

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071396.D
 Acq On : 20 Dec 2021 18:47
 Operator : VA/SY
 Sample : M5044-18
 Misc : 6.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DA-18-5.5

Quant Time: Dec 20 20:55:25 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)

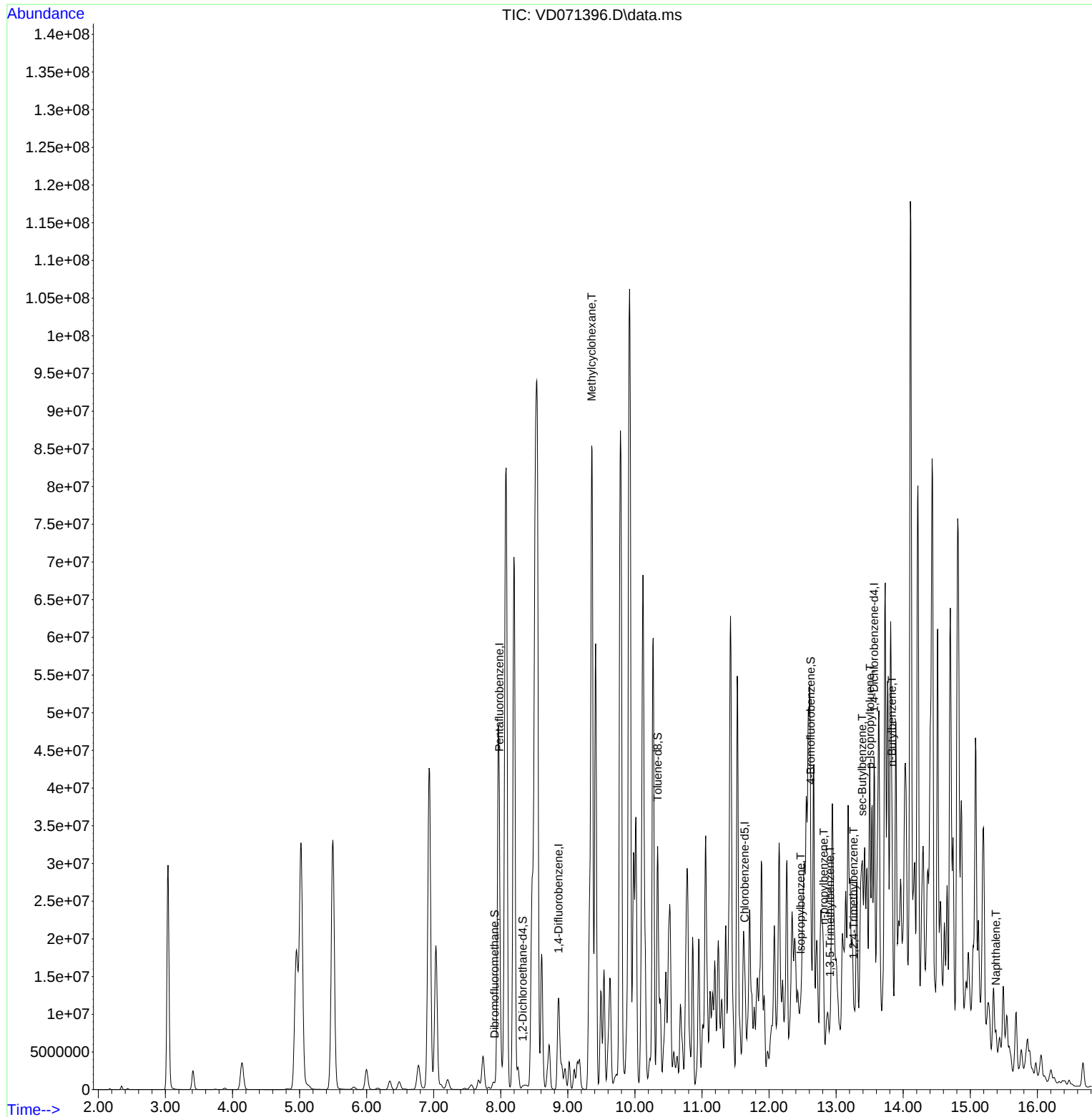
Internal Standards						
1) Pentafluorobenzene	7.979	168	579648	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	1093551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1043170	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	568870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	329862	48.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.000%
35) Dibromofluoromethane	7.908	113	275896	39.620	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.240%
50) Toluene-d8	10.338	98	2571776	97.048	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	194.100%#
62) 4-Bromofluorobenzene	12.620	95	970956m	105.700	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	211.400%#
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.355	83	17544739	1427.192	ug/l	# 80
73) Isopropylbenzene	12.473	105	2151632	52.236	ug/l	99
78) n-propylbenzene	12.814	91	2805282	54.688	ug/l	99
80) 1,3,5-Trimethylbenzene	12.908	105	1322607	38.938	ug/l	71
84) 1,2,4-Trimethylbenzene	13.261	105	522153	15.746	ug/l	98
85) sec-Butylbenzene	13.390	105	8876695	199.235	ug/l	# 52
86) p-Isopropyltoluene	13.508	119	2315726	63.548	ug/l	94
89) n-Butylbenzene	13.832	91	13311744	374.213	ug/l	# 74
95) Naphthalene	15.384	128	1823339	109.787	ug/l	# 94

