

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072191.D
 Acq On : 15 Mar 2022 16:18
 Operator : VA/SY
 Sample : N1905-03
 Misc : 3.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-3-(3.0-3.5)

Quant Time: Mar 16 01:00:28 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)

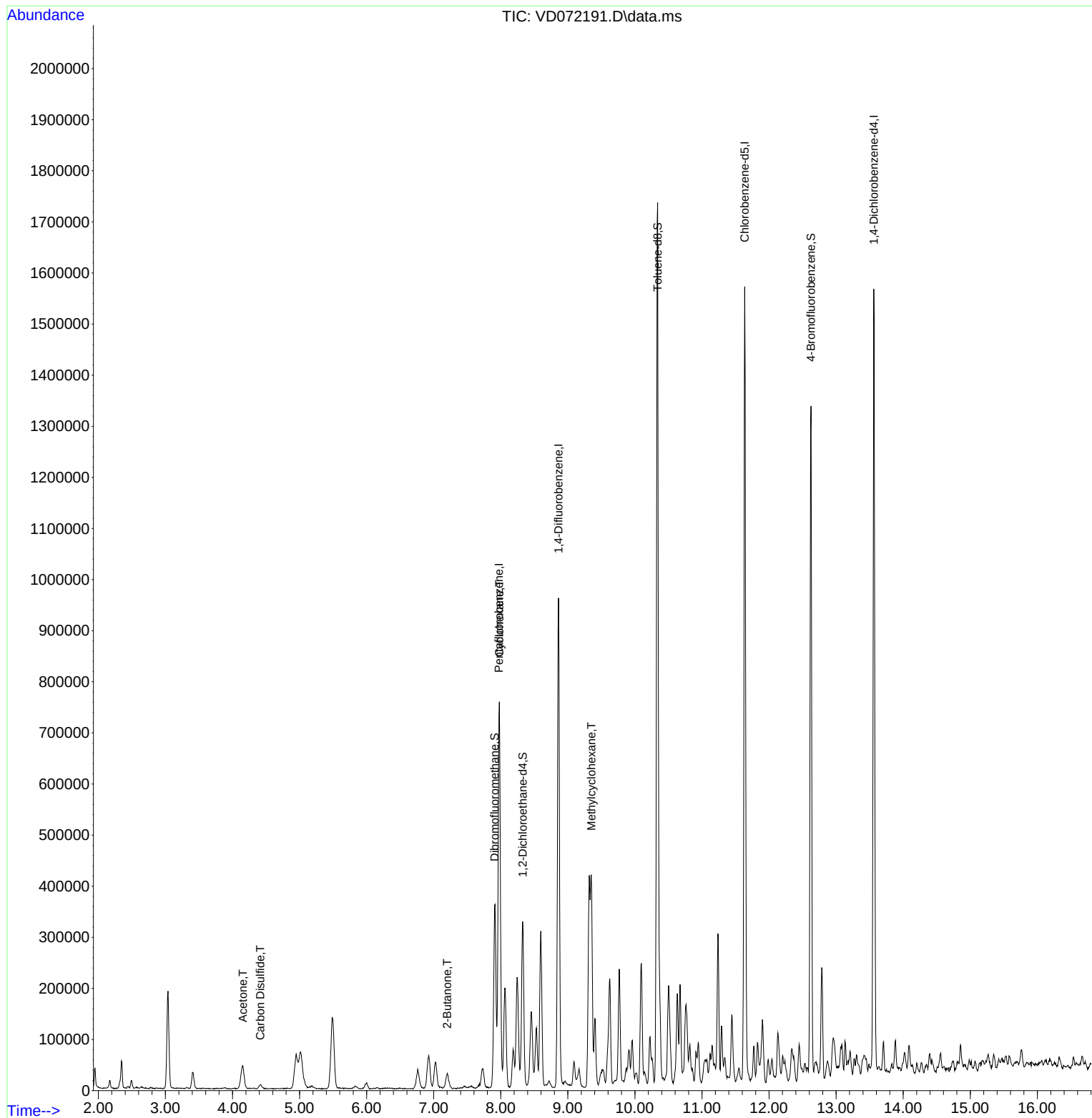
Internal Standards						
1) Pentafluorobenzene	7.973	168	411223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	798046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	854682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	401707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256327	55.932	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.860%
35) Dibromofluoromethane	7.908	113	259333	46.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.360%
50) Toluene-d8	10.338	98	1054382	51.346	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.626	95	406756	50.979	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.960%
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	61261	61.567	ug/l	93
17) Carbon Disulfide	4.414	76	14753	3.124	ug/l #	89
25) 2-Butanone	7.202	43	20143	15.183	ug/l	96
31) Cyclohexane	7.979	56	114556	15.999	ug/l #	89
39) Methylcyclohexane	9.349	83	177177	19.985	ug/l	89

