

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068169.D
 Acq On : 25 Jan 2021 15:02
 Operator : VA/SY
 Sample : M1216-03
 Misc : 1.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-102

Quant Time: Jan 26 00:08:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	509428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	852739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	663397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	258869	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	229958	47.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.38%			
35) Dibromofluoromethane	7.920	113	237511	50.38	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.76%			
50) Toluene-d8	10.344	98	1007038	53.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.80%			
62) 4-Bromofluorobenzene	12.632	95	282573	41.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.22%			
Target Compounds					Qvalue	
20) Methylene Chloride	4.973	84	79416	9.86	ug/l #	89
31) Cyclohexane	7.985	56	62120	5.89	ug/l #	86
39) Methylcyclohexane	9.355	83	66688	5.93	ug/l	93
40) Benzene	8.355	78	55610	2.31	ug/l	92
52) Toluene	10.408	92	311984	19.91	ug/l	95
67) Ethyl Benzene	11.743	91	146275	5.60	ug/l	95
68) m/p-Xylenes	11.849	106	211965	21.51	ug/l	100
69) o-Xylene	12.179	106	65268	7.13	ug/l	96
78) n-propylbenzene	12.820	91	48408	1.90	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	54103	3.02	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	173460	9.74	ug/l	96
95) Naphthalene	15.402	128	13348	1.37	ug/l #	91

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

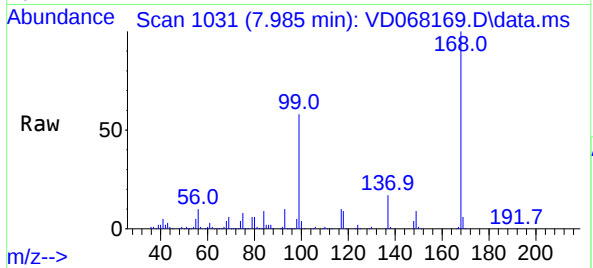
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration



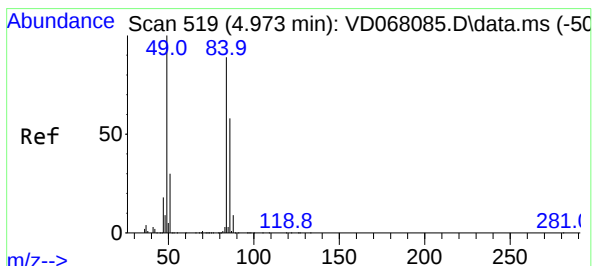
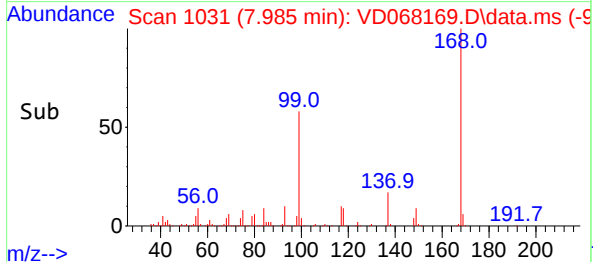
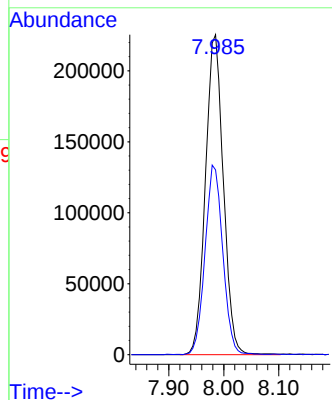


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :
PS-102

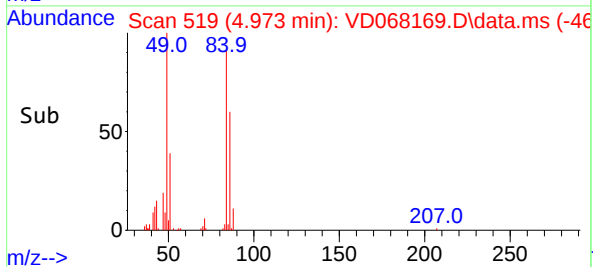
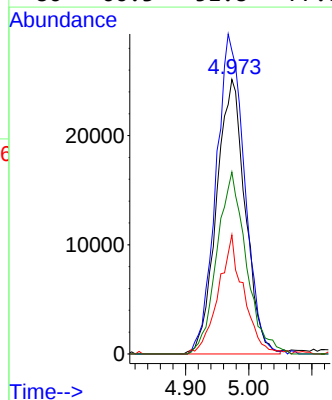
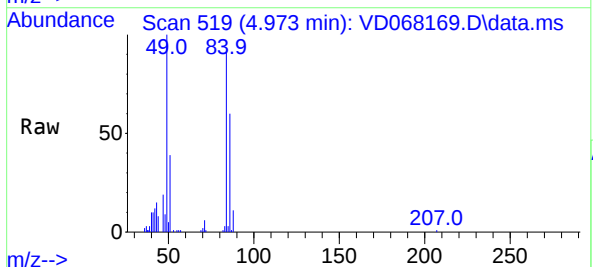


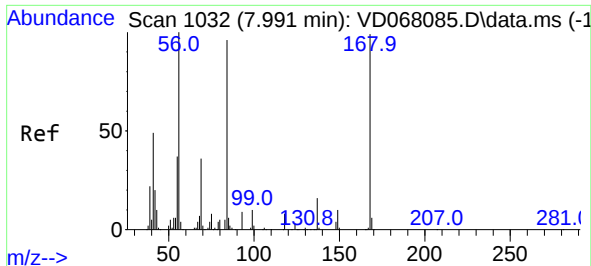
Tgt Ion:168 Resp: 509428
Ion Ratio Lower Upper
168 100
99 57.7 43.5 65.3



