

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112221\
 Data File : VW020944.D
 Acq On : 22 Nov 2021 18:13
 Operator : SY/VA
 Sample : M4811-01
 Misc : 5.20g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20071

Quant Time: Nov 23 02:26:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:03:38 2021
 Response via : Initial Calibration

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

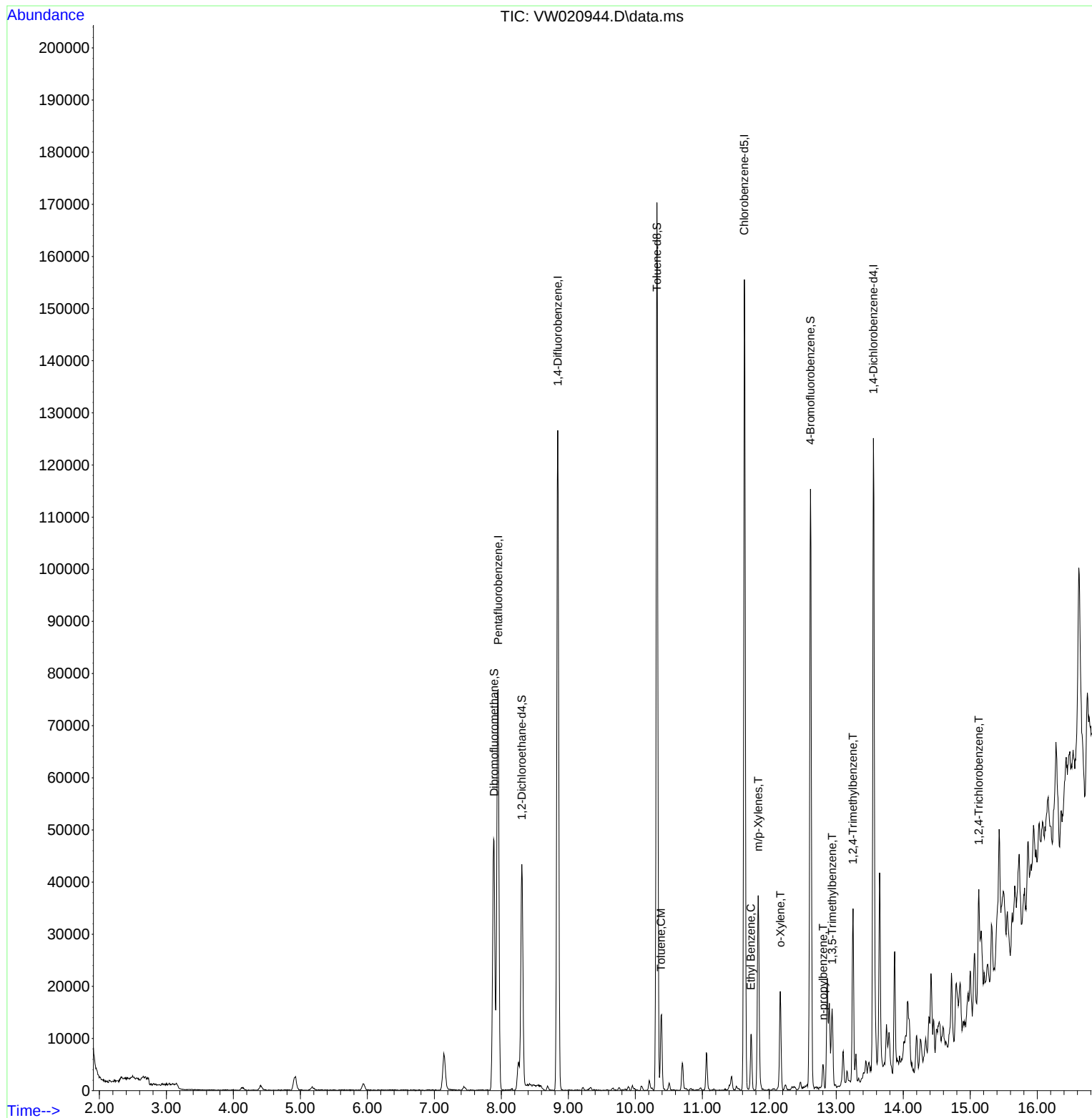
Internal Standards						
1) Pentafluorobenzene	7.952	168	63464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	109887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	86545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	32087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	33807	57.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.020%
35) Dibromofluoromethane	7.891	113	33260	48.254	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.500%
50) Toluene-d8	10.323	98	109412	43.281	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.560%
62) 4-Bromofluorobenzene	12.615	95	33534	35.569	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.140%
Target Compounds						
					Qvalue	
52) Toluene	10.384	92	6405	3.540	ug/l	100
67) Ethyl Benzene	11.725	91	7543	2.470	ug/l	93
68) m/p-Xylenes	11.835	106	11455	9.279	ug/l	99
69) o-Xylene	12.164	106	5055	4.367	ug/l	95
78) n-propylbenzene	12.804	91	4034	1.562	ug/l	96
80) 1,3,5-Trimethylbenzene	12.938	105	5368	2.855	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	18208	9.806	ug/l	100
93) 1,2,4-Trichlorobenzene	15.127	180	5376	7.956	ug/l #	86