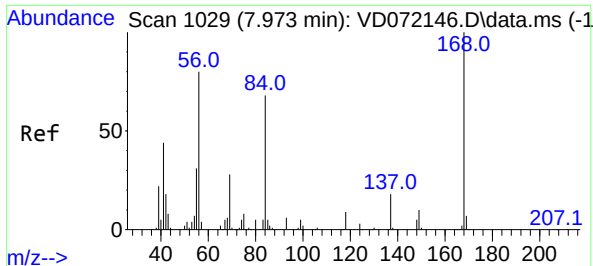
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

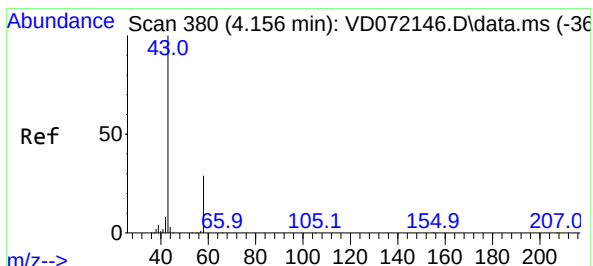
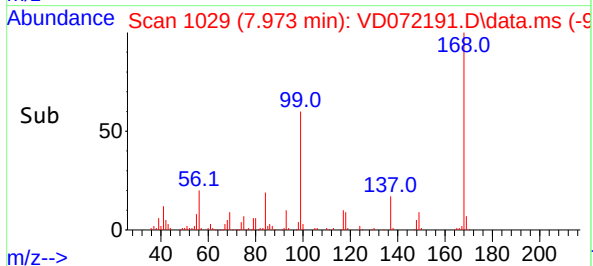
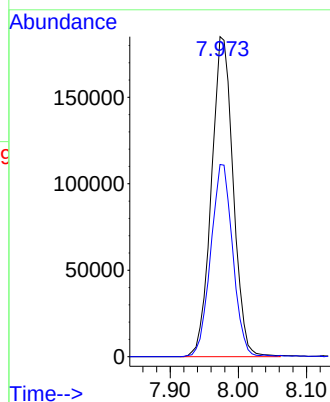
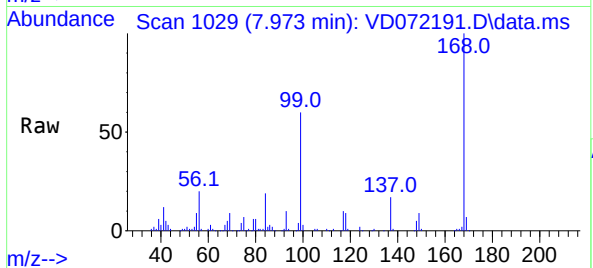




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

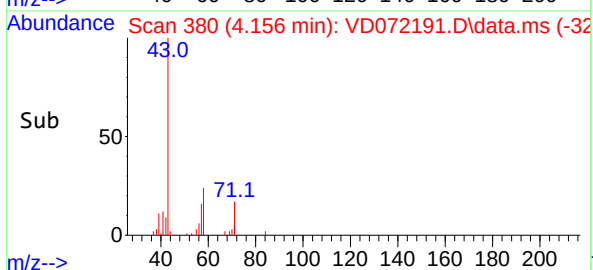
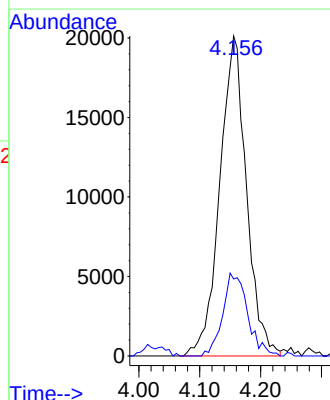
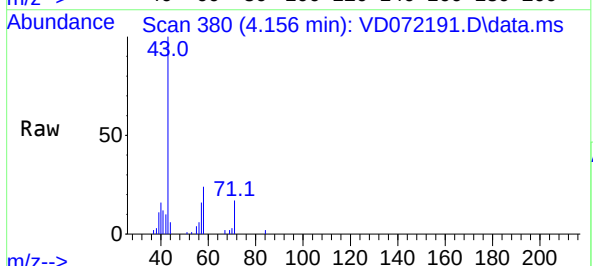
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