#20
Methylene Chloride
Concen: 9.86 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion: 84 Resp: 79416
Ion Ratio Lower Upper
84 100
49 110.5 77.4 116.2
51 43.4 26.1 39.1#
86 66.3 51.8 77.8

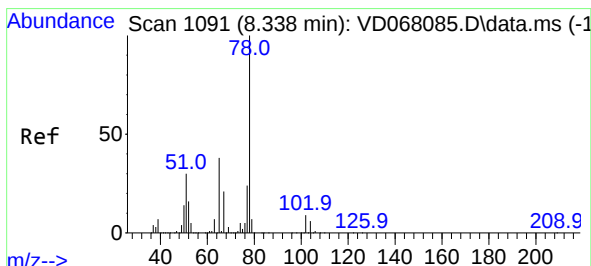
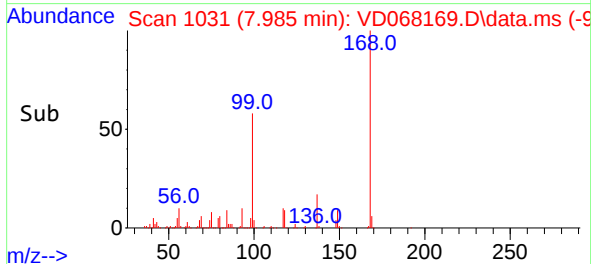
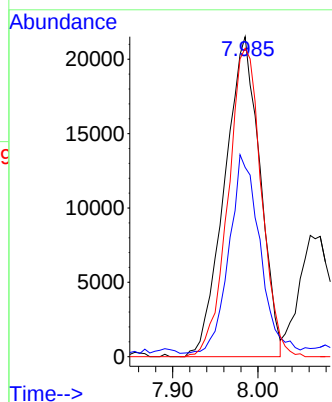
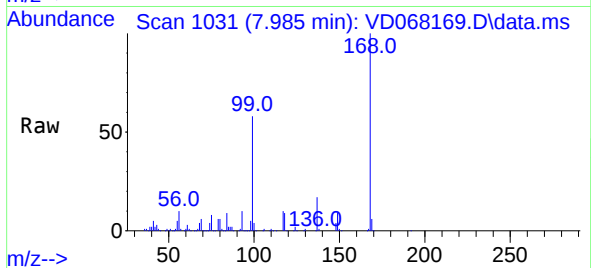




#31
Cyclohexane
Concen: 5.89 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

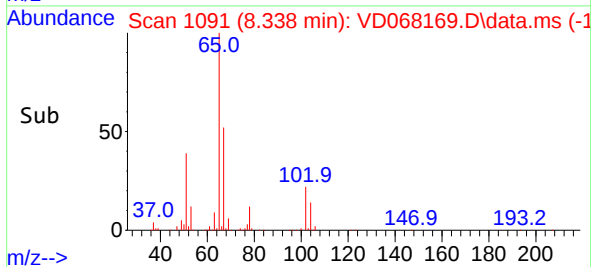
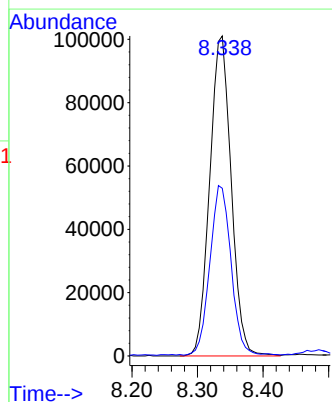
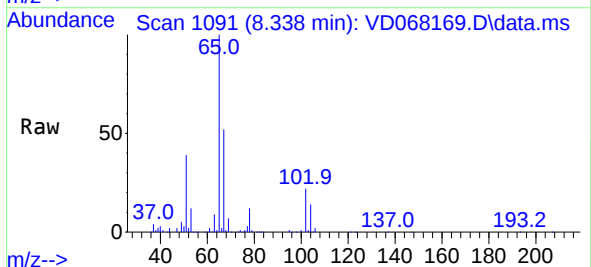
Instrument :
MSVOA_D
ClientSampleId :
PS-102

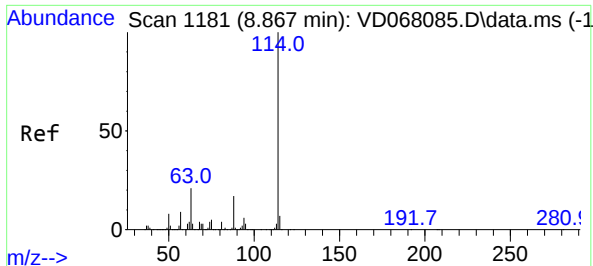
Tgt Ion: 56 Resp: 62120
Ion Ratio Lower Upper
56 100
69 58.1 30.1 45.1#
84 96.4 82.1 123.1



#33
1,2-Dichloroethane-d4
Concen: 47.19 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion: 65 Resp: 229958
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0



