

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059701.D
 Acq On : 7 Aug 2018 13:26
 Operator : VA/AP
 Sample : J4297-05
 Misc : 5.70g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Manual Integrations
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Quant Time: Aug 08 13:55:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	168258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	227975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	104033	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.89	152	60752	50.00	ug/l	-0.01

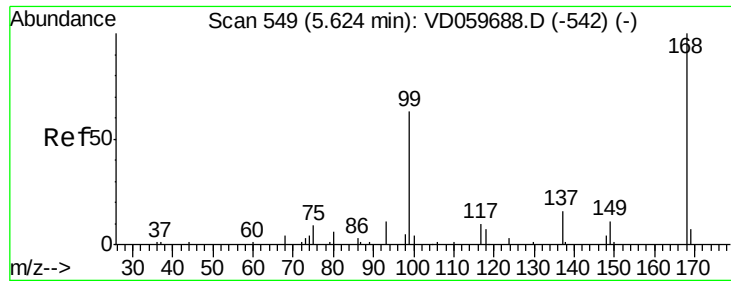
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	103084	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	5.53	113	88055	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	
50) Toluene-d8	8.71	98	345452	77.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	155.00%	
62) 4-Bromofluorobenzene	11.92	95	144421	70.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.42%	

Target Compounds

						Qvalue
16) Acetone	2.59	43	43377	106.69	ug/l	100
31) Cyclohexane	5.57	56	388439	211.21	ug/l #	76
39) Methylcyclohexane	7.29	83	2424288	1131.81	ug/l	96
40) Benzene	6.00	78	72191	14.69	ug/l	93
52) Toluene	8.81	92	1662514	530.22	ug/l	96
67) Ethyl Benzene	10.87	91	2713804	687.35	ug/l	95
68) m/p-Xylenes	11.04	106	2427139	1921.69	ug/l	91
69) o-Xylene	11.44	106	1307738	1065.05	ug/l	94
73) Isopropylbenzene	11.79	105	1377633	337.42	ug/l	92
78) n-propylbenzene	12.17	91	2982967	589.56	ug/l	94
80) 1,3,5-Trimethylbenzene	12.35	105	1868316	549.35	ug/l	95
83) tert-Butylbenzene	12.60	119	43160m	11.34	ug/l	
84) 1,2,4-Trimethylbenzene	12.67	105	3961013	1099.00	ug/l	98
85) sec-Butylbenzene	12.78	105	773913	183.07	ug/l	88
86) p-Isopropyltoluene	12.92	119	748270m	207.56	ug/l	
89) n-Butylbenzene	13.22	91	1299570m	355.53	ug/l	
95) Naphthalene	14.52	128	367152	159.33	ug/l	99

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



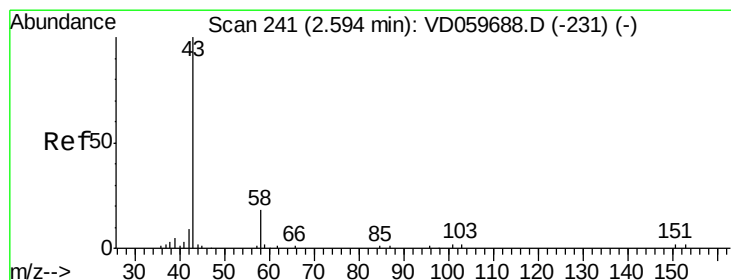
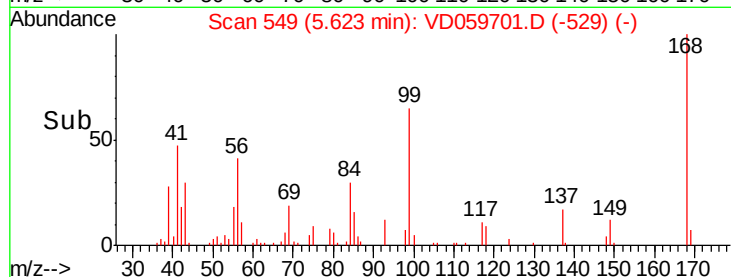
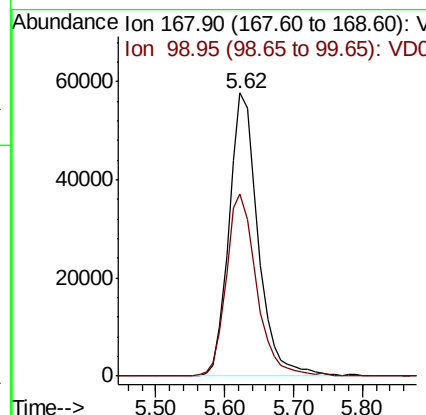
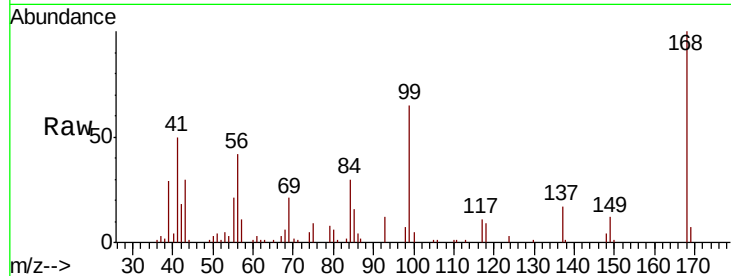
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Instrument :
MSVOA_D
ClientSampled :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
168	100	168258		
99	64.6	53.4	80.2	

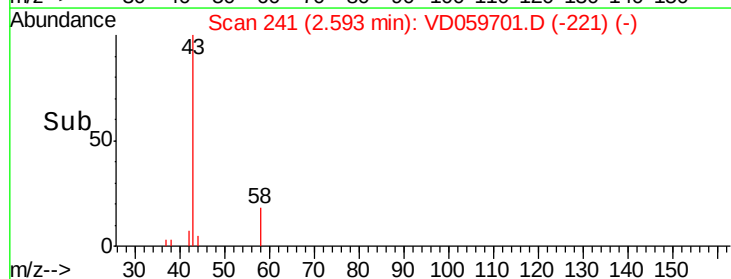
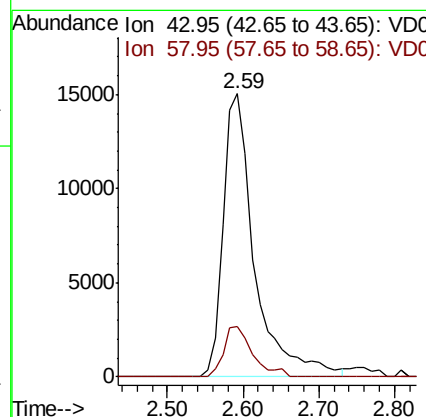
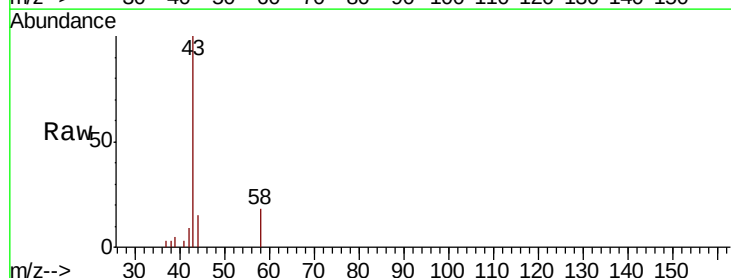
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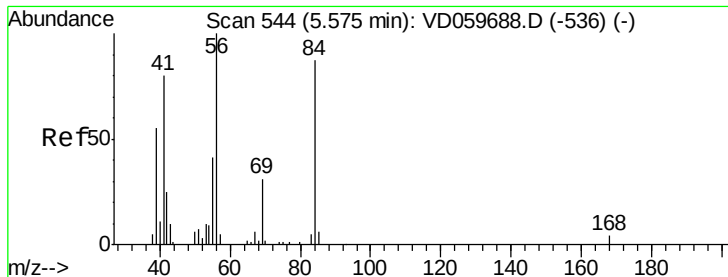
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#16
Acetone
Concen: 106.69 ug/l
RT: 2.59 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	43377		
58	17.9	14.2	21.2	





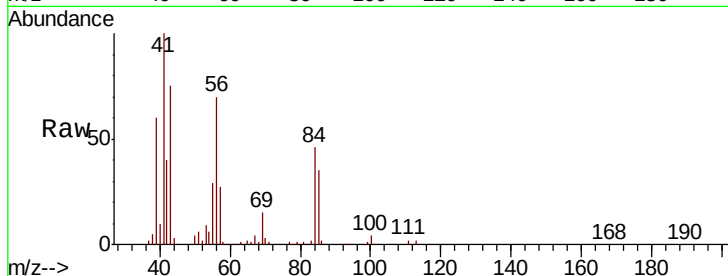
#31
Cyclohexane
Concen: 211.21 ug/l
RT: 5.57 min Scan# 544
Delta R.T. -0.00 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Instrument :
MSVOA_D
ClientSampled :
TP-5