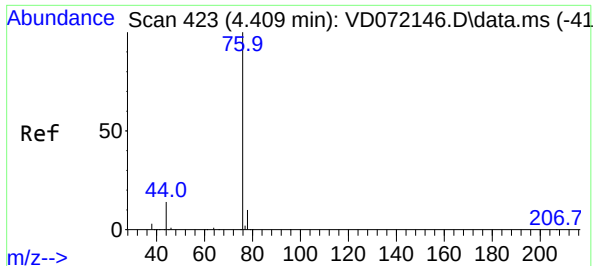
Tgt Ion:168 Resp: 411223
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#16
Acetone
Concen: 61.567 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 43 Resp: 61261
Ion Ratio Lower Upper
43 100
58 24.1 22.1 33.1

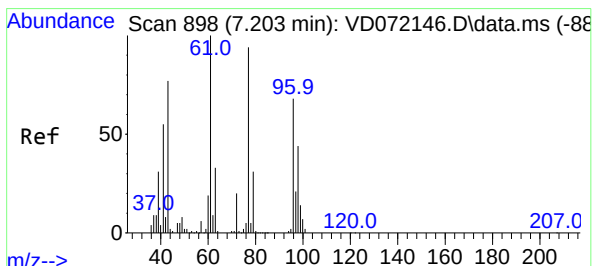
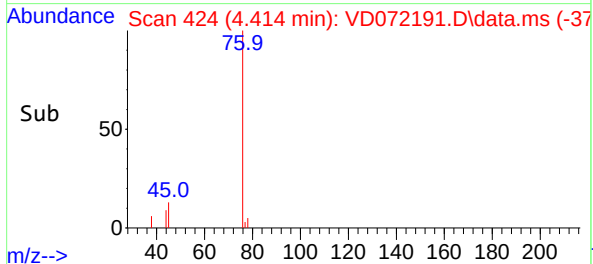
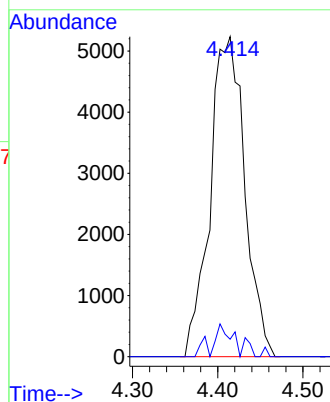
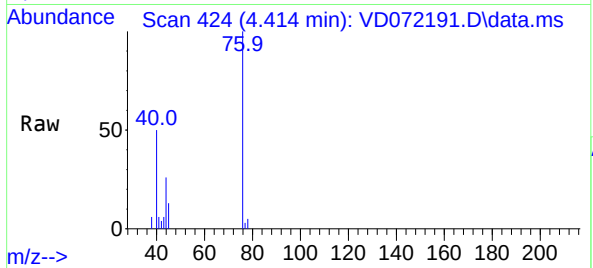




#17
Carbon Disulfide
Concen: 3.124 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

