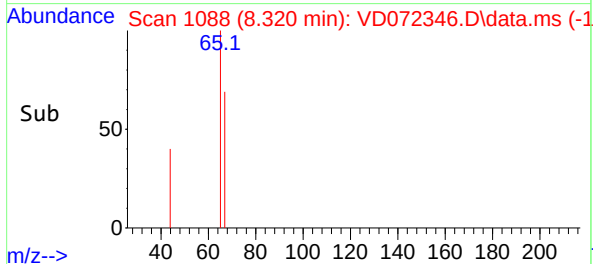
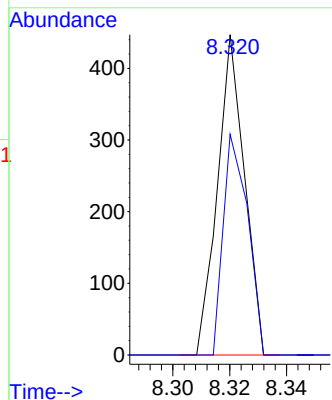
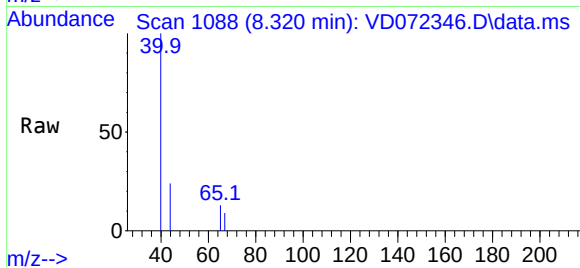
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Tgt Ion: 65 Resp: 295

Ion Ratio Lower Upper

65 100

67 62.0 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: VD072346.D

Acq: 21 Mar 2022 18:01

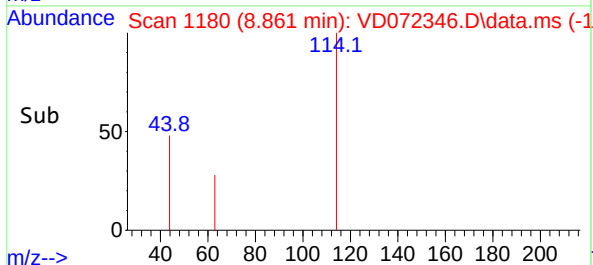
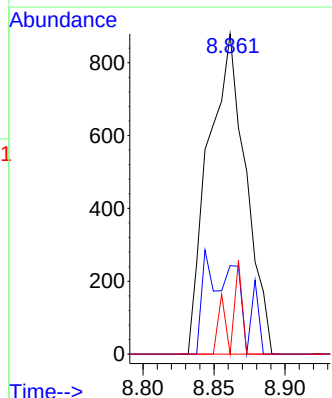
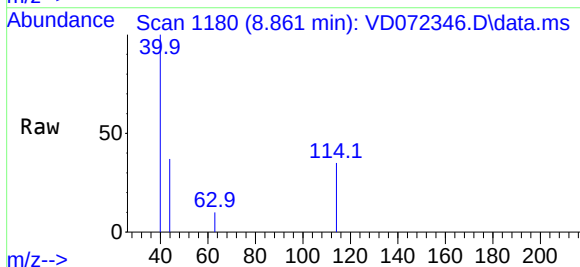
Tgt Ion: 114 Resp: 1611

