

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071395.D
 Acq On : 20 Dec 2021 18:19
 Operator : VA/SY
 Sample : M5044-12
 Misc : 6.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DA-12-4.5

Quant Time: Dec 20 20:54:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

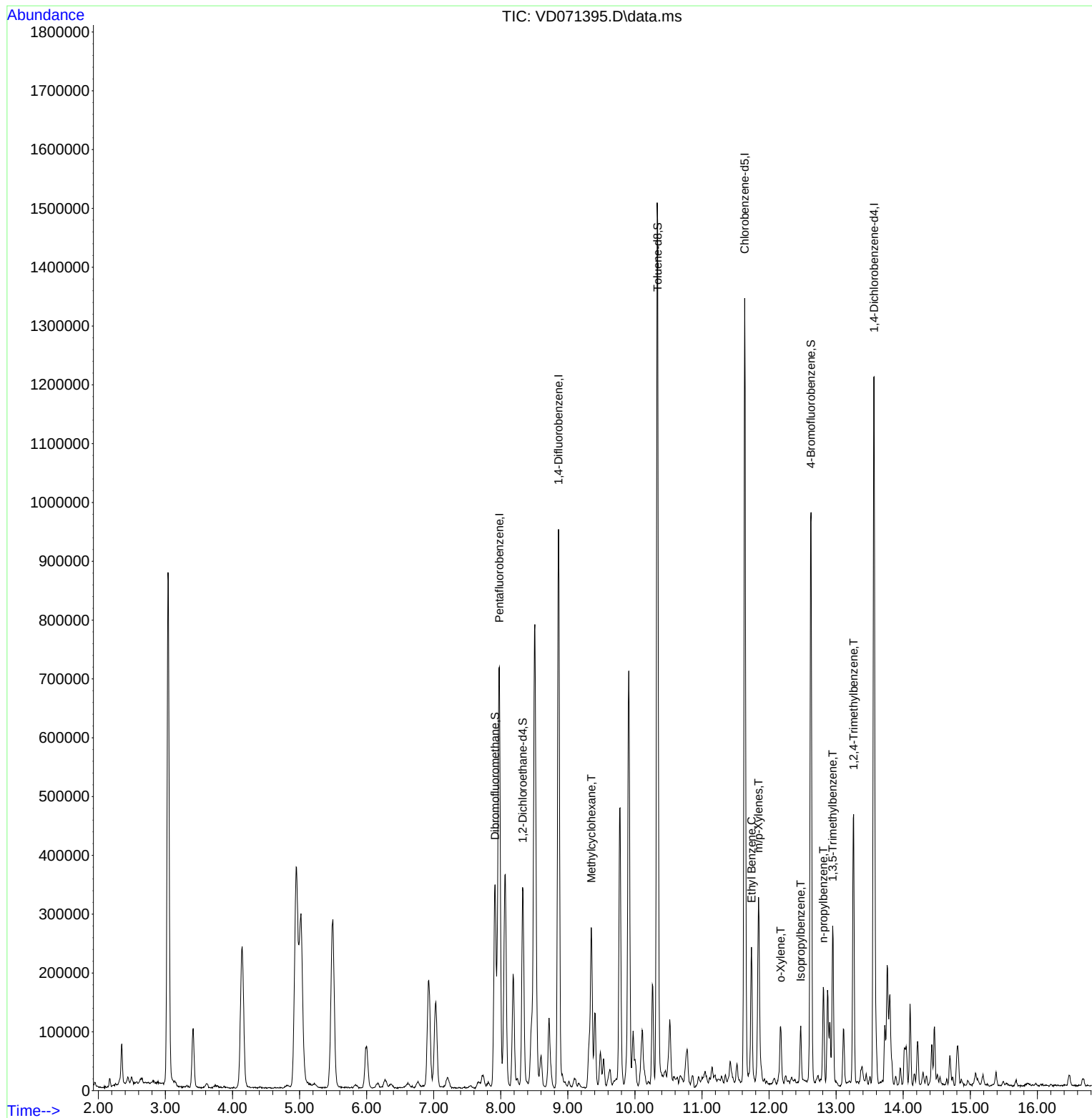
Internal Standards						
1) Pentafluorobenzene	7.979	168	437146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	750820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	675242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	301142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	267024	52.058	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.120%	
35) Dibromofluoromethane	7.914	113	239214	50.033	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.060%	
50) Toluene-d8	10.338	98	959131	52.715	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.420%	
62) 4-Bromofluorobenzene	12.626	95	303152	48.066	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.140%	
Target Compounds						Qvalue
39) Methylcyclohexane	9.349	83	50938	6.035	ug/l	# 70
67) Ethyl Benzene	11.738	91	148771	6.308	ug/l	99
68) m/p-Xylenes	11.843	106	87350	9.810	ug/l	94
69) o-Xylene	12.173	106	25127	3.002	ug/l	93
73) Isopropylbenzene	12.473	105	57952	2.658	ug/l	98
78) n-propylbenzene	12.808	91	124630	4.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	130178	7.240	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	250940	14.295	ug/l	99