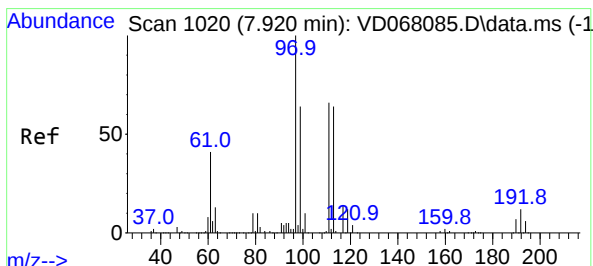
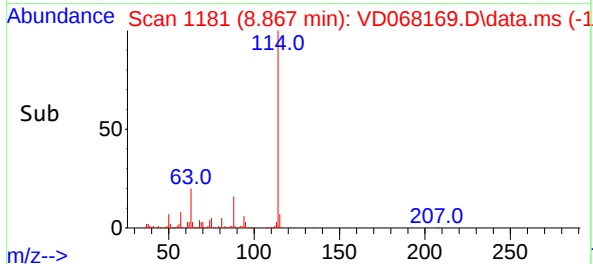
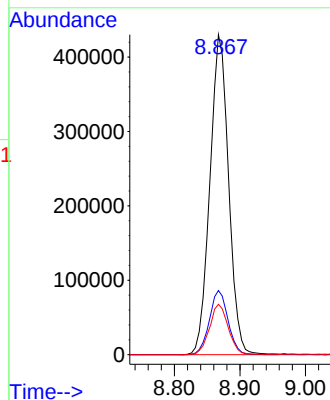
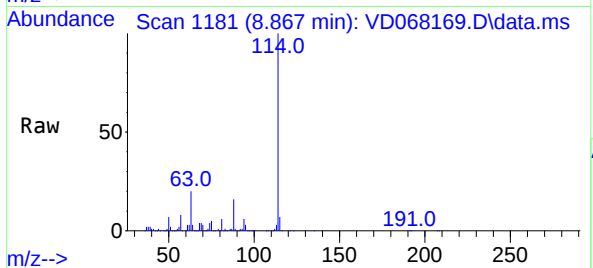


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :
PS-102

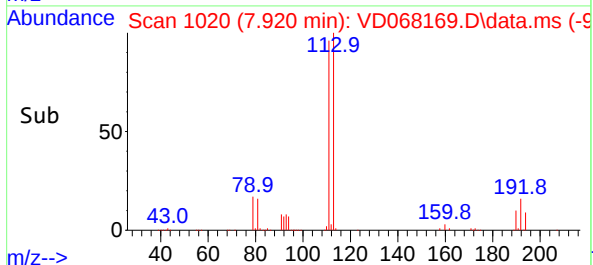
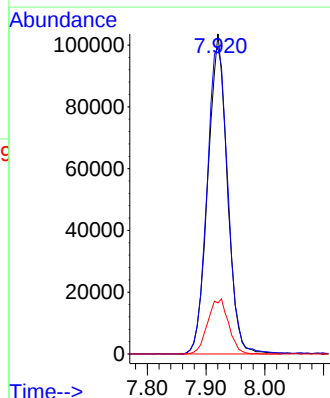
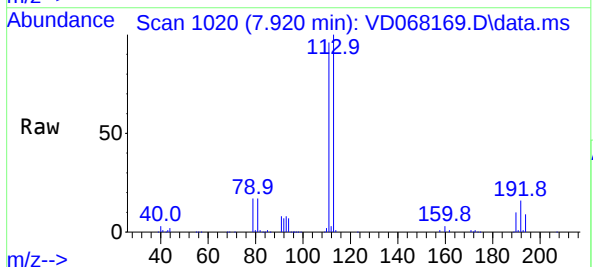
Tgt Ion:114 Resp: 852739
Ion Ratio Lower Upper
114 100
63 20.1 0.0 34.8
88 15.7 0.0 31.6

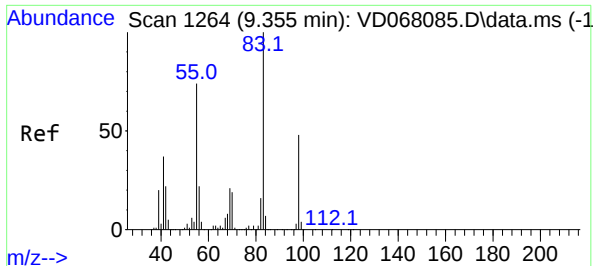


#35

Dibromofluoromethane
Concen: 50.38 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion:113 Resp: 237511
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 18.4 16.1 24.1





#39

Methylcyclohexane

Concen: 5.93 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068169.D

Acq: 25 Jan 2021 15:02

Tgt Ion: 83 Resp: 66688

Ion Ratio Lower Upper

83 100

55 76.4 55.2 82.8

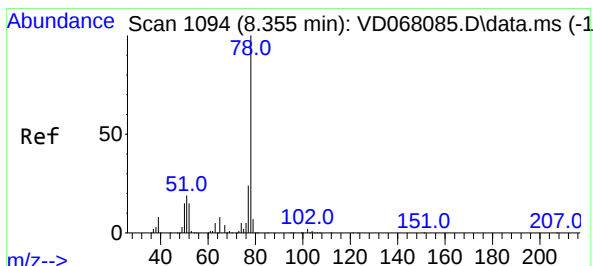
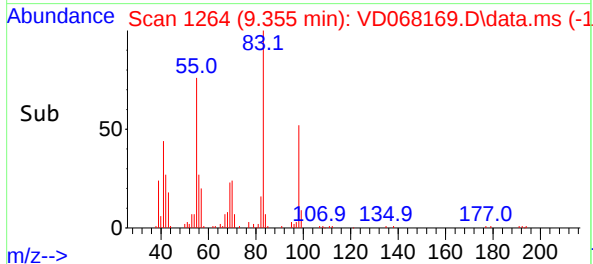
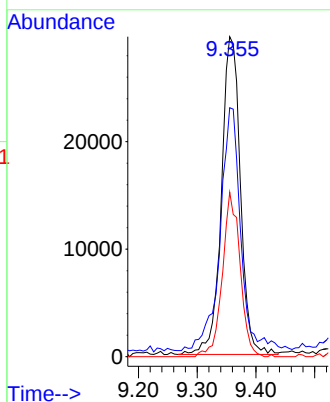
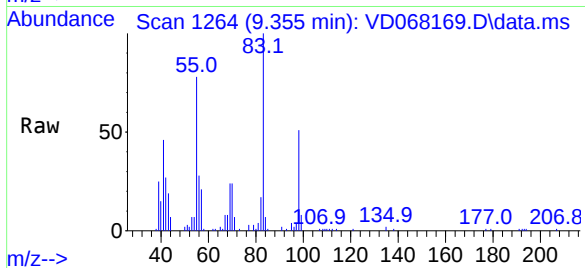
98 51.8 39.1 58.7