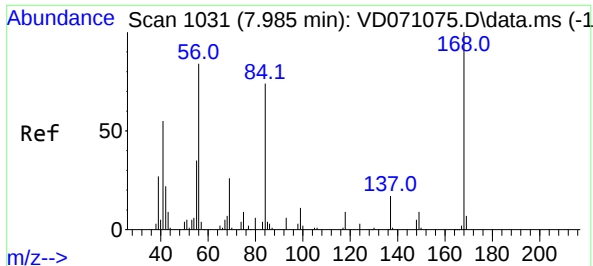
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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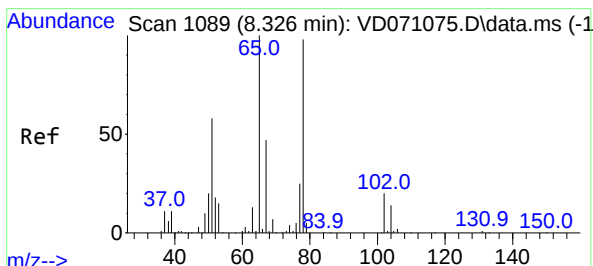
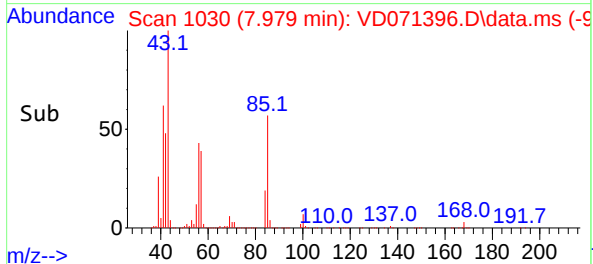
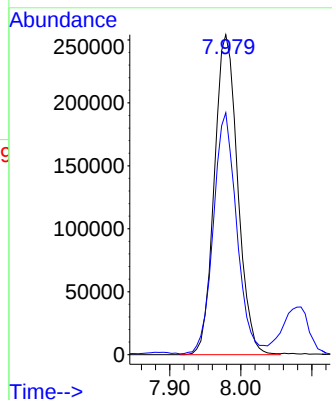
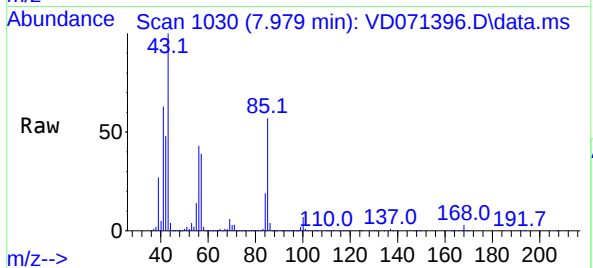




Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

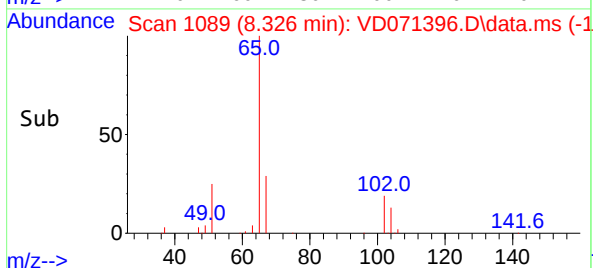
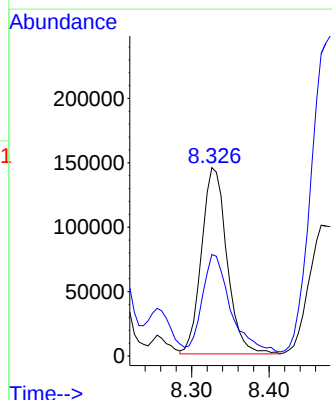
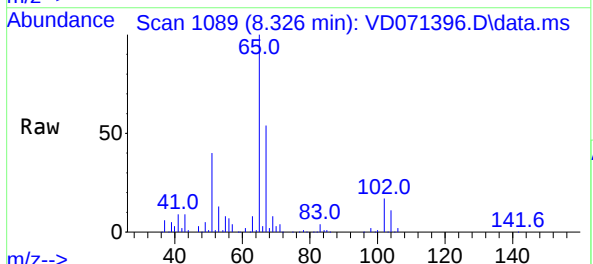
Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

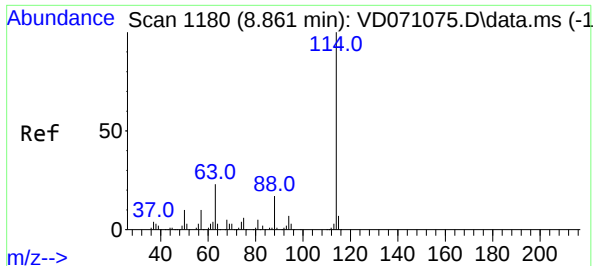
Tgt Ion:168 Resp: 579648
Ion Ratio Lower Upper
168 100
99 75.4 46.6 69.8#



1,2-Dichloroethane-d4
Concen: 48.498 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

Tgt Ion: 65 Resp: 329862
Ion Ratio Lower Upper
65 100
67 57.4 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: VD071396.D

Acq: 20 Dec 2021 18:47

Instrument :

MSVOA_D

ClientSampleId :