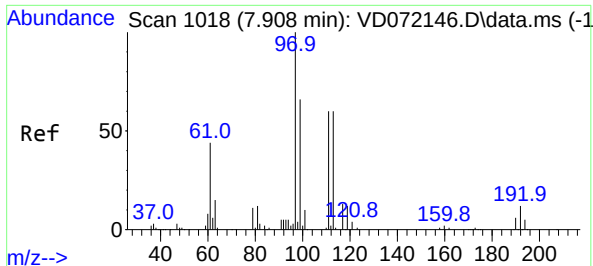
Ion Ratio Lower Upper

114 100

63 27.6 0.0 46.6

88 0.0 0.0 33.2

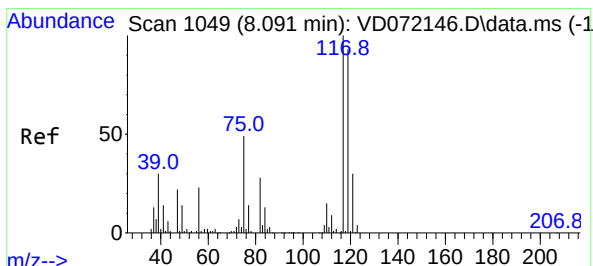
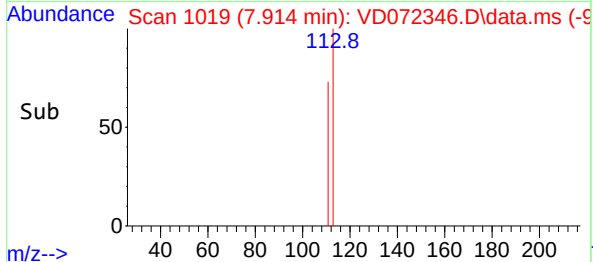
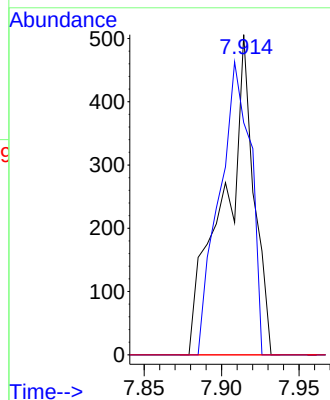
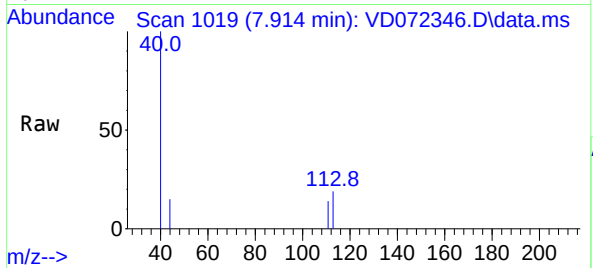




#35
Dibromofluoromethane
Concen: 60.511 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

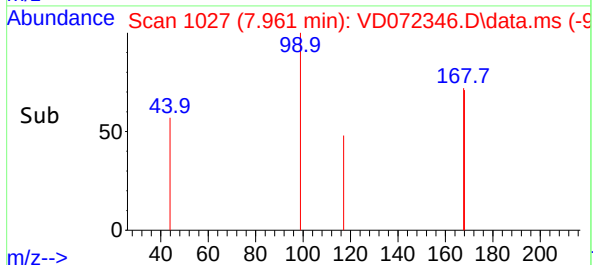
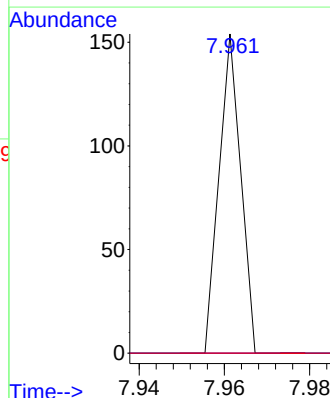
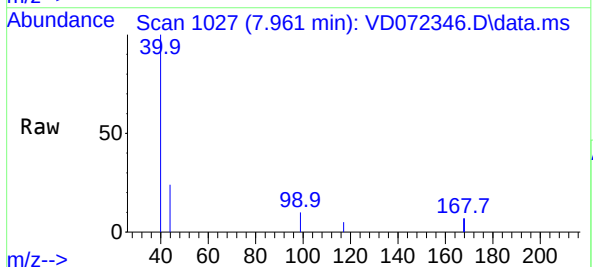
Instrument :
MSVOA_D
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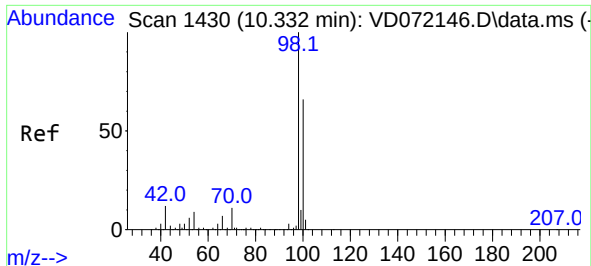
Tgt Ion:113 Resp: 686
Ion Ratio Lower Upper
113 100
111 94.6 83.8 125.6
192 0.0 14.6 21.8#



