

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059890.D
 Acq On : 23 Aug 2018 16:07
 Operator : JC/SY
 Sample : J4559-07RE
 Misc : 5.10a/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-125-051RE

Manual Integrations
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 8/24/2018 3:09:27 PM

Quant Time: Aug 24 05:49:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	726102	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1102155	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	581552	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	158330	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	451038	73.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	147.40%	
35) Dibromofluoromethane	6.31	113	508797	58.88	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.76%	
50) Toluene-d8	9.45	98	918593	38.30	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	76.60%	
62) 4-Bromofluorobenzene	12.42	95	243067	24.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	49.92%	
Target Compounds						
					Qvalue	
16) Acetone	3.14	43	32108	28.80	ug/l	98
17) Carbon Disulfide	3.30	76	12181	1.54	ug/l #	94
20) Methylene Chloride	3.70	84	58633	4.49	ug/l	96
25) 2-Butanone	5.61	43	23099	6.99	ug/l	98
31) Cyclohexane	6.40	56	22107	1.90	ug/l #	1
39) Methylcyclohexane	8.03	83	18452	1.71	ug/l #	83
51) 4-Methyl-2-Pentanone	9.33	43	21089	2.80	ug/l	99
67) Ethyl Benzene	11.43	91	178389	9.18	ug/l	97
68) m/p-Xylenes	11.56	106	447515	63.22	ug/l	92
69) o-Xylene	11.93	106	43672	6.31	ug/l	88
73) Isopropylbenzene	12.27	105	65695	6.50	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	66975	28.65	ug/l #	51
78) n-propylbenzene	12.64	91	22463	1.76	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	37745	4.70	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	90445	10.80	ug/l	100
85) sec-Butylbenzene	13.22	105	63576	5.91	ug/l	96
86) p-Isopropyltoluene	13.34	119	32152	3.67	ug/l	92
89) n-Butylbenzene	13.64	91	33446m	2.53	ug/l	
95) Naphthalene	14.96	128	22173	3.98	ug/l #	82

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

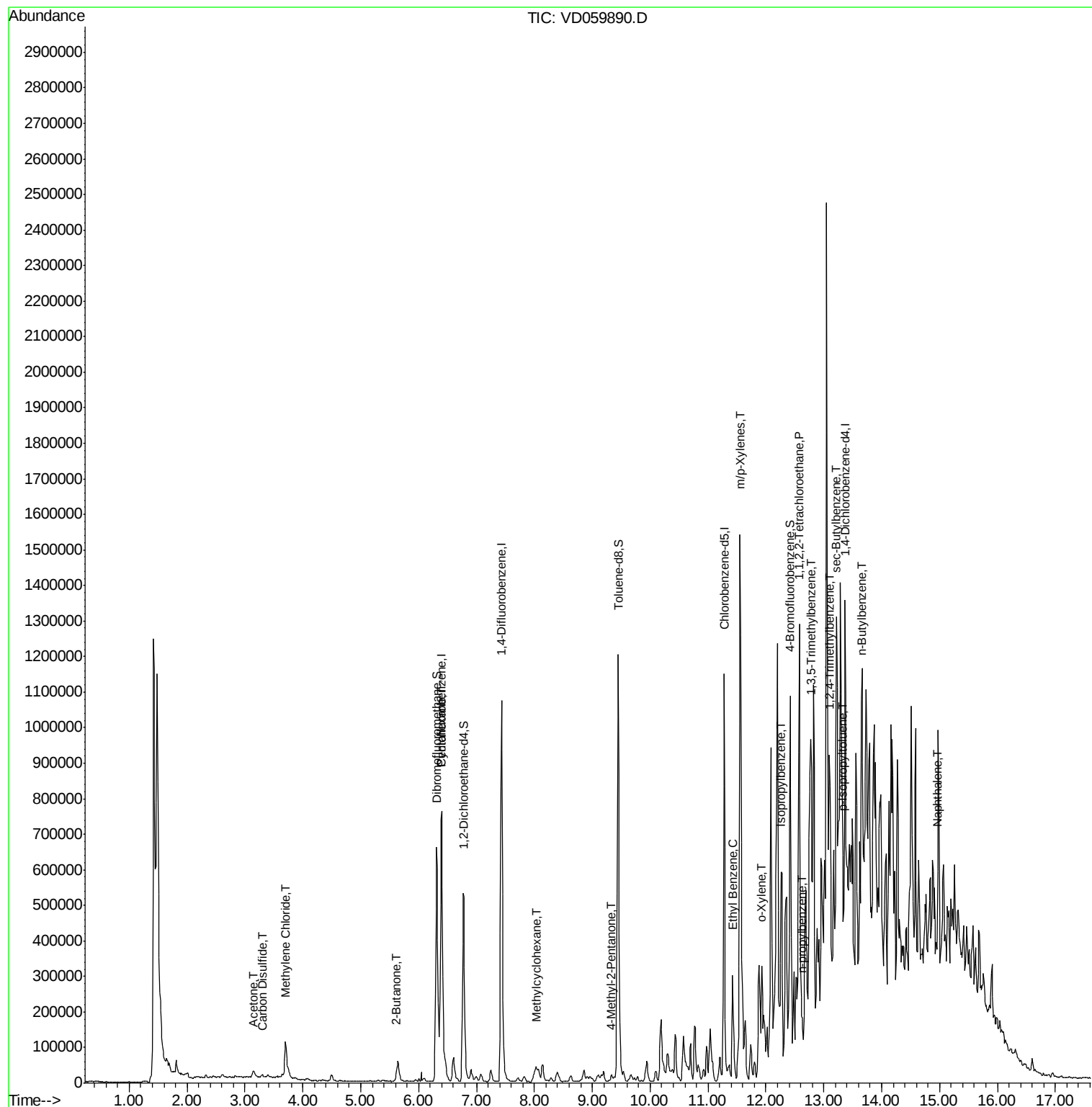
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082318\
Data File : VD059890.D
Acq On : 23 Aug 2018 16:07
Operator : JC/SY
Sample : J4559-07RE
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ALS Vial : 11 Sample Multiplier: 1

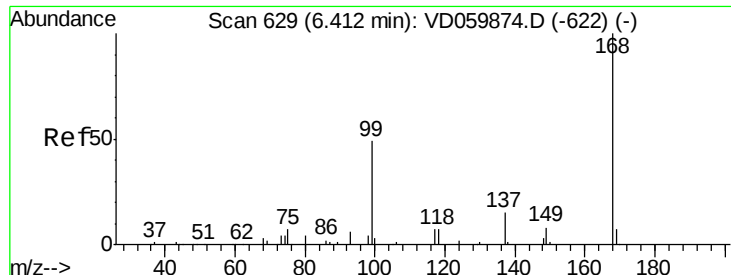
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

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Quant Time: Aug 24 05:49:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 627

Delta R.T. -0.01 min

Lab File: VD059890.D

Acq: 23 Aug 2018 16:07

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-125-051RE

Tot Ion:168 Resp: 726102

Ion Ratio Lower Upper

168 100

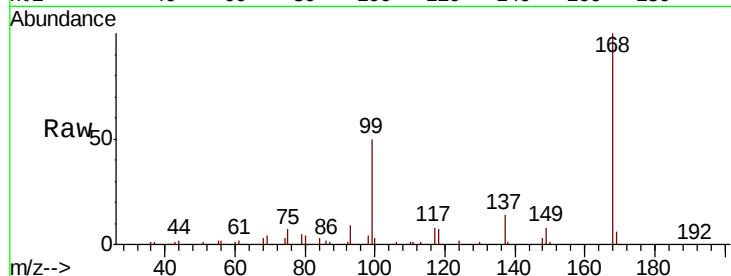
99 50.4 42.2 63.2

Manual Integrations

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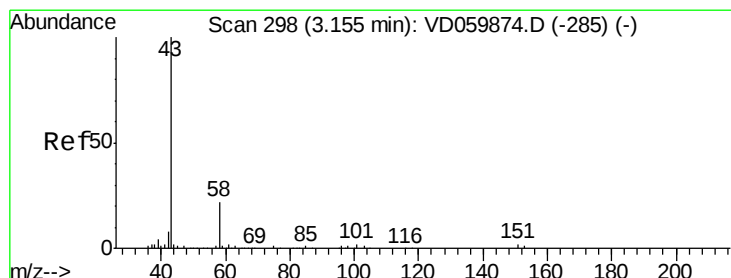
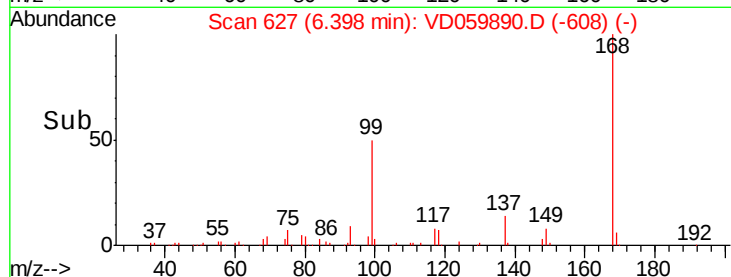
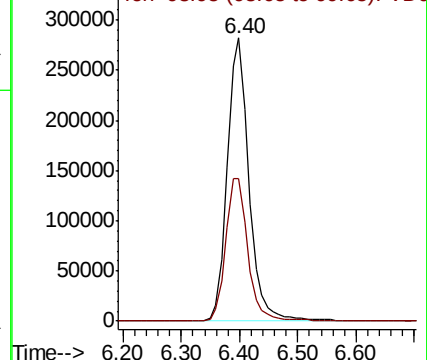
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 28.80 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.01 min