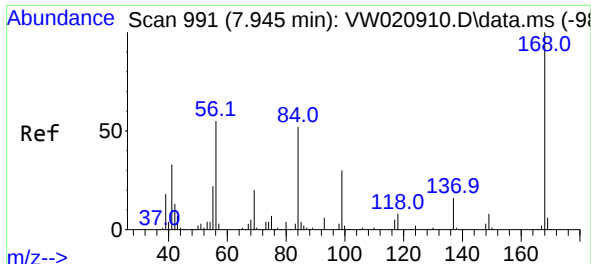
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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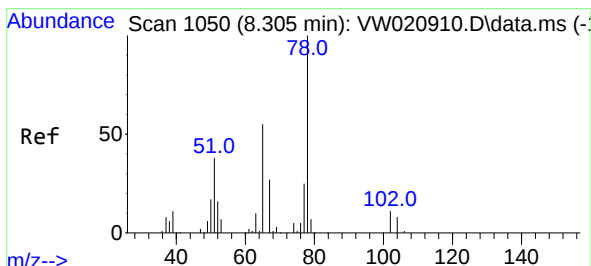
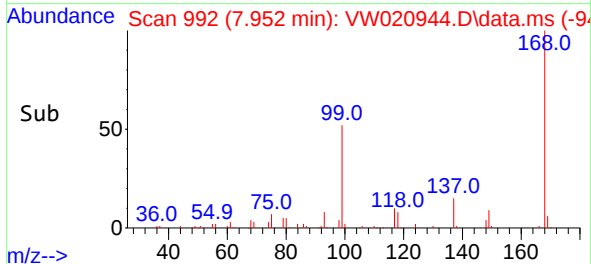
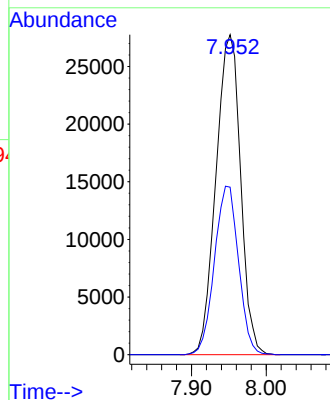
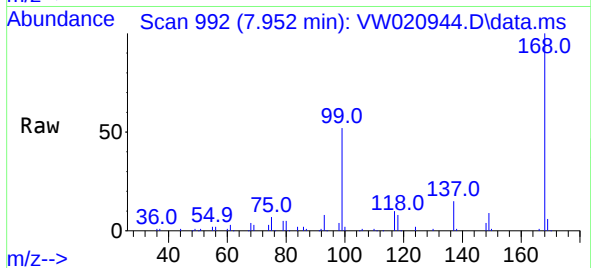




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 991
Delta R.T. 0.007 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

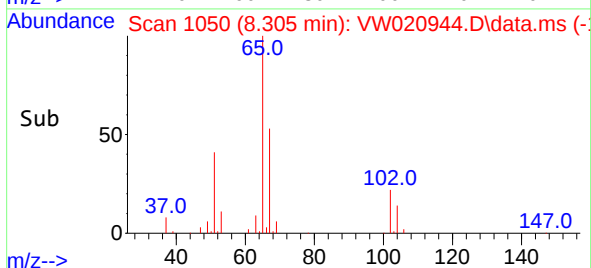
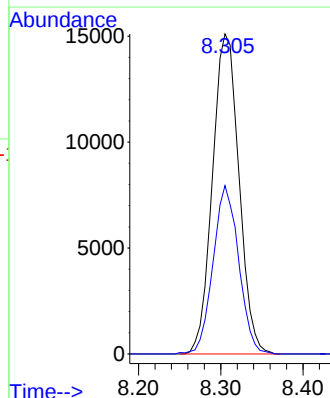
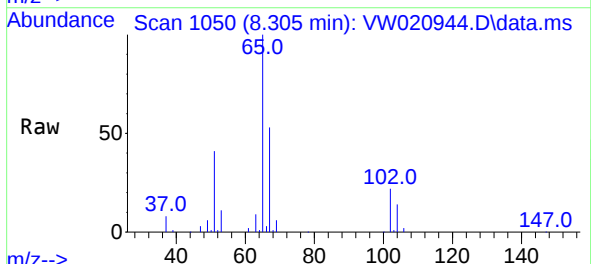
Instrument :
MSVOA_W
ClientSampleId :
20071

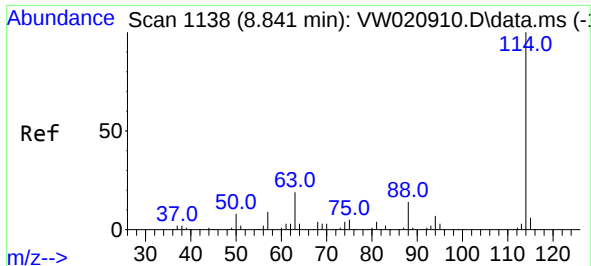
Tgt Ion:168 Resp: 63464
Ion Ratio Lower Upper
168 100
99 52.4 41.6 62.4