DA-18-5.5

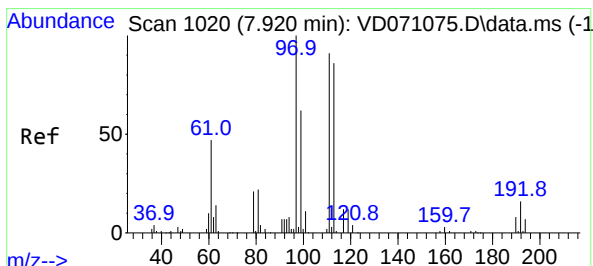
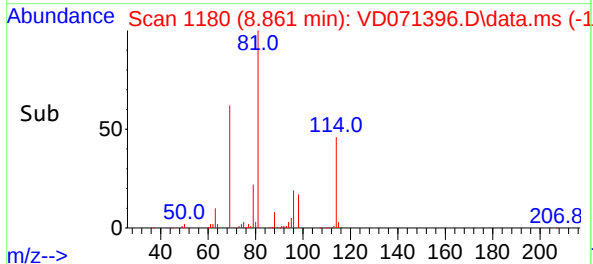
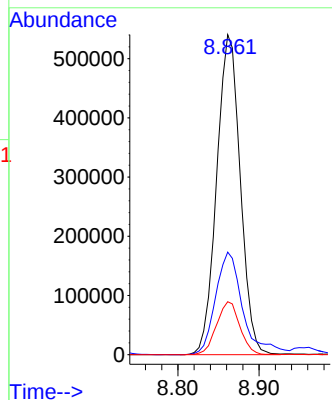
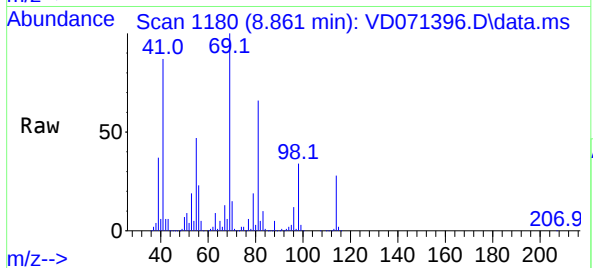
Tgt Ion:114 Resp: 1093551

Ion Ratio Lower Upper

114 100

63 32.0 0.0 41.8

88 16.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 39.620 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071396.D

Acq: 20 Dec 2021 18:47

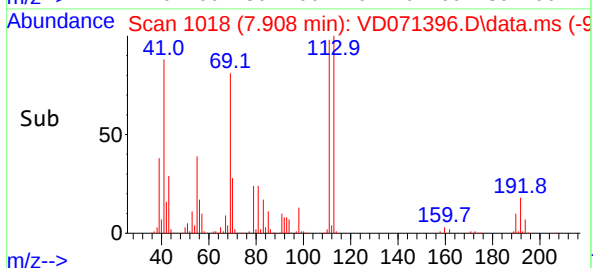
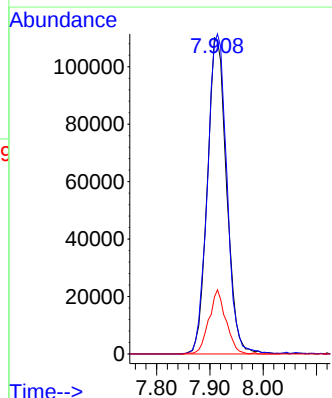
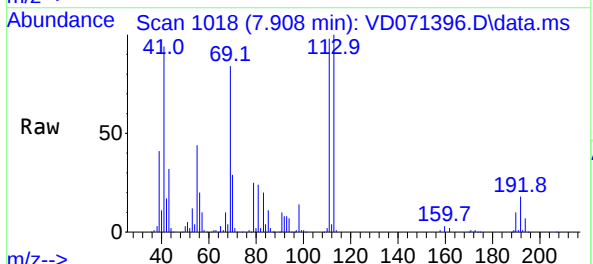
Tgt Ion:113 Resp: 275896

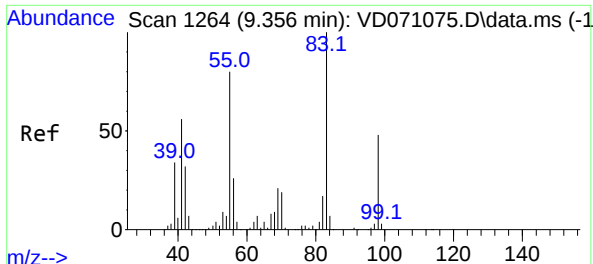
Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 18.0 15.2 22.8

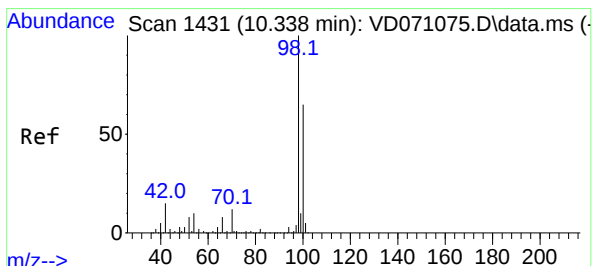
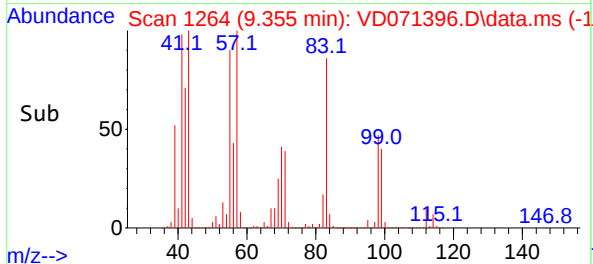
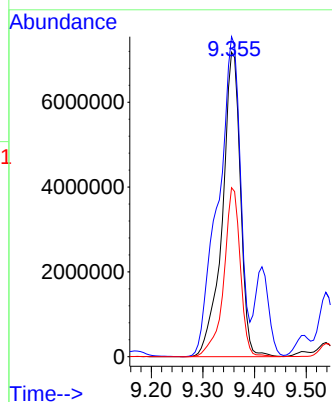
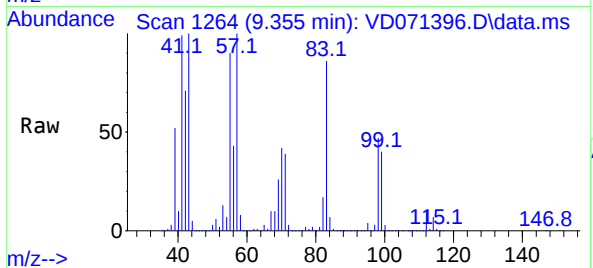