Lab File: VD059890.D

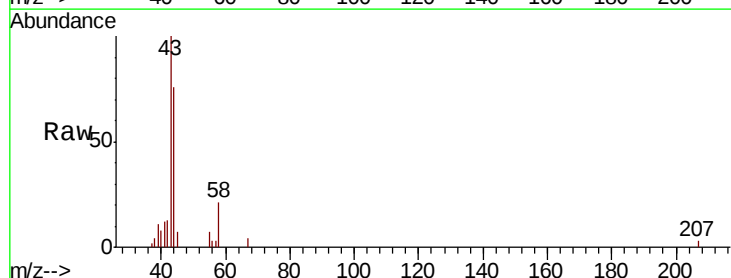
Acq: 23 Aug 2018 16:07

Tgt Ion: 43 Resp: 32108

Ion Ratio Lower Upper

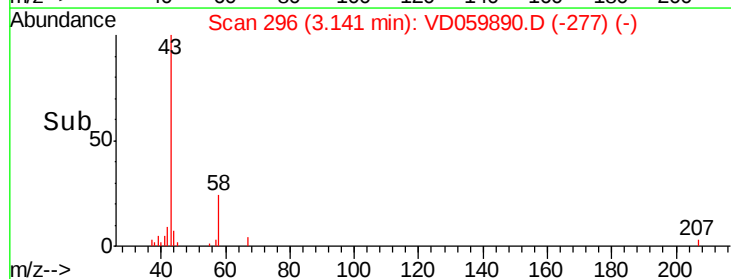
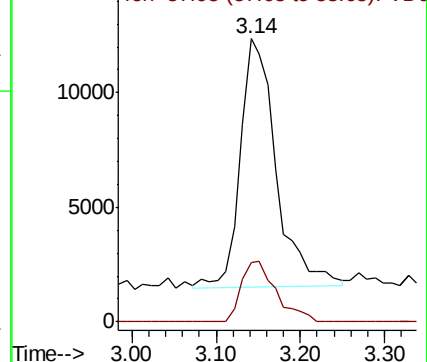
43 100

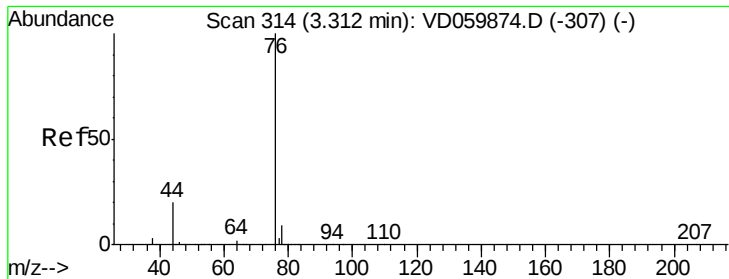
58 21.1 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





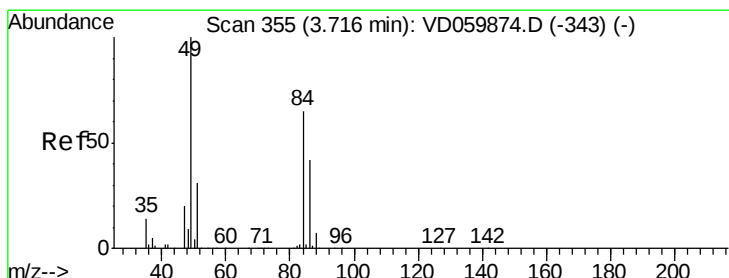
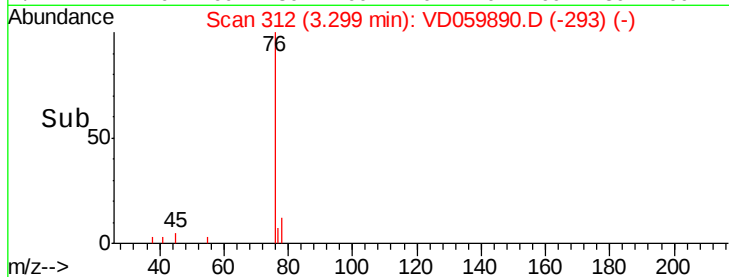
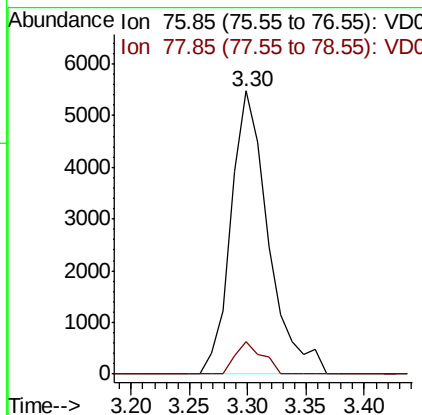
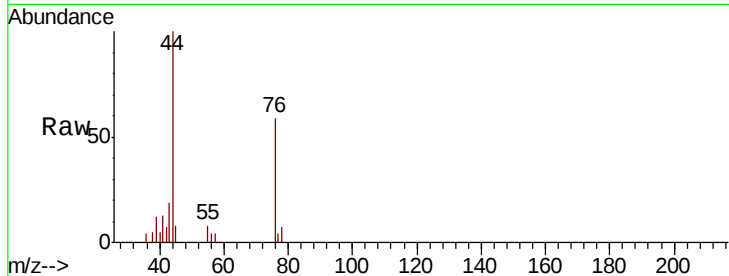
#17
Carbon Disulfide
Concen: 1.54 ug/l
RT: 3.30 min Scan# 312
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion: 76 Resp: 12181
Ion Ratio Lower Upper
76 100
78 11.6 7.4 11.2#

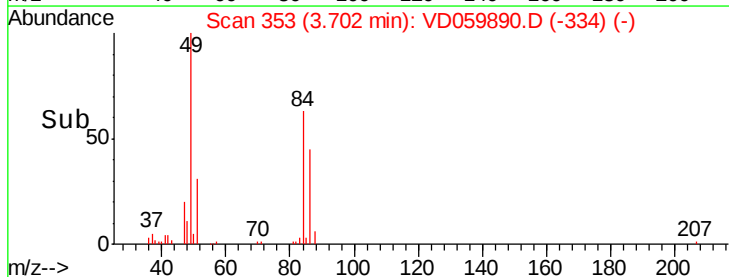
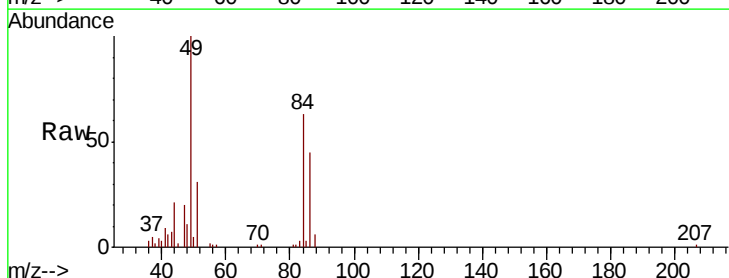
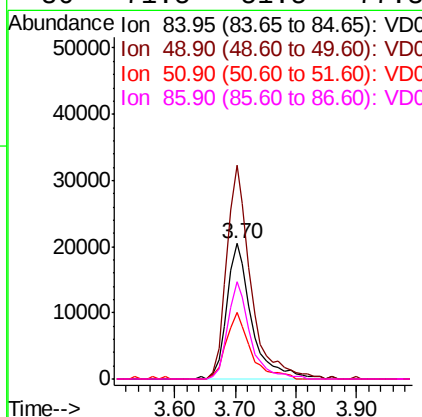
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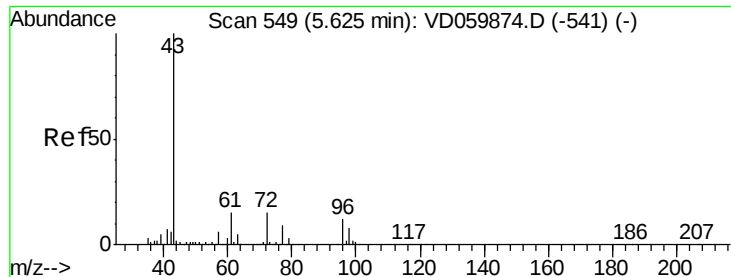
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#20
Methylene Chloride
Concen: 4.49 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion: 84 Resp: 58633
Ion Ratio Lower Upper
84 100
49 157.6 122.6 183.8
51 48.9 38.4 57.6
86 71.5 51.5 77.3