#33
1,2-Dichloroethane-d4
Concen: 57.508 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

Tgt Ion: 65 Resp: 33807
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VW020944.D

Acq: 22 Nov 2021 18:13

Instrument :

MSVOA_W

ClientSampleId :

20071

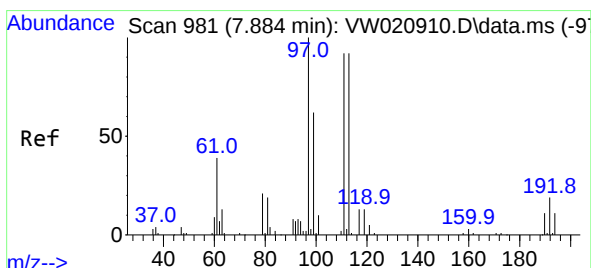
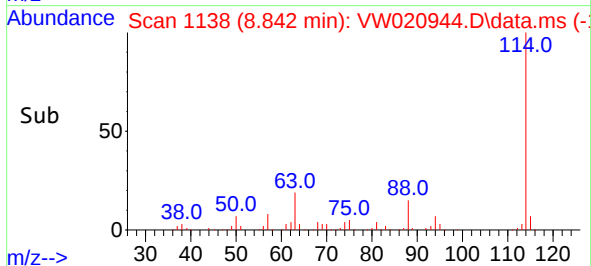
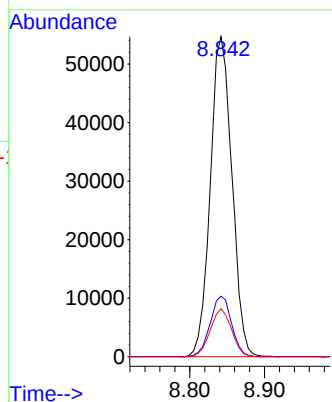
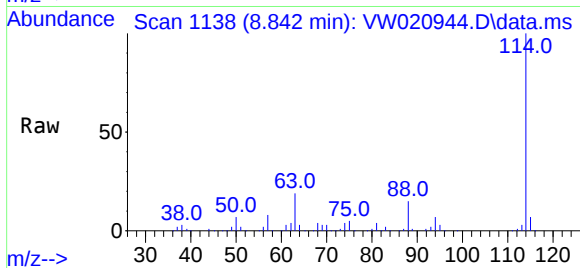
Tgt Ion:114 Resp: 109887

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.2

88 15.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.254 ug/l

RT: 7.891 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW020944.D

Acq: 22 Nov 2021 18:13

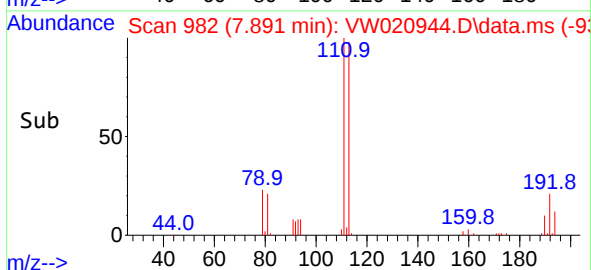
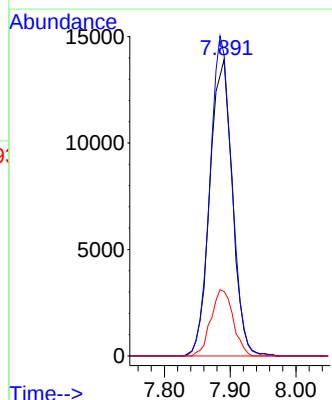
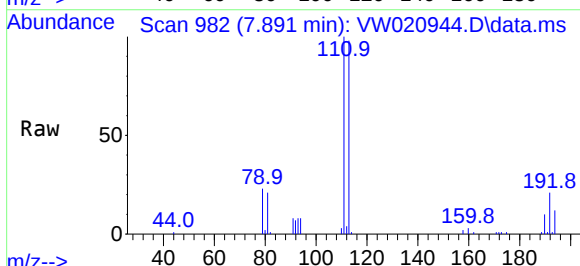
Tgt Ion:113 Resp: 33260

