

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072348.D
 Acq On : 21 Mar 2022 18:58
 Operator : VA/SY
 Sample : N1966-05
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-1-5-9-10

Quant Time: Mar 22 02:13:43 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)

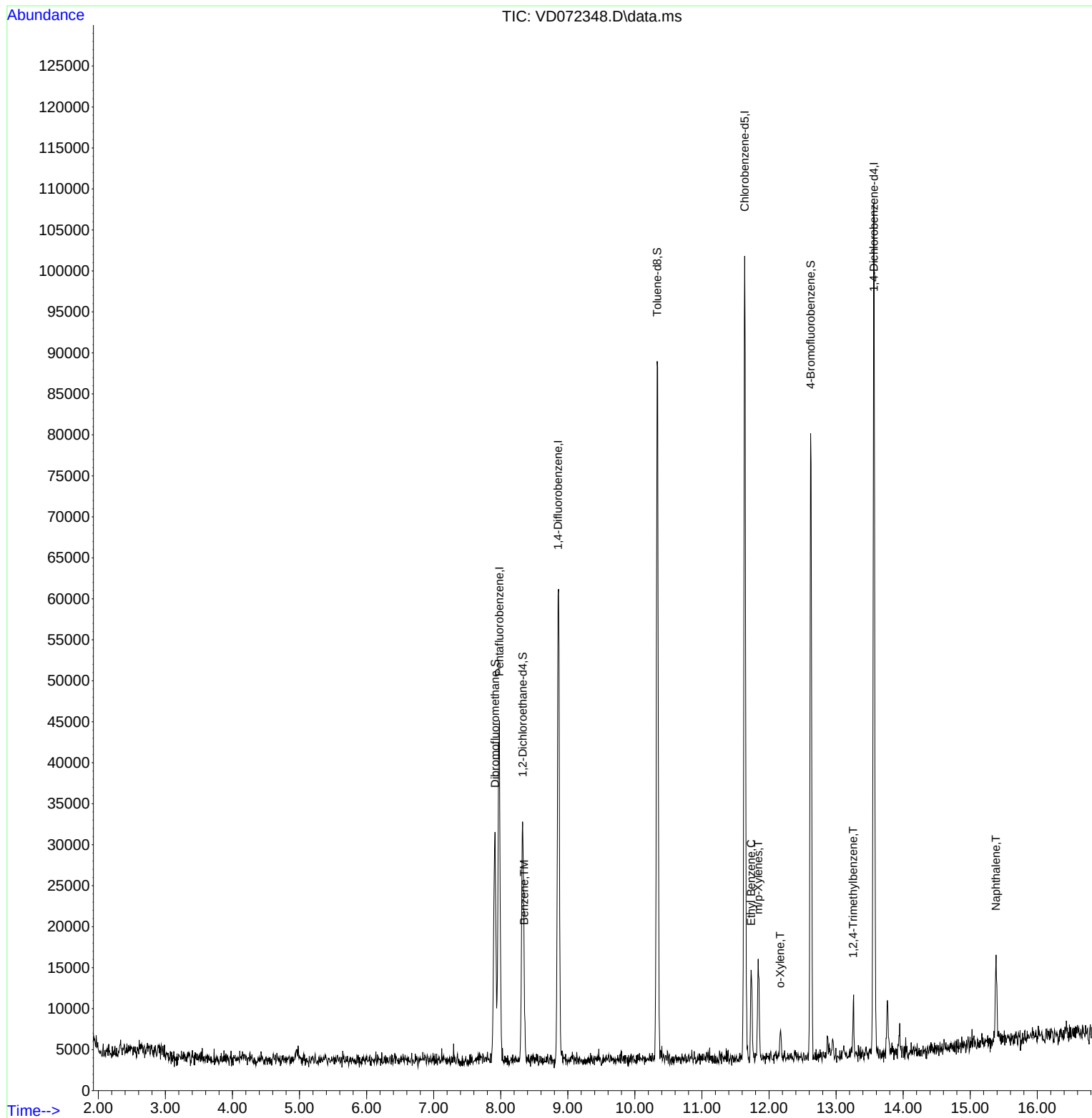
Internal Standards						
1) Pentafluorobenzene	7.979	168	29297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	49522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	56392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	25817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22491	68.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.780%	
35) Dibromofluoromethane	7.914	113	19894	57.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.180%	
50) Toluene-d8	10.332	98	60001	47.087	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.180%	
62) 4-Bromofluorobenzene	12.620	95	24887	50.265	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.520%	
Target Compounds						
					Qvalue	
40) Benzene	8.350	78	3267	2.342	ug/l	99
67) Ethyl Benzene	11.732	91	7509	3.363	ug/l #	87
68) m/p-Xylenes	11.838	106	3680	4.340	ug/l	97
69) o-Xylene	12.167	106	1166	1.438	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	3493	2.017	ug/l	91
95) Naphthalene	15.385	128	9140	9.518	ug/l	98