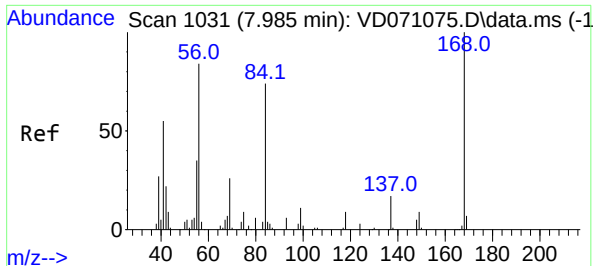
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 20:54:59 2021
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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD071395.D

Acq: 20 Dec 2021 18:19

Instrument :

MSVOA_D

ClientSampleId :

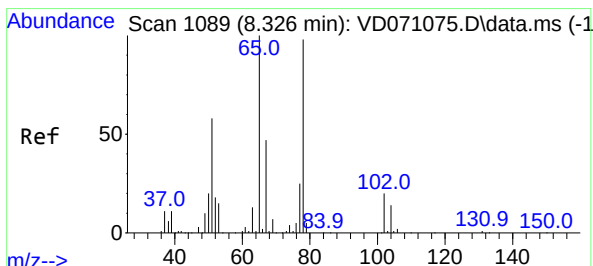
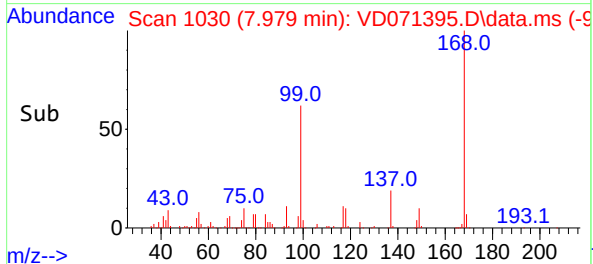
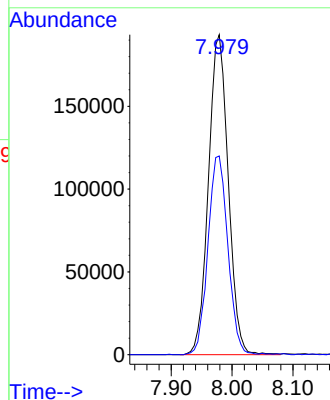
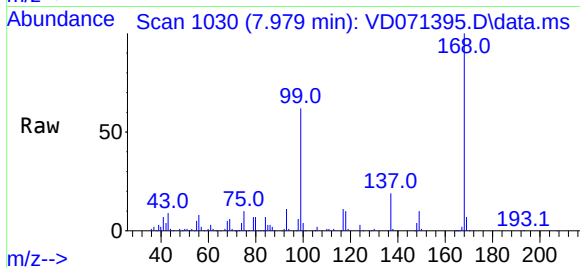
DA-12-4.5

Tgt Ion:168 Resp: 437146

Ion Ratio Lower Upper

168 100

99 62.1 46.6 69.8



1,2-Dichloroethane-d4

Concen: 52.058 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071395.D

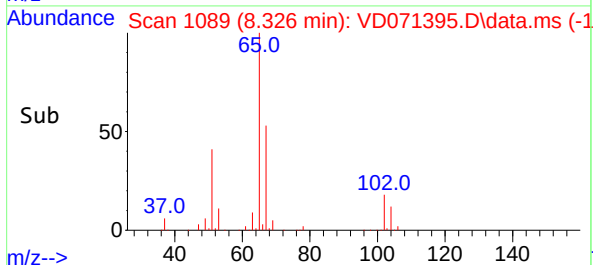
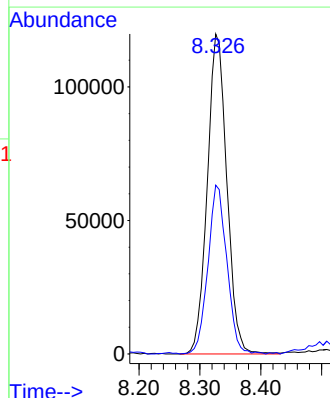
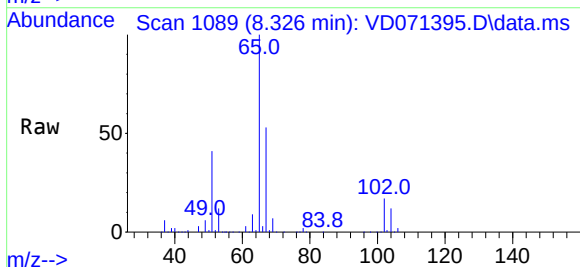
Acq: 20 Dec 2021 18:19

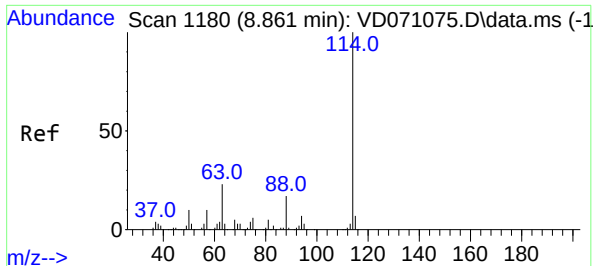
Tgt Ion: 65 Resp: 267024

Ion Ratio Lower Upper

65 100

67 51.2 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071395.D

Acq: 20 Dec 2021 18:19

Instrument :