#38
Carbon Tetrachloride
Concen: 2.987 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.130 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

Tgt Ion:117 Resp: 54
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

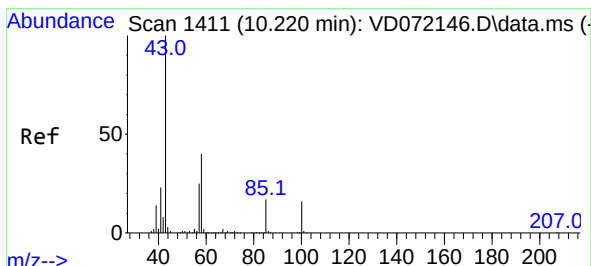
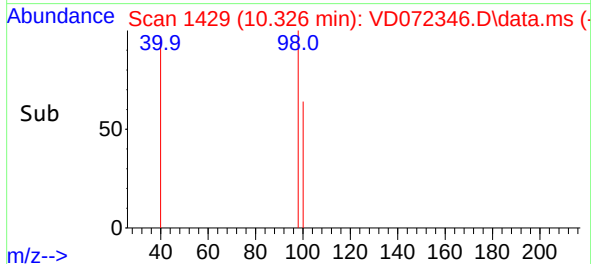
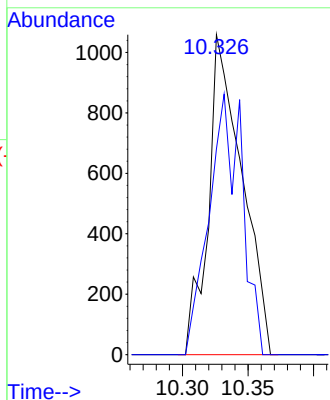
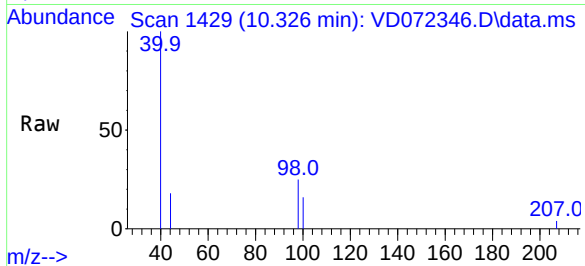




#50
Toluene-d8
Concen: 45.739 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

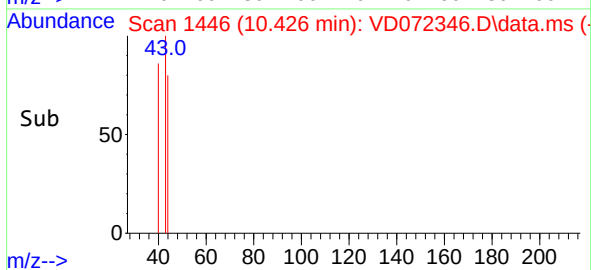
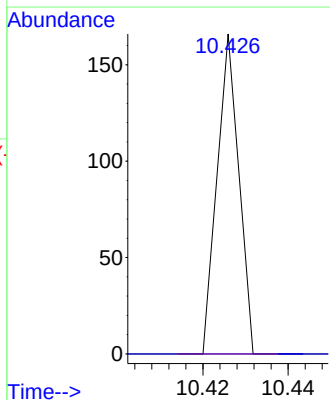
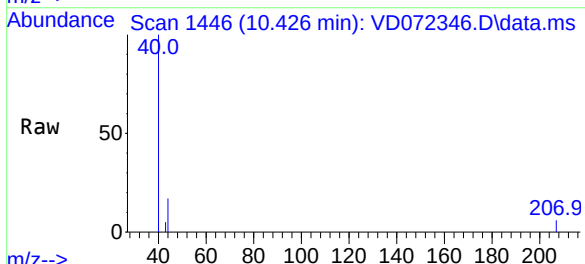
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23RE