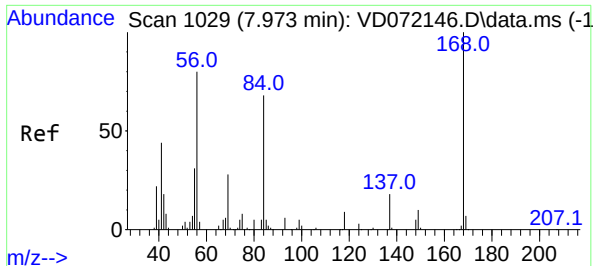
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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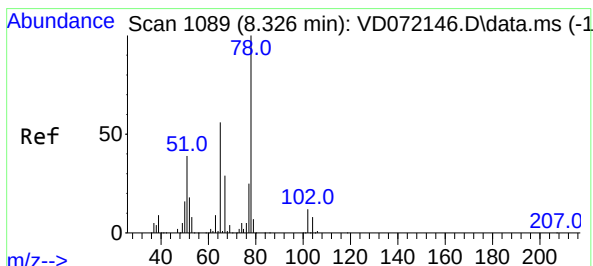
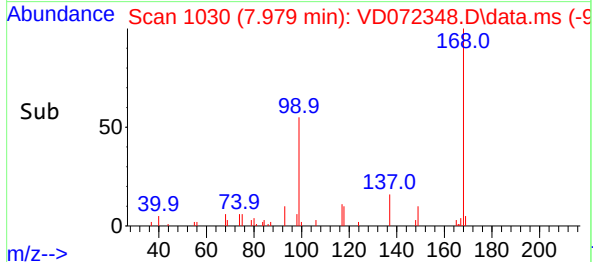
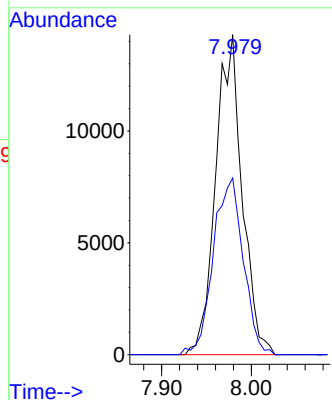
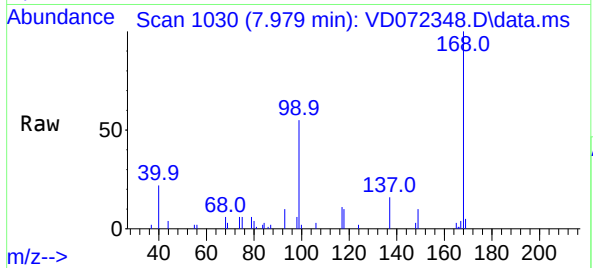




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

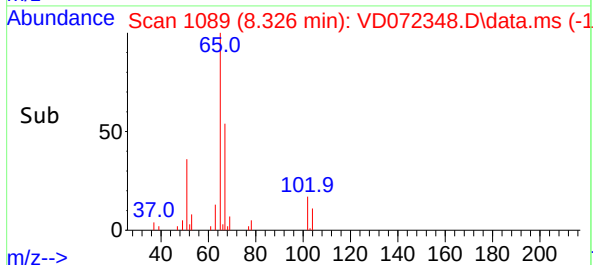
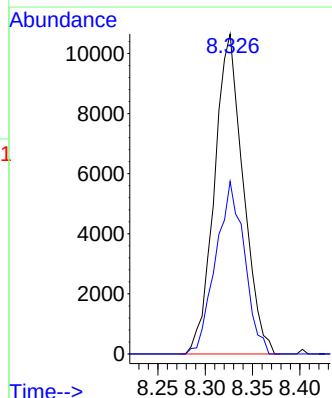
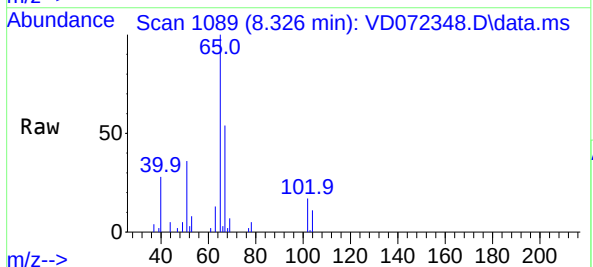
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