MSVOA_D

ClientSampleId :

DA-12-4.5

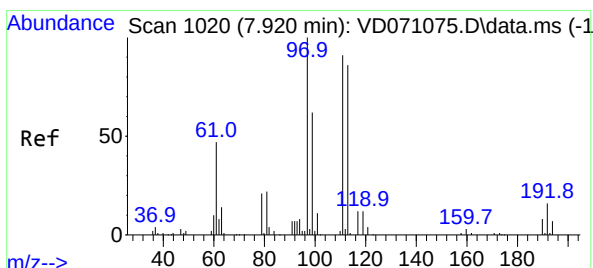
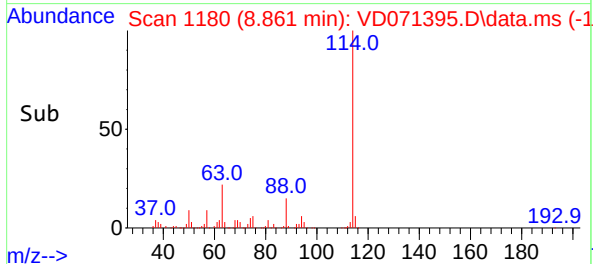
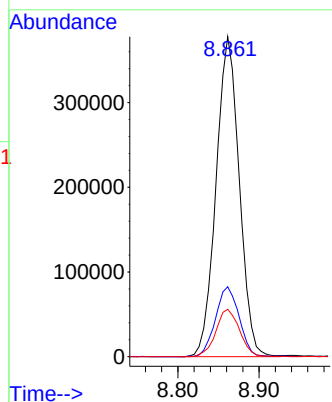
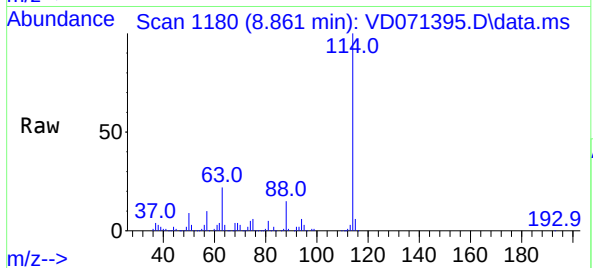
Tgt Ion:114 Resp: 750820

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 14.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.033 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071395.D

Acq: 20 Dec 2021 18:19

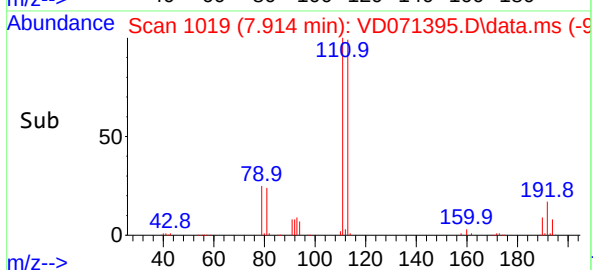
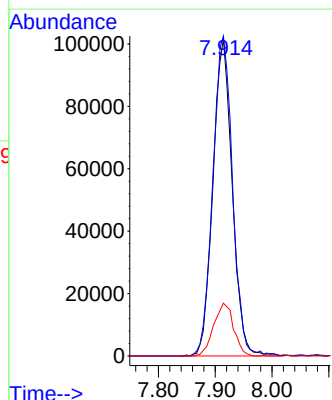
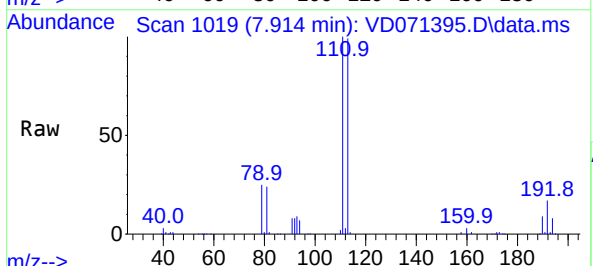
Tgt Ion:113 Resp: 239214

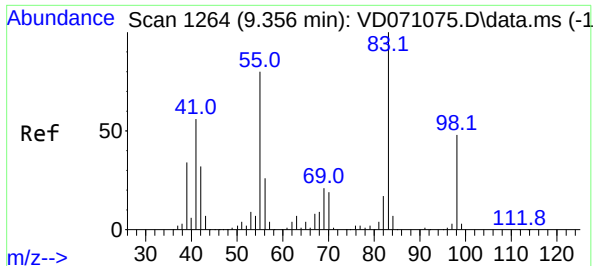
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 17.2 15.2 22.8