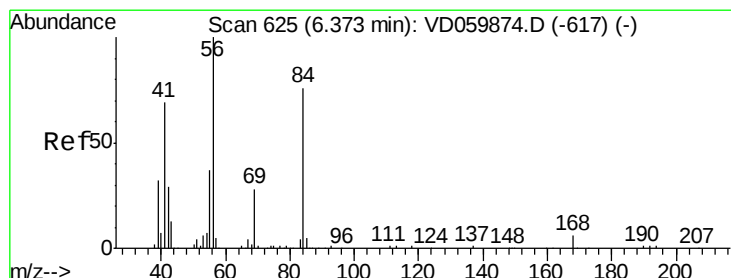
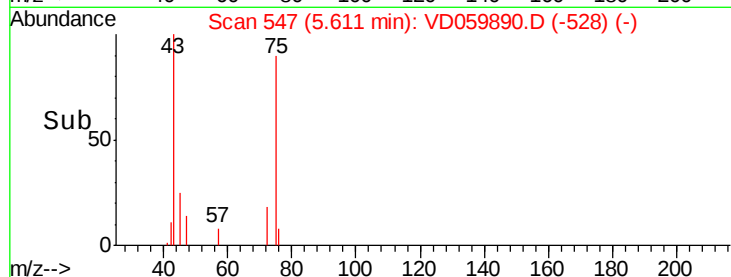
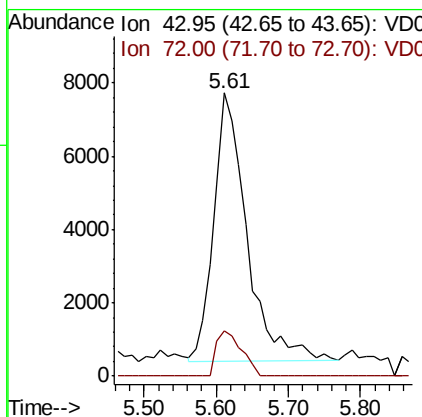
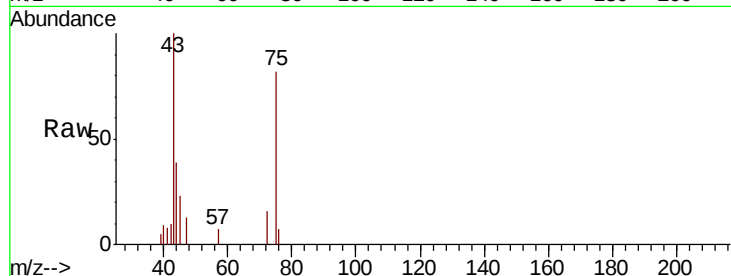
#25
2-Butanone
Concen: 6.99 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion	Ratio	Lower	Upper
43	100		
72	16.1	12.3	18.5

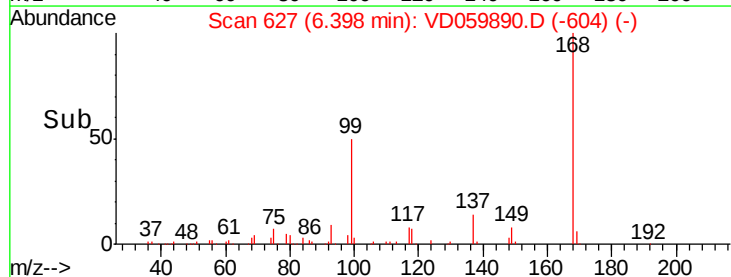
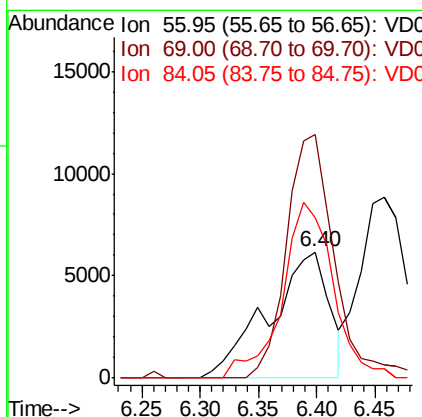
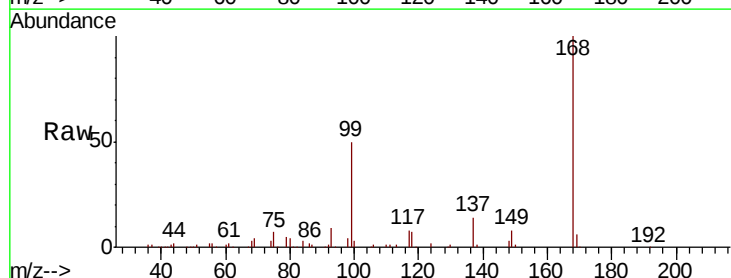
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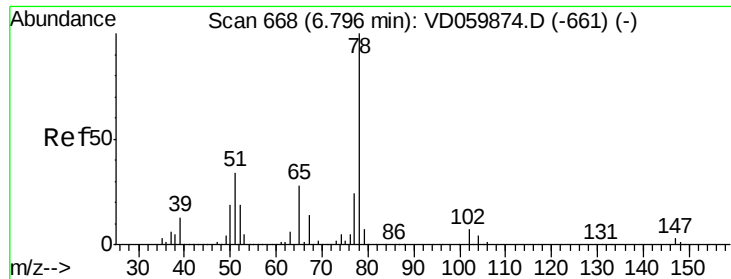
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#31
Cyclohexane
Concen: 1.90 ug/l
RT: 6.40 min Scan# 627
Delta R.T. 0.03 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	193.1	22.4	33.6#
84	127.2	62.1	93.1#





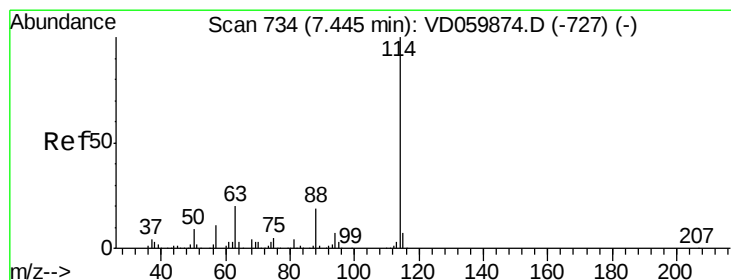
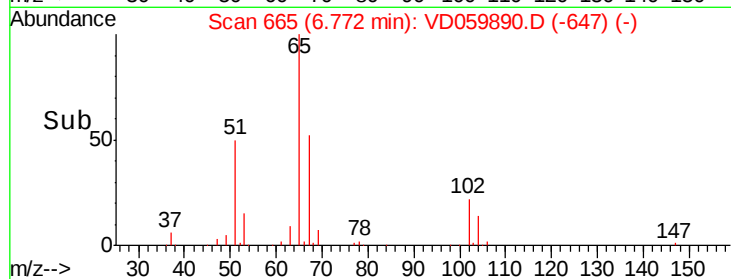
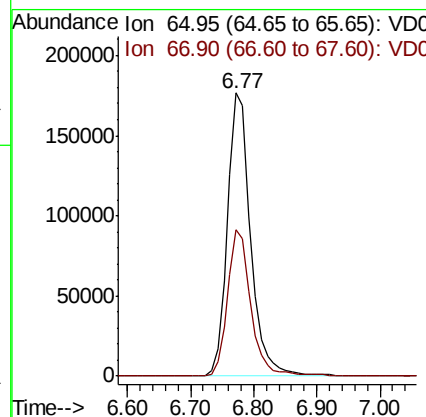
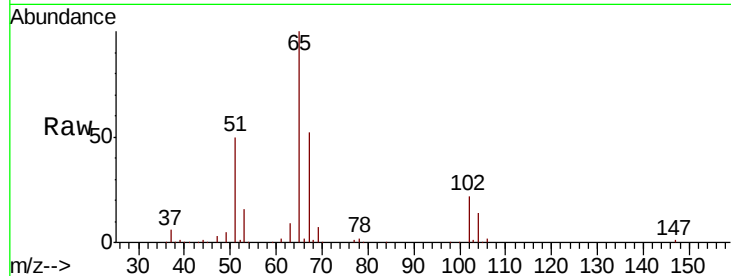
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: VD059890.D
 Acq: 23 Aug 2018 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-125-051RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	451038		
67	51.7	0.0	103.8	