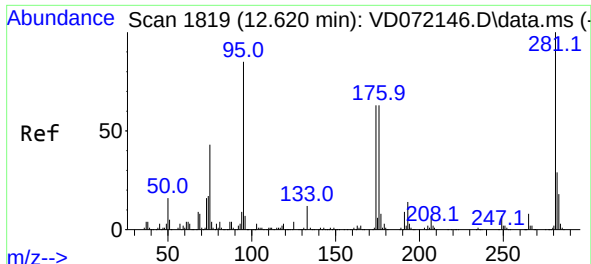
Tgt Ion: 98 Resp: 1896
Ion Ratio Lower Upper
98 100
100 80.0 52.4 78.6#



#51
4-Methyl-2-Pentanone
Concen: 8.308 ug/l
RT: 10.426 min Scan# 1446
Delta R.T. 0.206 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

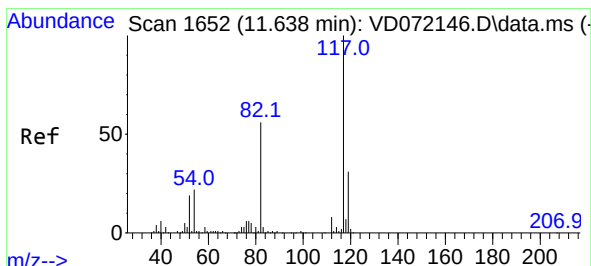
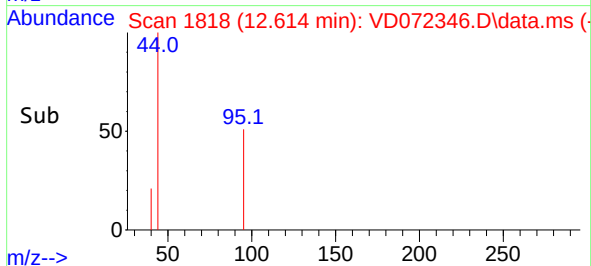
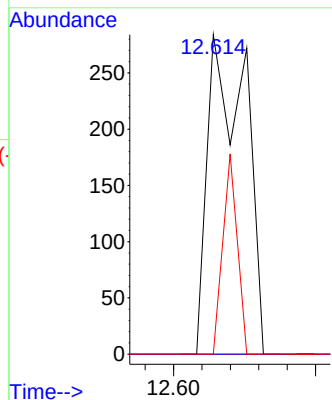
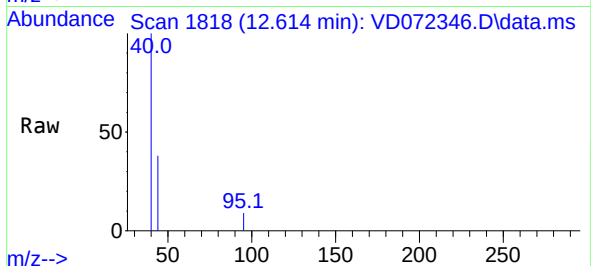




#62
4-Bromofluorobenzene
Concen: 16.267 ug/l
RT: 12.614 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

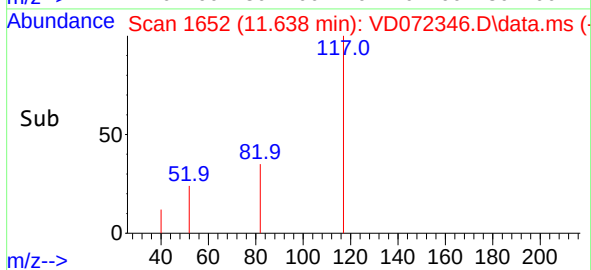
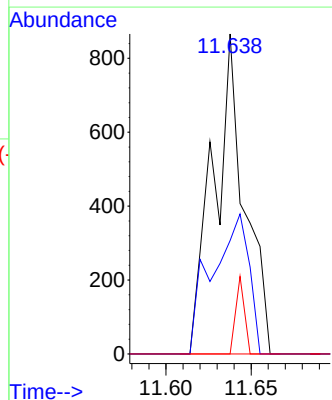
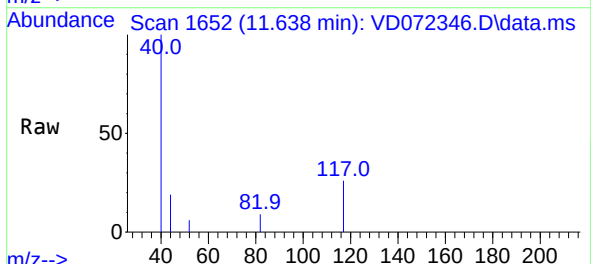
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23RE