#39
Methylcyclohexane
Concen: 1427.192 ug/l
RT: 9.355 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

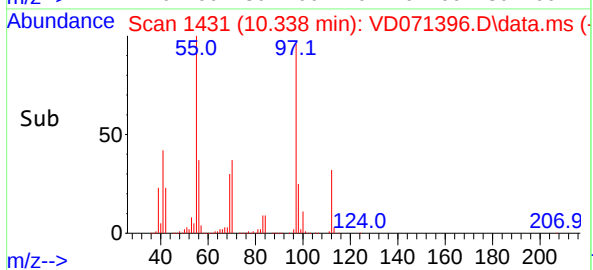
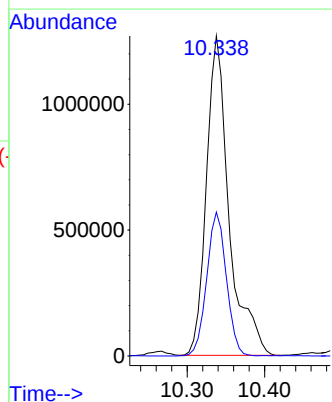
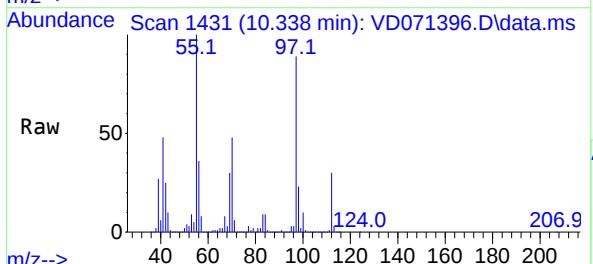
Instrument :
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ClientSampleId :
DA-18-5.5

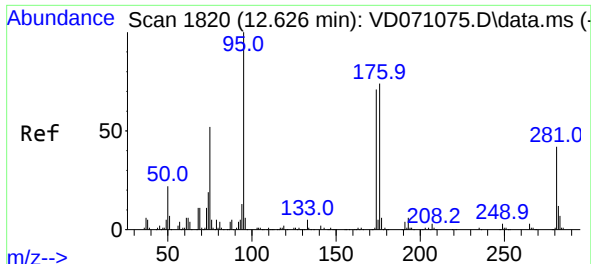
Tgt Ion: 83 Resp:17544739
Ion Ratio Lower Upper
83 100
55 105.0 65.8 98.8#
98 55.5 38.7 58.1



#50
Toluene-d8
Concen: 97.048 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

Tgt Ion: 98 Resp: 2571776
Ion Ratio Lower Upper
98 100
100 39.0 51.8 77.6#

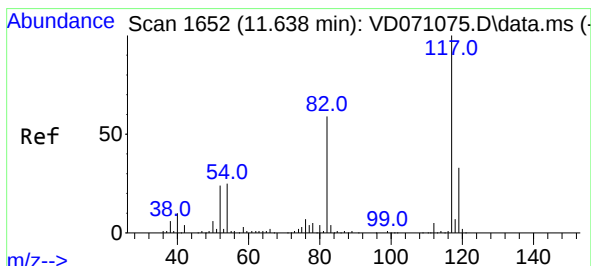
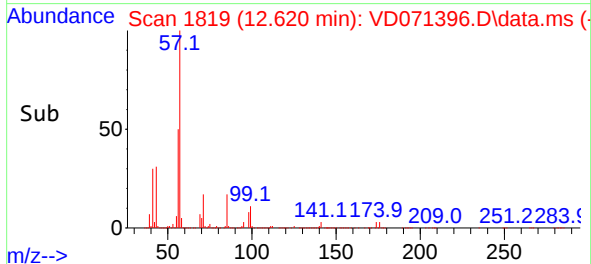
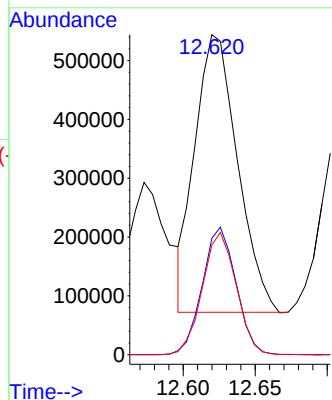
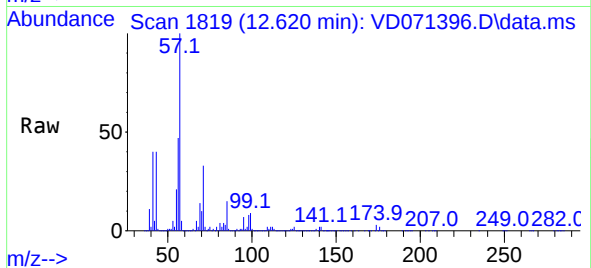