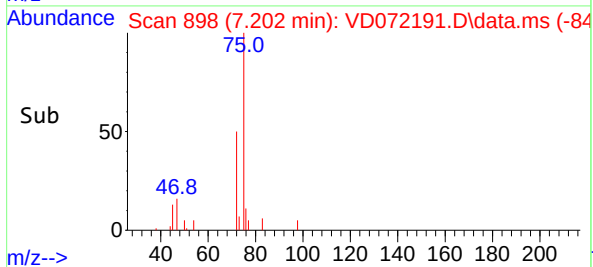
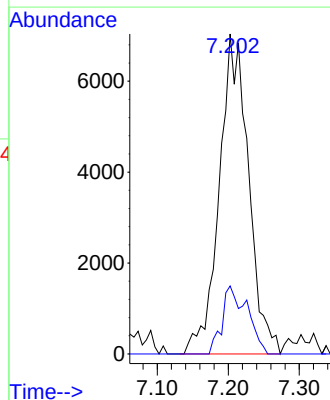
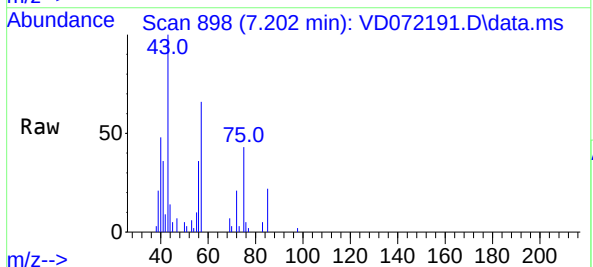
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

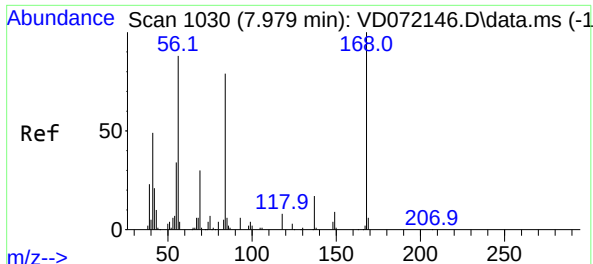
Tgt Ion: 76 Resp: 14753
Ion Ratio Lower Upper
76 100
78 5.5 7.5 11.3#



#25
2-Butanone
Concen: 15.183 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 43 Resp: 20143
Ion Ratio Lower Upper
43 100
72 21.3 18.6 27.8

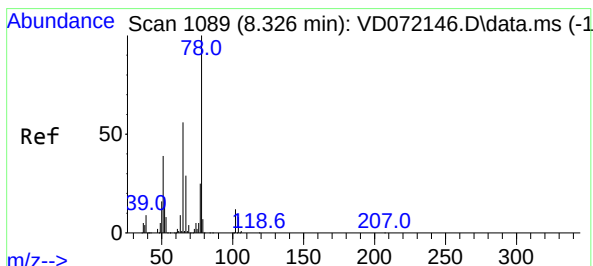
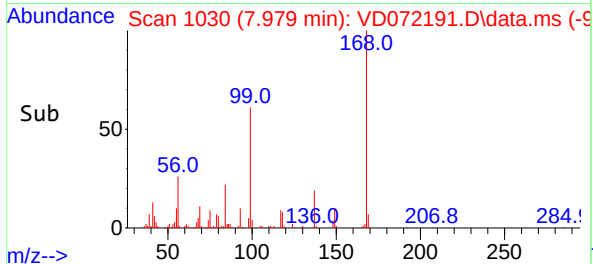
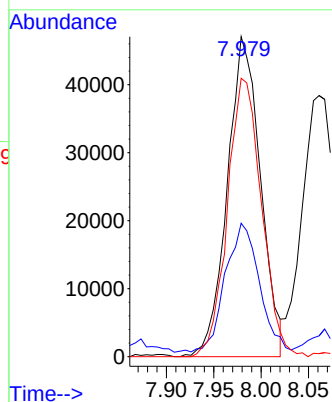
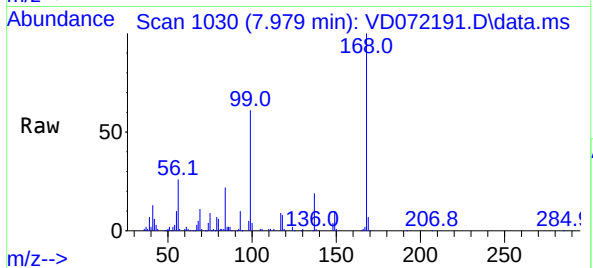




#31
Cyclohexane
Concen: 15.999 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