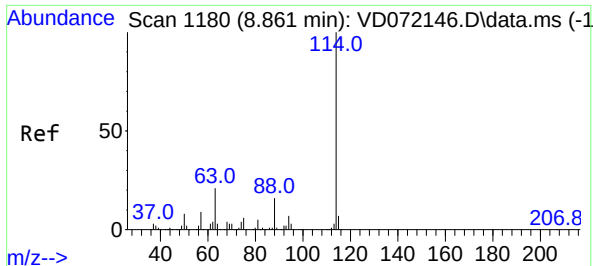
Tgt Ion:168 Resp: 29297
Ion Ratio Lower Upper
168 100
99 55.2 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: 68.885 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion: 65 Resp: 22491
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1119

Delta R.T. -0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

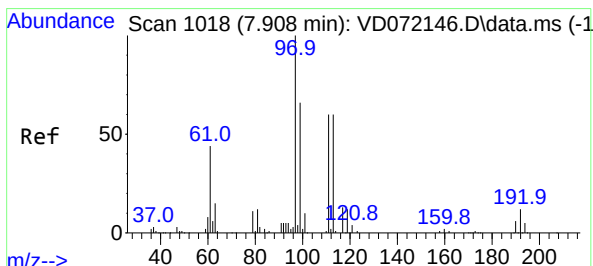
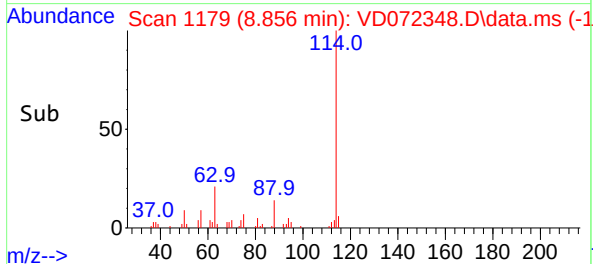
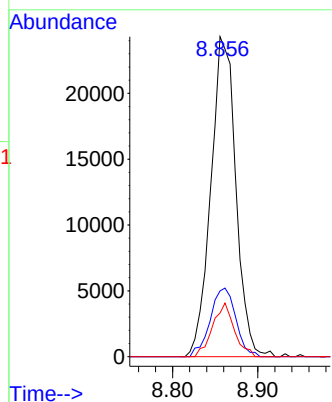
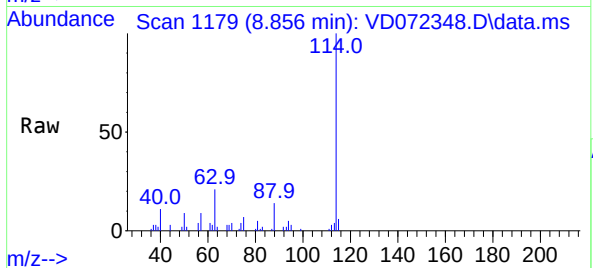
Instrument :

MSVOA_D

ClientSampleId :

G-1-5-9-10

Tgt Ion:114	Resp:	49522
Ion Ratio	Lower	Upper
114	100	
63	20.5	0.0 46.6
88	13.7	0.0 33.2



#35

Dibromofluoromethane

Concen: 57.086 ug/l

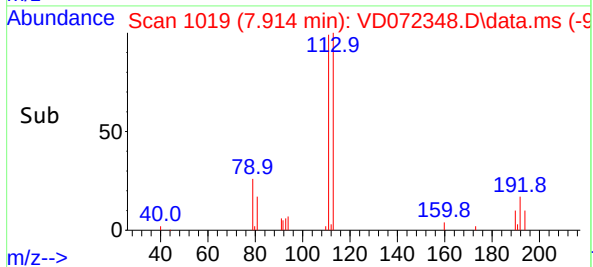
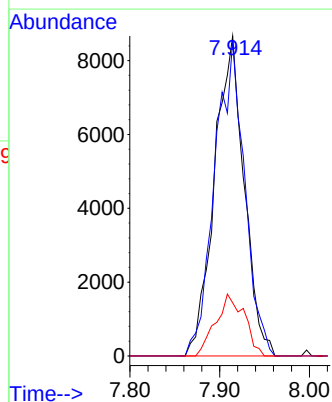
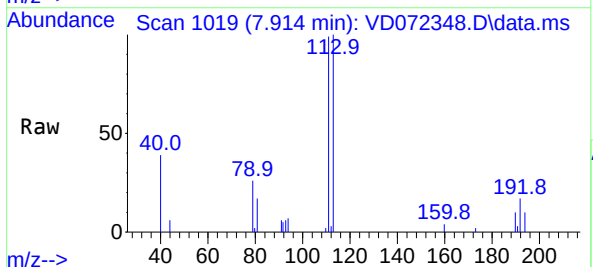
RT: 7.914 min Scan# 1019

