

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076938.D
 Acq On : 07 Aug 2023 18:29
 Operator : KP/SY
 Sample : 03903-01
 Misc : 5.49G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-01

Quant Time: Aug 08 04:41:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

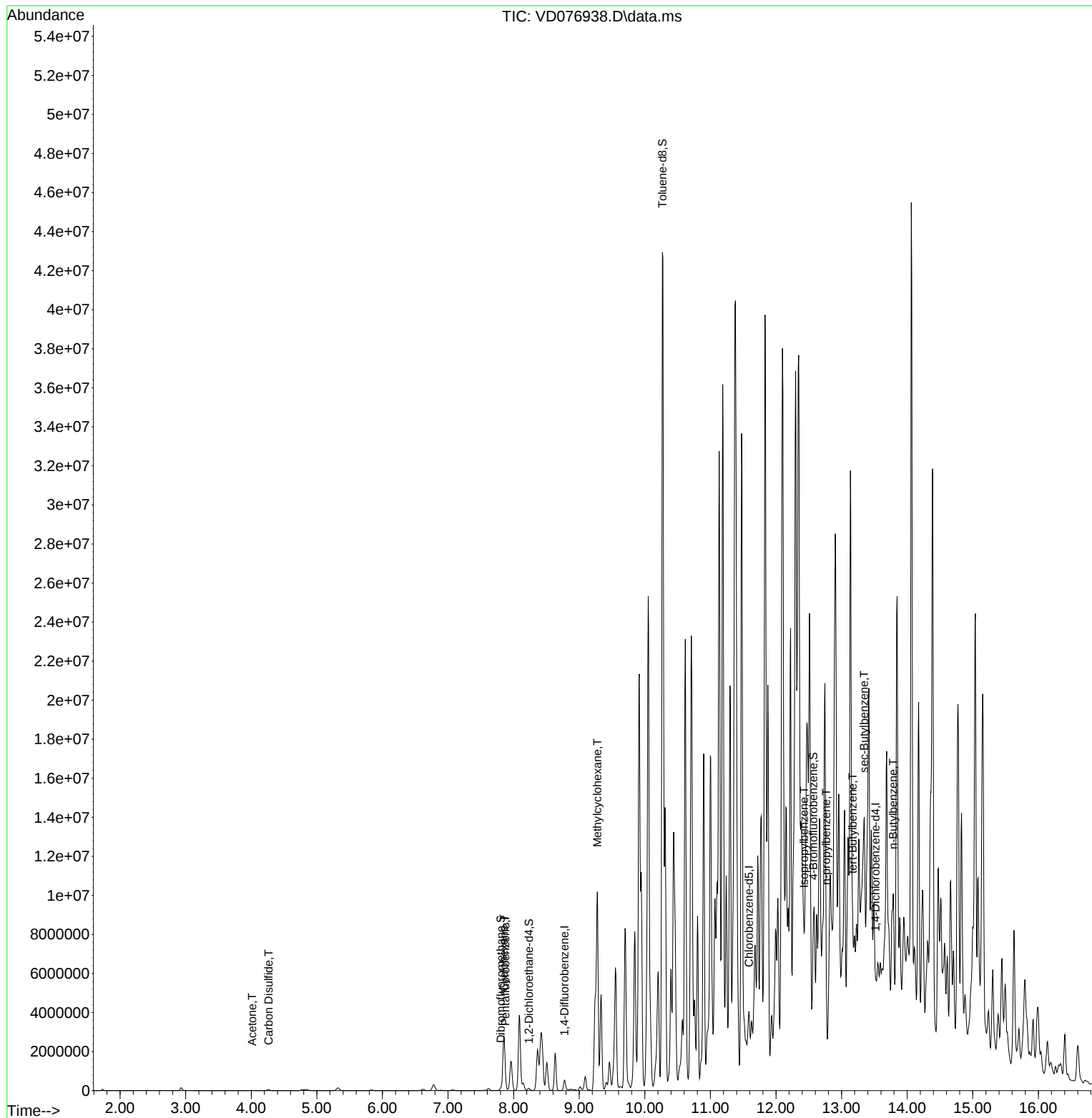
Internal Standards						
1) Pentafluorobenzene	7.875	168	169977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	338161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	447915	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	500525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	88168	52.077	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.160%	
35) Dibromofluoromethane	7.805	113	84469	39.750	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.500%	
50) Toluene-d8	10.269	98	3315533	436.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 872.280%#	
62) 4-Bromofluorobenzene	12.569	95	1164775	473.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 947.260%#	
Target Compounds						
					Qvalue	
16) Acetone	4.017	43	15784	39.037	ug/l #	68
17) Carbon Disulfide	4.264	76	117901	30.054	ug/l	100
31) Cyclohexane	7.852	56	495250	198.767	ug/l #	36
39) Methylcyclohexane	9.275	83	3622618	1129.844	ug/l	91
73) Isopropylbenzene	12.428	105	367133	10.110	ug/l	94
78) n-propylbenzene	12.763	91	722098	16.402	ug/l	90
83) tert-Butylbenzene	13.169	119	247988	9.592	ug/l #	37
85) sec-Butylbenzene	13.346	105	2830177	71.649	ug/l #	52
89) n-Butylbenzene	13.787	91	2819799	88.334	ug/l #	83