Instrument :

MSVOA_D

ClientSampleId :

PS-102



#40

Benzene

Concen: 2.31 ug/l

RT: 8.355 min Scan# 1094

Delta R.T. 0.000 min

Lab File: VD068169.D

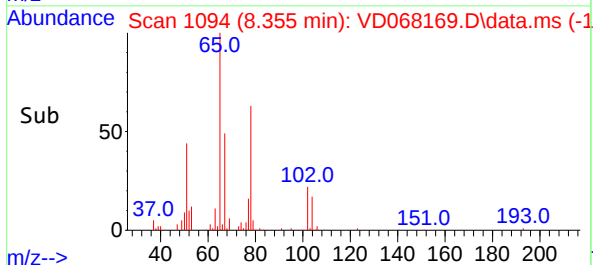
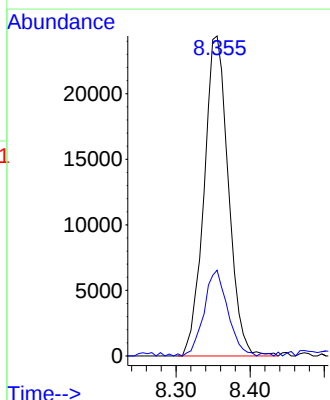
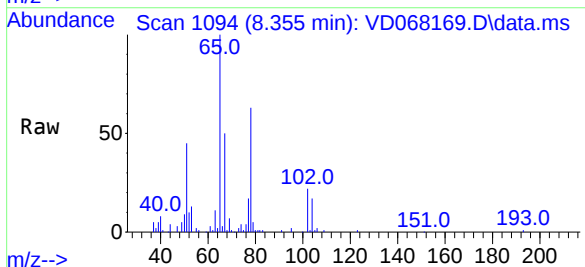
Acq: 25 Jan 2021 15:02

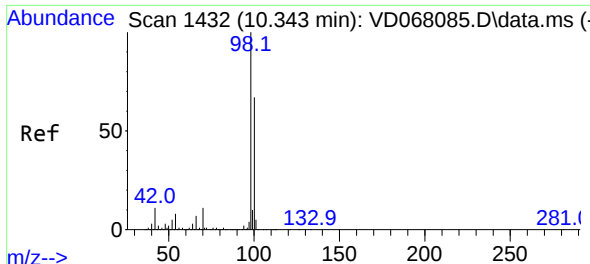
Tgt Ion: 78 Resp: 55610

Ion Ratio Lower Upper

78 100

77 26.1 17.8 26.6

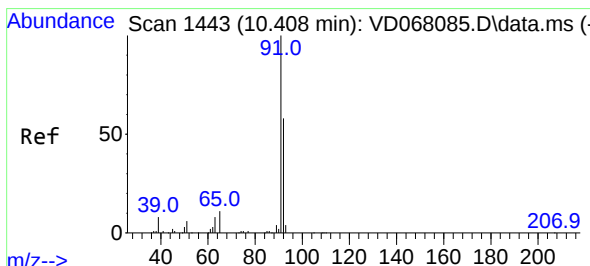
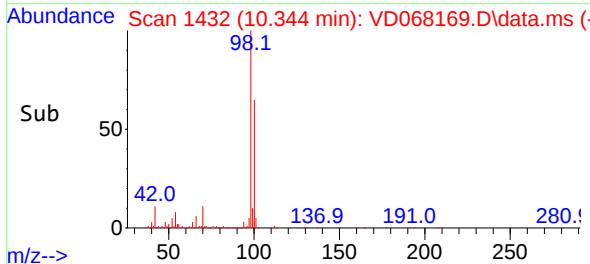
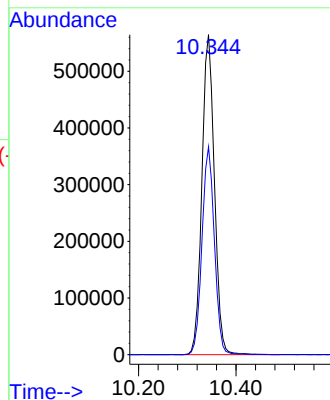
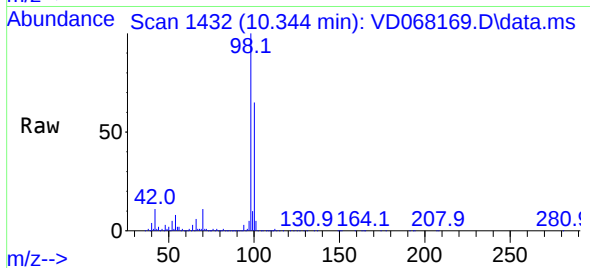




#50
Toluene-d8
Concen: 53.40 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