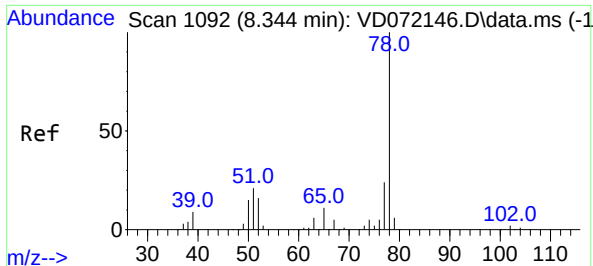
Delta R.T. 0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Tgt Ion:113	Resp:	19894
Ion Ratio	Lower	Upper
113	100	
111	99.1	83.8 125.6
192	18.6	14.6 21.8

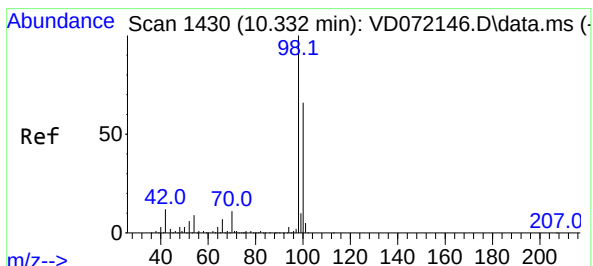
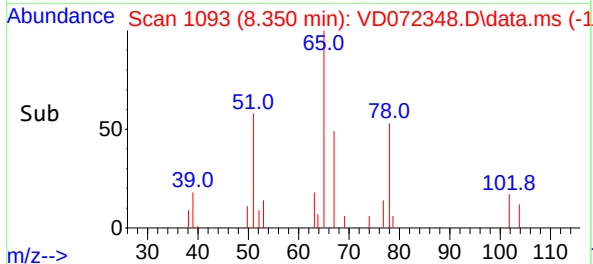
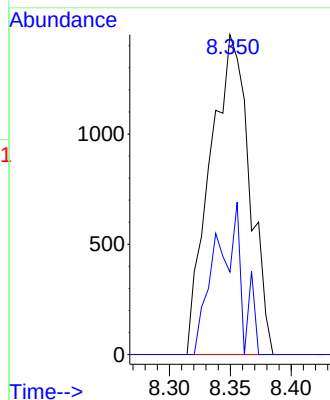
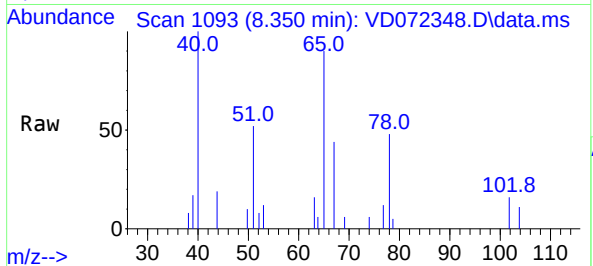




#40
Benzene
Concen: 2.342 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

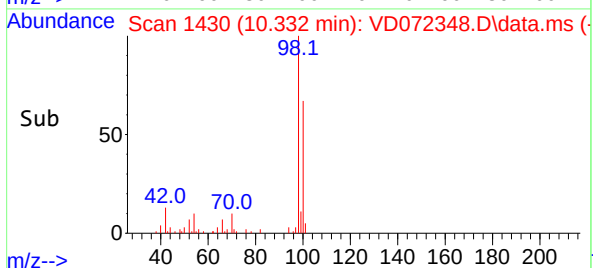
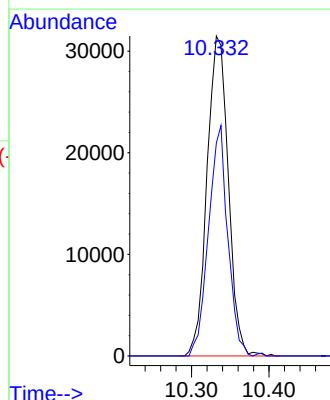
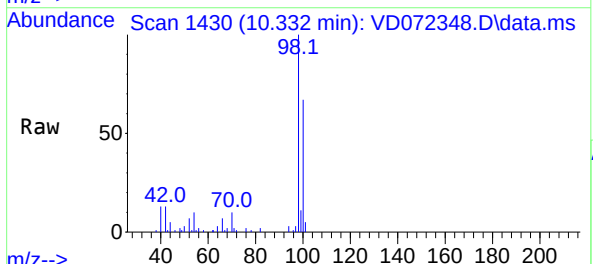
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