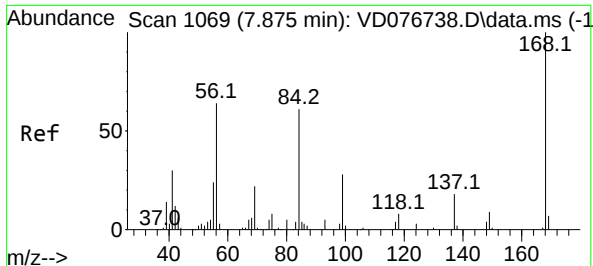
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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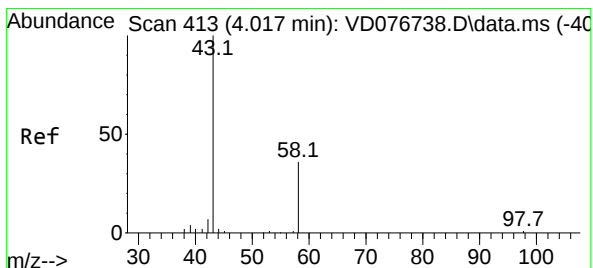
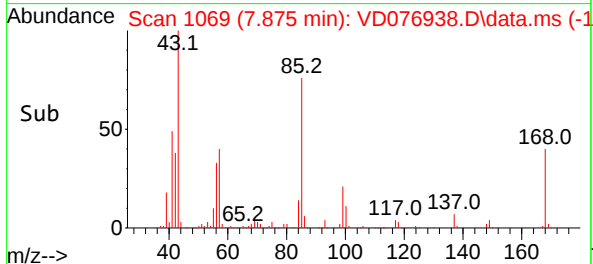
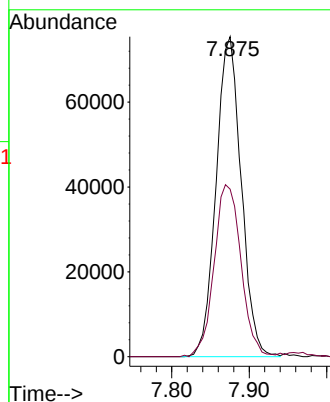
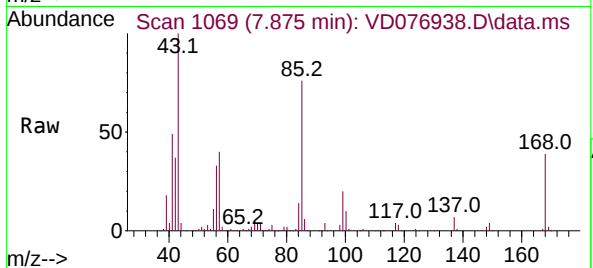




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

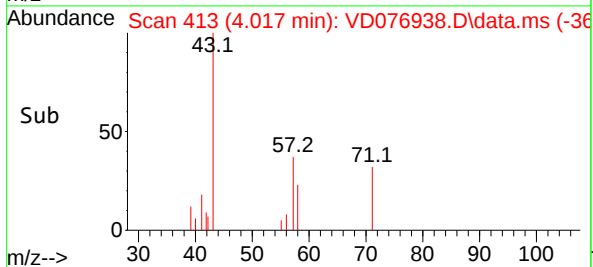
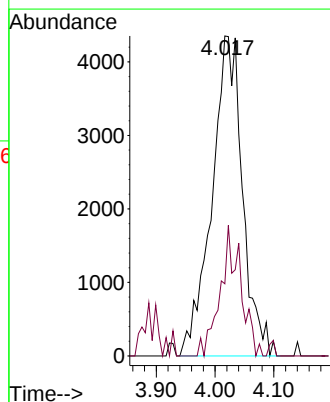
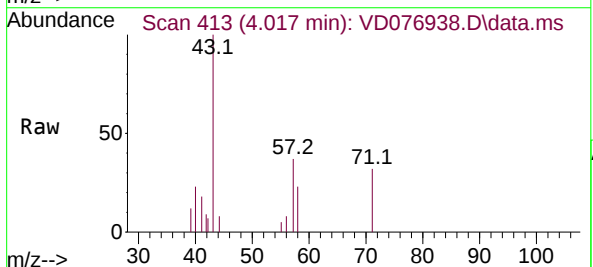
Instrument :
MSVOA_D
ClientSampleId :
MW-01

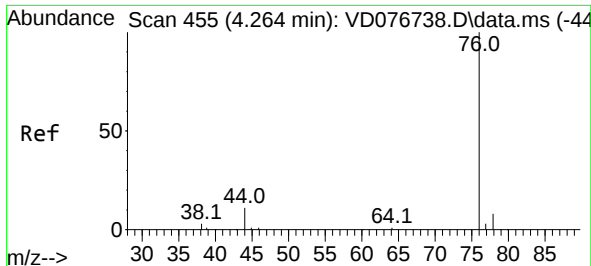
Tgt Ion:168 Resp: 169977
Ion Ratio Lower Upper
168 100
99 52.3 36.7 55.1



#16
Acetone
Concen: 39.037 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 43 Resp: 15784
Ion Ratio Lower Upper
43 100
58 22.6 34.7 52.1#