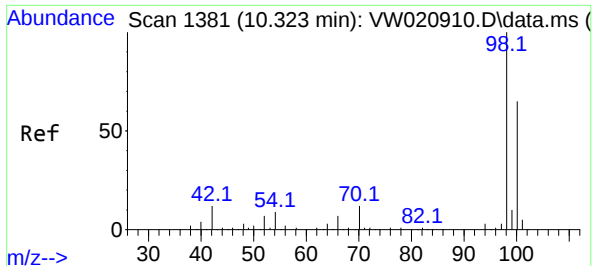
Ion Ratio Lower Upper

113 100

111 104.3 81.2 121.8

192 22.0 16.8 25.2

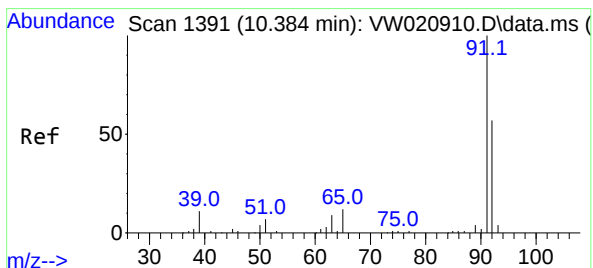
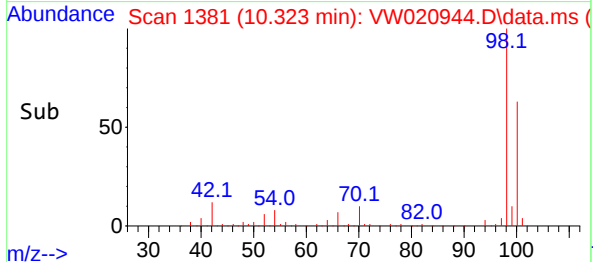
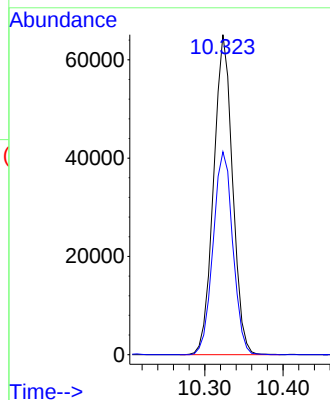
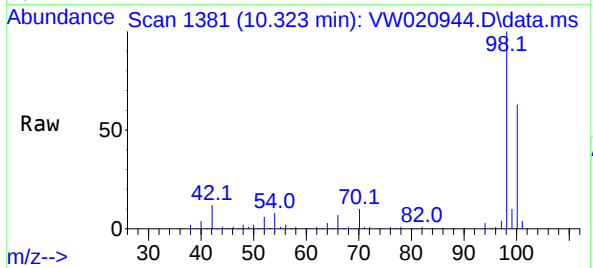




#50
Toluene-d8
Concen: 43.281 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

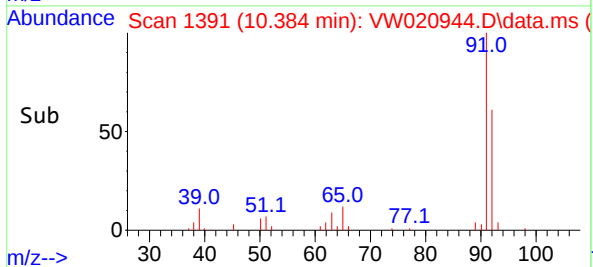
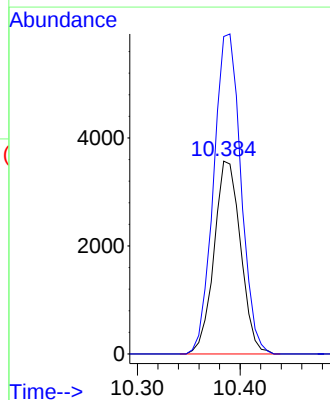
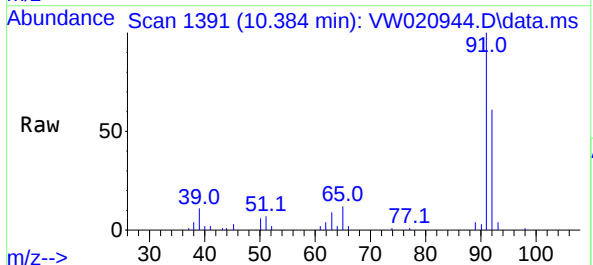
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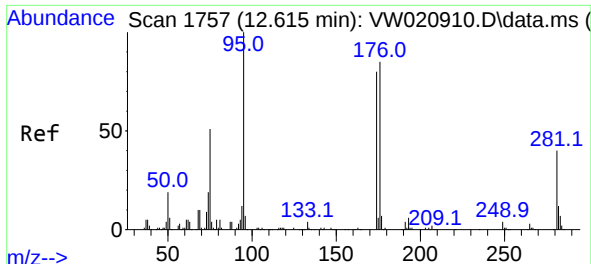
Tgt Ion: 98 Resp: 109412
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0



#52
Toluene
Concen: 3.540 ug/l
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