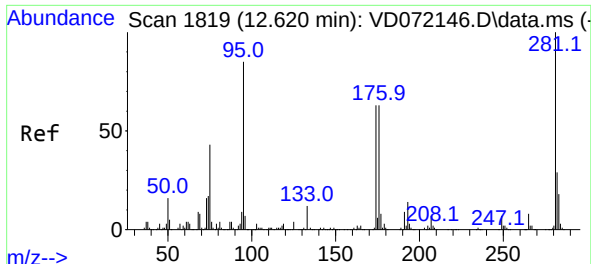
Tgt Ion: 78 Resp: 3267
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



#50
Toluene-d8
Concen: 47.087 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion: 98 Resp: 60001
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 50.265 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

G-1-5-9-10

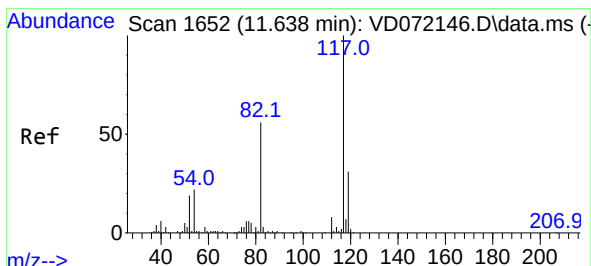
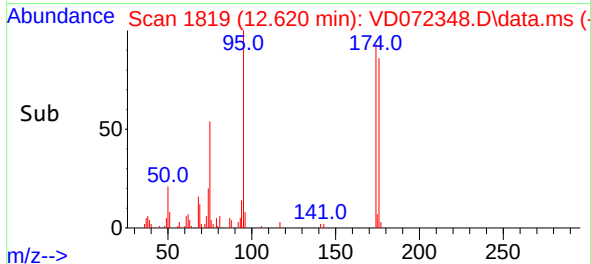
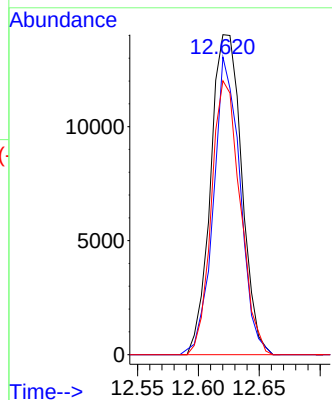
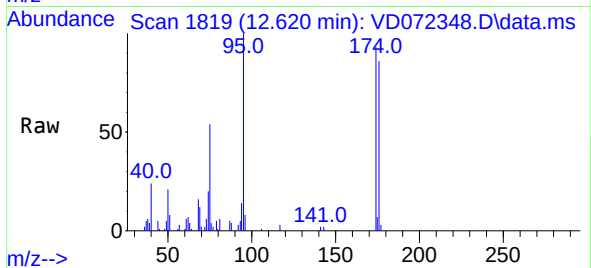
Tgt Ion: 95 Resp: 24887