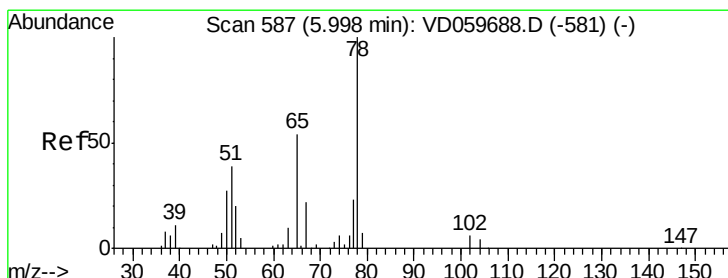
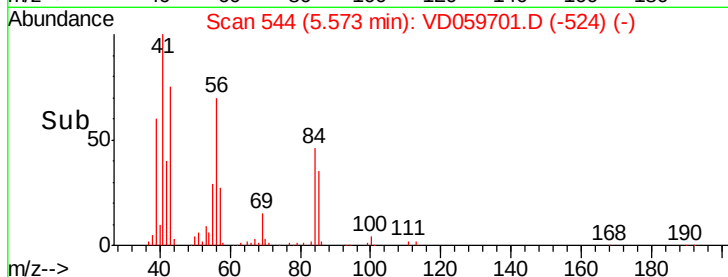
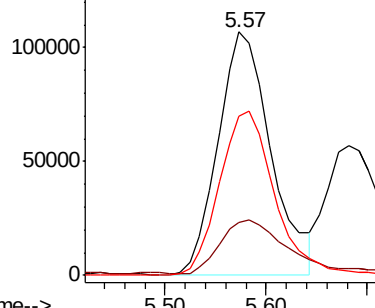
Tot Ion	Ratio	Lower	Upper
56	100		
69	21.7	24.7	37.1#
84	65.4	72.2	108.2#

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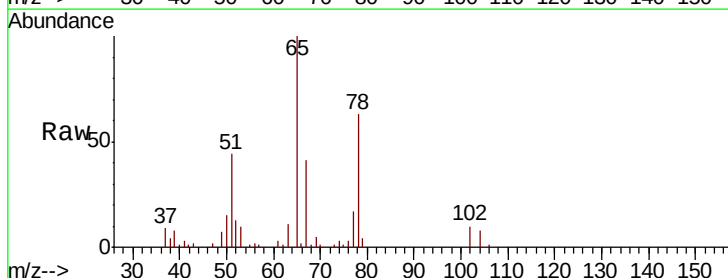


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

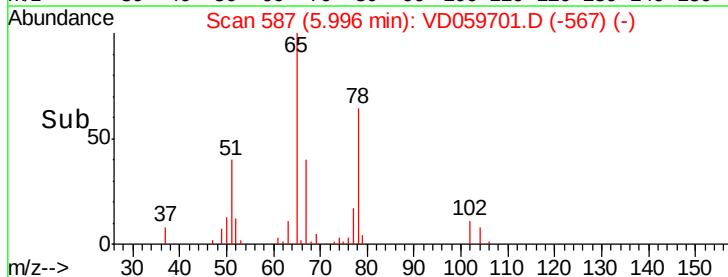
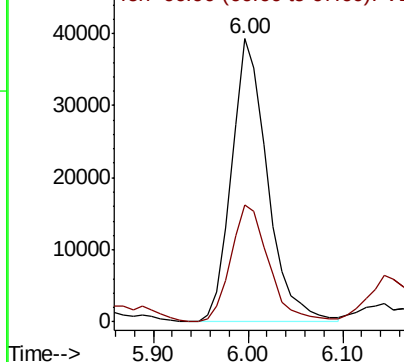


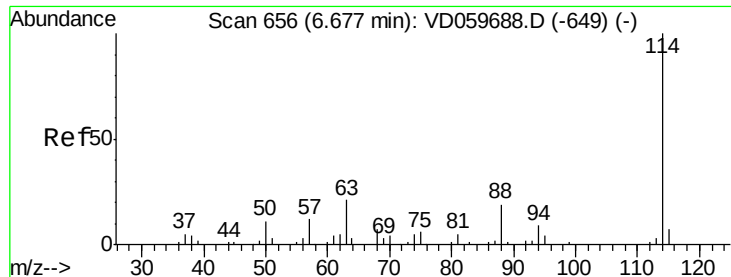
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.00 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Tgt Ion	Ratio	Lower	Upper
65	100		
67	41.2	0.0	80.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





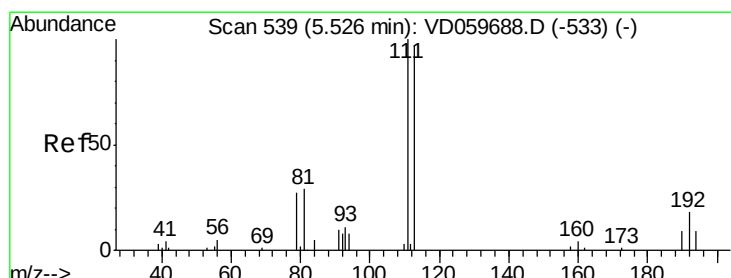
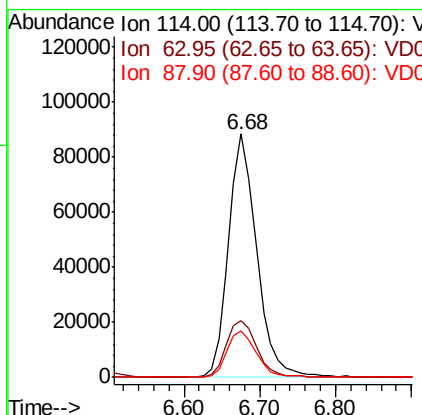
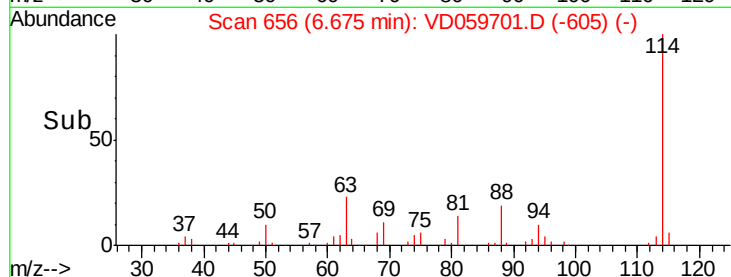
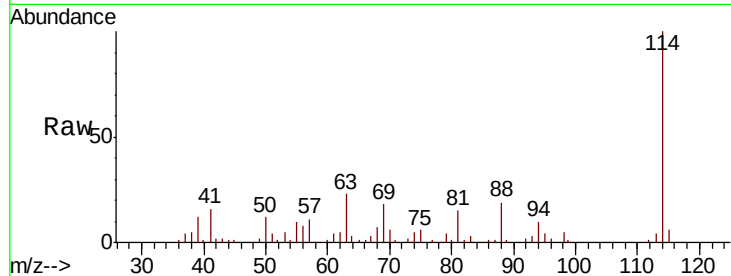
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

Tot Ion:	114	Resp:	227975
Ion Ratio	Lower	Upper	
114	100		
63	23.4	0.0	42.6
88	19.1	0.0	38.8

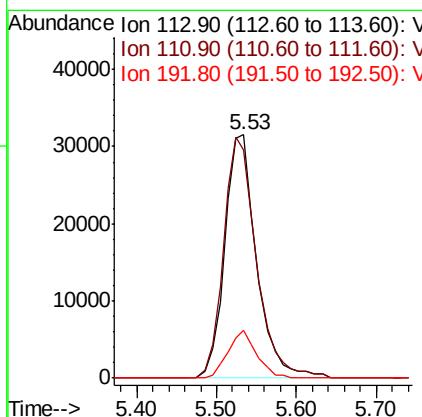
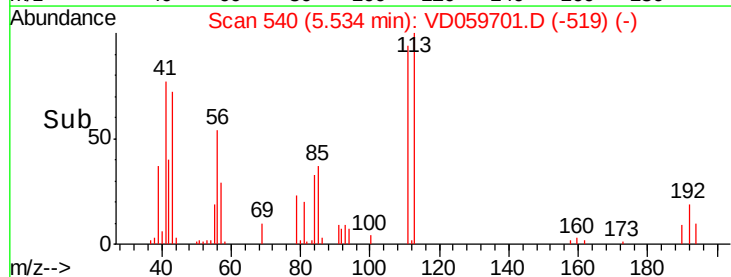
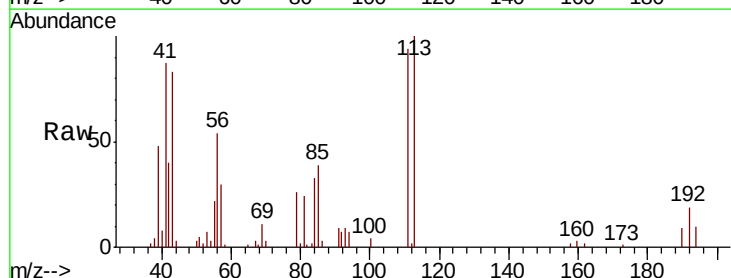
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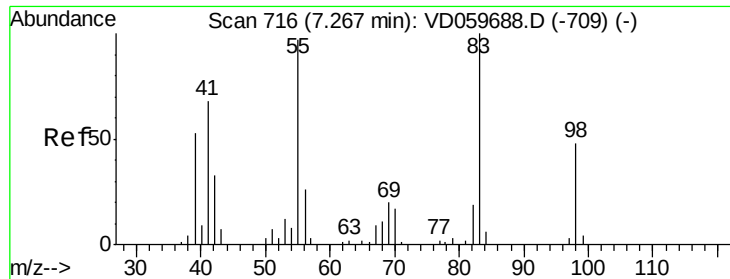
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#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Tgt Ion:	113	Resp:	88055
Ion Ratio	Lower	Upper	
113	100		
111	93.9	82.8	124.2
192	19.4	14.6	22.0