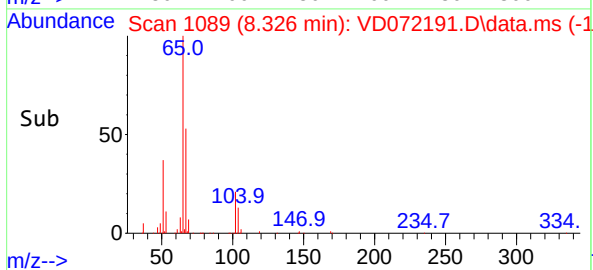
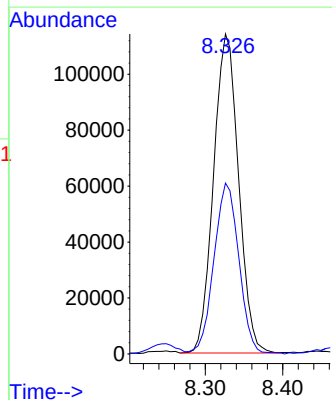
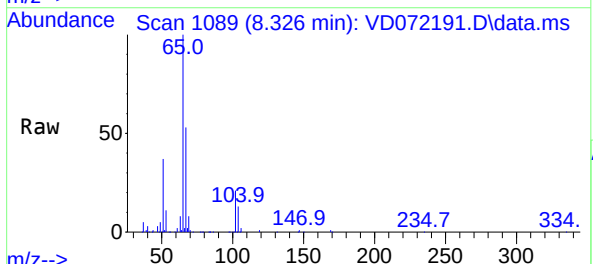
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

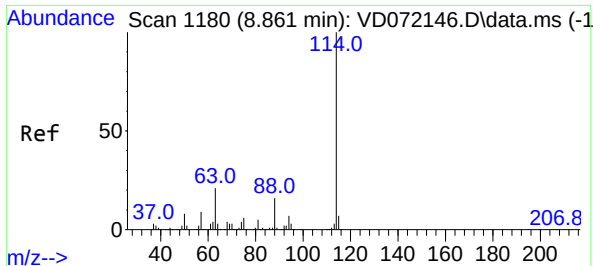
Tgt Ion: 56 Resp: 114556
Ion Ratio Lower Upper
56 100
69 40.0 25.4 38.2#
84 87.0 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 55.932 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 65 Resp: 256327
Ion Ratio Lower Upper
65 100
67 53.5 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: VD072191.D

Acq: 15 Mar 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-3-(3.0-3.5)

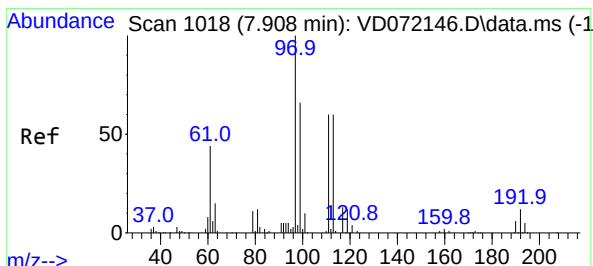
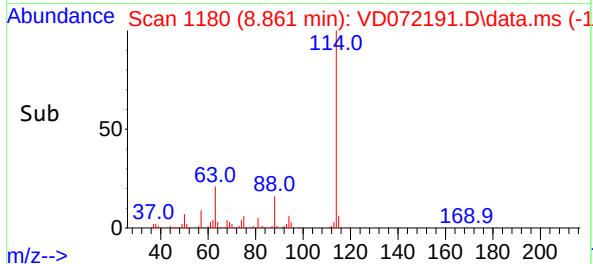
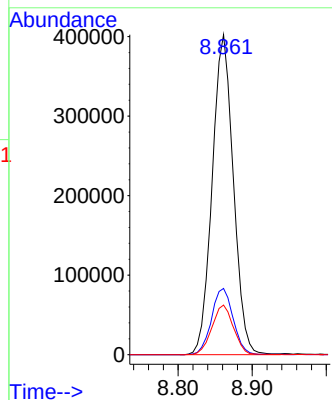
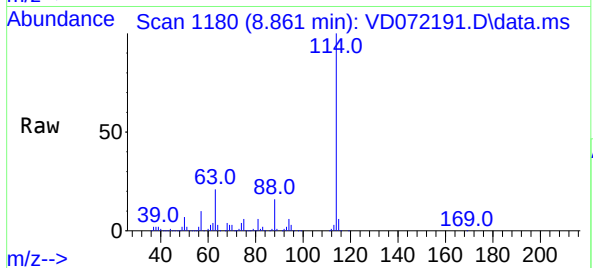
Tgt Ion:114 Resp: 798046