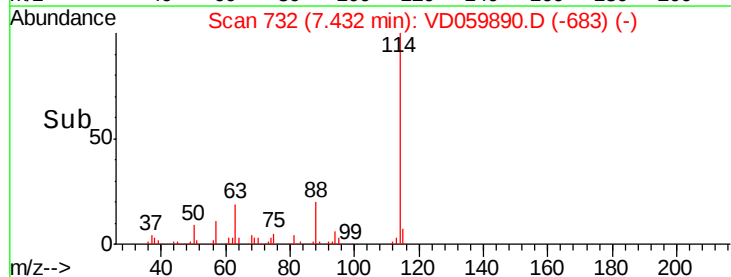
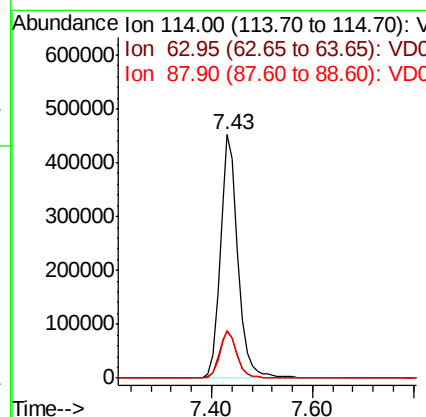
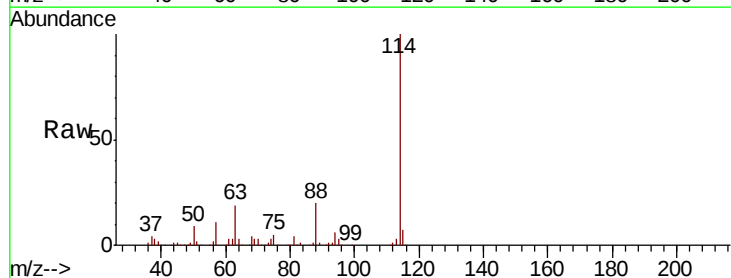
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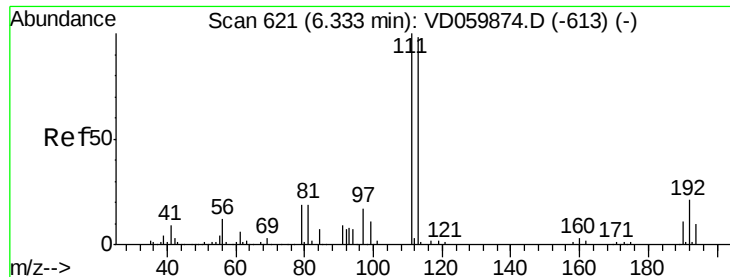
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: VD059890.D
 Acq: 23 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1102155		
63	19.1	0.0	39.4	
88	19.6	0.0	37.6	





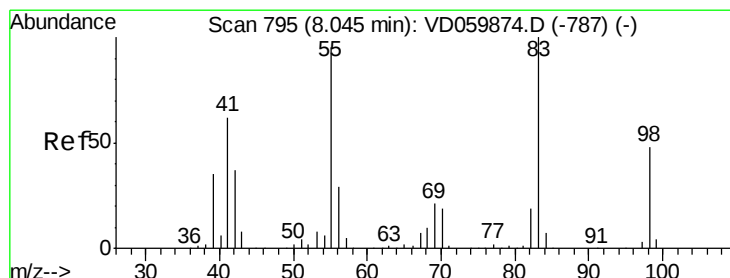
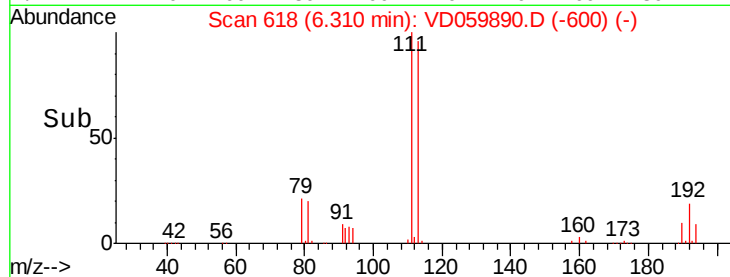
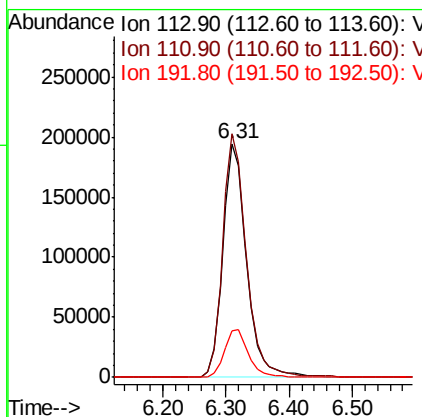
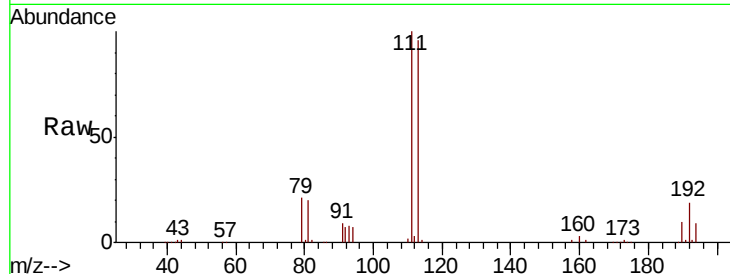
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.31 min Scan# 618
Delta R.T. -0.02 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion	Ratio	Resp	Lower	Upper
113	100	508797		
111	104.2		81.4	122.2
192	19.6		17.0	25.6

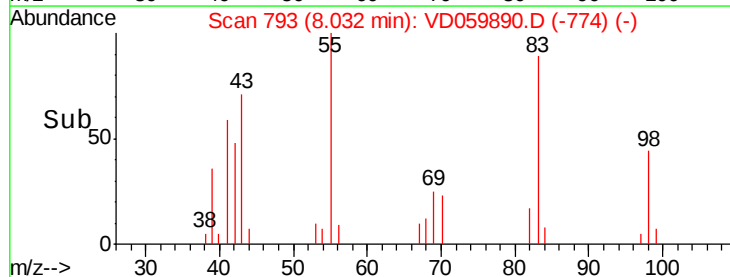
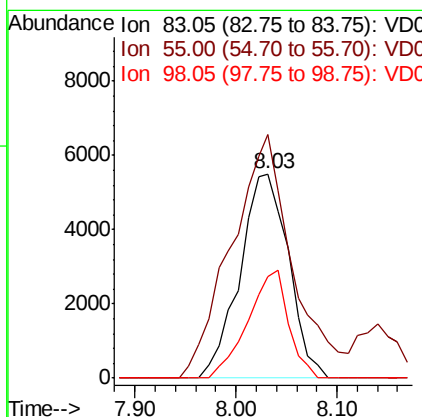
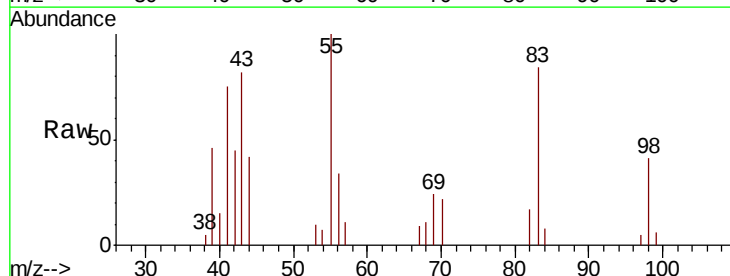
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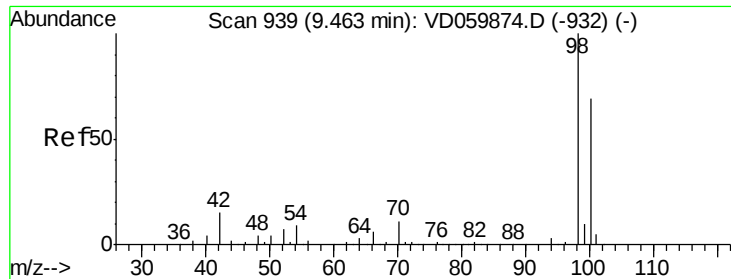
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#39
Methylcyclohexane
Concen: 1.71 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	18452		
55	119.0		75.8	113.6#
98	49.4		38.3	57.5