#62
4-Bromofluorobenzene
Concen: 105.700 ug/l m
RT: 12.620 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

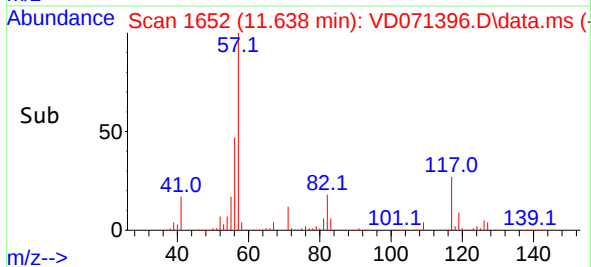
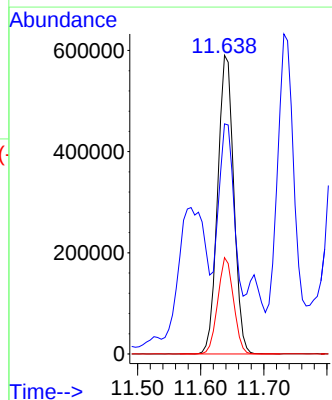
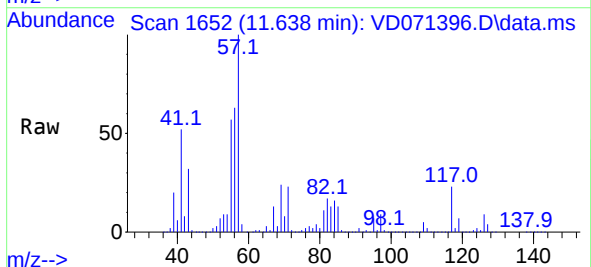
Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

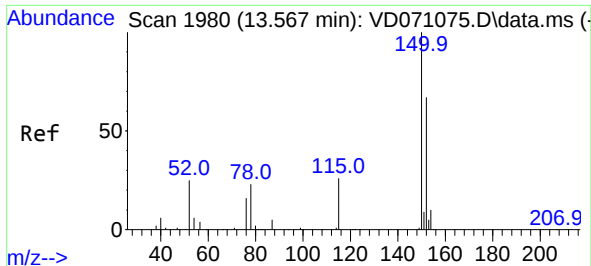
Tgt Ion: 95 Resp: 970956
Ion Ratio Lower Upper
95 100
174 0.0 0.0 159.4
176 0.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

Tgt Ion: 117 Resp: 1043170
Ion Ratio Lower Upper
117 100
82 44.4 44.7 67.1#
119 32.2 26.2 39.4

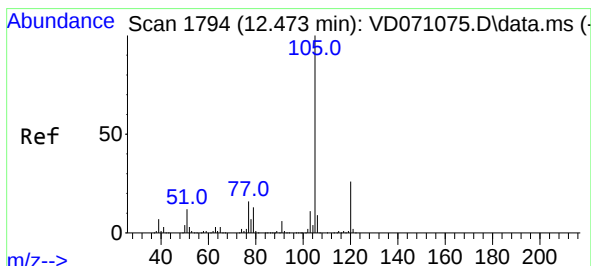
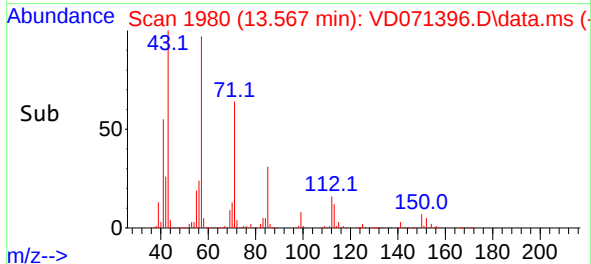
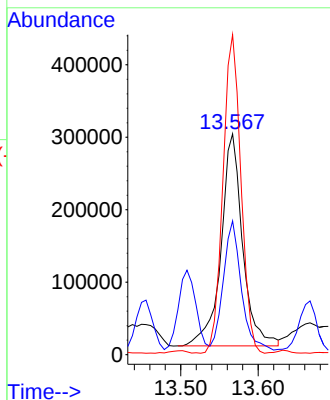
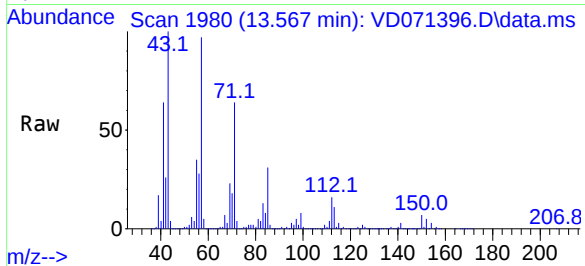