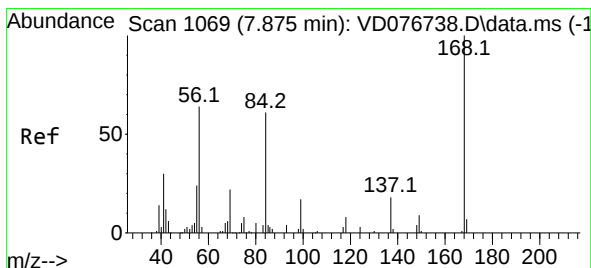
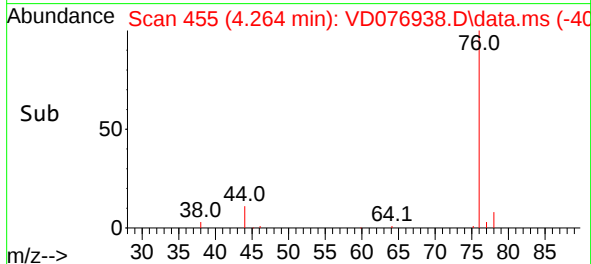
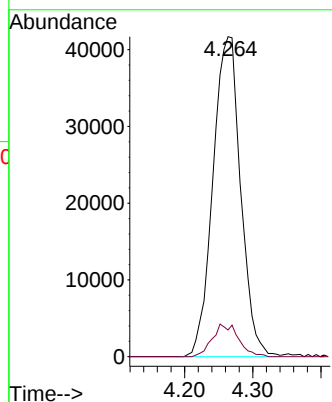
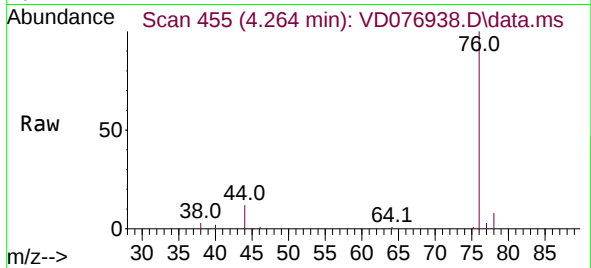




#17
Carbon Disulfide
Concen: 30.054 ug/l
RT: 4.264 min Scan# 418
Delta R.T. -0.000 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

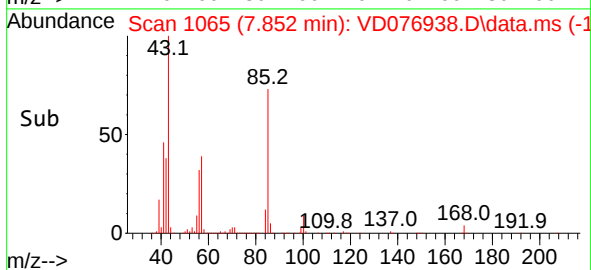
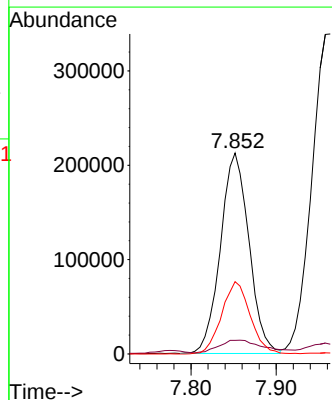
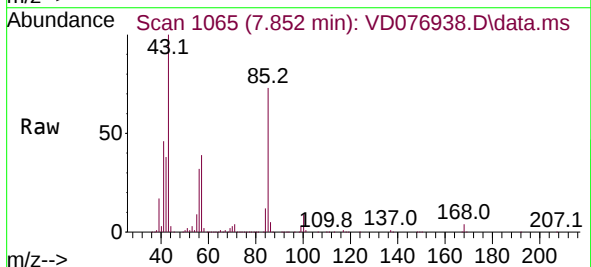
Instrument :
MSVOA_D
ClientSampleId :
MW-01

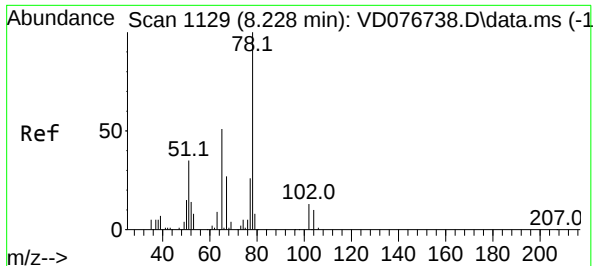
Tgt Ion: 76 Resp: 117901
Ion Ratio Lower Upper
76 100
78 8.3 6.8 10.2



#31
Cyclohexane
Concen: 198.767 ug/l
RT: 7.852 min Scan# 1065
Delta R.T. -0.023 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 56 Resp: 495250
Ion Ratio Lower Upper
56 100
69 5.4 28.6 43.0#
84 36.0 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 52.077 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD076938.D