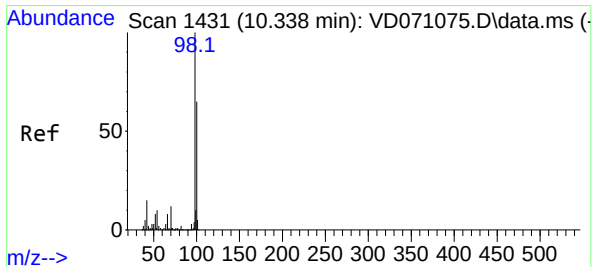
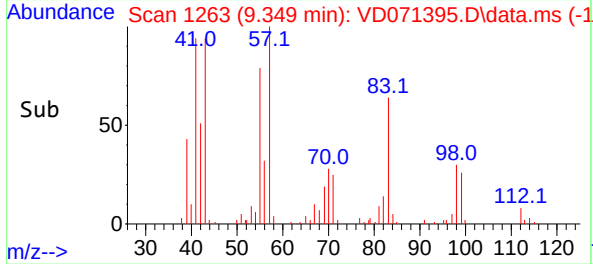
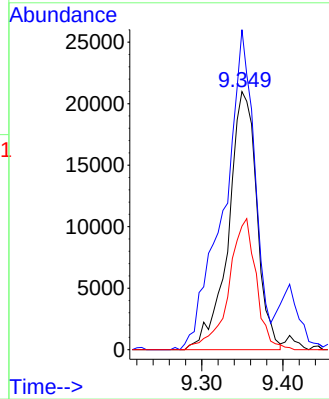
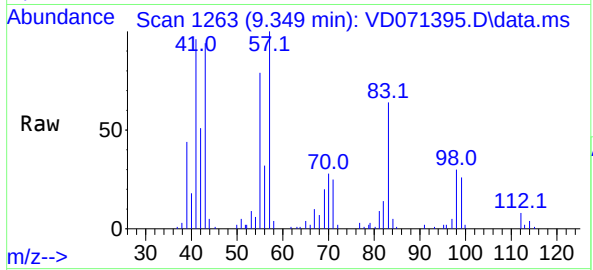




#39
Methylcyclohexane
Concen: 6.035 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.007 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

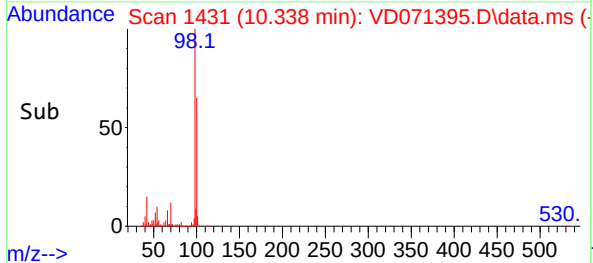
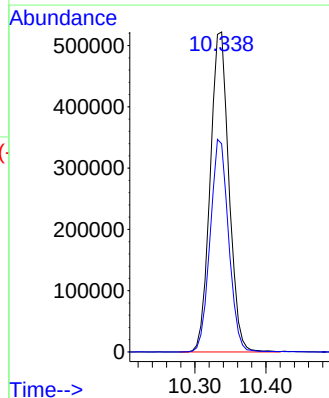
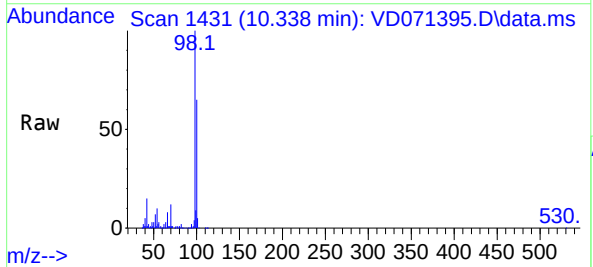
Instrument :
MSVOA_D
ClientSampleId :
DA-12-4.5

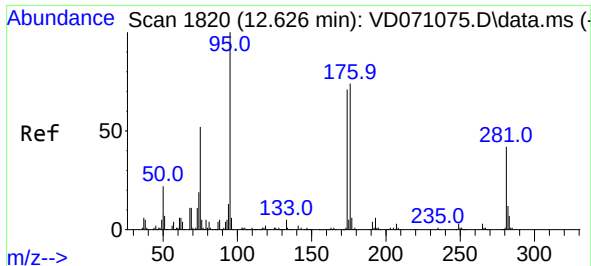
Tgt Ion: 83 Resp: 50938
Ion Ratio Lower Upper
83 100
55 124.0 65.8 98.8#
98 47.9 38.7 58.1



#50
Toluene-d8
Concen: 52.715 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