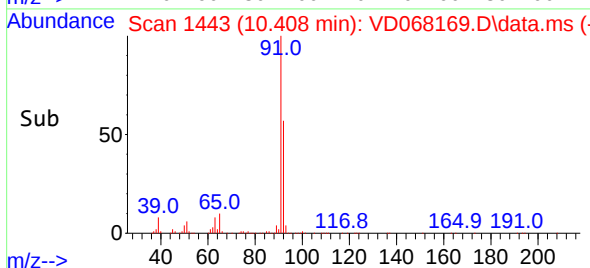
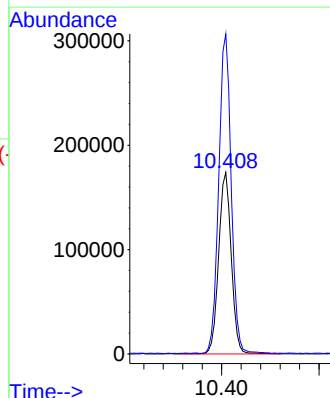
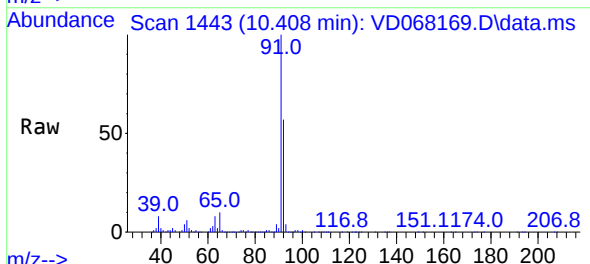
Instrument :
MSVOA_D
ClientSampleId :
PS-102

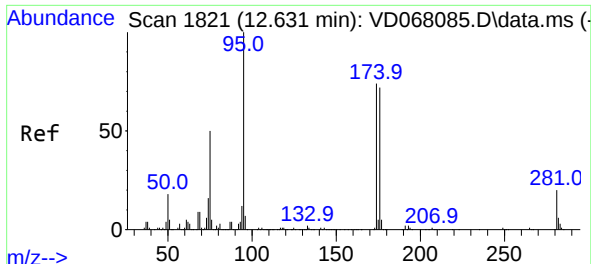
Tgt Ion: 98 Resp: 1007038
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4



#52
Toluene
Concen: 19.91 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion: 92 Resp: 311984
Ion Ratio Lower Upper
92 100
91 173.8 134.1 201.1

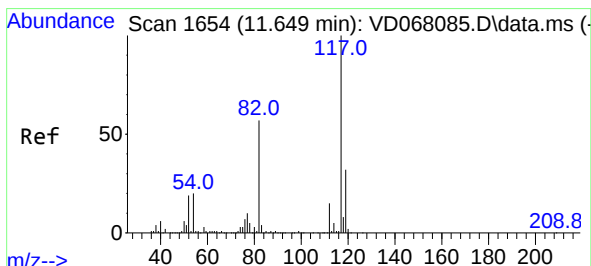
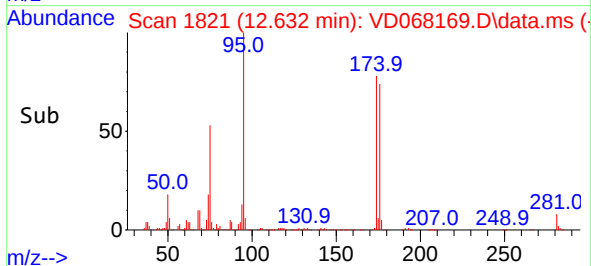
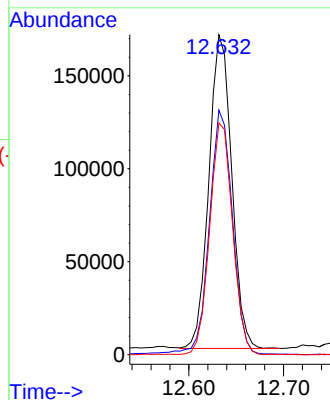
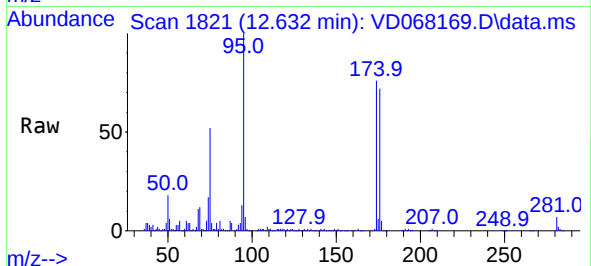




#62
4-Bromofluorobenzene
Concen: 41.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

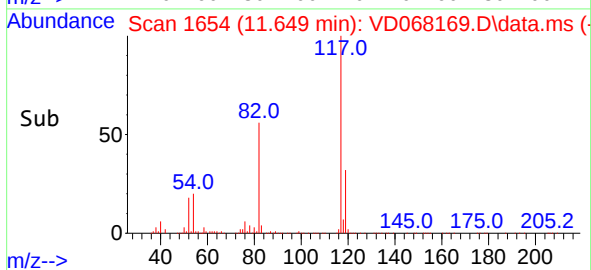
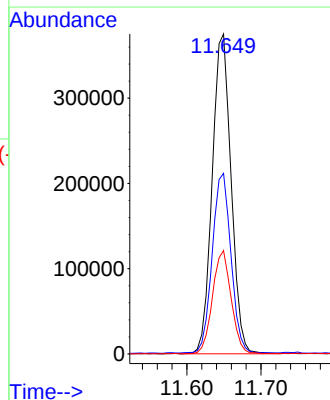
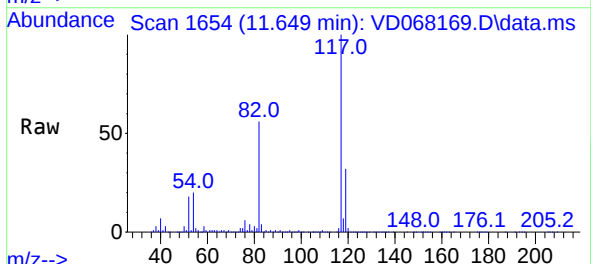
Instrument :
MSVOA_D
ClientSampleId :
PS-102