Ion Ratio Lower Upper

95 100

174 79.9 0.0 152.8

176 79.3 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: VD072348.D

Acq: 21 Mar 2022 18:58

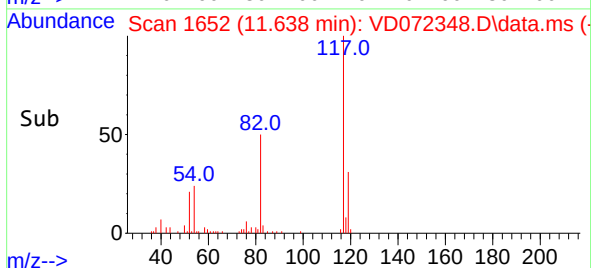
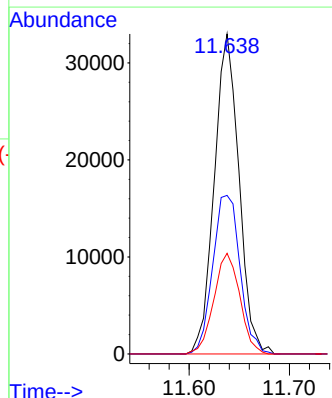
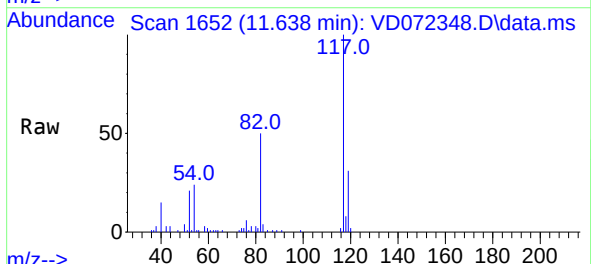
Tgt Ion: 117 Resp: 56392

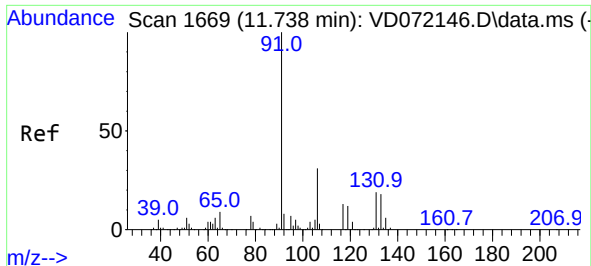
Ion Ratio Lower Upper

117 100

82 49.6 45.3 67.9

119 31.5 26.6 40.0





#67

Ethyl Benzene

Concen: 3.363 ug/l

RT: 11.732 min Scan# 1668

Delta R.T. -0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

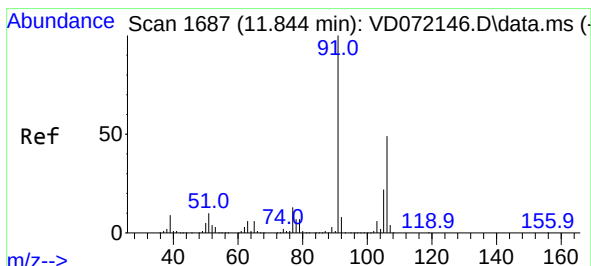
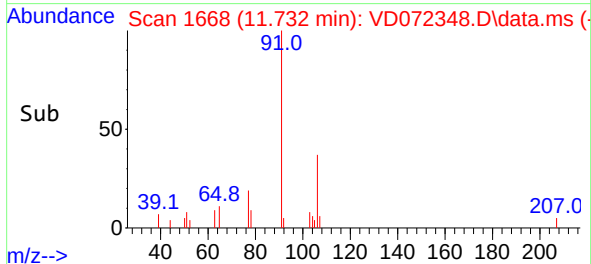
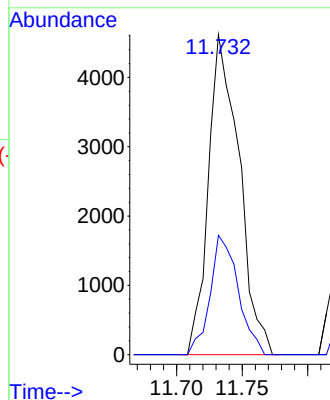
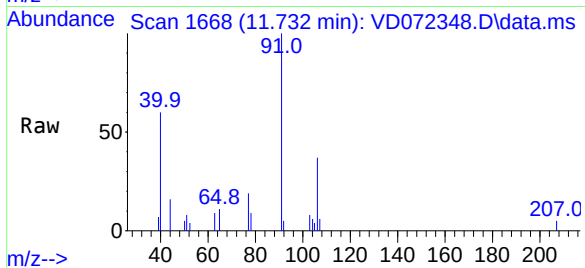
G-1-5-9-10