Tgt Ion: 92 Resp: 6405
Ion Ratio Lower Upper
92 100
91 170.7 137.1 205.7

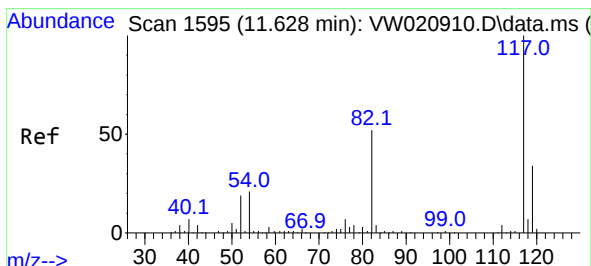
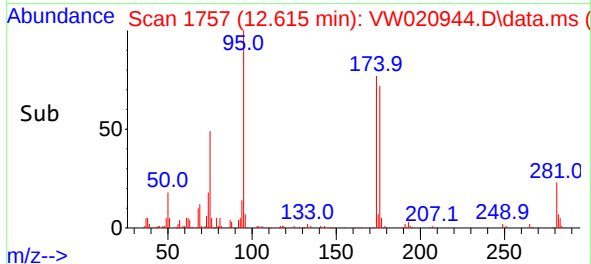
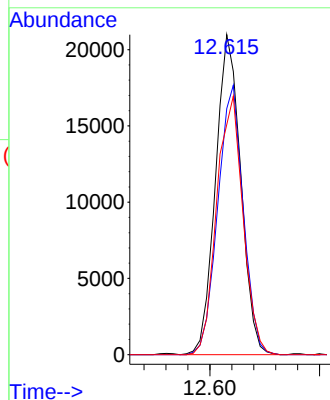
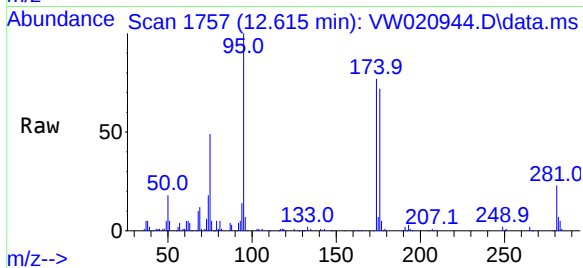




#62
4-Bromofluorobenzene
Concen: 35.569 ug/l
RT: 12.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

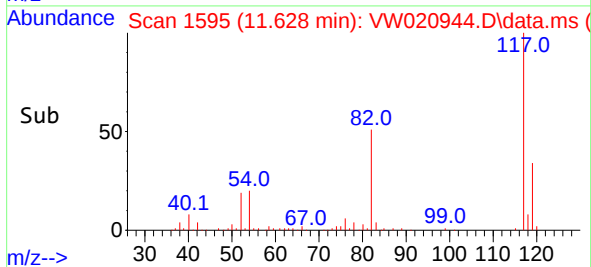
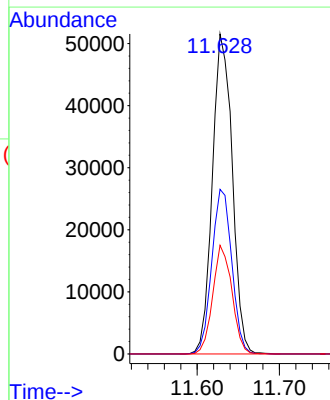
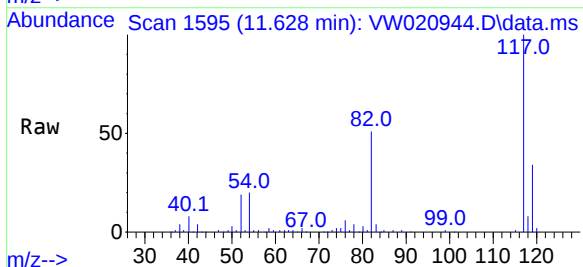
Instrument :
MSVOA_W
ClientSampleId :
20071

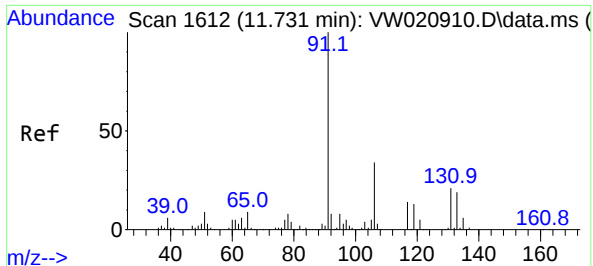
Tgt Ion:	95	Resp:	33534
Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	171.2
176	84.0	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.628 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

Tgt Ion:	117	Resp:	86545
Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.4	62.2
119	33.9	27.2	40.8





#67

Ethyl Benzene

Concen: 2.470 ug/l

RT: 11.725 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW020944.D

Acq: 22 Nov 2021 18:13

Instrument :

MSVOA_W

ClientSampleId :

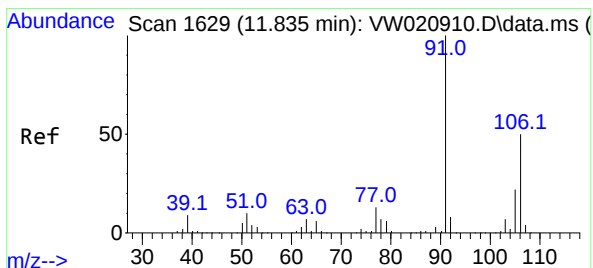
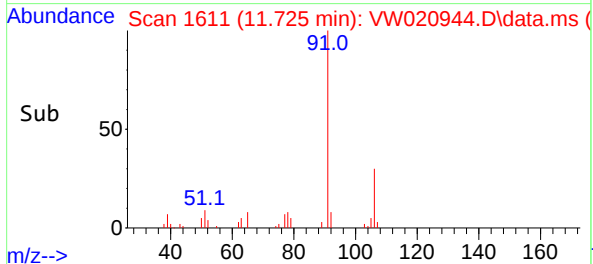
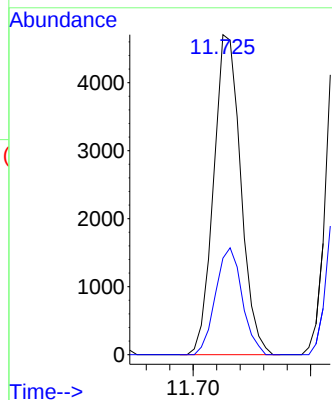
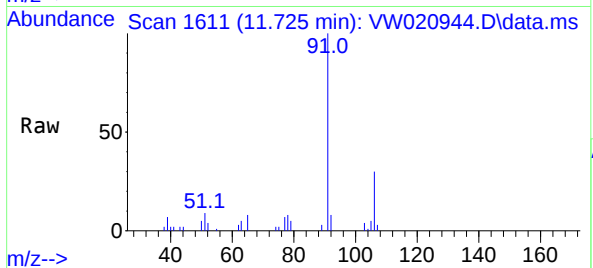
20071