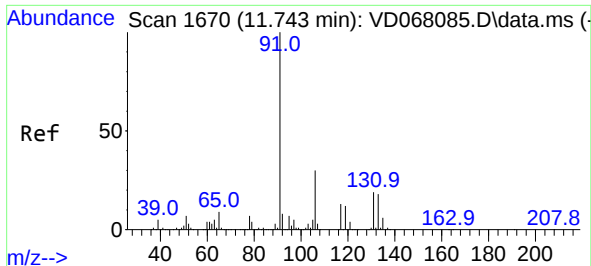
Tgt Ion: 95 Resp: 282573
Ion Ratio Lower Upper
95 100
174 79.1 0.0 172.4
176 74.1 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion: 117 Resp: 663397
Ion Ratio Lower Upper
117 100
82 56.2 41.4 62.0
119 32.3 26.1 39.1

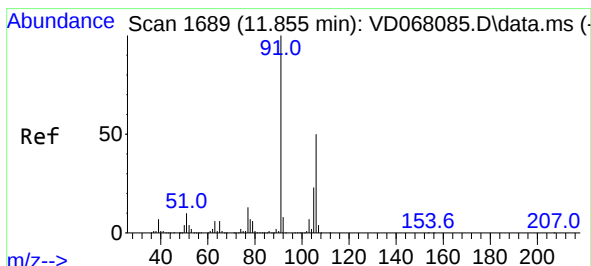
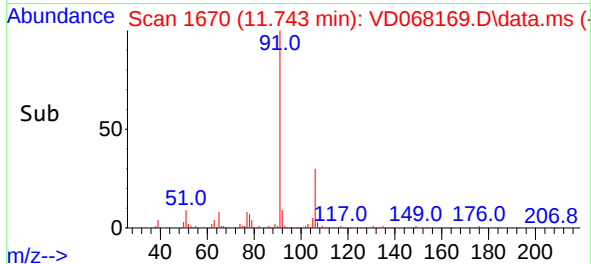
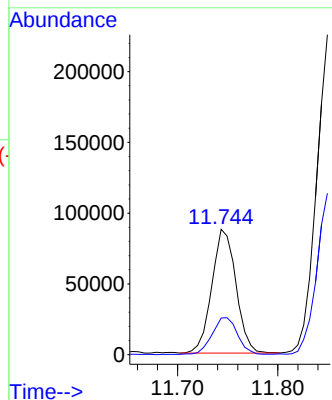
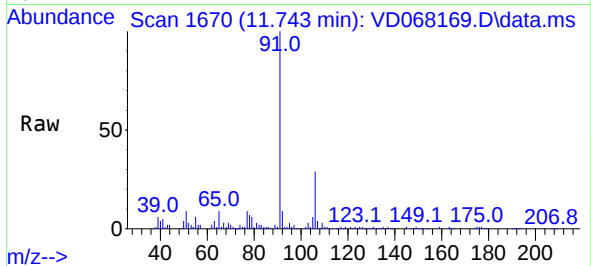




#67
Ethyl Benzene
Concen: 5.60 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

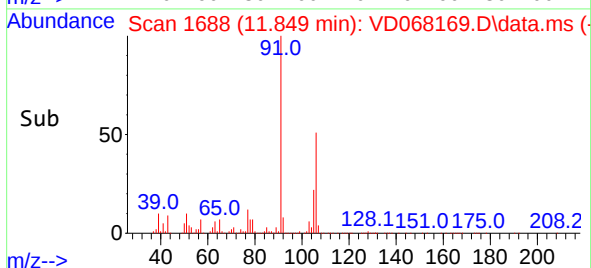
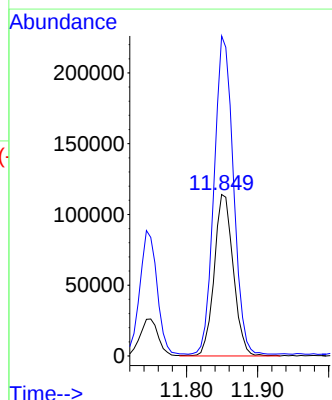
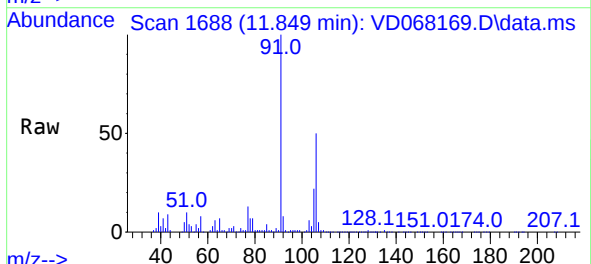
Instrument :
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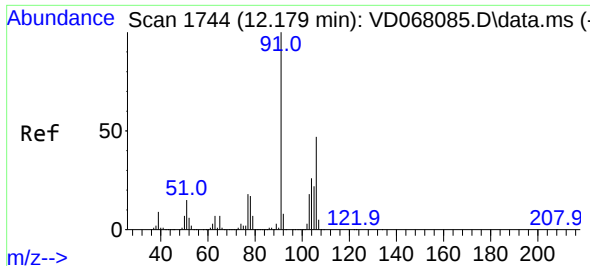
Tgt Ion: 91 Resp: 146275
Ion Ratio Lower Upper
91 100
106 29.3 25.9 38.9



#68
m/p-Xylenes
Concen: 21.51 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion:106 Resp: 211965
Ion Ratio Lower Upper
106 100
91 198.7 159.1 238.7