Tgt Ion: 91 Resp: 7509

Ion Ratio Lower Upper

91 100

106 37.3 24.2 36.4#



#68

m/p-Xylenes

Concen: 4.340 ug/l

RT: 11.838 min Scan# 1686

Delta R.T. -0.006 min

Lab File: VD072348.D

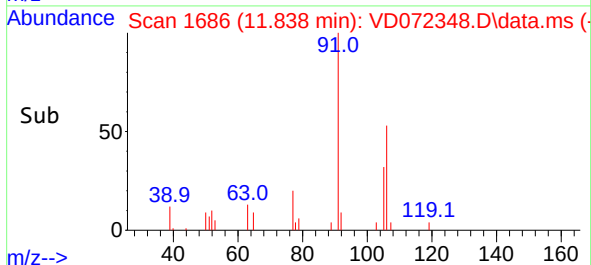
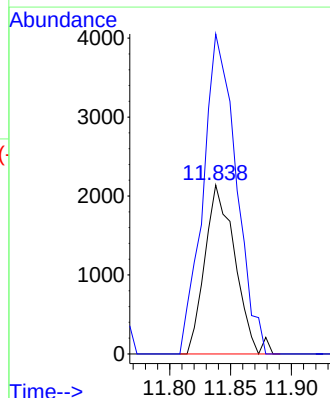
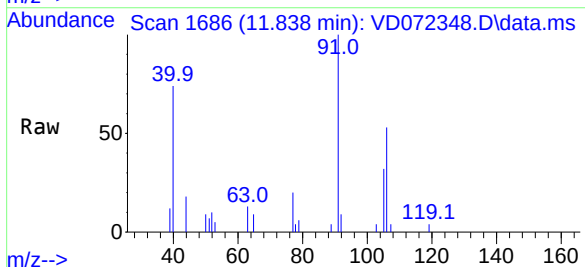
Acq: 21 Mar 2022 18:58

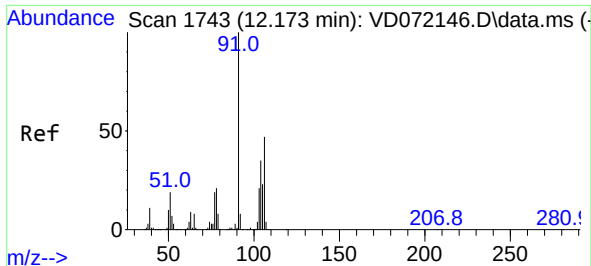
Tgt Ion:106 Resp: 3680

Ion Ratio Lower Upper

106 100

91 209.0 163.7 245.5

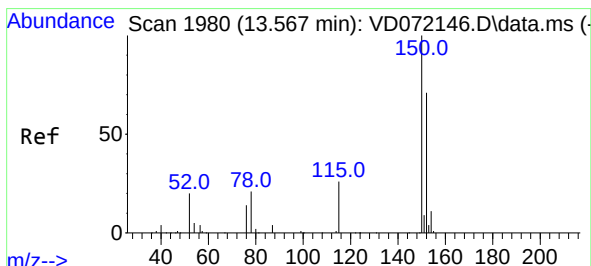
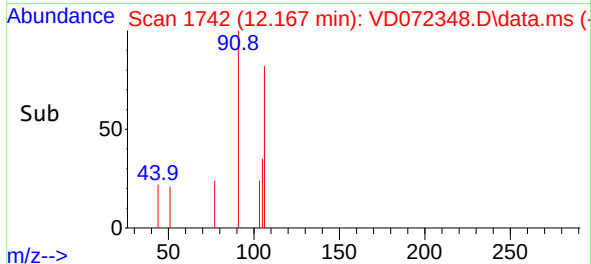
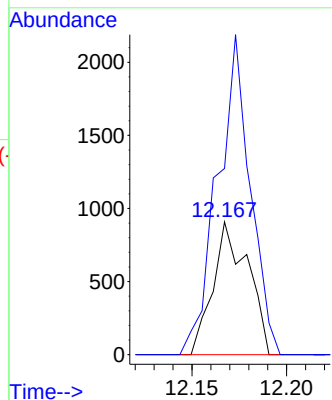
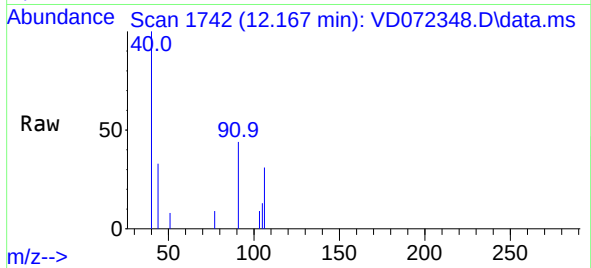




#69
o-Xylene
Concen: 1.438 ug/l
RT: 12.167 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