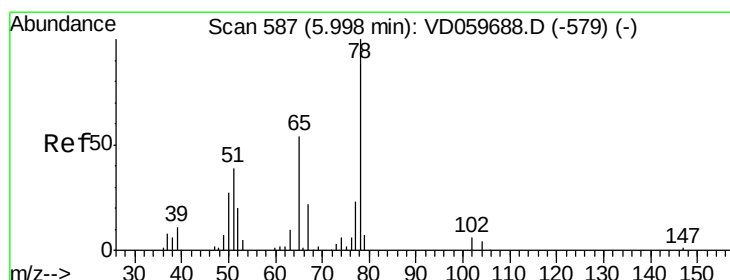
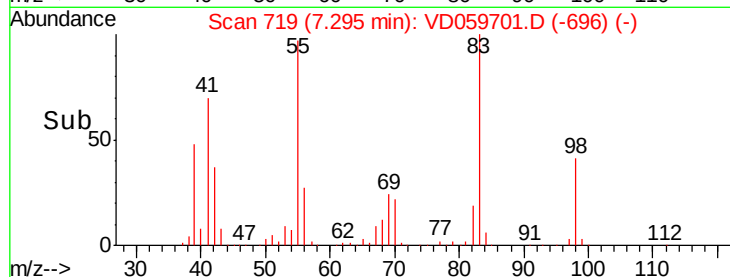
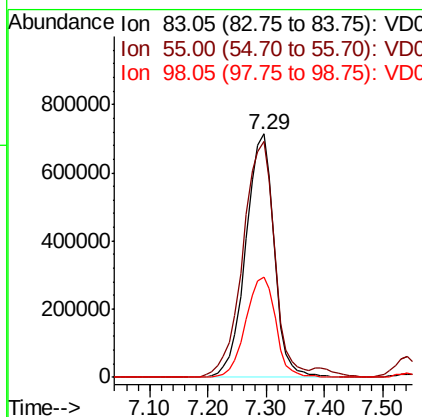
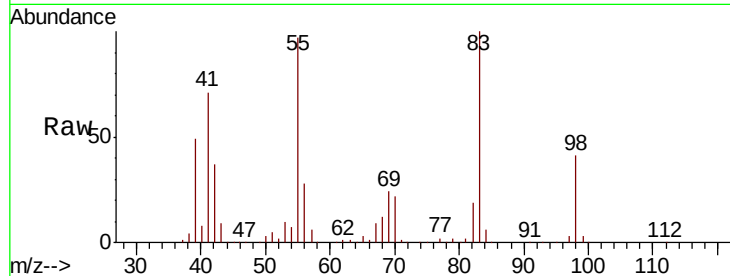
#39
Methvlcyclohexane
Concen: 1131.81 ug/l
RT: 7.29 min Scan# 719
Delta R.T. 0.03 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Instrument :
MSVOA_D
ClientSampled :
TP-5

Tot Ion: 83 Resp: 2424288
Ion Ratio Lower Upper
83 100
55 97.0 77.7 116.5
98 40.9 38.7 58.1

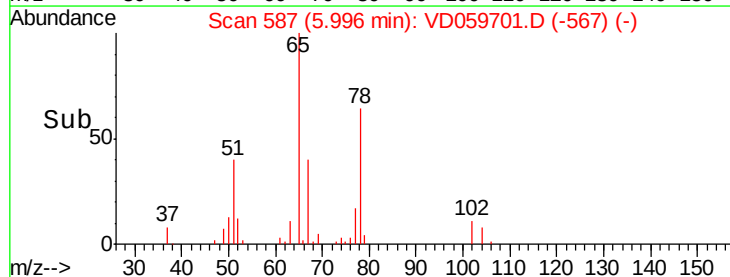
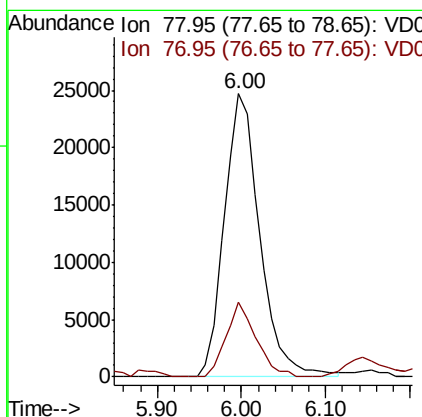
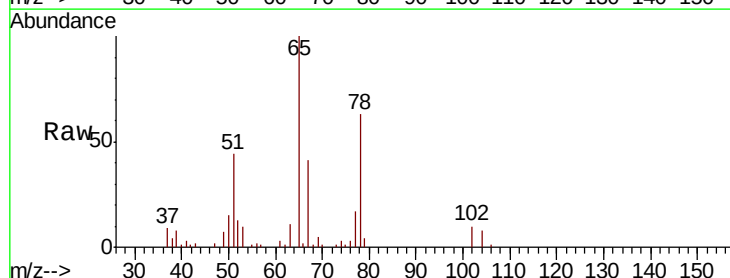
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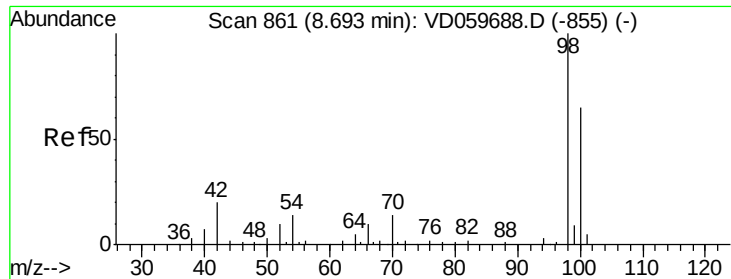
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#40
Benzene
Concen: 14.69 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.00 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Tgt Ion: 78 Resp: 72191
Ion Ratio Lower Upper
78 100
77 26.4 18.4 27.6





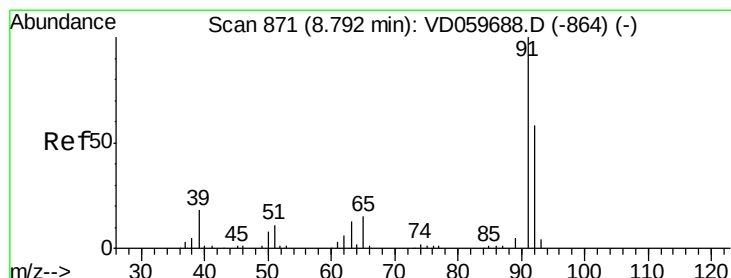
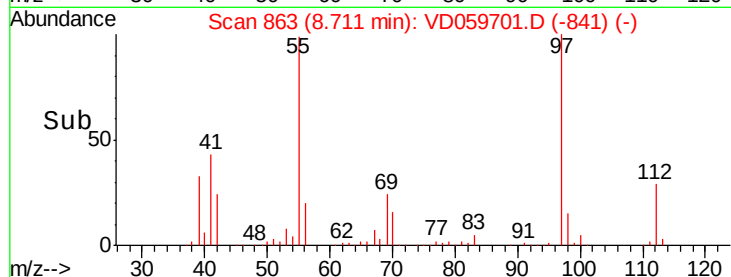
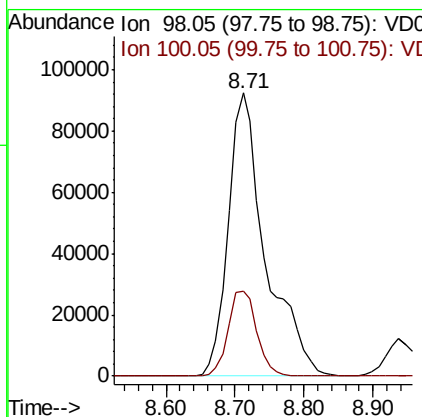
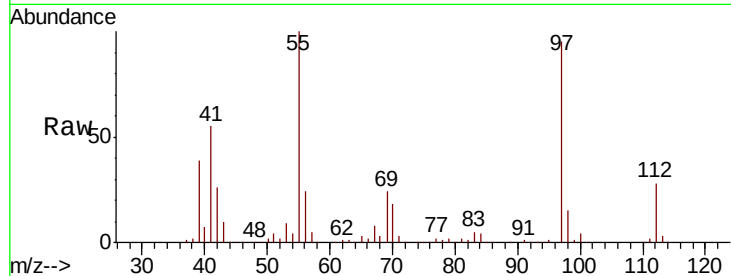
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 863
Delta R.T. 0.02 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Instrument :
MSVOA_D
ClientSampled :
TP-5