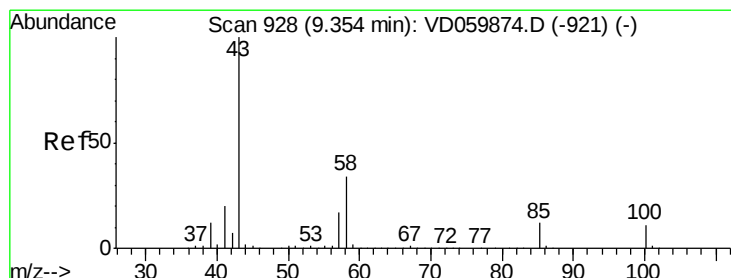
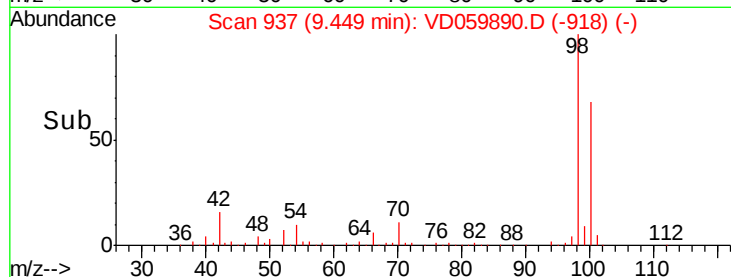
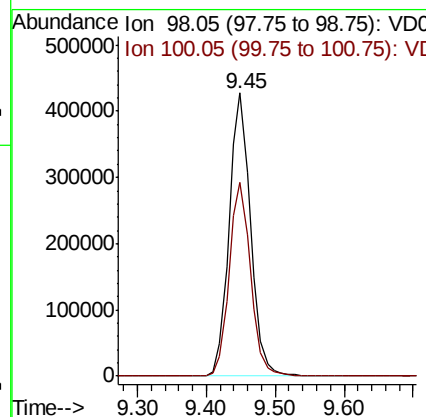
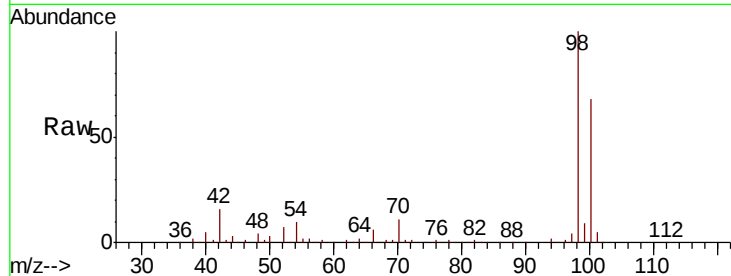
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 937
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion	98	100	Ratio	Lower	Upper
98	100				
100		68.4		55.8	83.6

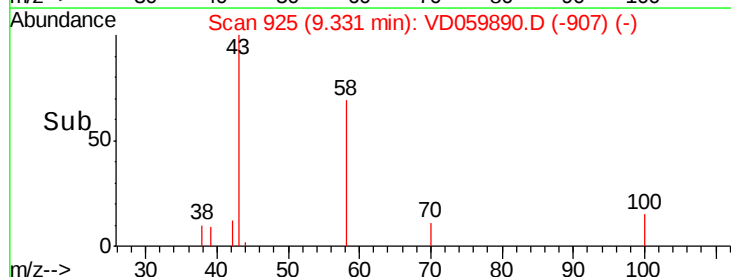
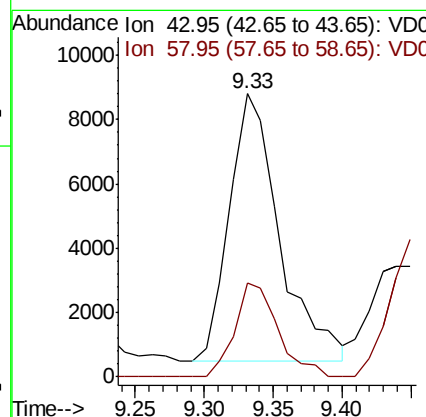
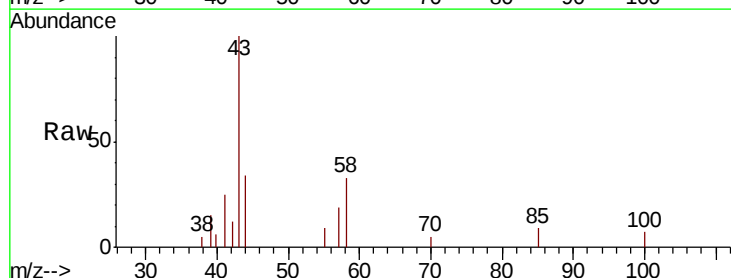
Manual Integrations
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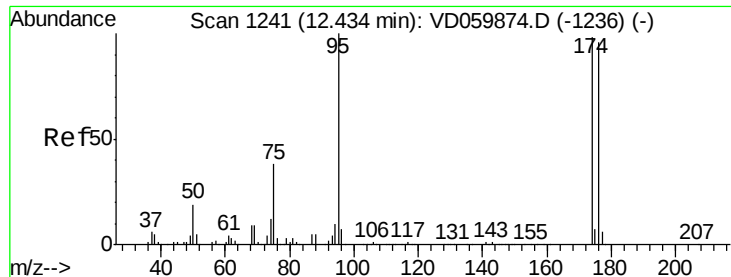
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#51
4-Methyl-2-Pentanone
Concen: 2.80 ug/l
RT: 9.33 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion	43	58	Ratio	Lower	Upper
43	100				
58		33.3		27.0	40.4





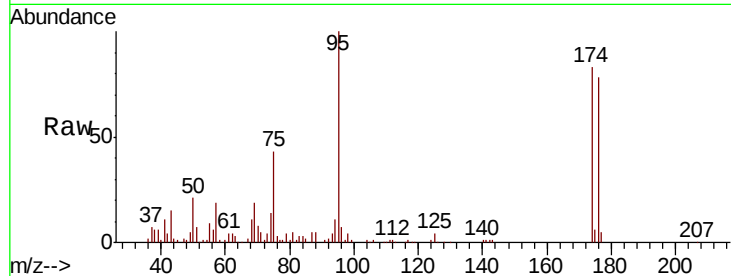
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion	Ratio	Resp	Lower	Upper
95	100	243067		
174	83.4	0.0	195.6	
176	78.1	0.0	191.2	

Manual Integrations
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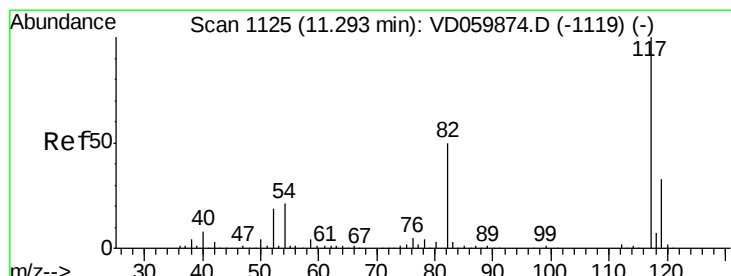
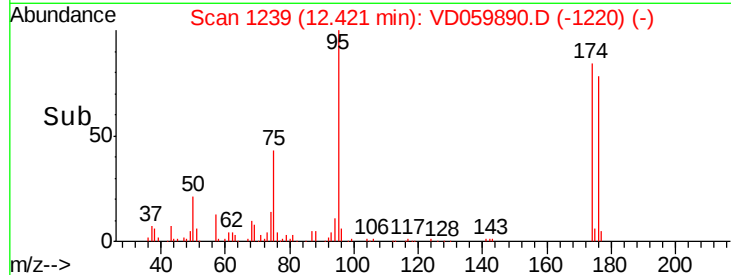
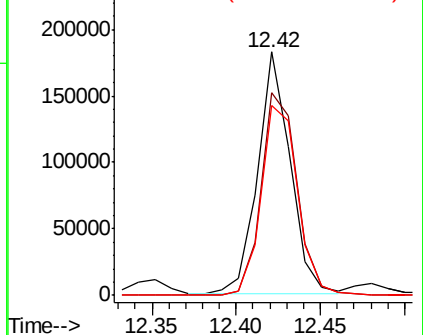


Abundance

Ion 95.00 (94.70 to 95.70): V

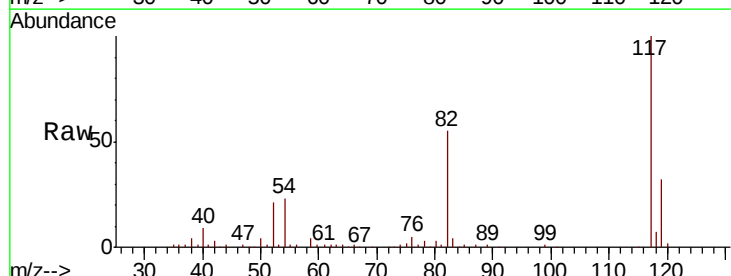
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	581552		
82	55.2	40.1	60.1	
119	31.6	26.7	40.1	