Tgt Ion: 98 Resp: 959131
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6

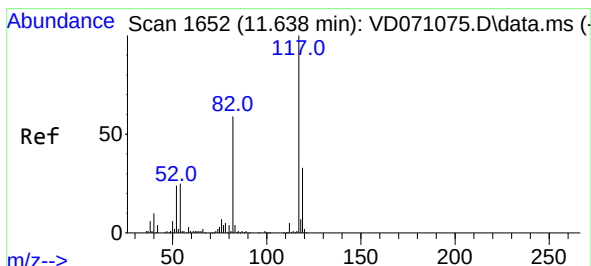
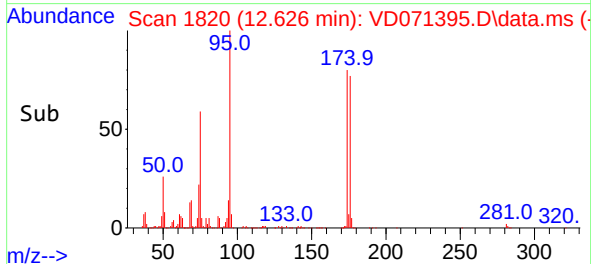
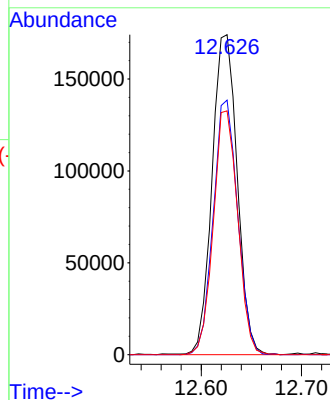
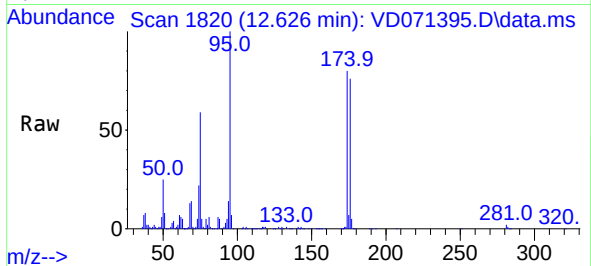




#62
4-Bromofluorobenzene
Concen: 48.066 ug/l
RT: 12.626 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

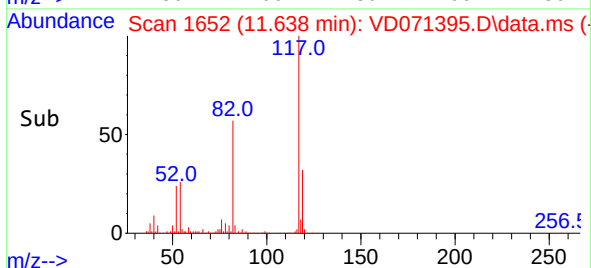
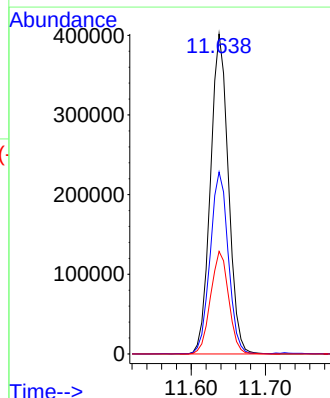
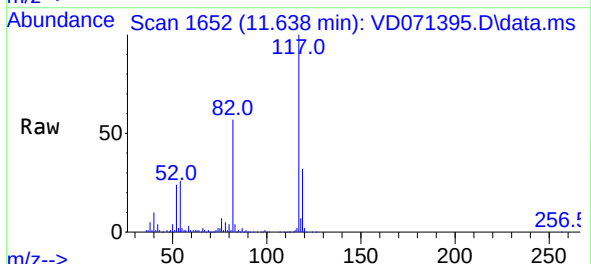
Instrument :
MSVOA_D
ClientSampleId :
DA-12-4.5

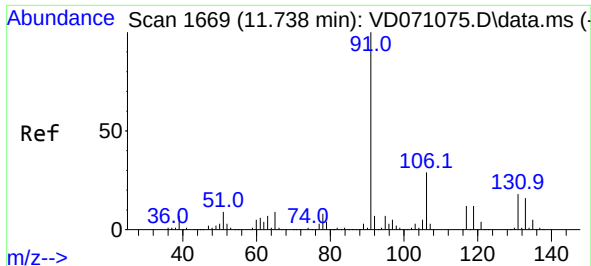
Tgt Ion: 95 Resp: 303152
Ion Ratio Lower Upper
95 100
174 77.5 0.0 159.4
176 74.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

Tgt Ion: 117 Resp: 675242
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 32.1 26.2 39.4

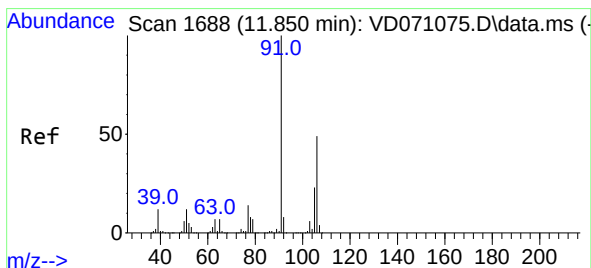
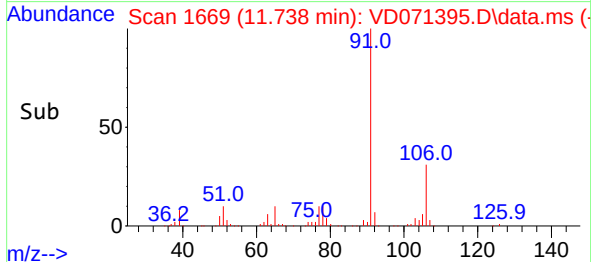
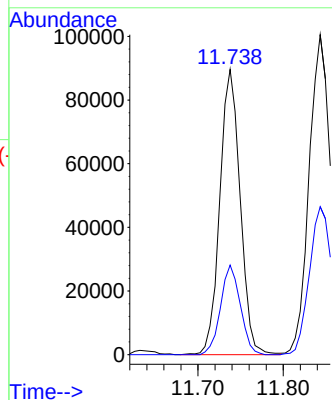
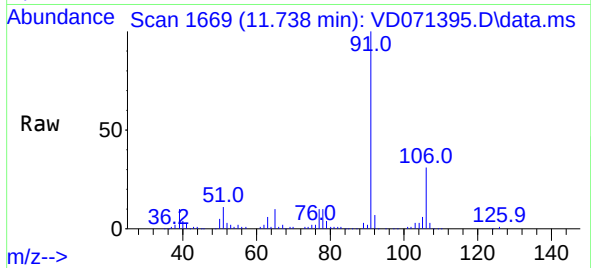