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.178 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072191.D

Acq: 15 Mar 2022 16:18

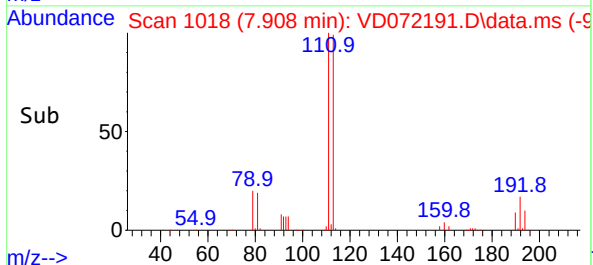
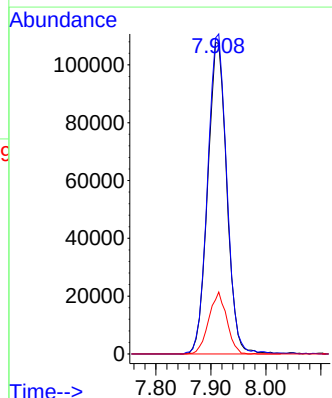
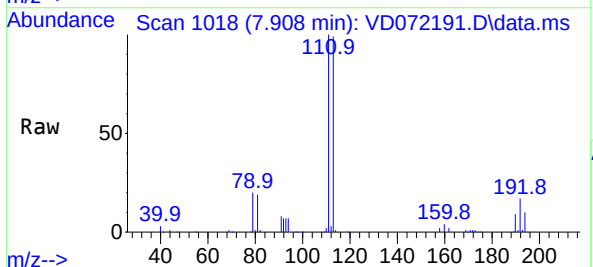
Tgt Ion:113 Resp: 259333

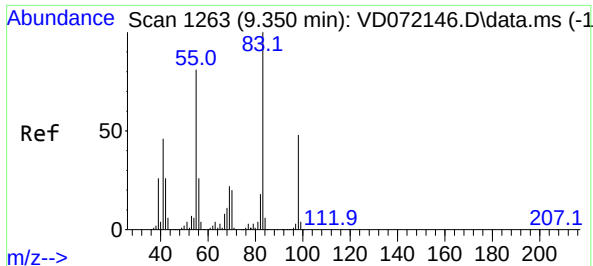
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 18.8 14.6 21.8

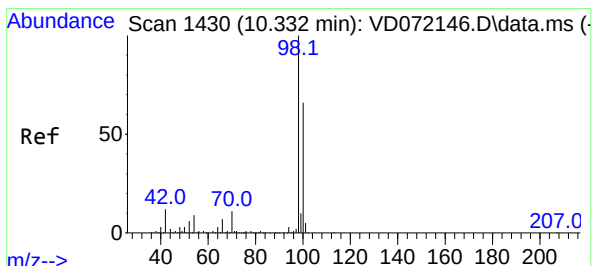
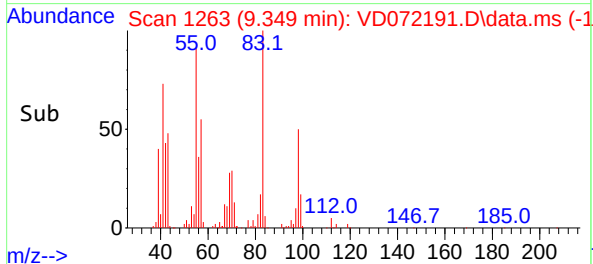
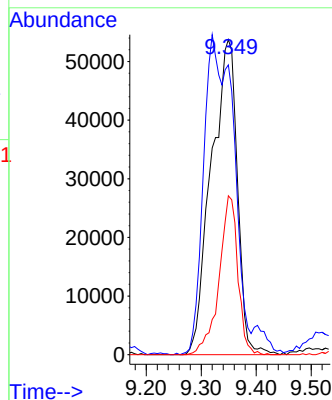
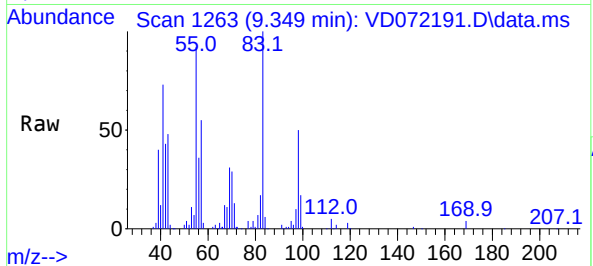