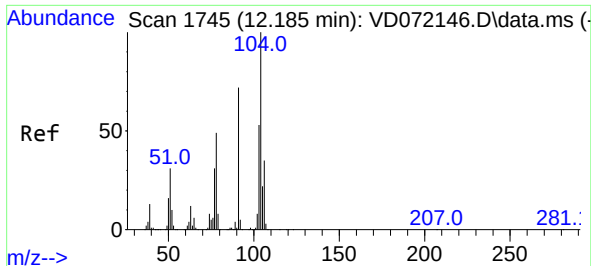
Tgt Ion:	95	Resp:	262
Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	152.8
176	24.0	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

Tgt Ion:	117	Resp:	1100
Ion	Ratio	Lower	Upper
117	100		
82	35.5	45.3	67.9#
119	0.0	26.6	40.0#

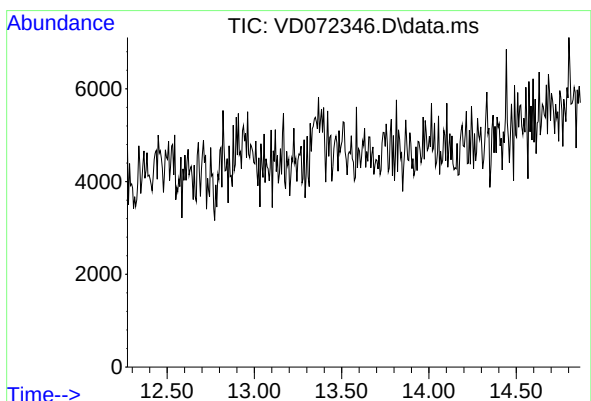
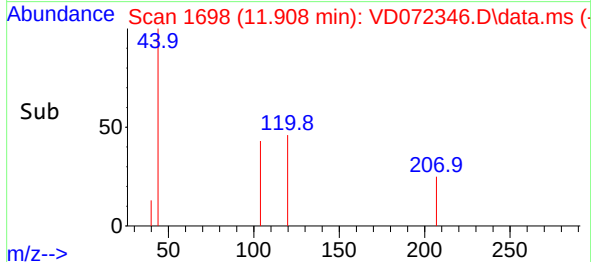
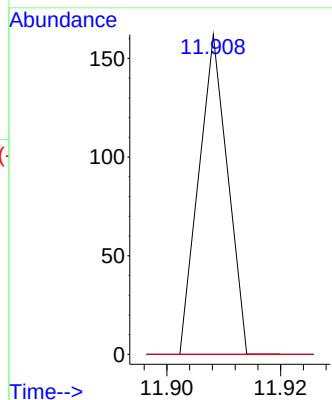
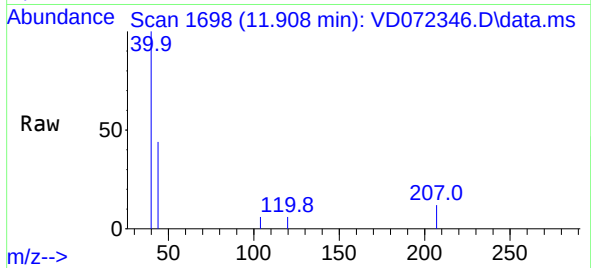




#70
Styrene
Concen: 2.063 ug/l
RT: 11.908 min Scan# 1
Delta R.T. -0.277 min
Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

Instrument :
MSVOA_D
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Tgt Ion:104 Resp: 57
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.8#
103 0.0 44.2 66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.57 min

Lab File: VD072346.D
Acq: 21 Mar 2022 18:01

Tgt Ion: 152
Sig Exp Ratio
152 100
115 62.5
150 174.3