Tgt Ion: 91 Resp: 7543

Ion Ratio Lower Upper

91 100

106 30.2 27.3 40.9



#68

m/p-Xylenes

Concen: 9.279 ug/l

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW020944.D

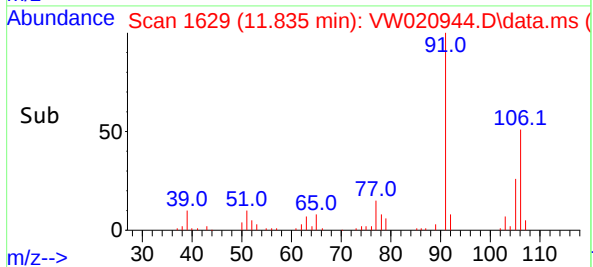
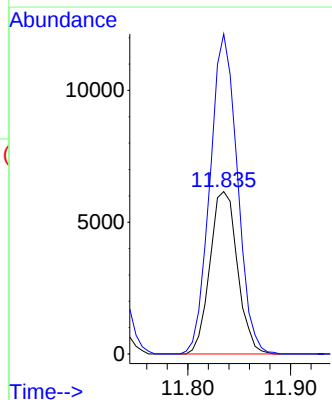
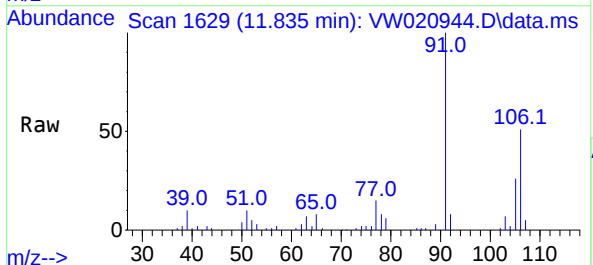
Acq: 22 Nov 2021 18:13

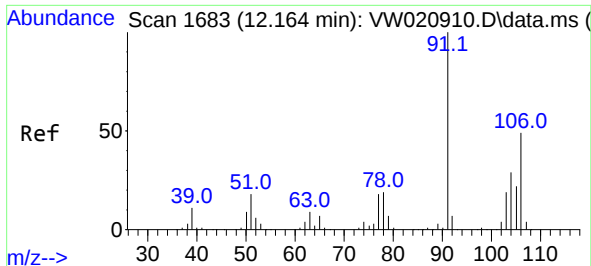
Tgt Ion:106 Resp: 11455

Ion Ratio Lower Upper

106 100

91 196.1 157.8 236.8

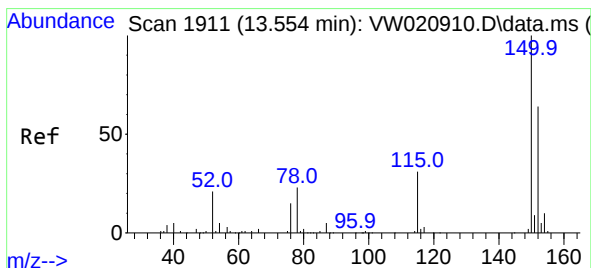
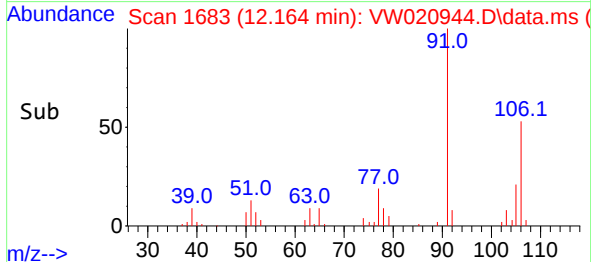
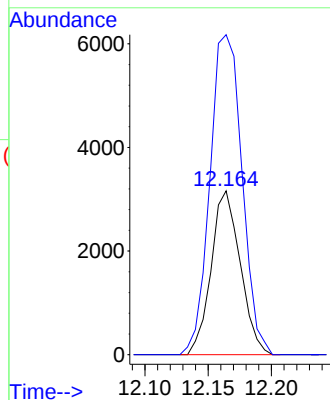
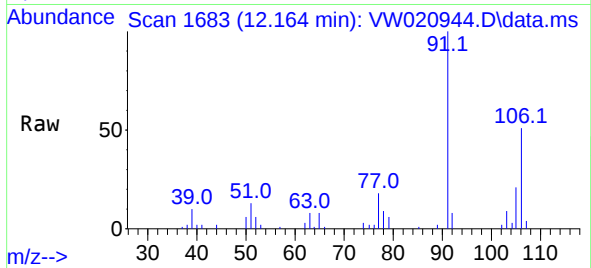