#39
Methylcyclohexane
Concen: 19.985 ug/l
RT: 9.349 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

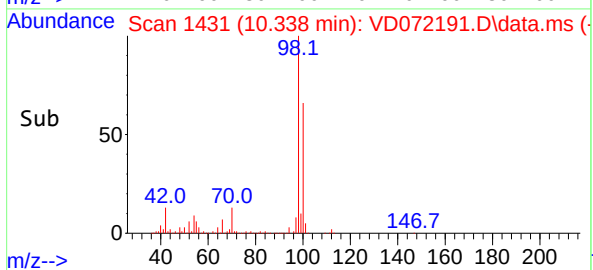
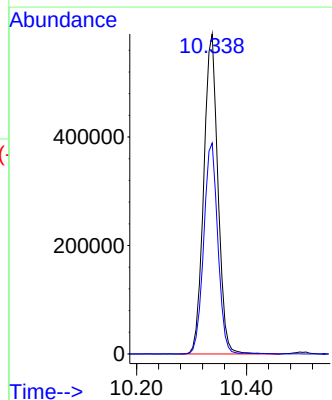
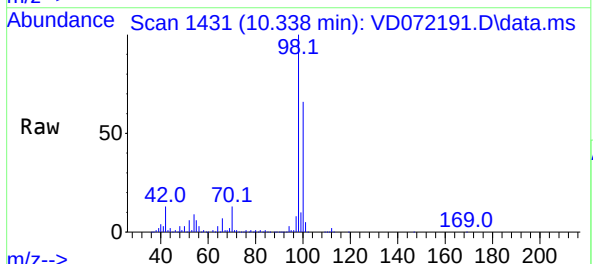
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

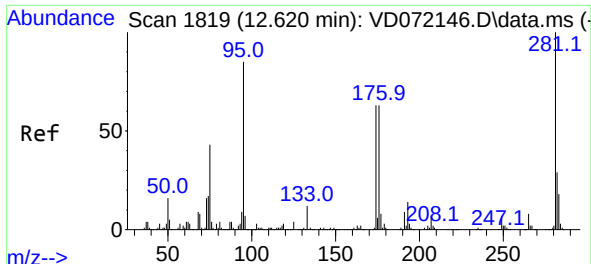
Tgt Ion: 83 Resp: 177177
Ion Ratio Lower Upper
83 100
55 91.9 63.2 94.8
98 50.4 38.2 57.4



#50
Toluene-d8
Concen: 51.346 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 98 Resp: 1054382
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



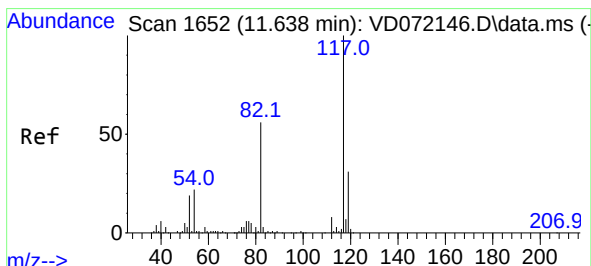
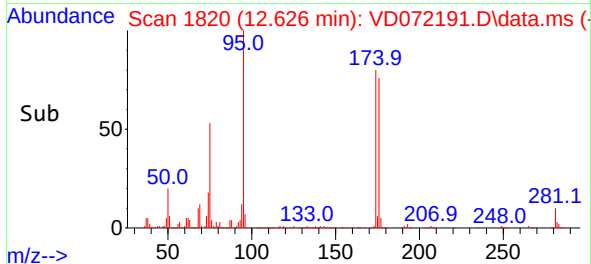
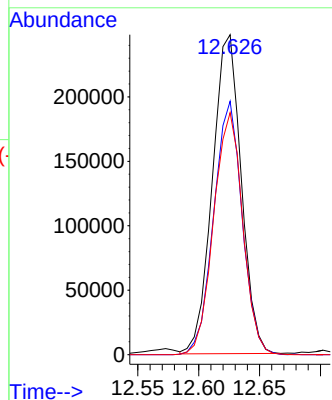
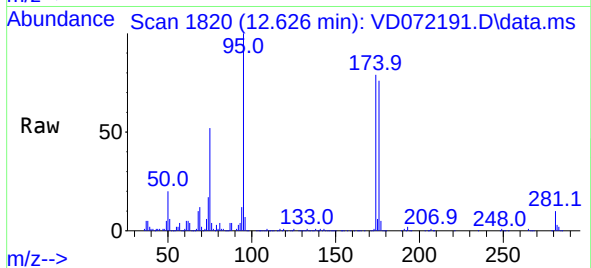