Tot Ion: 98 Resp: 345452
Ion Ratio Lower Upper
98 100
100 30.2 52.5 78.7#

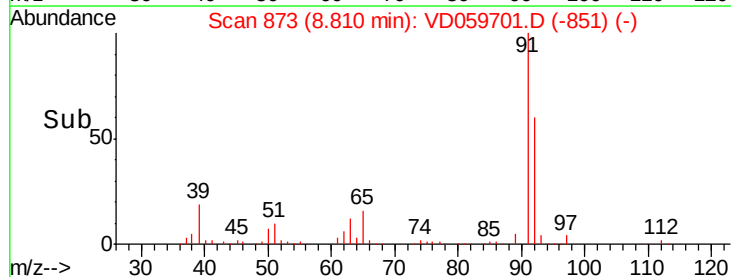
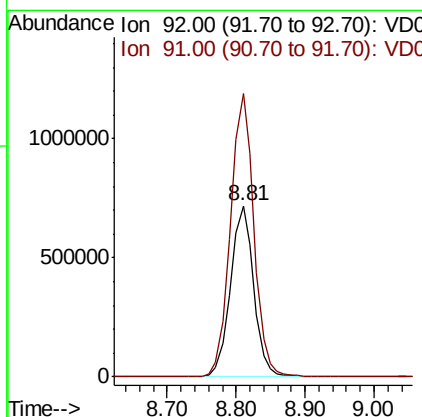
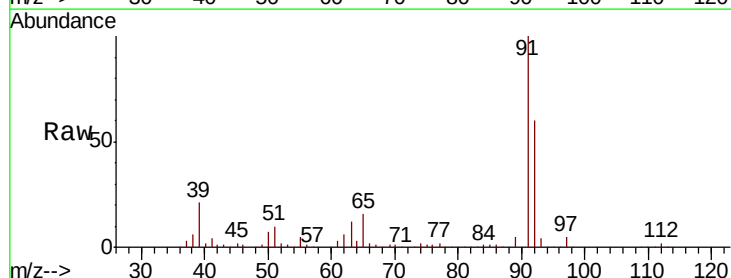
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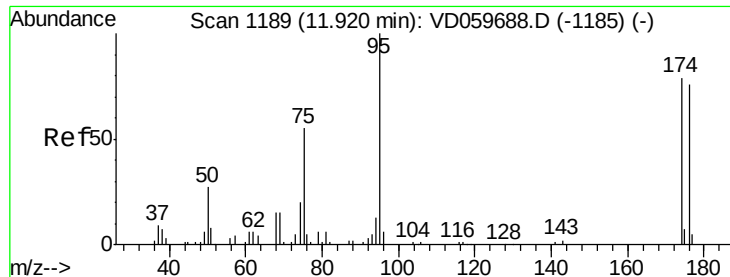
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#52
Toluene
Concen: 530.22 ug/l
RT: 8.81 min Scan# 873
Delta R.T. 0.02 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Tgt Ion: 92 Resp: 1662514
Ion Ratio Lower Upper
92 100
91 165.7 137.0 205.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059701.D

Acq: 7 Aug 2018 13:26

Instrument :

MSVOA_D

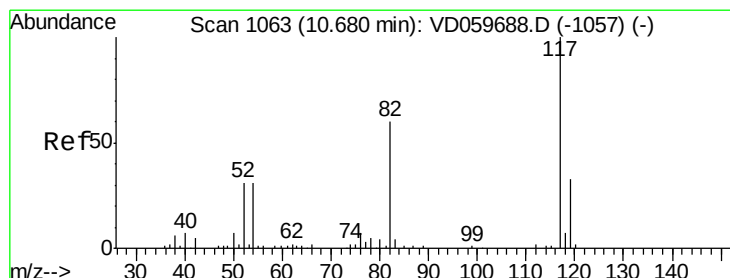
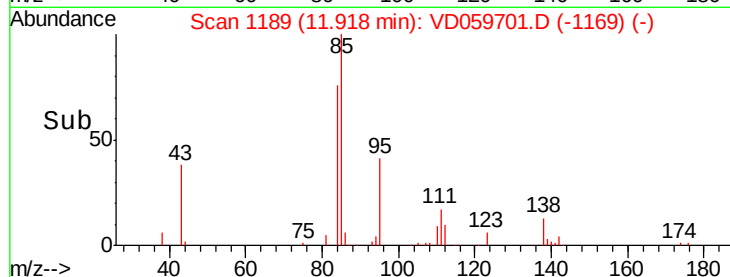
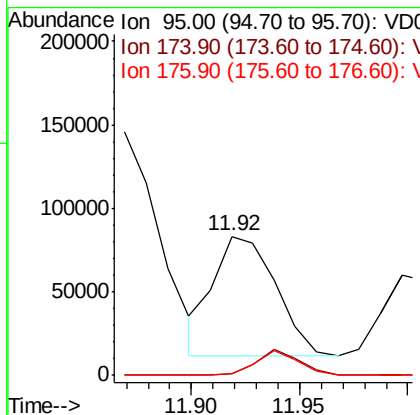
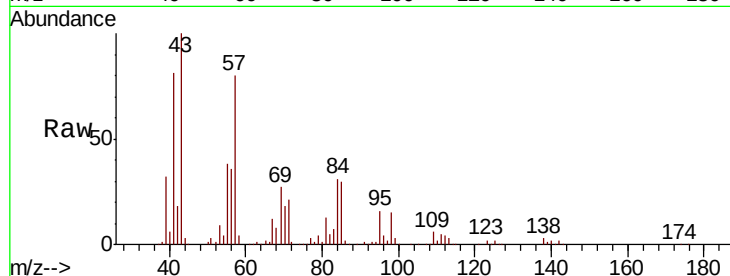
ClientSampled :

TP-5

Tot Ion:	95	Resp:	144421
Ion Ratio	Lower	Upper	
95	100		
174	0.8	0.0	158.4
176	0.9	0.0	153.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

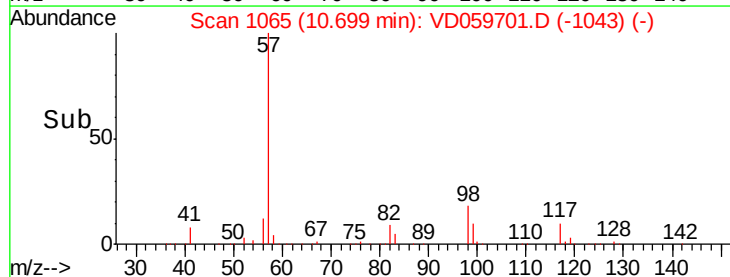
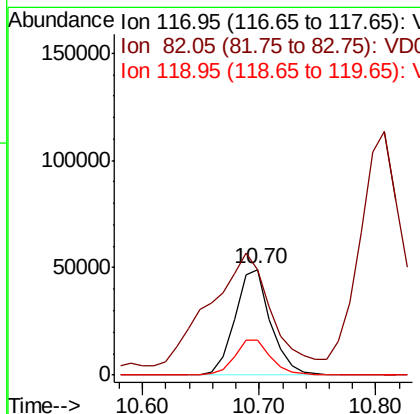
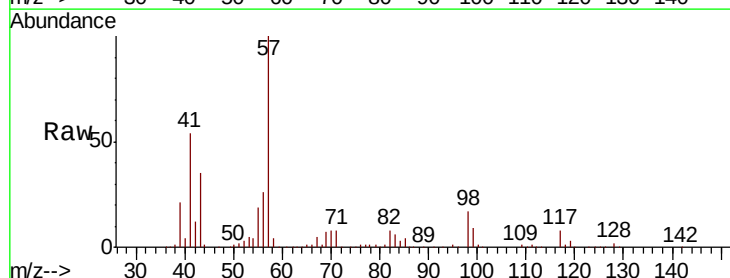
RT: 10.70 min Scan# 1065