#69
o-Xylene
Concen: 4.367 ug/l
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

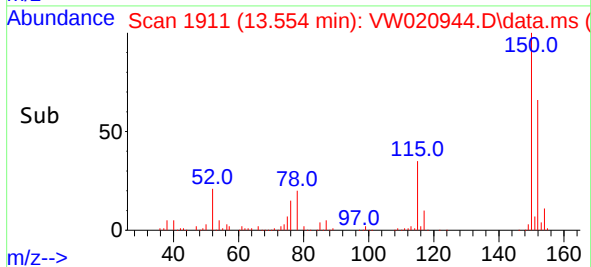
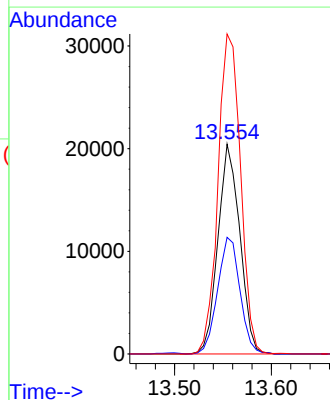
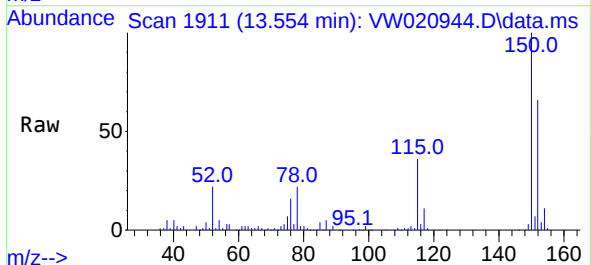
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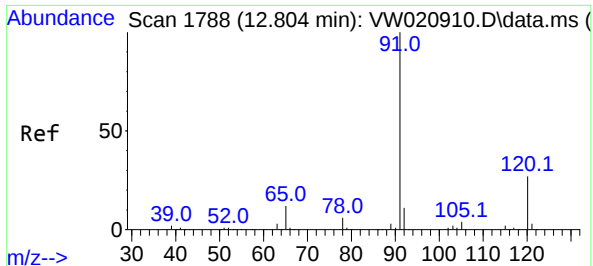
Tgt Ion:106 Resp: 5055
Ion Ratio Lower Upper
106 100
91 215.8 104.3 312.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

Tgt Ion:152 Resp: 32087
Ion Ratio Lower Upper
152 100
115 56.9 27.8 83.3
150 157.4 0.0 348.4

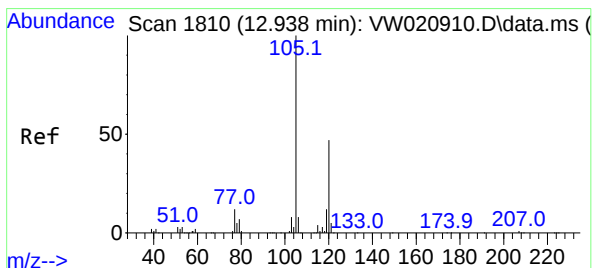
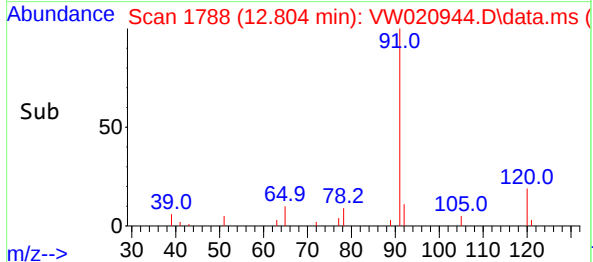
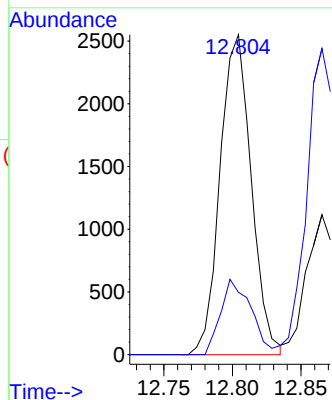
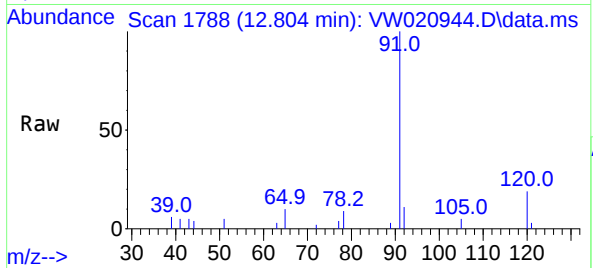




#78
n-propylbenzene
Concen: 1.562 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