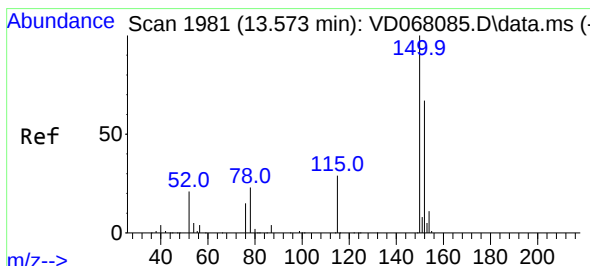
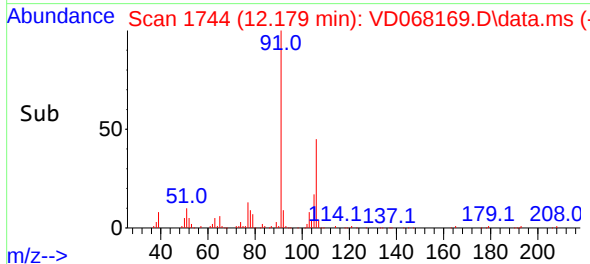
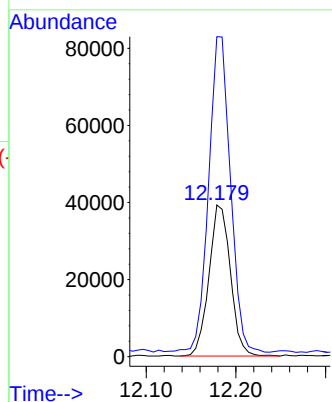
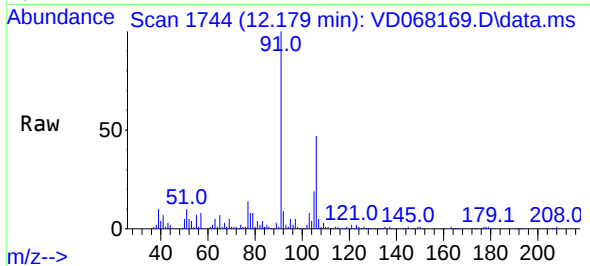




#69
o-Xylene
Concen: 7.13 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

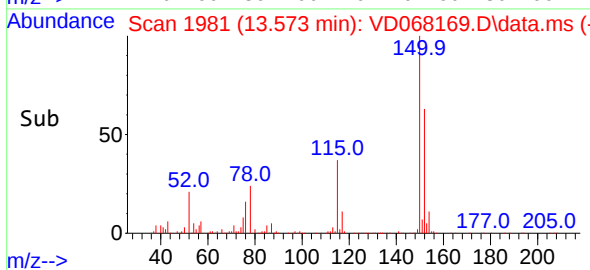
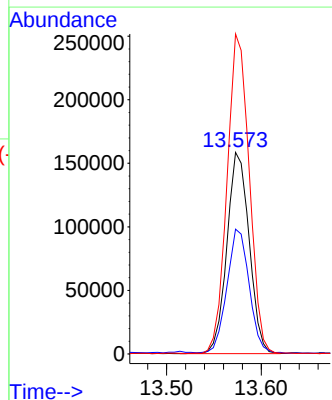
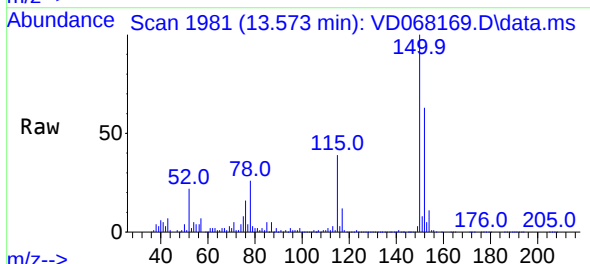
Instrument :
MSVOA_D
ClientSampled :
PS-102

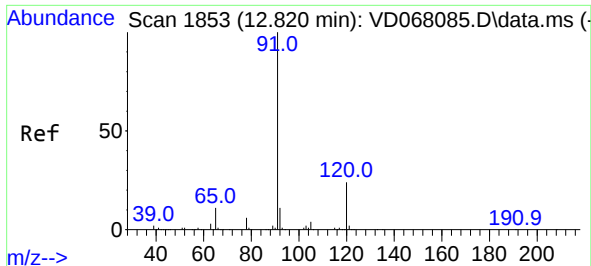
Tgt Ion:106 Resp: 65268
Ion Ratio Lower Upper
106 100
91 211.4 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion:152 Resp: 258869
Ion Ratio Lower Upper
152 100
115 61.4 28.9 86.8
150 158.0 0.0 344.4

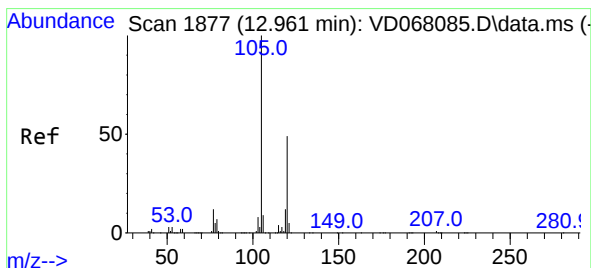
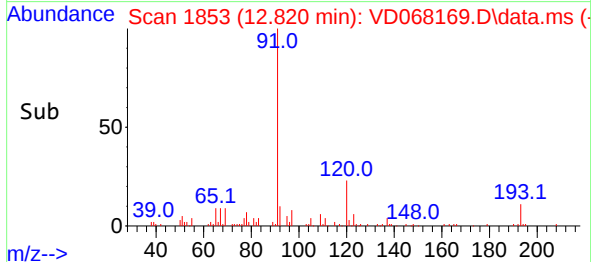
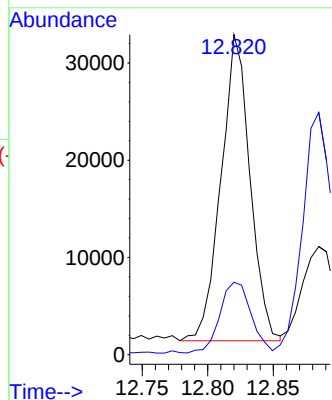
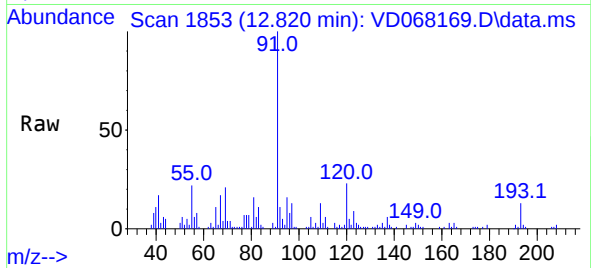