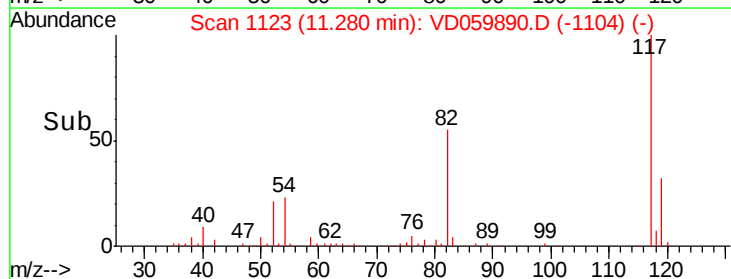
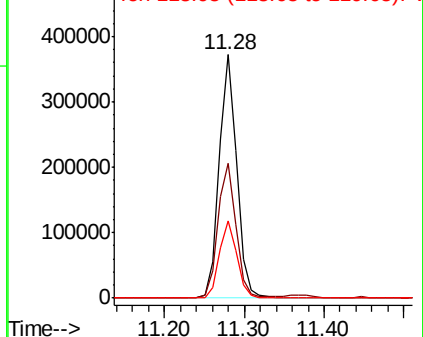


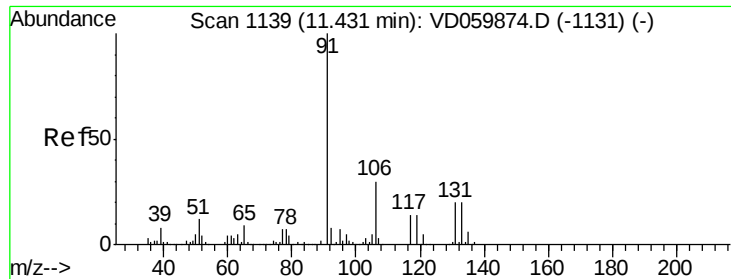
Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





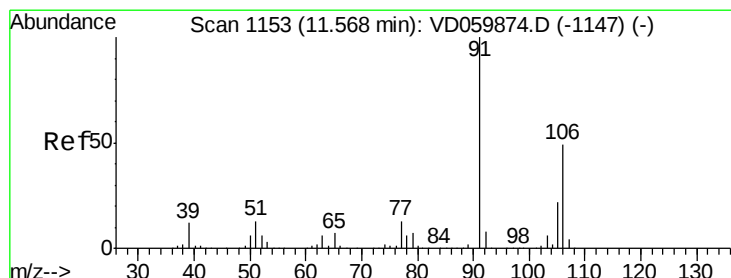
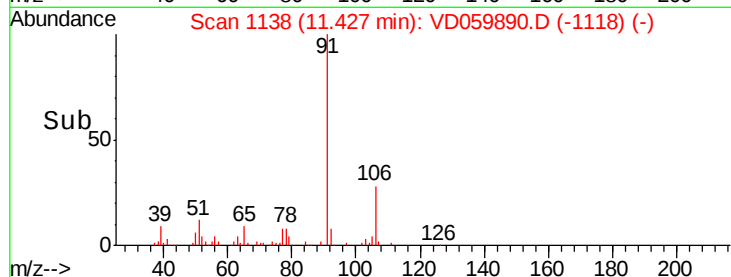
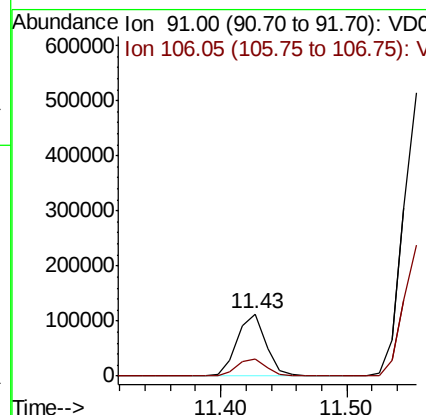
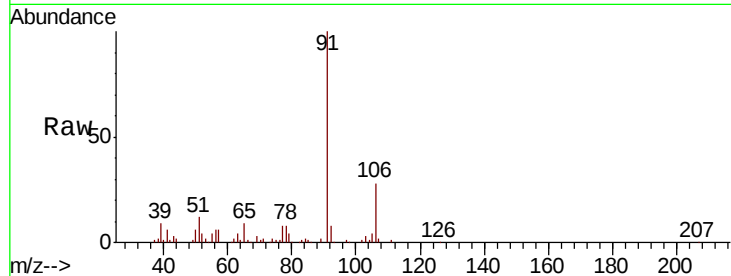
#67
Ethyl Benzene
Concen: 9.18 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion: 91 Resp: 178389
Ion Ratio Lower Upper
91 100
106 28.3 23.8 35.8

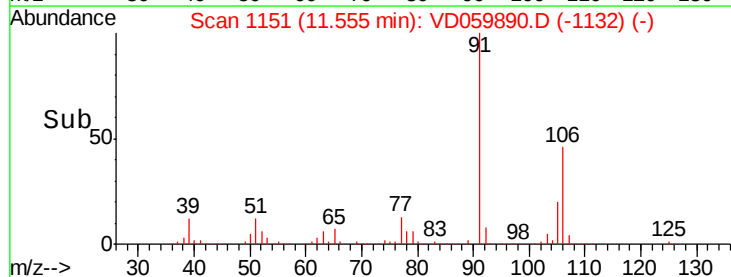
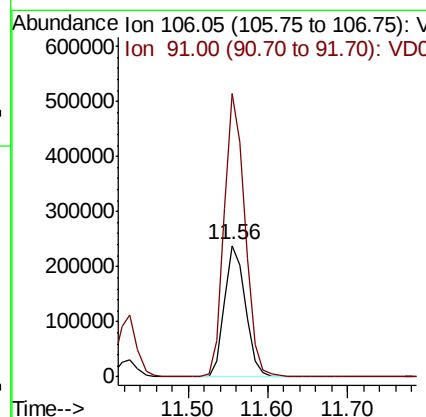
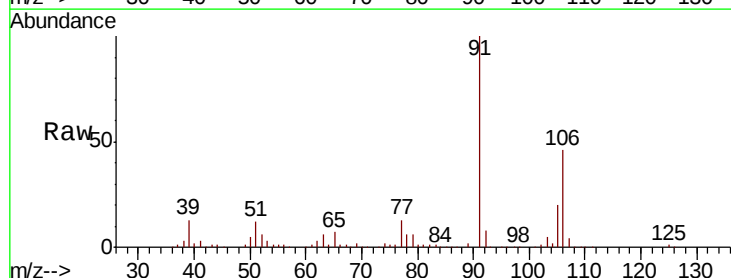
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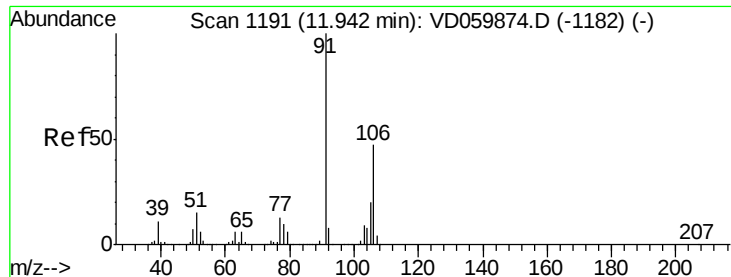
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#68
m/p-Xylenes
Concen: 63.22 ug/l
RT: 11.56 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion: 106 Resp: 447515
Ion Ratio Lower Upper
106 100
91 215.3 162.0 243.0





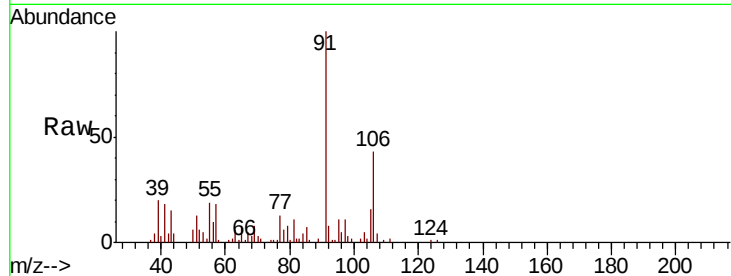
#69
o-Xylene
Concen: 6.31 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

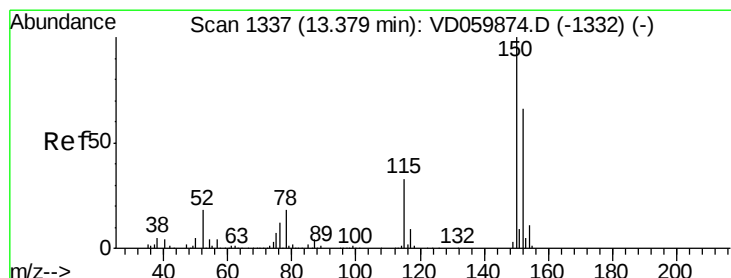
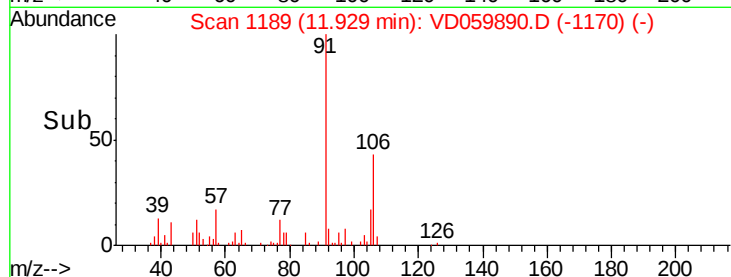
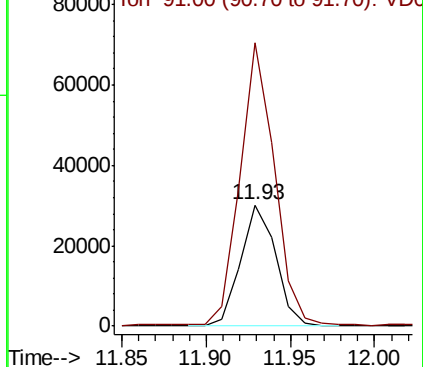
Tot Ion:106 Resp: 43672
Ion Ratio Lower Upper
106 100
91 233.6 107.3 322.0