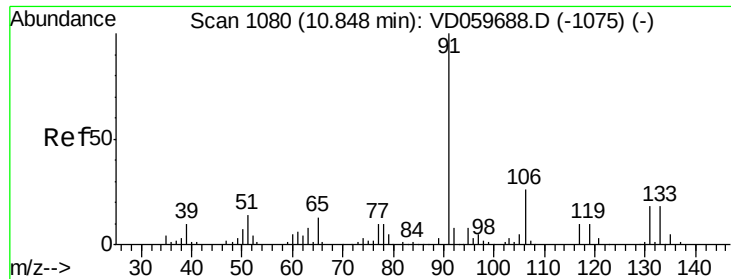
Delta R.T. 0.02 min

Lab File: VD059701.D

Acq: 7 Aug 2018 13:26

Tgt Ion:	117	Resp:	104033
Ion Ratio	Lower	Upper	
117	100		
82	99.0	47.7	71.5#
119	33.5	26.6	40.0





#67

Ethyl Benzene

Concen: 687.35 ug/l

RT: 10.87 min Scan# 1082

Delta R.T. 0.02 min

Lab File: VD059701.D

Acq: 7 Aug 2018 13:26

Instrument :

MSVOA_D

ClientSampled :

TP-5

Tot Ion: 91 Resp: 2713804

Ion Ratio Lower Upper

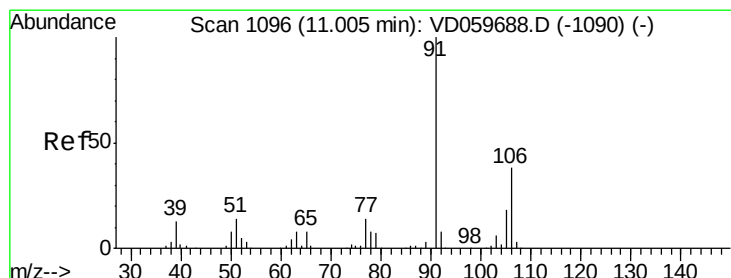
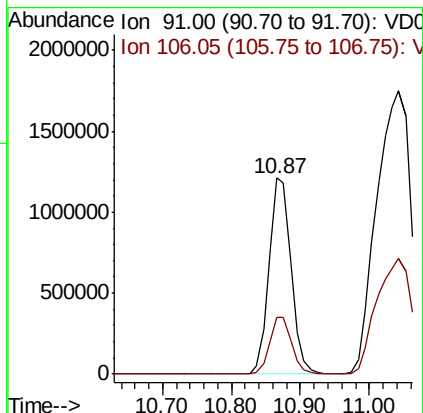
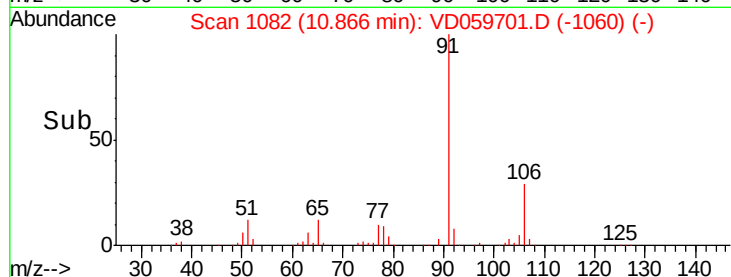
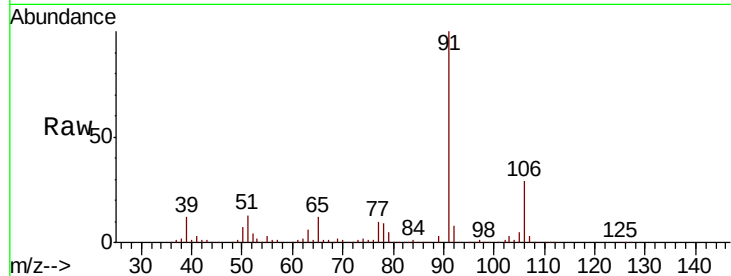
91 100

106 28.7 20.9 31.3

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#68

m/p-Xylenes

Concen: 1921.69 ug/l

RT: 11.04 min Scan# 1100

Delta R.T. 0.04 min

Lab File: VD059701.D

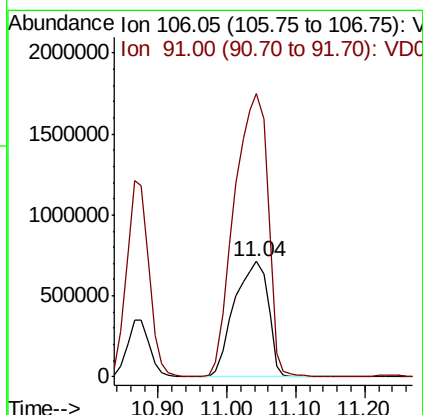
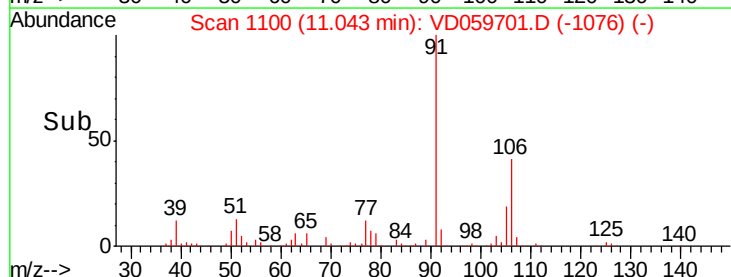
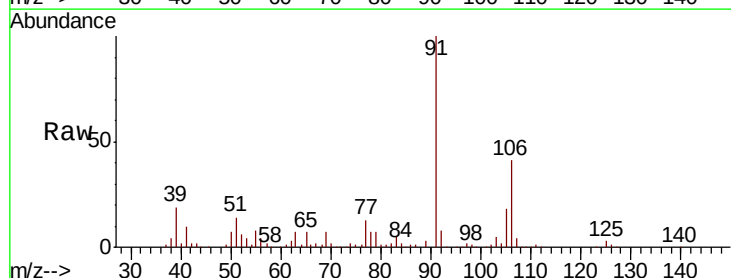
Acq: 7 Aug 2018 13:26

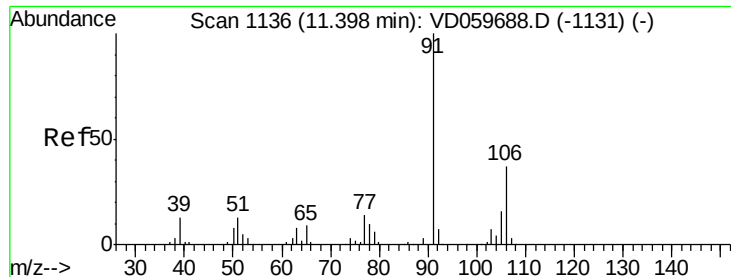
Tgt Ion: 106 Resp: 2427139

Ion Ratio Lower Upper

106 100

91 245.8 209.7 314.5





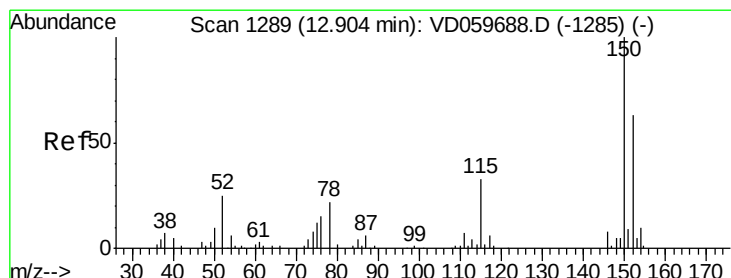
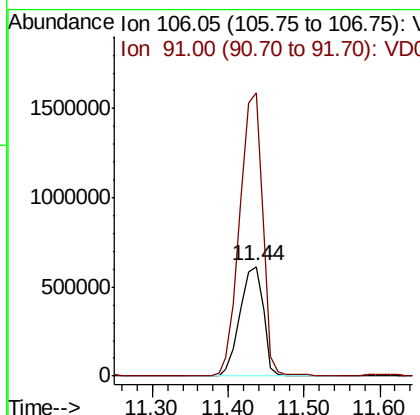
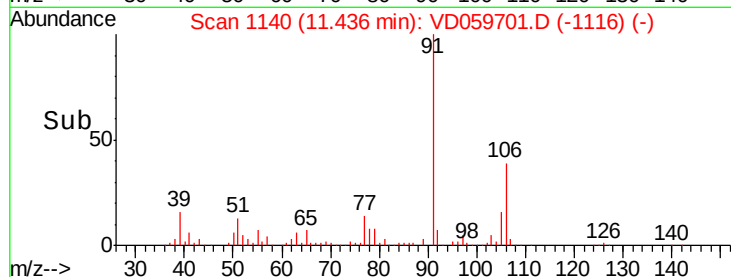
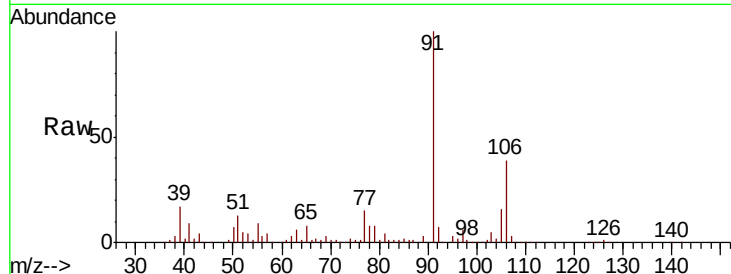
#69
o-Xylene
Concen: 1065.05 ug/l
RT: 11.44 min Scan# 1140
Delta R.T. 0.04 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Instrument :
MSVOA_D
ClientSampled :
TP-5