#67
Ethyl Benzene
Concen: 6.308 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

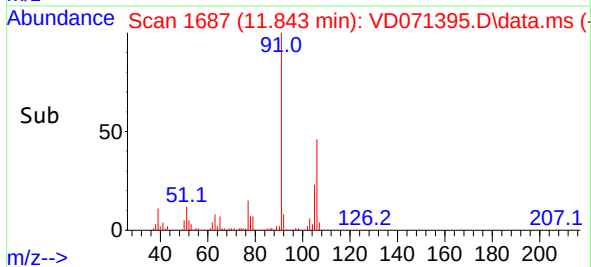
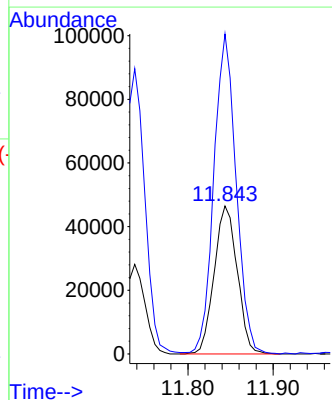
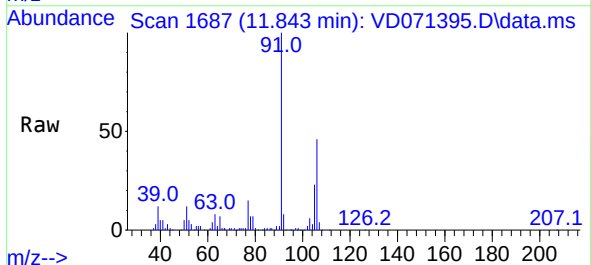
Instrument :
MSVOA_D
ClientSampleId :
DA-12-4.5

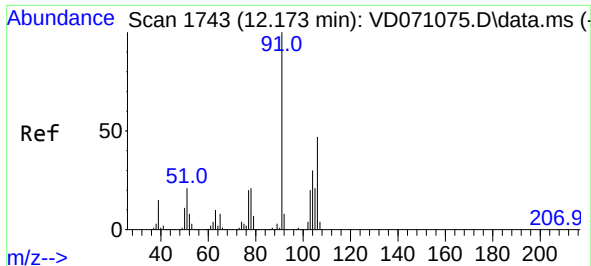
Tgt Ion: 91 Resp: 148771
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#68
m/p-Xylenes
Concen: 9.810 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.007 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

Tgt Ion: 106 Resp: 87350
Ion Ratio Lower Upper
106 100
91 209.1 160.1 240.1

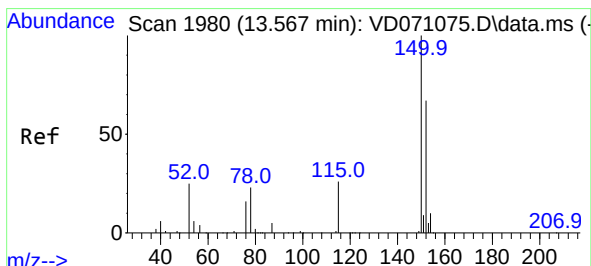
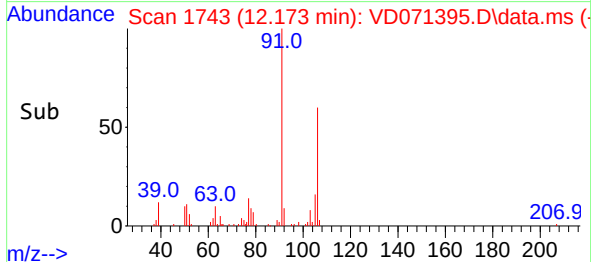
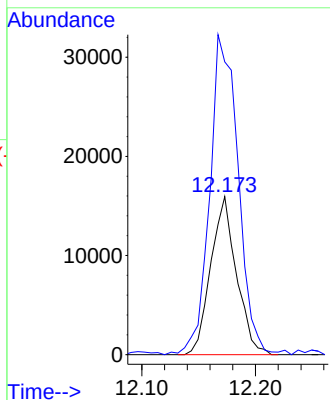
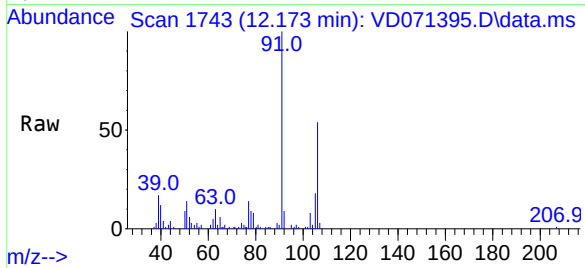