Acq: 07 Aug 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

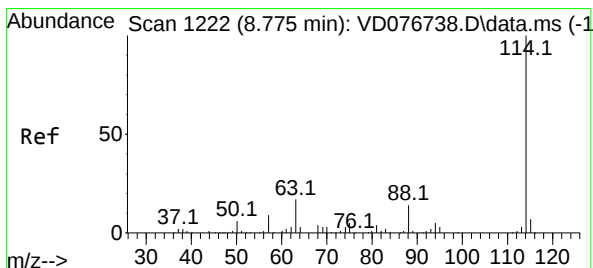
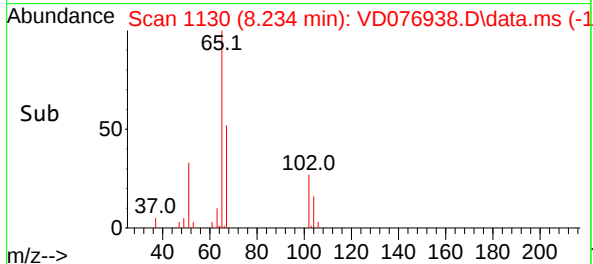
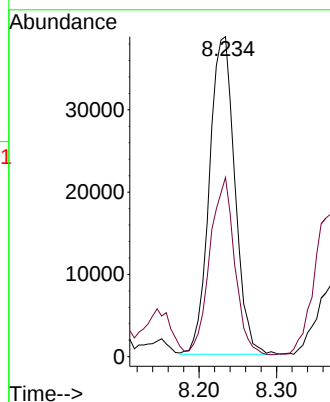
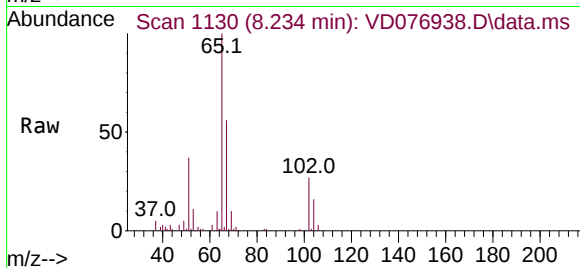
MW-01

Tgt Ion: 65 Resp: 88168

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076938.D

Acq: 07 Aug 2023 18:29

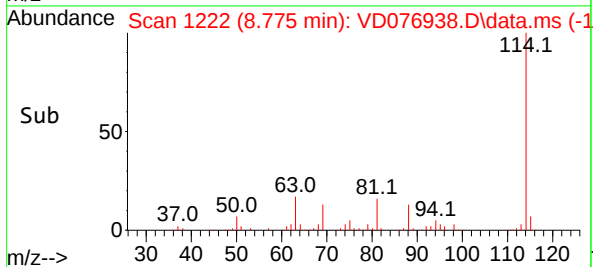
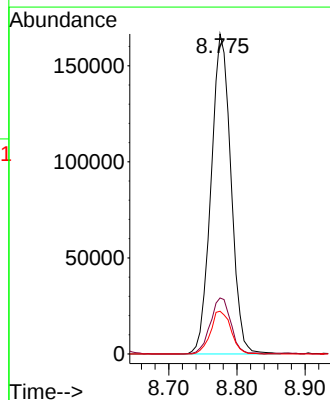
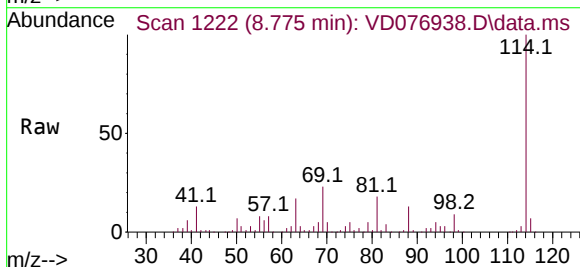
Tgt Ion: 114 Resp: 338161

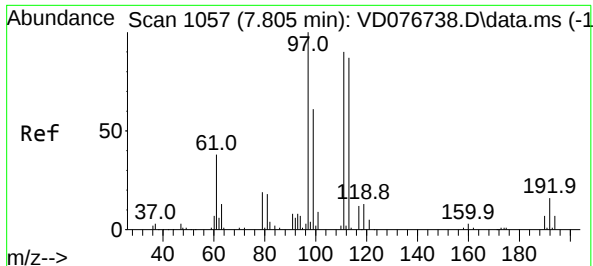
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 13.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 39.750 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076938.D

Acq: 07 Aug 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

MW-01

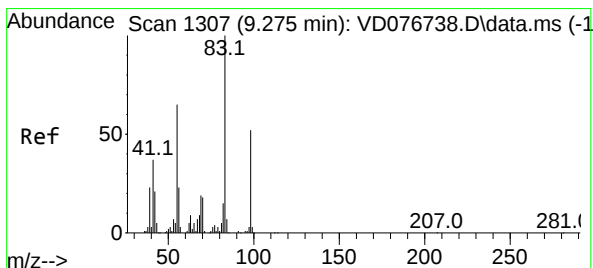
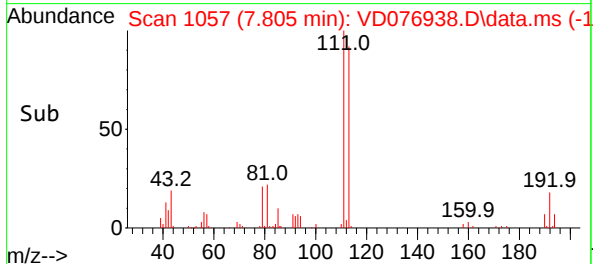
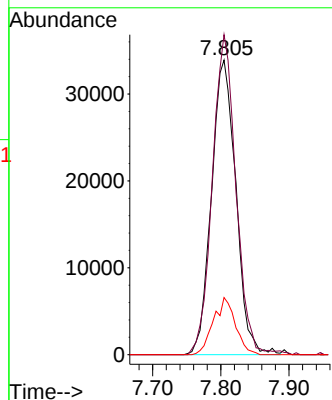
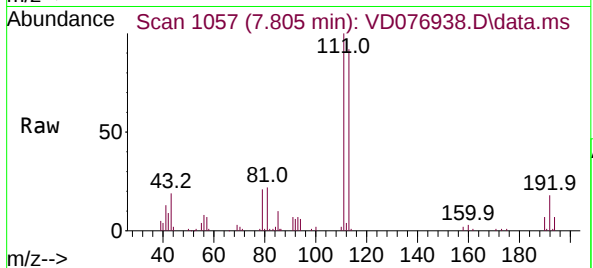
Tgt Ion:113 Resp: 84469