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

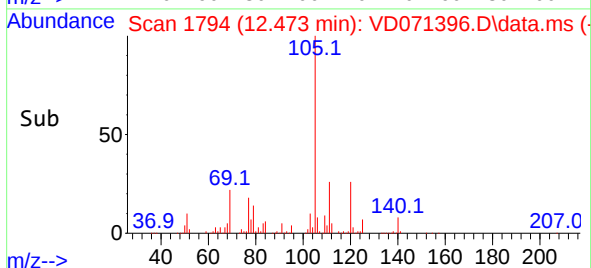
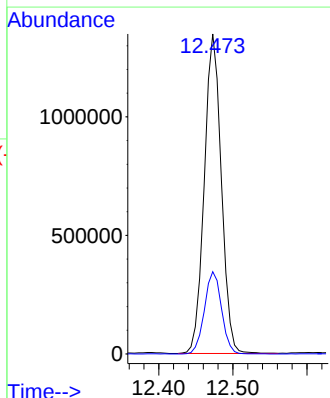
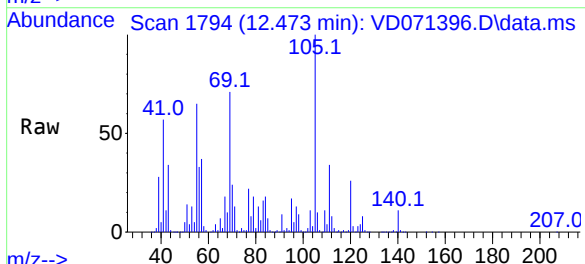
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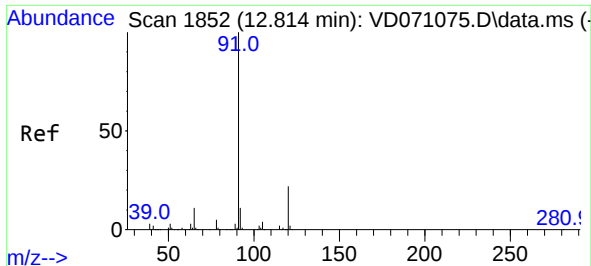
Tgt Ion:152 Resp: 568870
Ion Ratio Lower Upper
152 100
115 50.3 29.8 89.3
150 124.9 0.0 349.2



#73
Isopropylbenzene
Concen: 52.236 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

Tgt Ion:105 Resp: 2151632
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

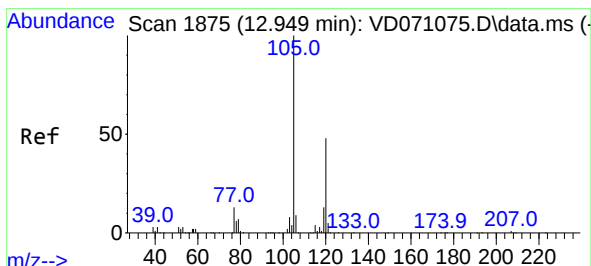
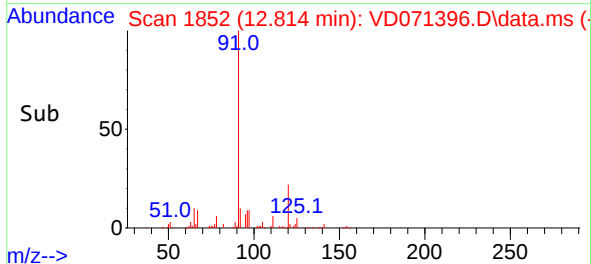
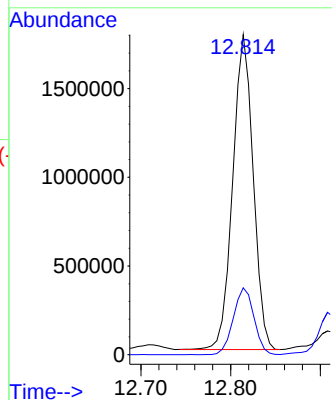
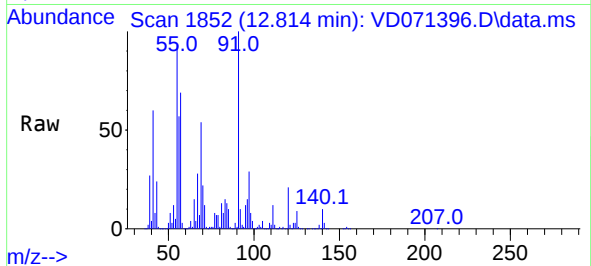




#78
n-propylbenzene
Concen: 54.688 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

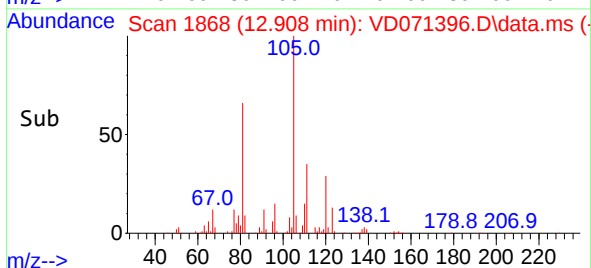
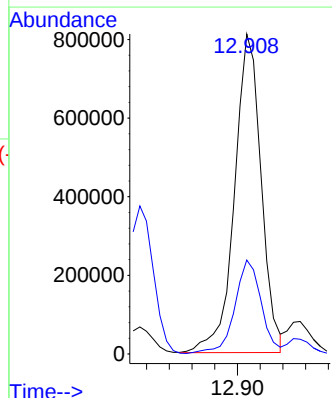
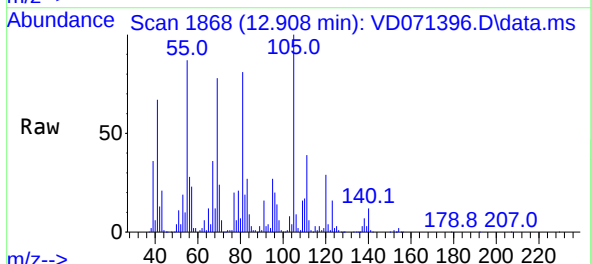
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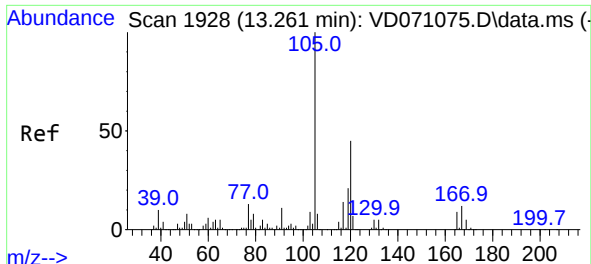
Tgt Ion: 91 Resp: 2805282
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 38.938 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. -0.041 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