Tot Ion:106 Resp: 1307738
Ion Ratio Lower Upper
106 100
91 258.5 135.2 405.6

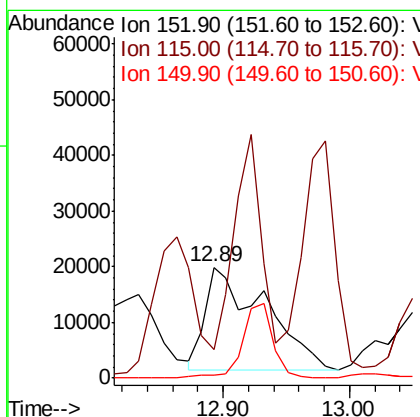
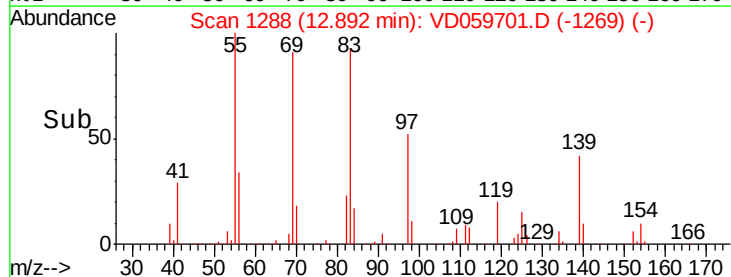
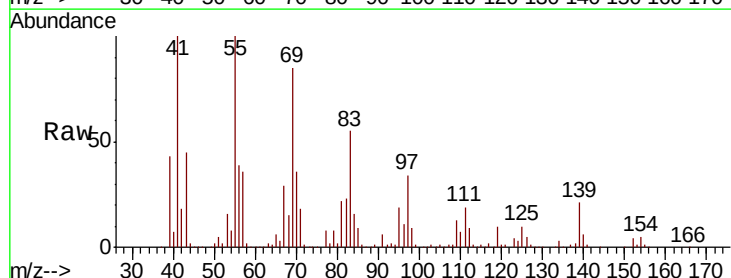
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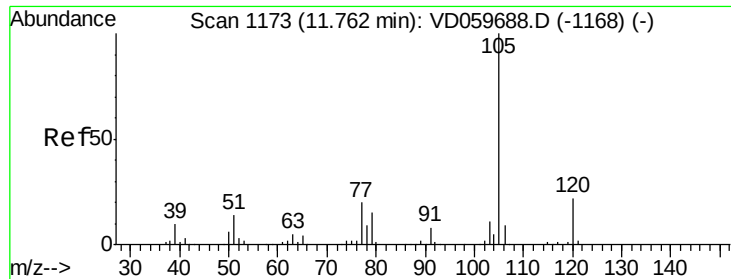
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.89 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059701.D
Acq: 7 Aug 2018 13:26

Tgt Ion:152 Resp: 60752
Ion Ratio Lower Upper
152 100
115 26.2 28.8 86.4#
150 3.0 0.0 318.0





#73

Isopropylbenzene

Concen: 337.42 ug/l

RT: 11.79 min Scan# 1176

Delta R.T. 0.03 min

Lab File: VD059701.D

Acq: 7 Aug 2018 13:26

Instrument :

MSVOA_D

ClientSampled :

TP-5

Tot Ion:105 Resp: 1377633

Ion Ratio Lower Upper

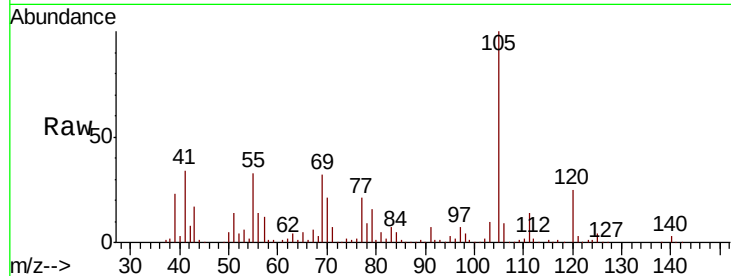
105 100

120 25.3 10.8 32.3

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.79

800000

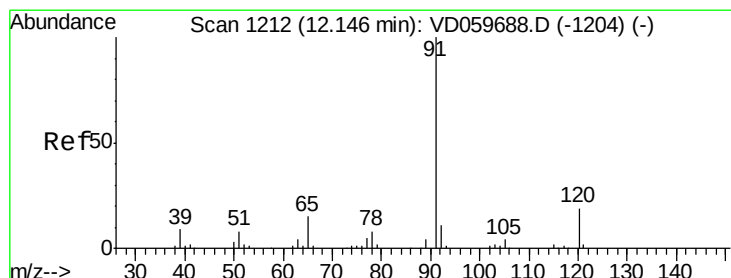
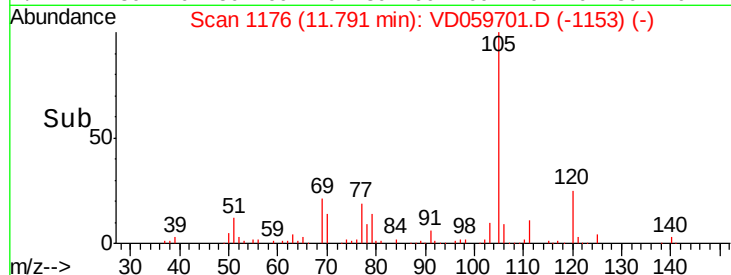
600000