#69
o-Xylene
Concen: 3.002 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

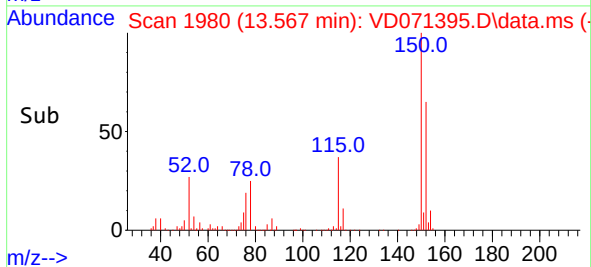
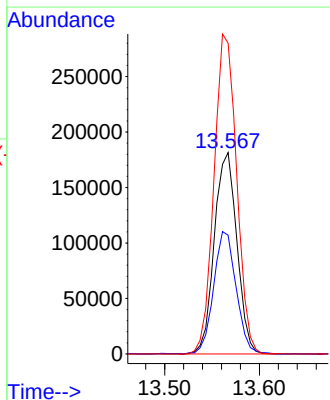
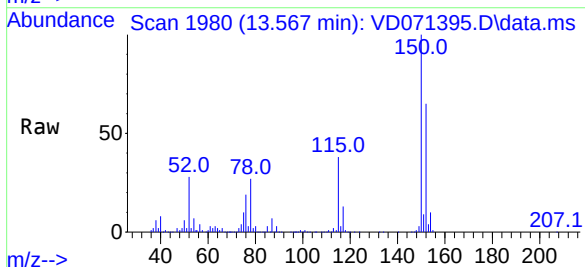
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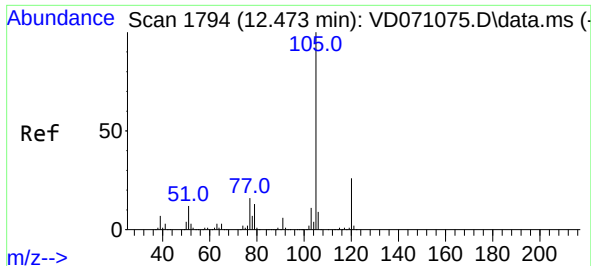
Tgt Ion:106 Resp: 25127
Ion Ratio Lower Upper
106 100
91 223.0 106.3 319.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

Tgt Ion:152 Resp: 301142
Ion Ratio Lower Upper
152 100
115 60.7 29.8 89.3
150 159.0 0.0 349.2

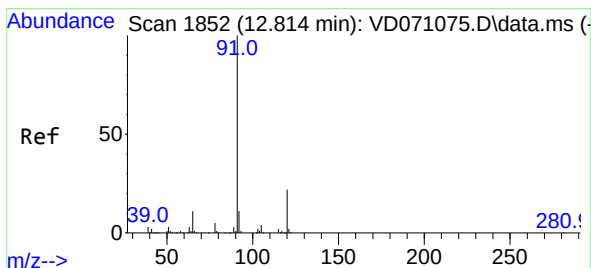
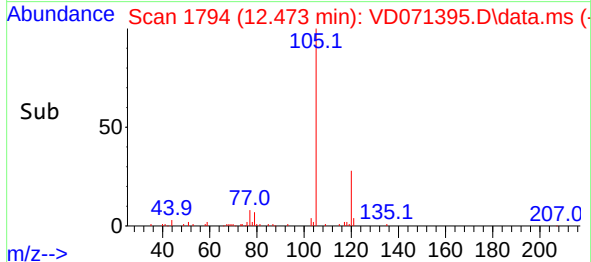
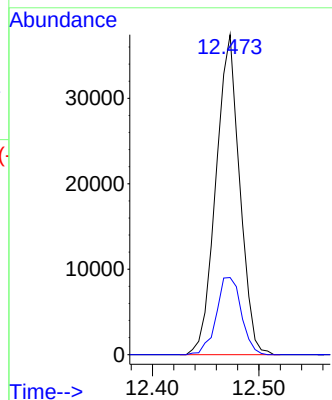
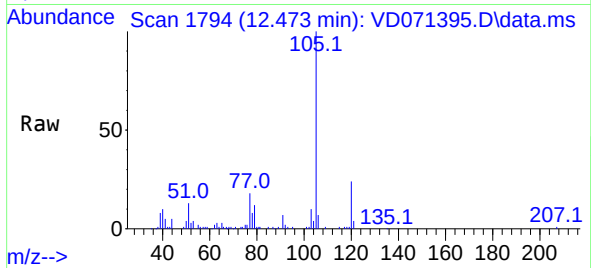




#73
Isopropylbenzene
Concen: 2.658 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