Tgt Ion:105 Resp: 1322607
Ion Ratio Lower Upper
105 100
120 29.1 24.6 73.8

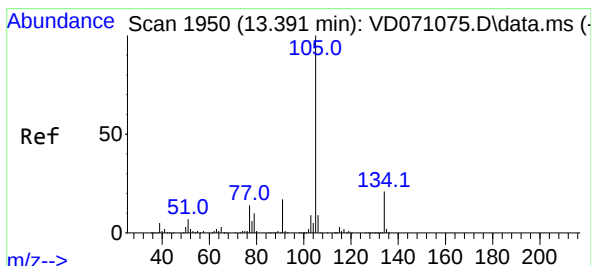
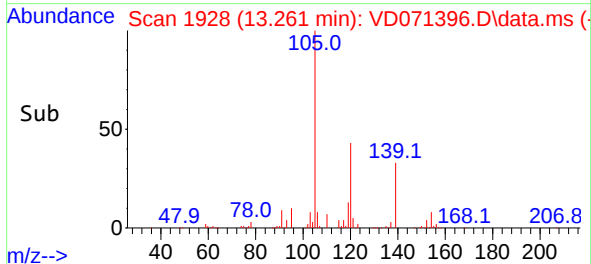
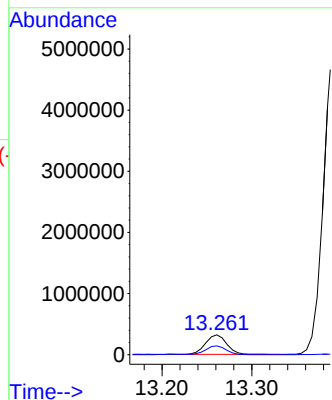
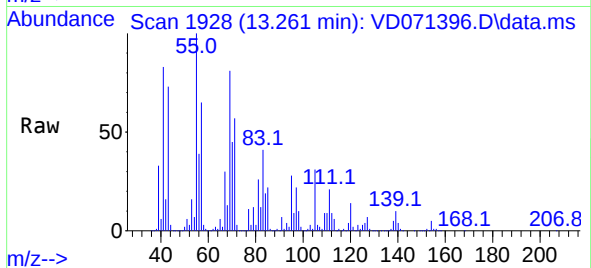




#84
1,2,4-Trimethylbenzene
Concen: 15.746 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

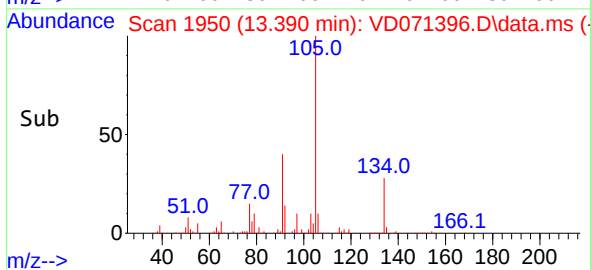
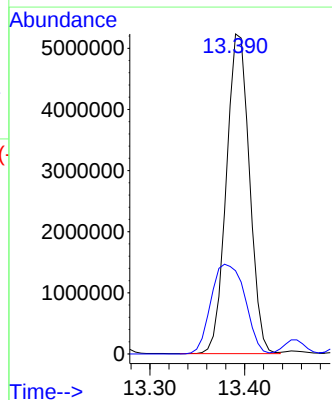
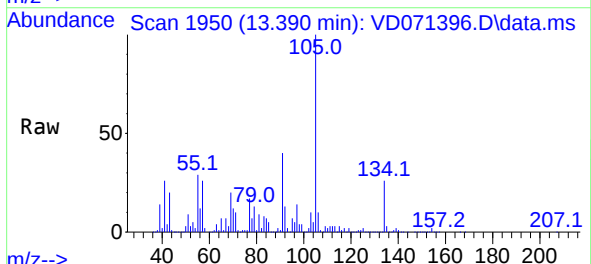
Instrument :
MSVOA_D
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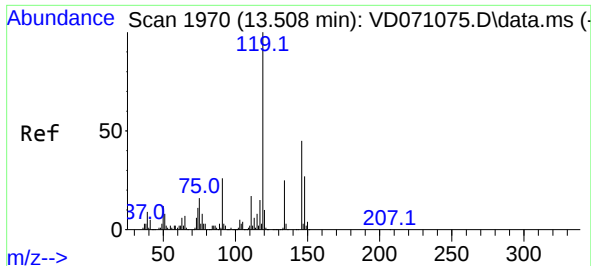
Tgt Ion:105 Resp: 522153
Ion Ratio Lower Upper
105 100
120 44.3 22.9 68.7



#85
sec-Butylbenzene
Concen: 199.235 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.001 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