400000

200000

0

Time-->



#78

n-propylbenzene

Concen: 589.56 ug/l

RT: 12.17 min Scan# 1215

Delta R.T. 0.03 min

Lab File: VD059701.D

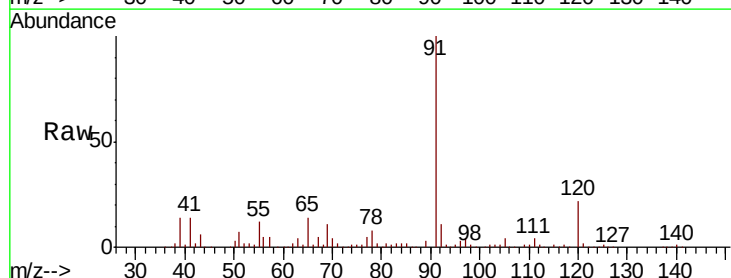
Acq: 7 Aug 2018 13:26

Tgt Ion: 91 Resp: 2982967

Ion Ratio Lower Upper

91 100

120 21.9 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

12.17

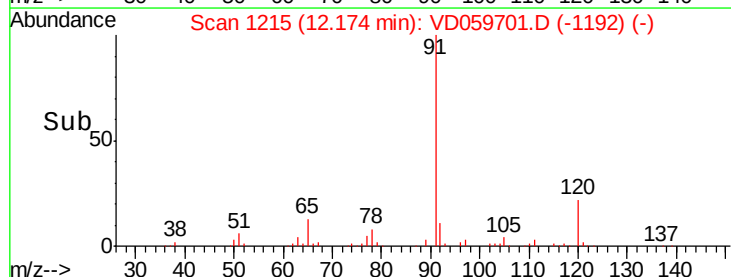
1500000

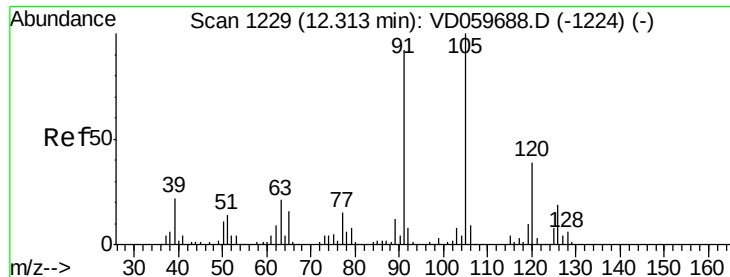
1000000

500000

0

Time-->





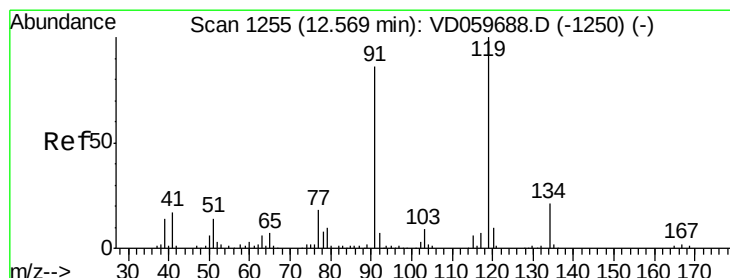
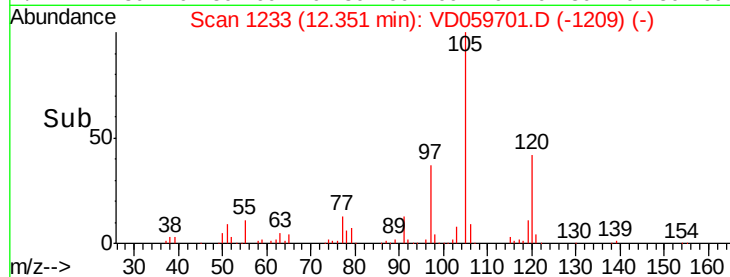
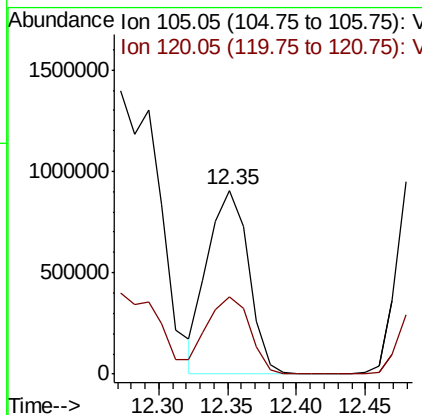
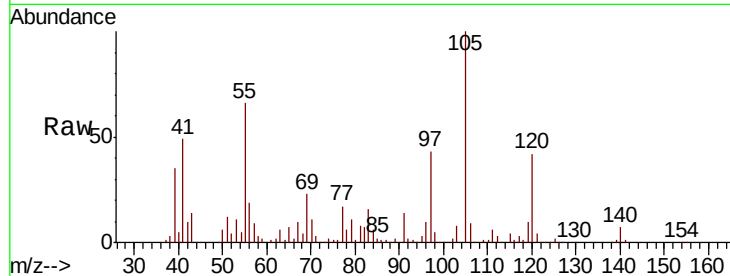
#80
 1,3,5-Trimethylbenzene
 Concen: 549.35 ug/l
 RT: 12.35 min Scan# 1233
 Delta R.T. 0.04 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

Tot Ion:105 Resp: 1868316
 Ion Ratio Lower Upper
 105 100
 120 42.3 19.7 59.1

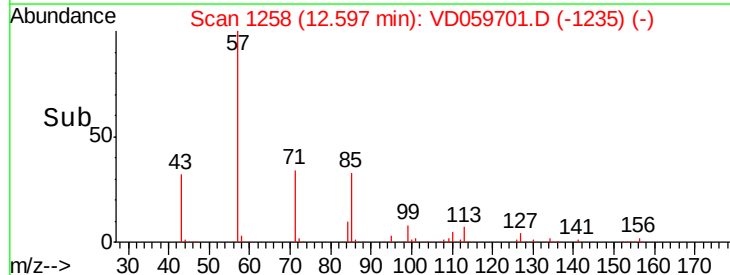
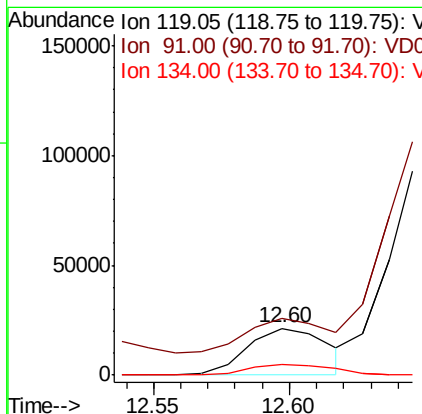
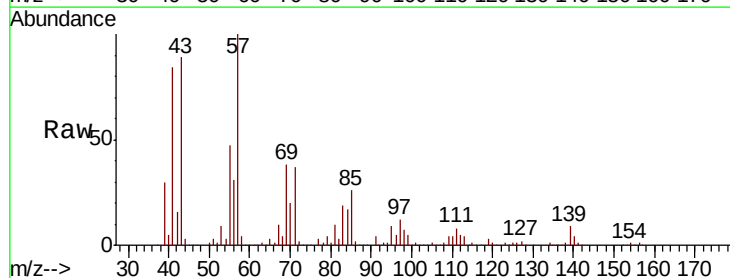
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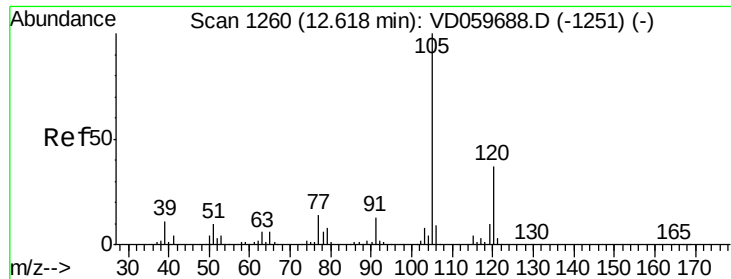
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#83
 tert-Butylbenzene
 Concen: 11.34 ug/l m
 RT: 12.60 min Scan# 1258
 Delta R.T. 0.03 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Tgt Ion:119 Resp: 43160
 Ion Ratio Lower Upper
 119 100
 91 122.5 43.3 129.9
 134 21.8 10.5 31.6





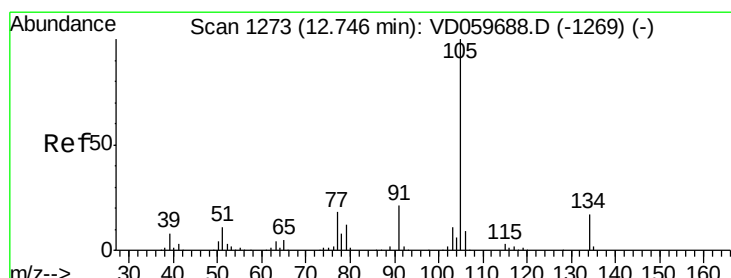
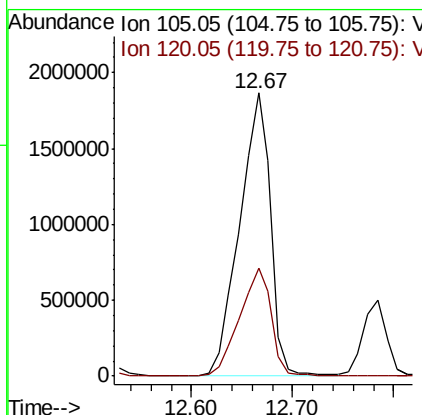
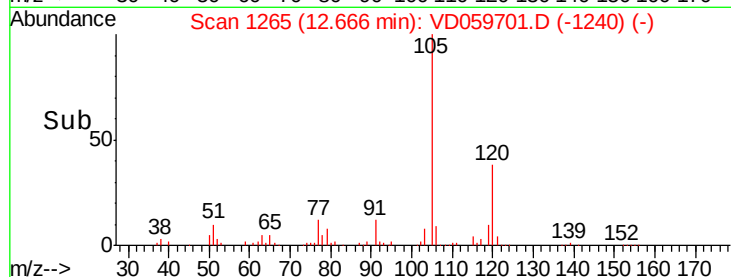
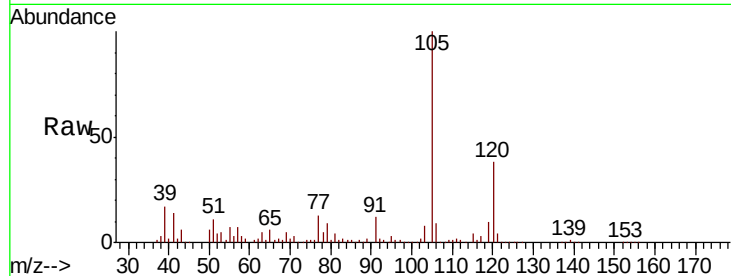
#84
 1,2,4-Trimethylbenzene
 Concen: 1099.00 ug/l
 RT: 12.67 min Scan# 1265
 Delta R.T. 0.05 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