Ion Ratio Lower Upper

113 100

111 105.2 84.7 127.1

192 17.6 16.8 25.2



#39

Methylcyclohexane

Concen: 1129.844 ug/l

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD076938.D

Acq: 07 Aug 2023 18:29

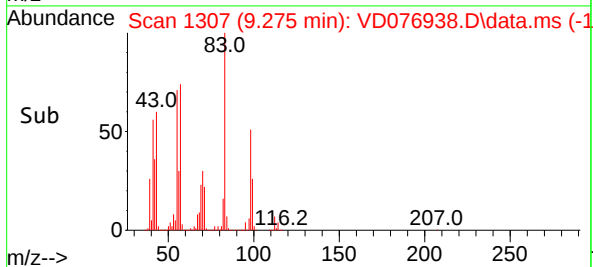
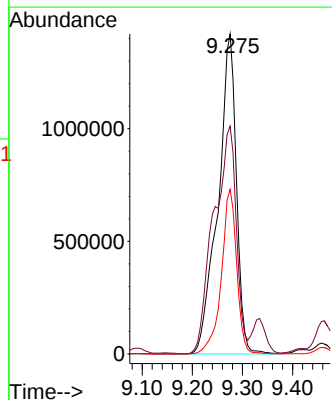
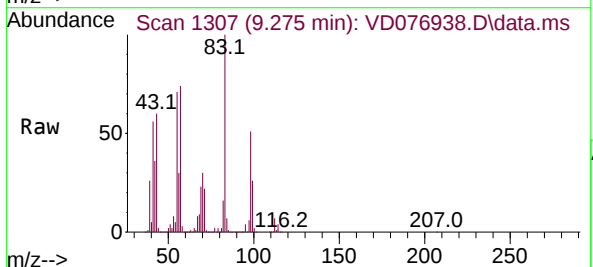
Tgt Ion: 83 Resp: 3622618

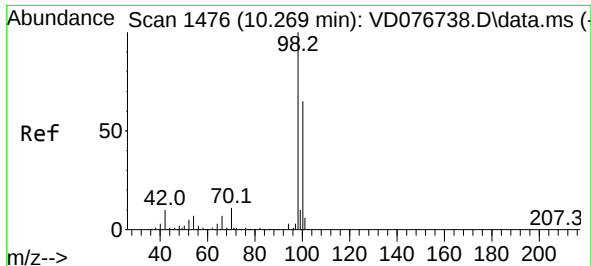
Ion Ratio Lower Upper

83 100

55 71.1 49.4 74.0

98 51.5 38.4 57.6

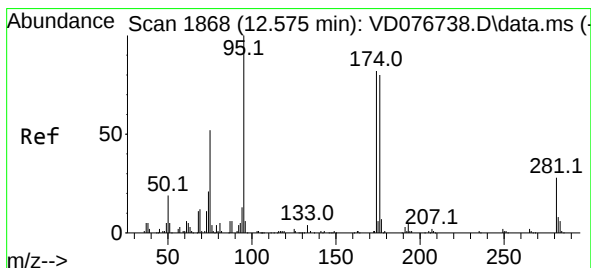
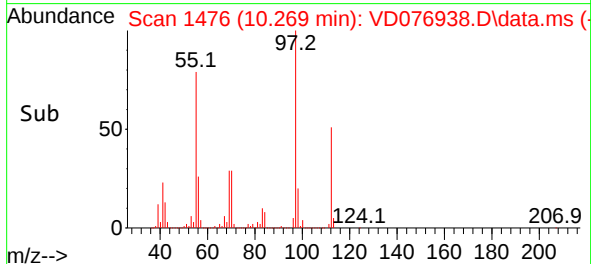
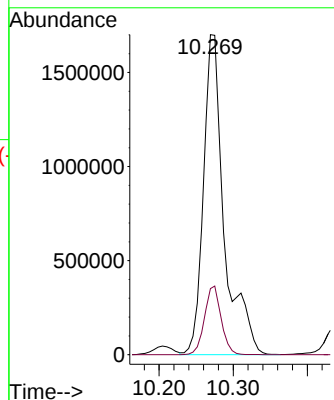
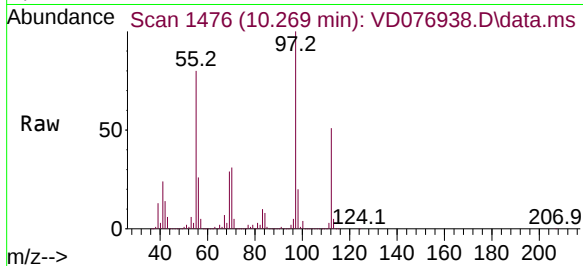




#50
Toluene-d8
Concen: 436.138 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