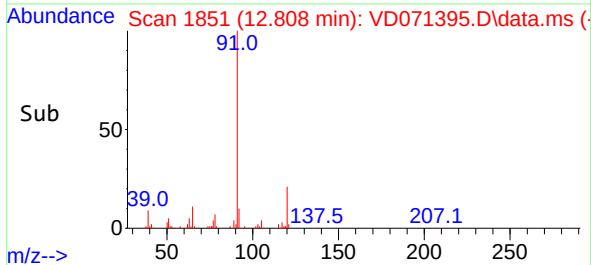
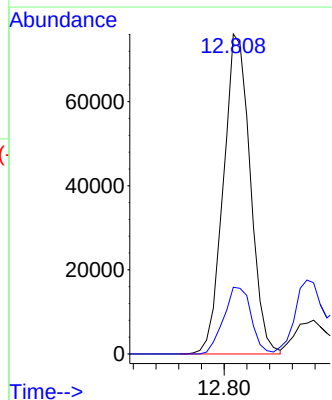
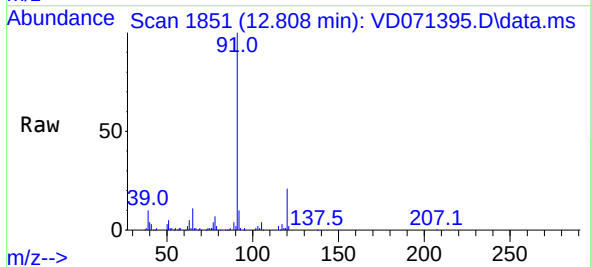
Instrument :
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DA-12-4.5

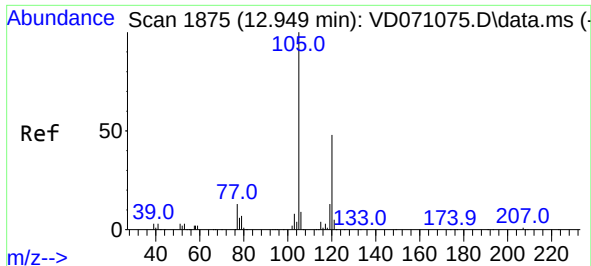
Tgt Ion:105 Resp: 57952
Ion Ratio Lower Upper
105 100
120 25.4 13.2 39.5



#78
n-propylbenzene
Concen: 4.590 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

Tgt Ion: 91 Resp: 124630
Ion Ratio Lower Upper
91 100
120 21.4 10.9 32.9

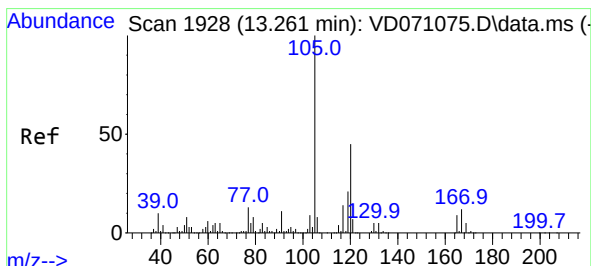
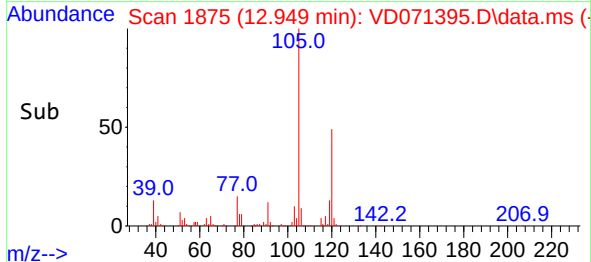
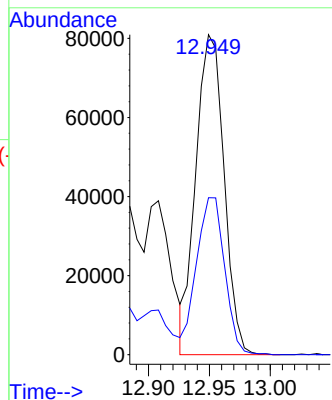
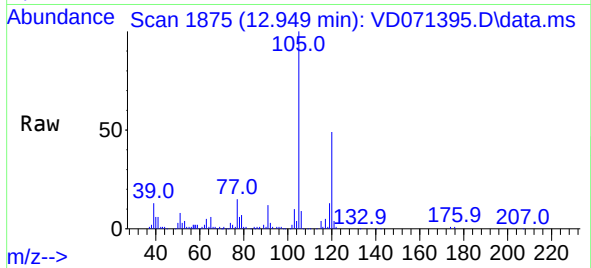




#80
1,3,5-Trimethylbenzene
Concen: 7.240 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

Instrument :
MSVOA_D
ClientSampleId :
DA-12-4.5

Tgt Ion:105 Resp: 130178
Ion Ratio Lower Upper
105 100
120 49.1 24.6 73.8



#84
1,2,4-Trimethylbenzene
Concen: 14.295 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD071395.D
Acq: 20 Dec 2021 18:19

Tgt Ion:105 Resp: 250940
Ion Ratio Lower Upper
105 100
120 45.2 22.9 68.7