#62
4-Bromofluorobenzene
Concen: 50.979 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

Tgt Ion: 95 Resp: 406756

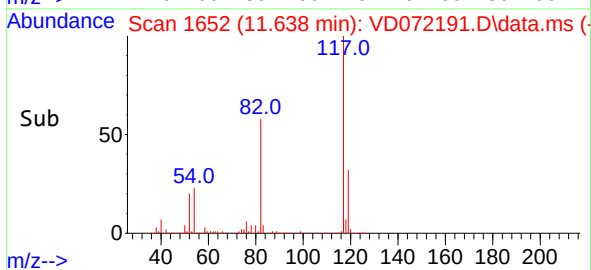
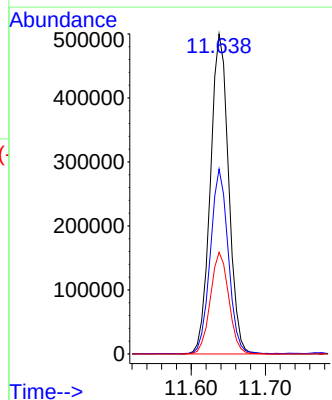
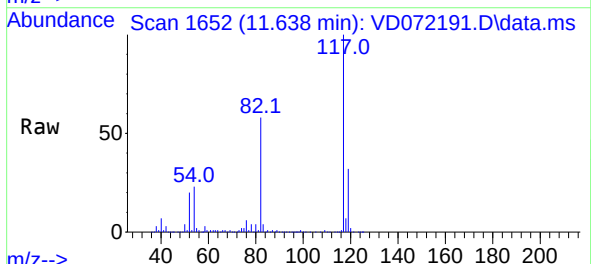
Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	152.8
176	76.5	0.0	145.4

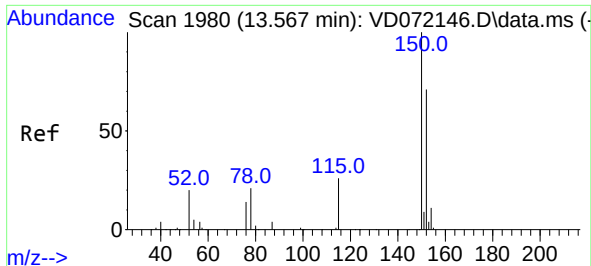


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 117 Resp: 854682

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.3	67.9
119	31.8	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 19

Delta R.T. -0.006 min

Lab File: VD072191.D

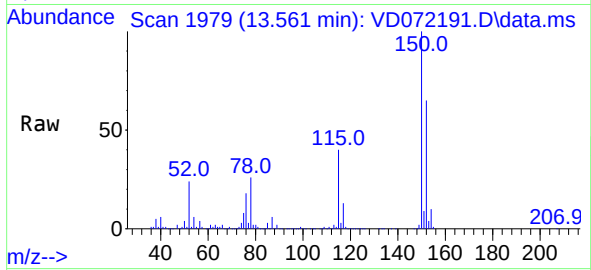
Acq: 15 Mar 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-3-(3.0-3.5)



Tgt Ion:152 Resp: 401707

Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 155.6 0.0 348.6