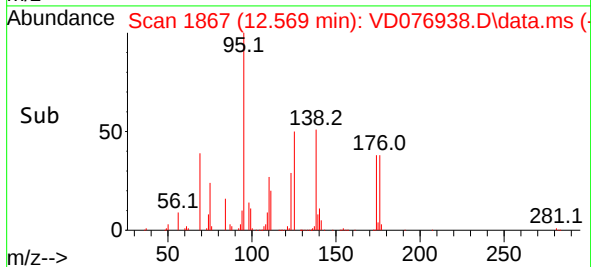
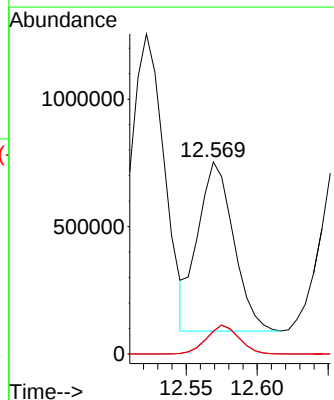
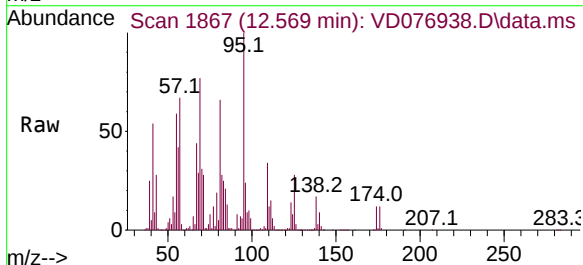
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MW-01

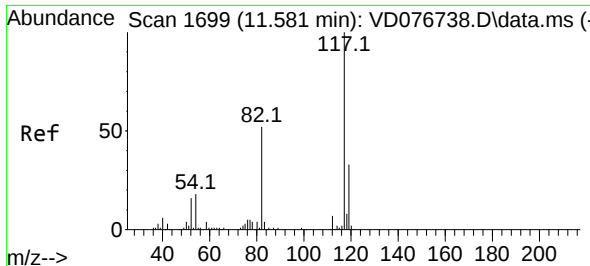
Tgt Ion: 98 Resp: 3315533
Ion Ratio Lower Upper
98 100
100 17.1 50.3 75.5#



#62
4-Bromofluorobenzene
Concen: 473.628 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 95 Resp: 1164775
Ion Ratio Lower Upper
95 100
174 15.4 0.0 201.8
176 15.2 0.0 191.8

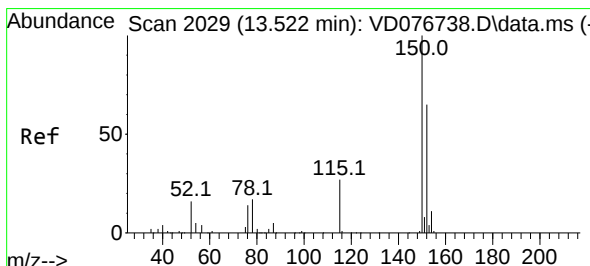
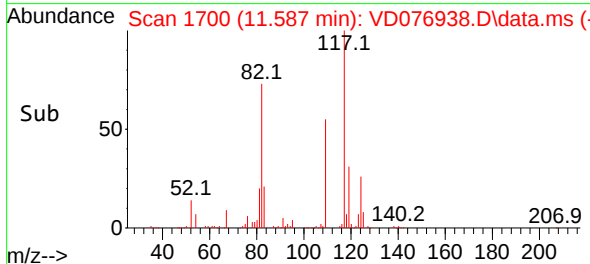
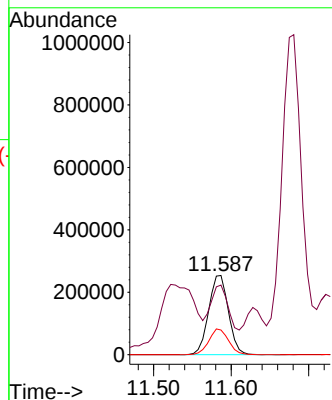
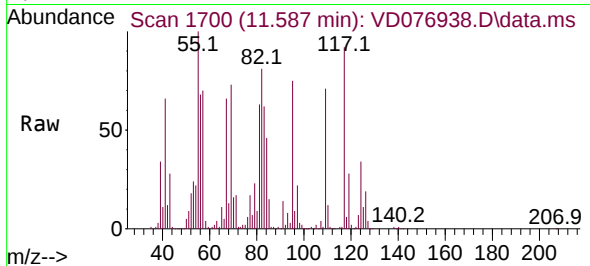




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

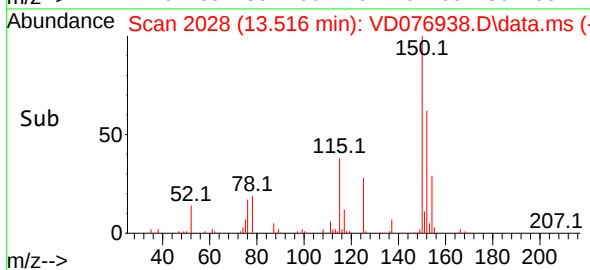
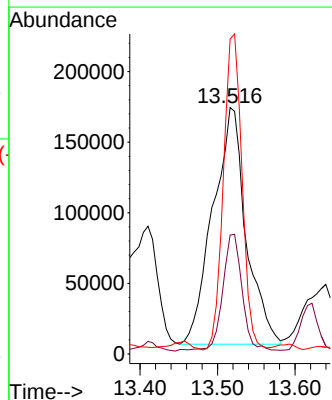
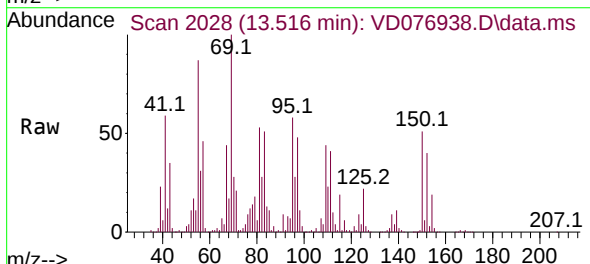
Instrument :
MSVOA_D
ClientSampleId :
MW-01