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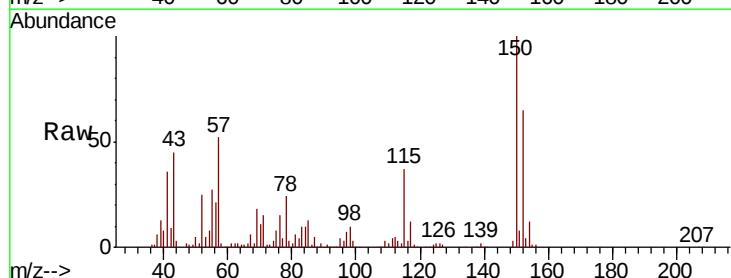


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

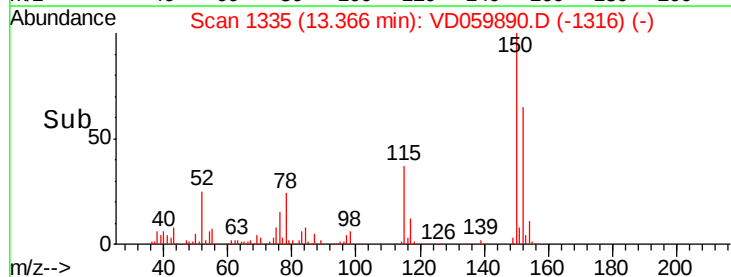
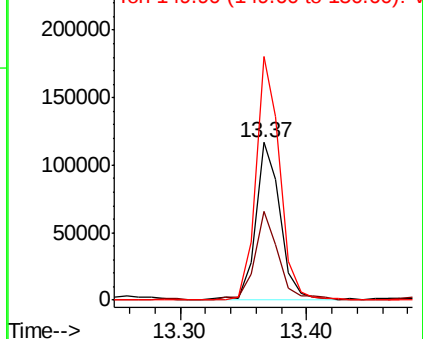


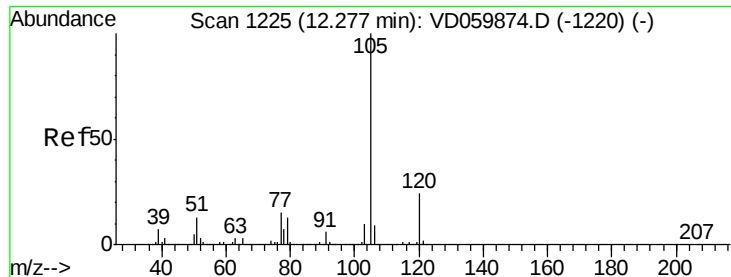
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion:152 Resp: 158330
Ion Ratio Lower Upper
152 100
115 56.7 25.7 77.0
150 154.8 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.50 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059890.D

Acq: 23 Aug 2018 16:07

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-125-051RE

Tot Ion:105 Resp: 65695

Ion Ratio Lower Upper

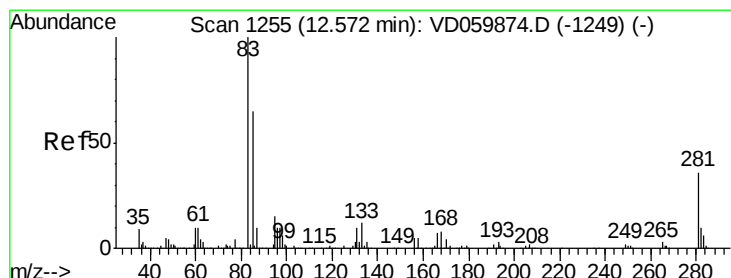
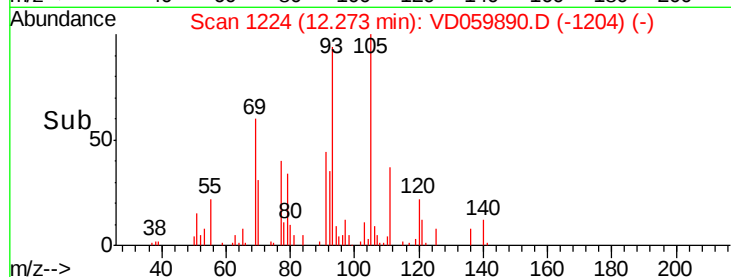
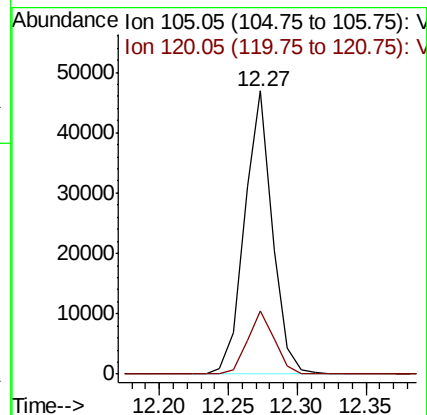
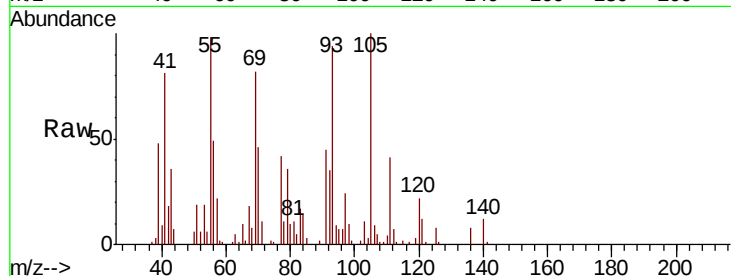
105 100

120 22.4 11.8 35.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 28.65 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD059890.D

Acq: 23 Aug 2018 16:07

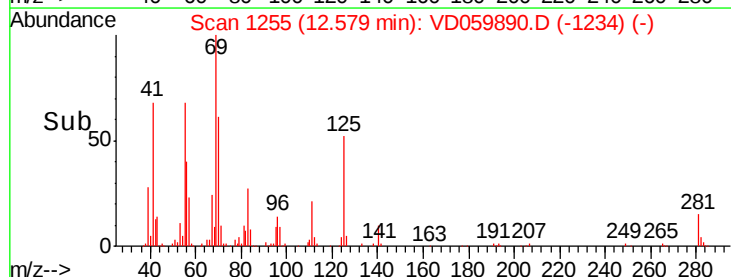
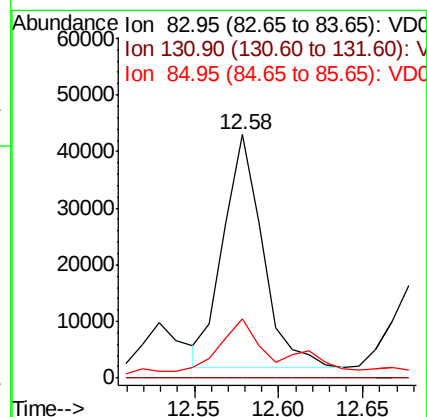
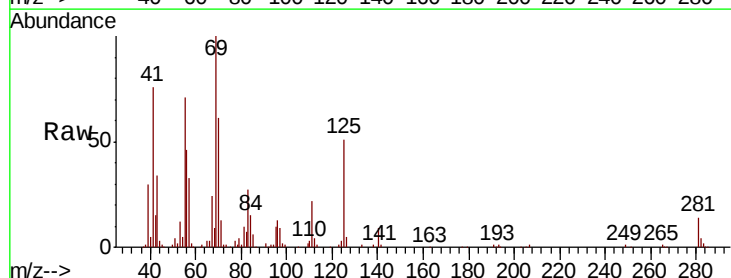
Tgt Ion: 83 Resp: 66975