#78
n-propylbenzene
Concen: 1.90 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

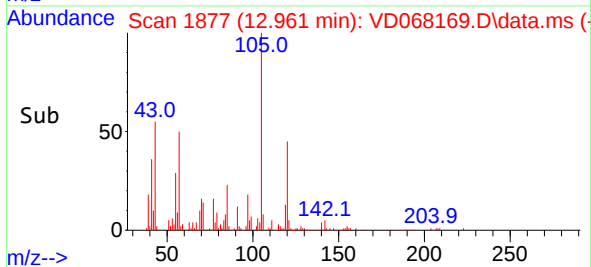
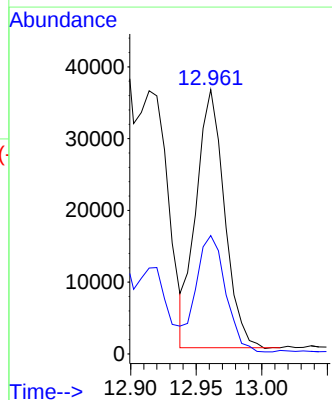
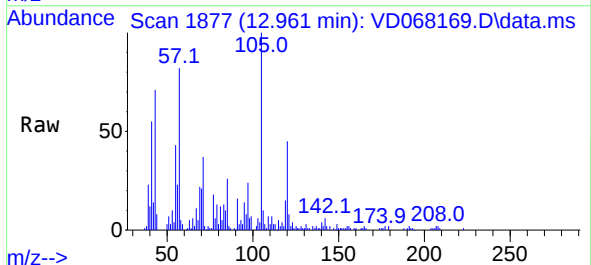
Instrument :
MSVOA_D
ClientSampled :
PS-102

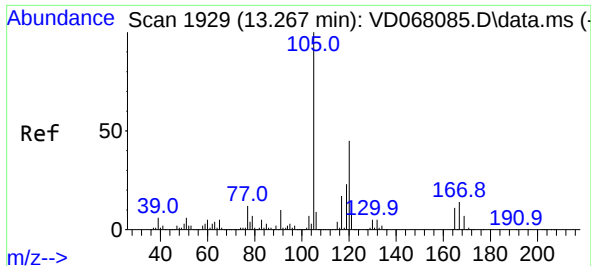
Tgt Ion: 91 Resp: 48408
Ion Ratio Lower Upper
91 100
120 24.8 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 3.02 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion: 105 Resp: 54103
Ion Ratio Lower Upper
105 100
120 47.0 24.2 72.6

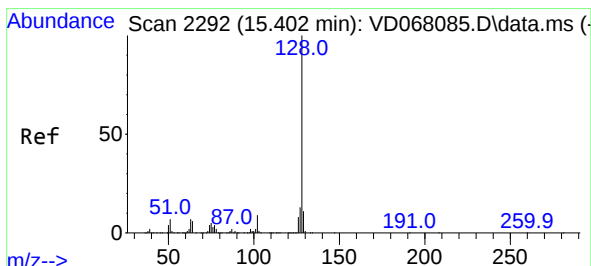
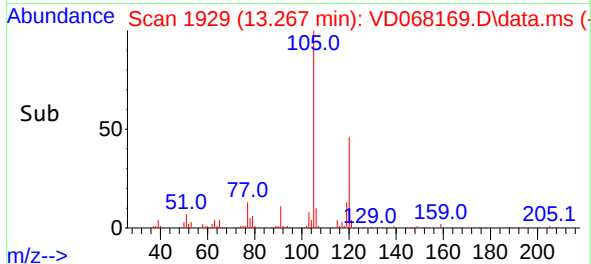
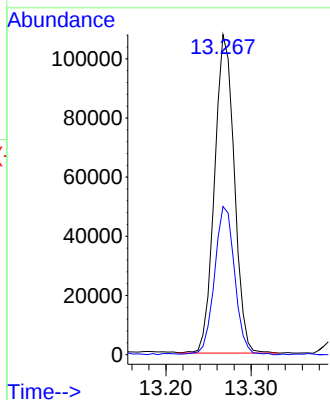
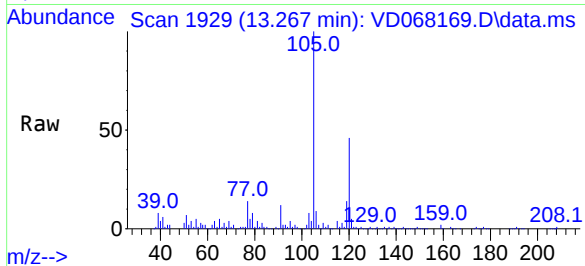




#84
1,2,4-Trimethylbenzene
Concen: 9.74 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :
PS-102

Tgt Ion:105 Resp: 173460
Ion Ratio Lower Upper
105 100
120 47.5 22.4 67.0



#95
Naphthalene
Concen: 1.37 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068169.D
Acq: 25 Jan 2021 15:02

Tgt Ion:128 Resp: 13348
Ion Ratio Lower Upper
128 100
127 16.5 10.2 15.2#
129 8.2 8.8 13.2#