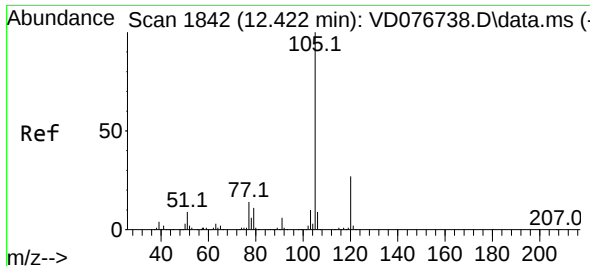
Tgt Ion:117 Resp: 447915
Ion Ratio Lower Upper
117 100
82 3.5 38.3 57.5#
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

Tgt Ion:152 Resp: 500525
Ion Ratio Lower Upper
152 100
115 29.1 27.1 81.3
150 74.7 0.0 353.6

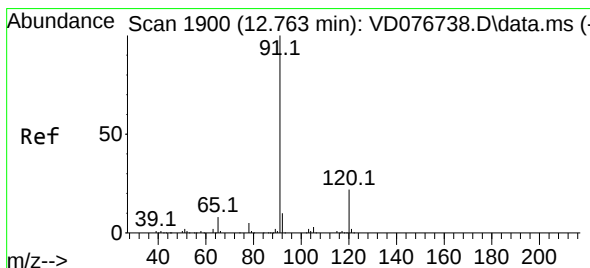
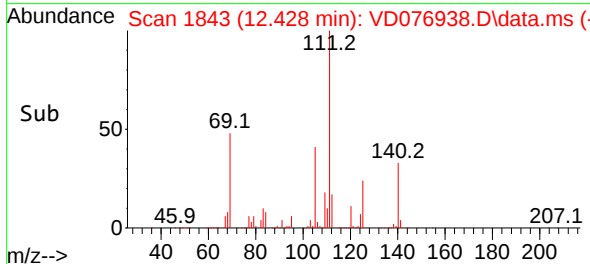
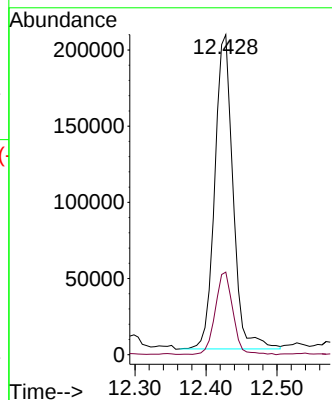
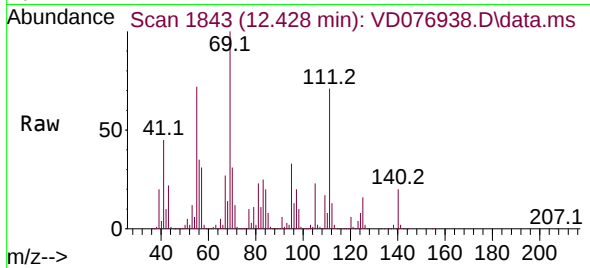




#73
Isopropylbenzene
Concen: 10.110 ug/l
RT: 12.428 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

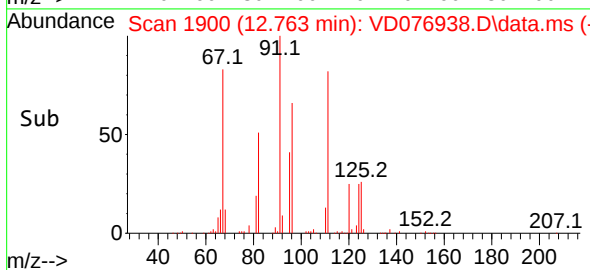
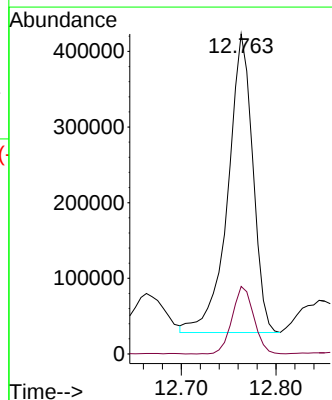
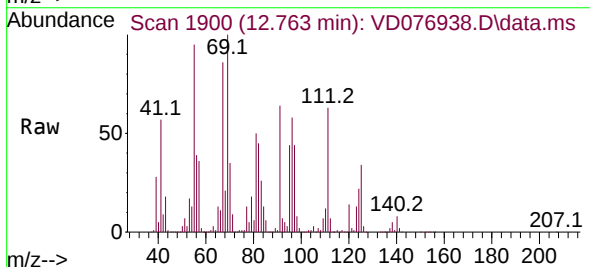
Instrument :
MSVOA_D
ClientSampleId :
MW-01

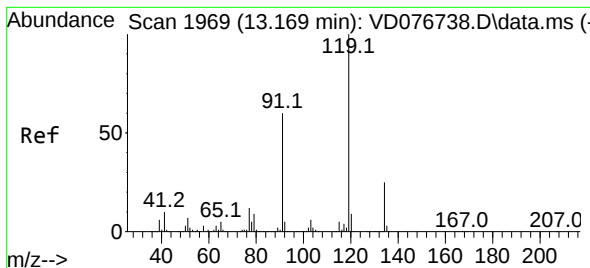
Tgt Ion:105 Resp: 367133
Ion Ratio Lower Upper
105 100
120 25.6 14.3 42.9