Tgt Ion:105 Resp: 8876695
Ion Ratio Lower Upper
105 100
134 41.2 9.7 28.9#

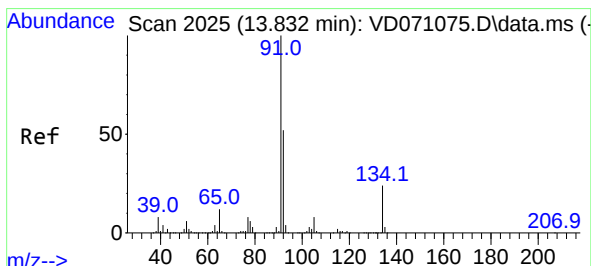
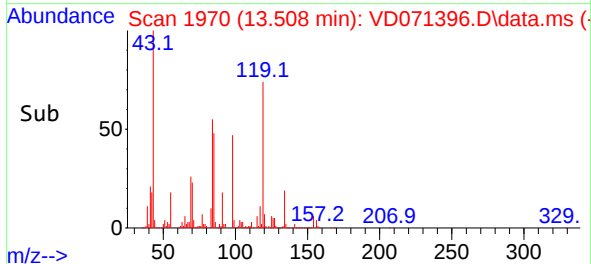
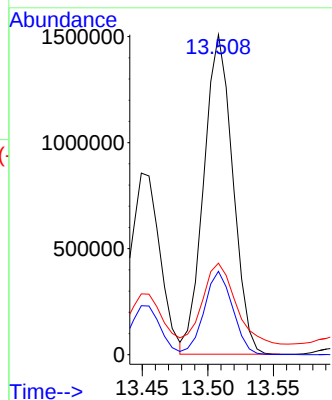
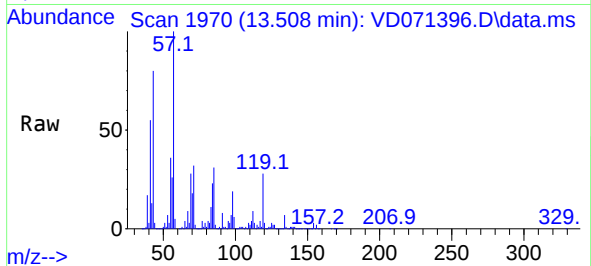




#86
p-Isopropyltoluene
Concen: 63.548 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

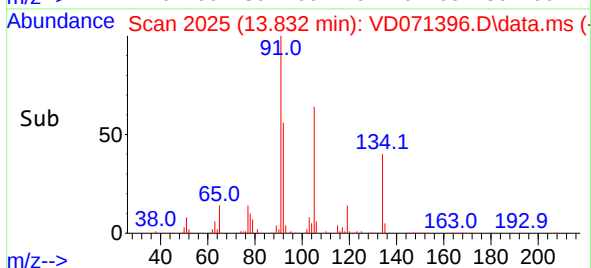
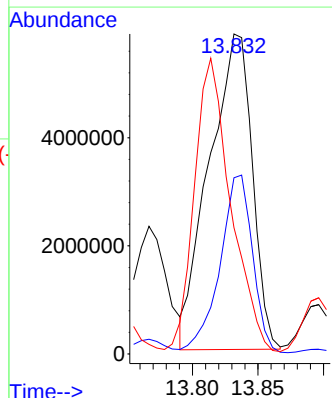
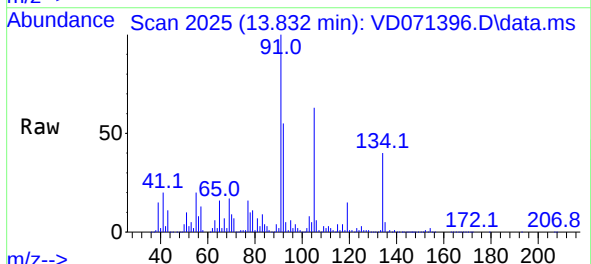
Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

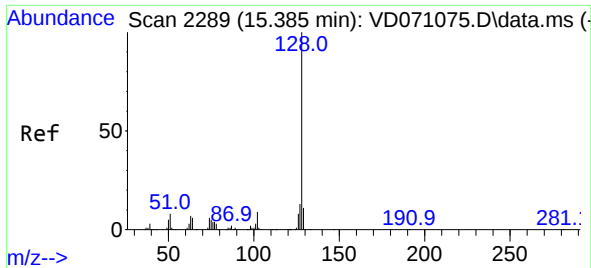
Tgt Ion:119 Resp: 2315726
Ion Ratio Lower Upper
119 100
134 25.5 13.0 38.9
91 28.6 11.4 34.2



#89
n-Butylbenzene
Concen: 374.213 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

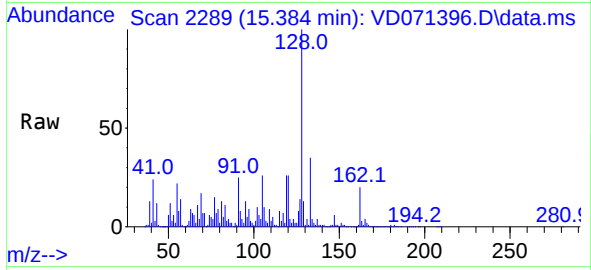
Tgt Ion: 91 Resp:13311744
Ion Ratio Lower Upper
91 100
92 43.1 27.3 81.9
134 0.0 12.3 36.9#





#95
Naphthalene
Concen: 109.787 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD071396.D
Acq: 20 Dec 2021 18:47

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5



Tgt Ion:128 Resp: 1823339
Ion Ratio Lower Upper
128 100
127 11.6 10.7 16.1
129 8.0 8.7 13.1#