Tot Ion:105 Resp: 3961013
 Ion Ratio Lower Upper
 105 100
 120 38.3 18.7 56.1

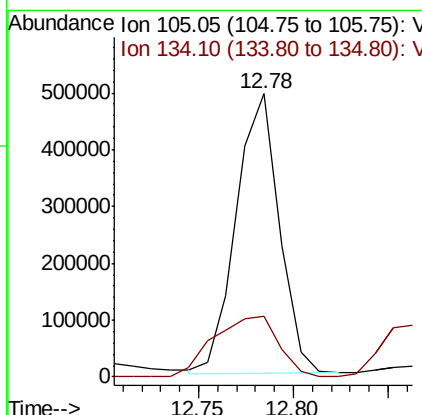
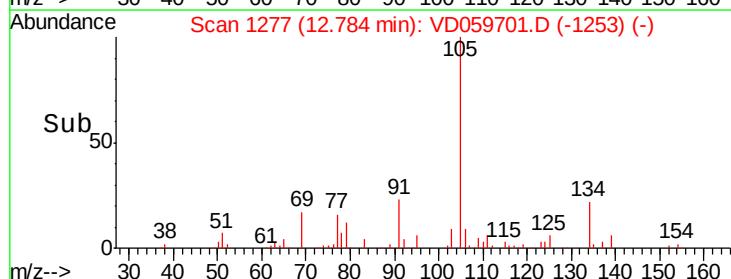
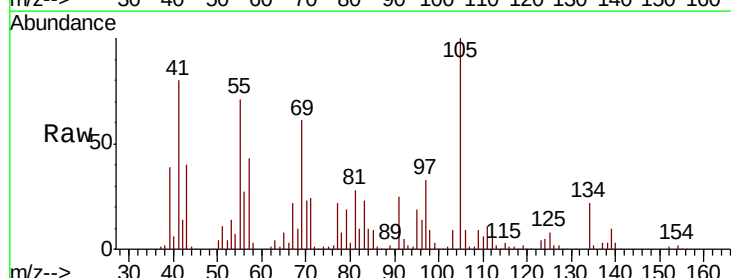
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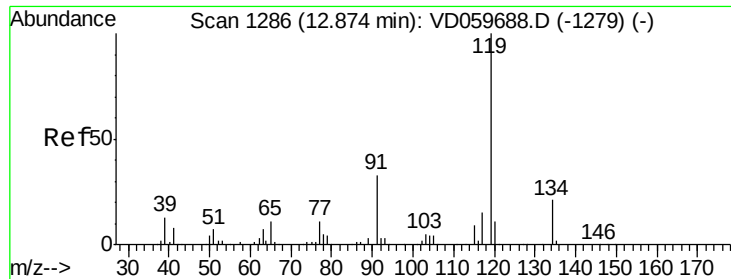
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#85
 sec-Butylbenzene
 Concen: 183.07 ug/l
 RT: 12.78 min Scan# 1277
 Delta R.T. 0.04 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Tgt Ion:105 Resp: 773913
 Ion Ratio Lower Upper
 105 100
 134 21.6 8.3 24.9





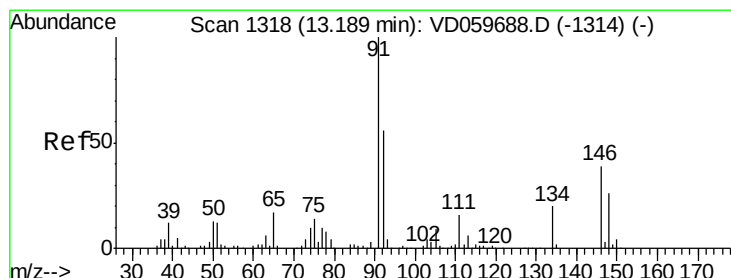
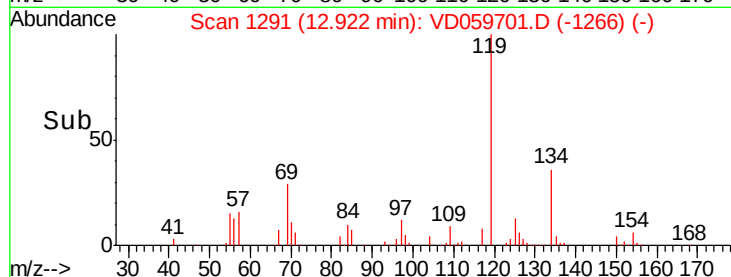
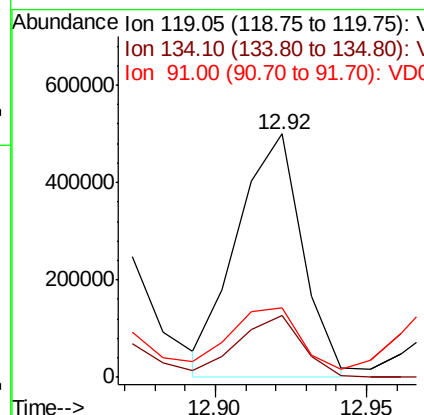
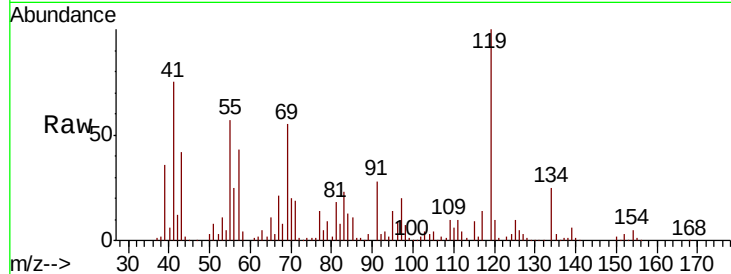
#86
 p-Isopropyltoluene
 Concen: 207.56 ug/l m
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.05 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	10.7	32.1
91	28.3	16.6	49.7

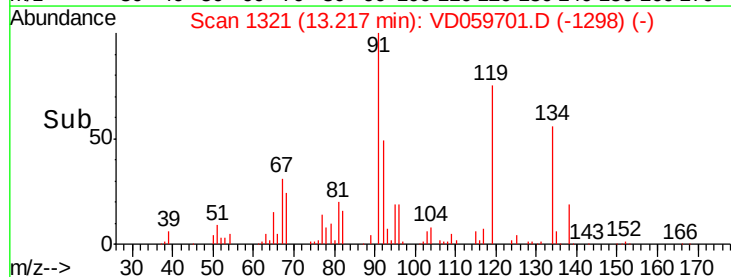
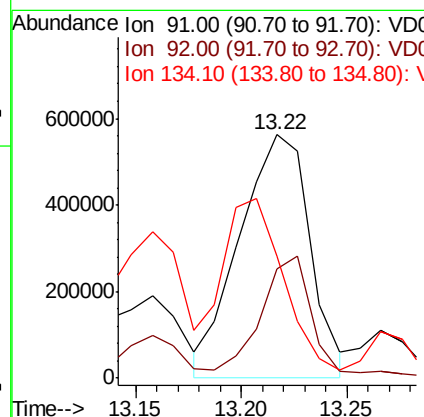
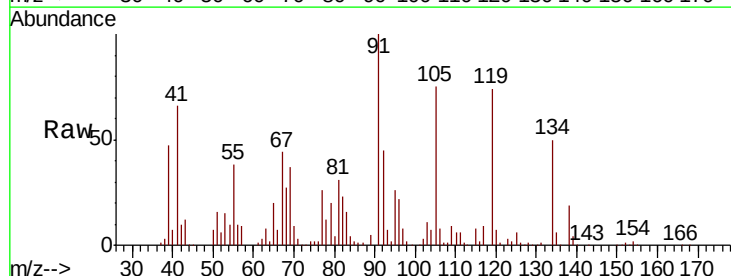
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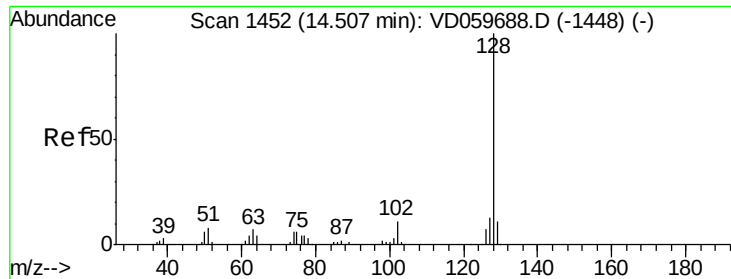
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#89
 n-Butylbenzene
 Concen: 355.53 ug/l m
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.03 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.8	28.2	84.6
134	50.0	9.8	29.5#





#95
 Naphthalene
 Concen: 159.33 ug/l
 RT: 14.52 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: VD059701.D
 Acq: 7 Aug 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	367152		
127	13.7		10.6	16.0
129	11.7		8.8	13.2

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