#78
n-propylbenzene
Concen: 16.402 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 91 Resp: 722098
Ion Ratio Lower Upper
91 100
120 19.6 12.4 37.2

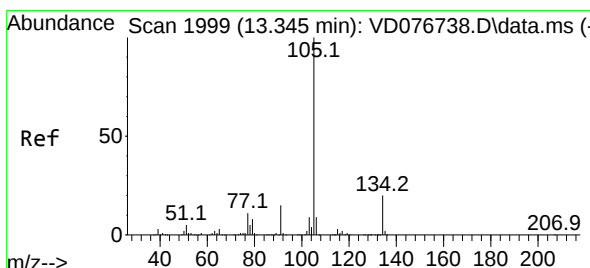
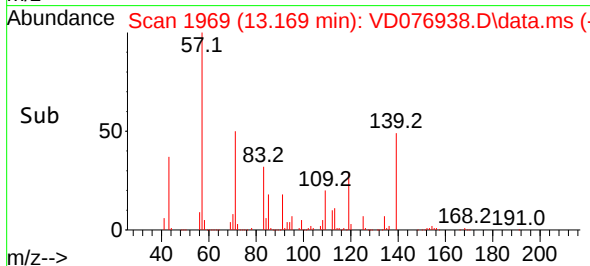
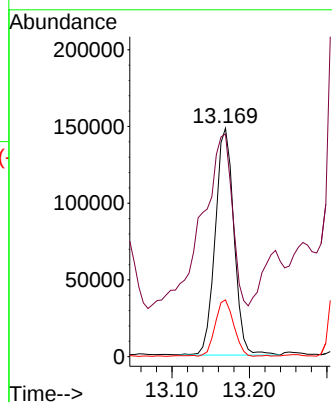
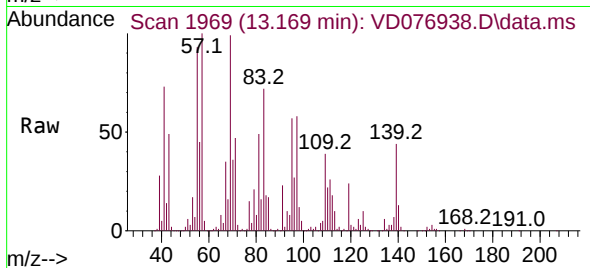




#83
tert-Butylbenzene
Concen: 9.592 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

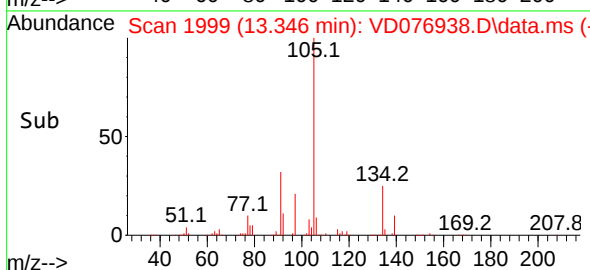
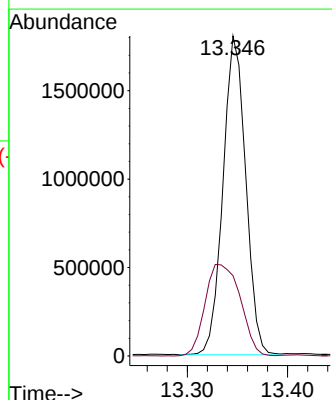
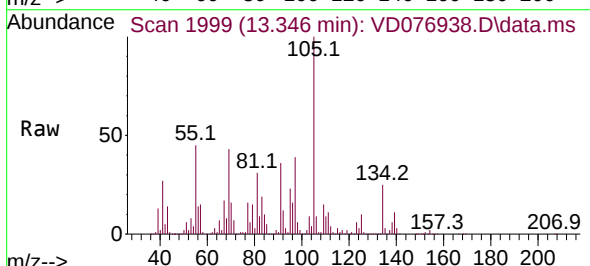
Instrument : MSVOA_D
ClientSampleId : MW-01

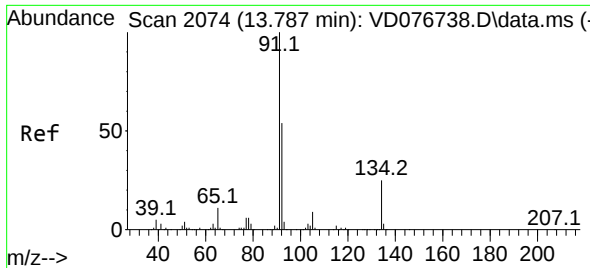
Tgt Ion:119 Resp: 247988
Ion Ratio Lower Upper
119 100
91 125.1 29.3 87.8#
134 24.2 14.1 42.3



#85
sec-Butylbenzene
Concen: 71.649 ug/l
RT: 13.346 min Scan# 1999
Delta R.T. 0.001 min
Lab File: VD076938.D
Acq: 07 Aug 2023 18:29

Tgt Ion:105 Resp: 2830177
Ion Ratio Lower Upper
105 100
134 44.5 10.9 32.9#





#89
 n-Butylbenzene
 Concen: 88.334 ug/l
 RT: 13.787 min Scan# 2074
 Delta R.T. -0.000 min
 Lab File: VD076938.D
 Acq: 07 Aug 2023 18:29

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-01

Tgt Ion: 91 Resp: 2819799
 Ion Ratio Lower Upper
 91 100
 92 49.3 26.5 79.5
 134 48.0 13.8 41.3#