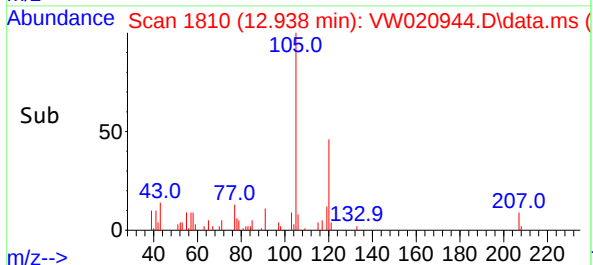
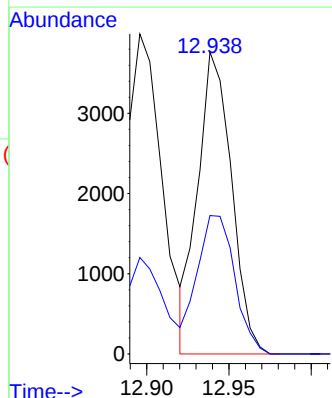
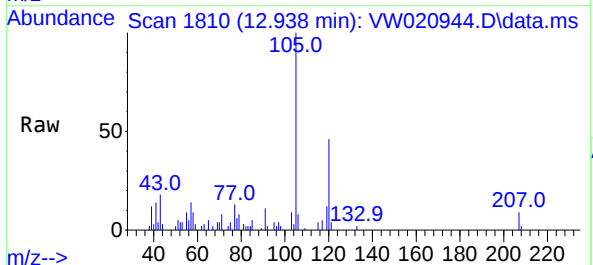
Instrument :
MSVOA_W
ClientSampleId :
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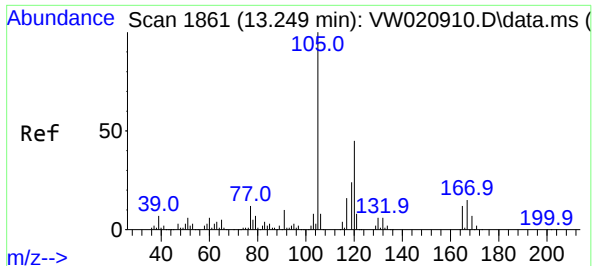
Tgt Ion: 91 Resp: 4034
Ion Ratio Lower Upper
91 100
120 22.9 12.4 37.4



#80
1,3,5-Trimethylbenzene
Concen: 2.855 ug/l
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

Tgt Ion: 105 Resp: 5368
Ion Ratio Lower Upper
105 100
120 51.1 24.7 74.1

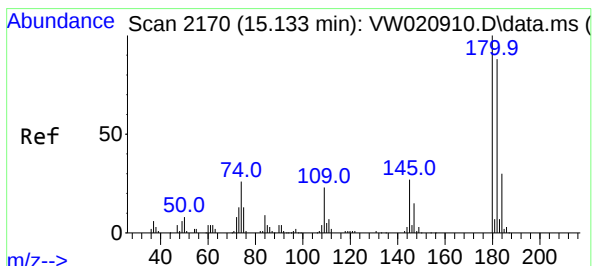
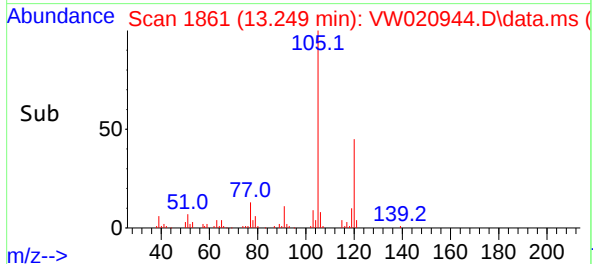
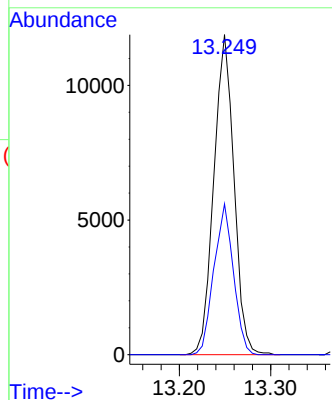
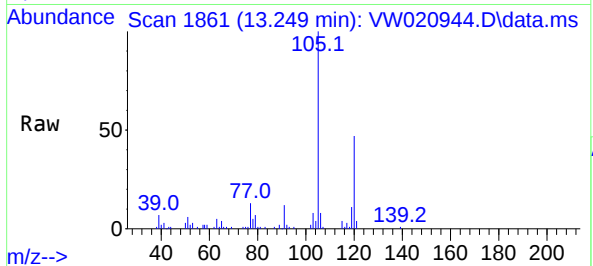




#84
1,2,4-Trimethylbenzene
Concen: 9.806 ug/l
RT: 13.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

Instrument :
MSVOA_W
ClientSampleId :
20071

Tgt Ion:105 Resp: 18208
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.1



#93
1,2,4-Trichlorobenzene
Concen: 7.956 ug/l
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW020944.D
Acq: 22 Nov 2021 18:13

Tgt Ion:180 Resp: 5376
Ion Ratio Lower Upper
180 100
182 91.5 46.5 139.3
145 58.9 15.0 45.1#