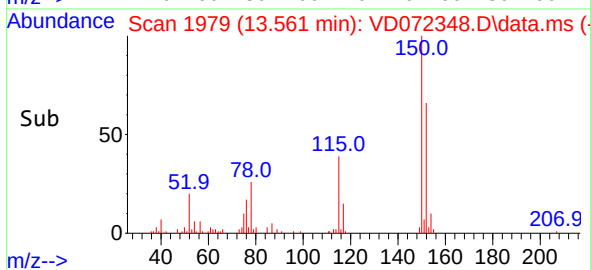
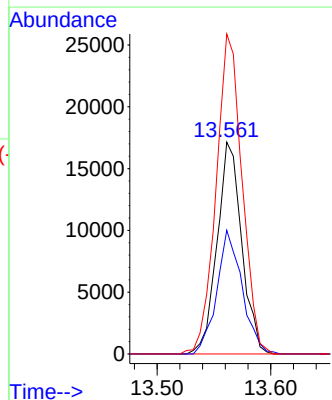
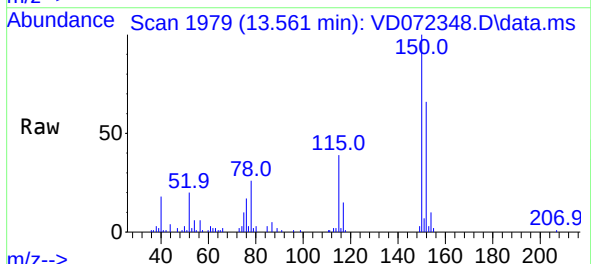
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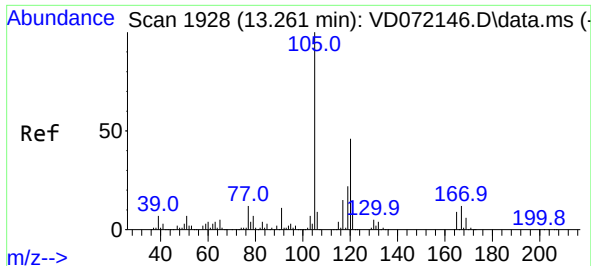
Tgt Ion:106 Resp: 1166
Ion Ratio Lower Upper
106 100
91 225.2 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion:152 Resp: 25817
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 159.6 0.0 348.6

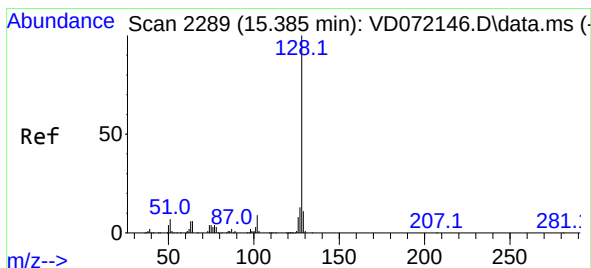
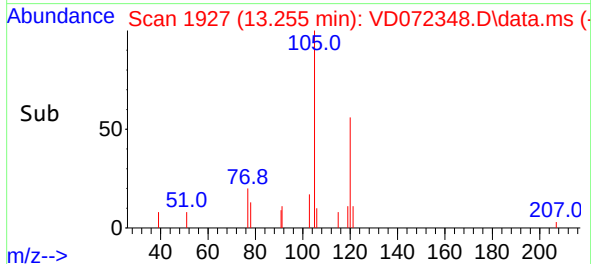
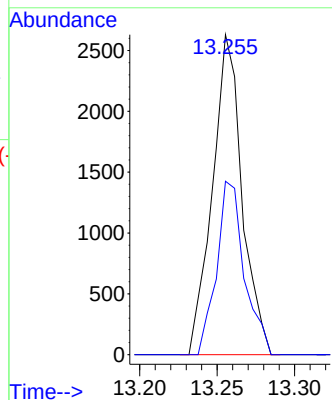
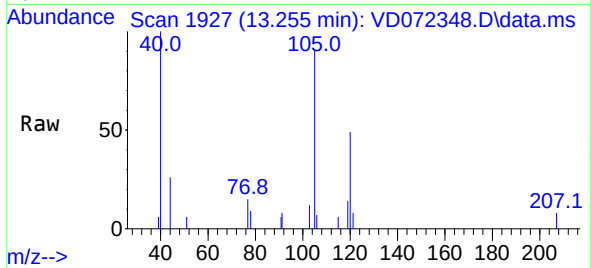




#84
1,2,4-Trimethylbenzene
Concen: 2.017 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

Tgt Ion:105 Resp: 3493
Ion Ratio Lower Upper
105 100
120 50.6 22.3 66.8



#95
Naphthalene
Concen: 9.518 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion:128 Resp: 9140
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 9.7 8.4 12.6