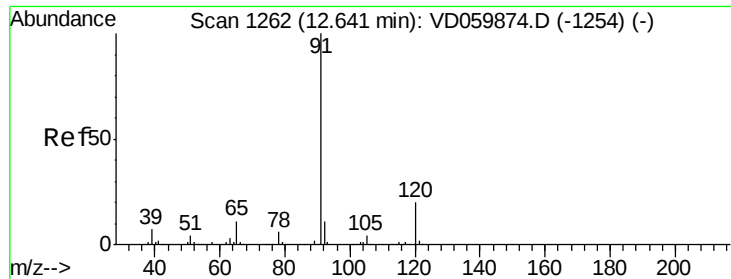
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 24.2 32.6 97.8#





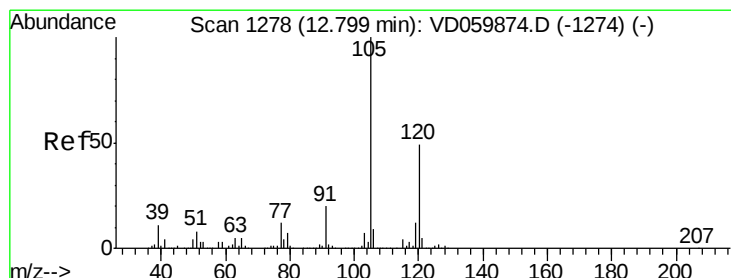
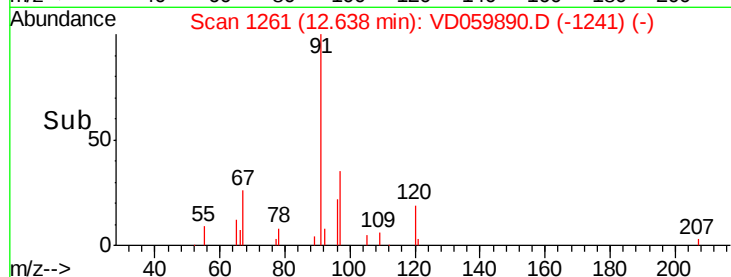
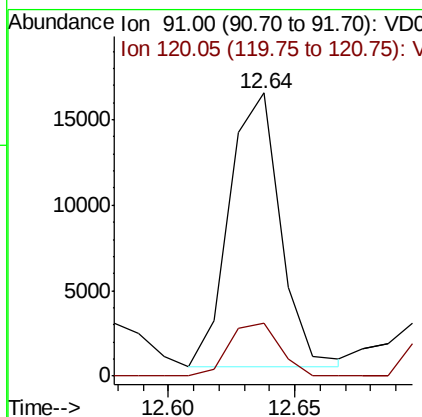
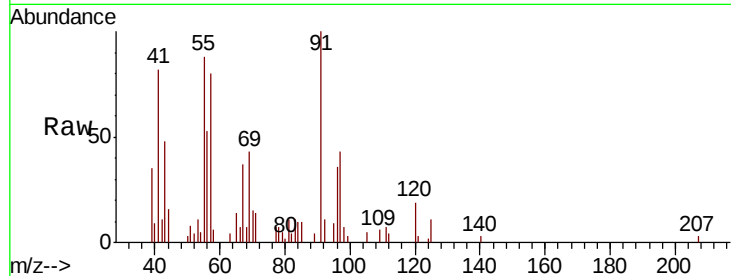
#78
n-propylbenzene
Concen: 1.76 ug/l
RT: 12.64 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion: 91 Resp: 22463
Ion Ratio Lower Upper
91 100
120 18.8 10.1 30.3

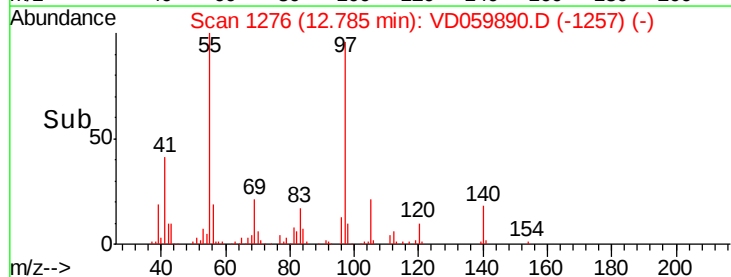
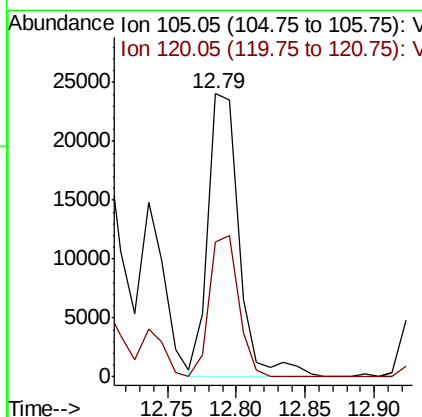
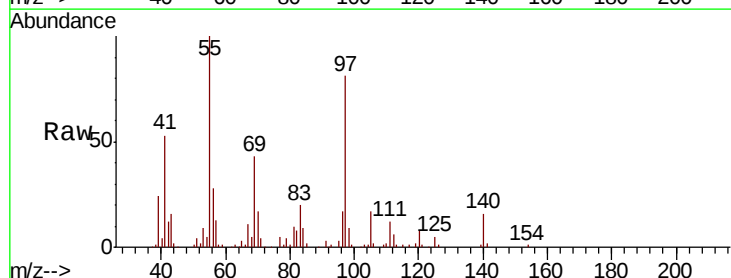
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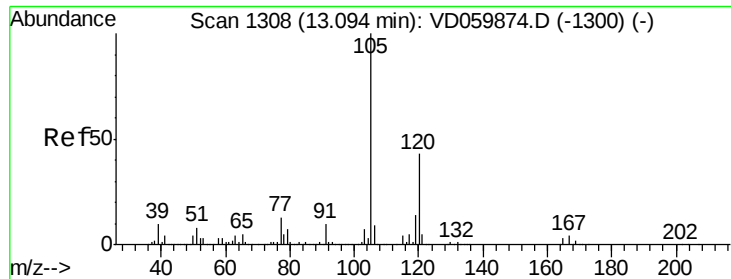
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#80
1,3,5-Trimethylbenzene
Concen: 4.70 ug/l
RT: 12.79 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Tgt Ion:105 Resp: 37745
Ion Ratio Lower Upper
105 100
120 47.5 24.5 73.5





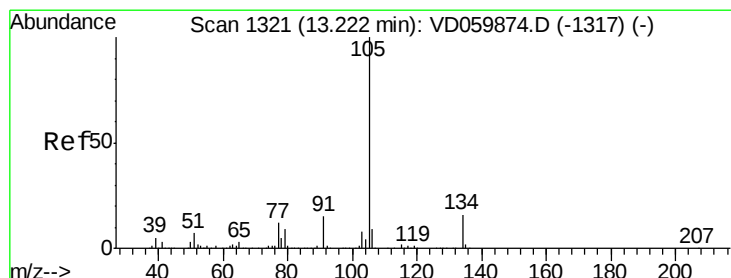
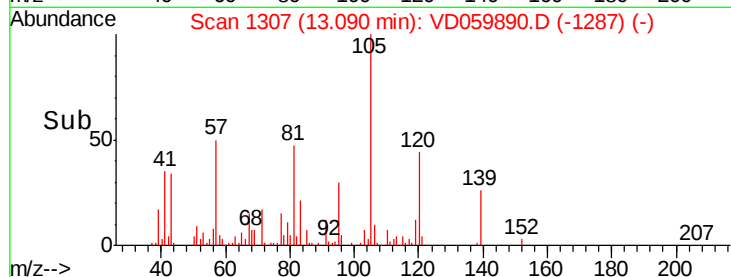
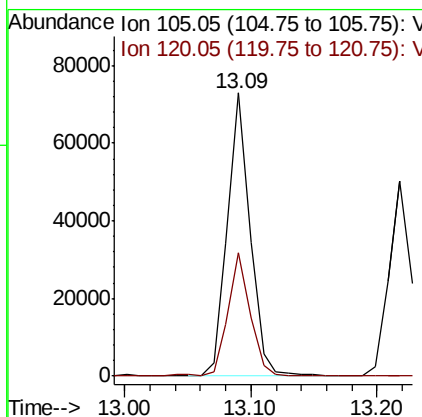
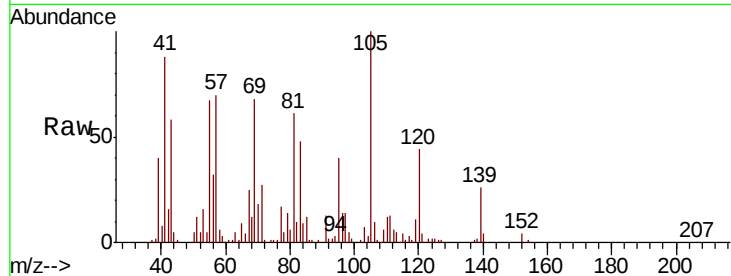
#84
 1,2,4-Trimethylbenzene
 Concen: 10.80 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VD059890.D
 Acq: 23 Aug 2018 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-125-051RE

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.3

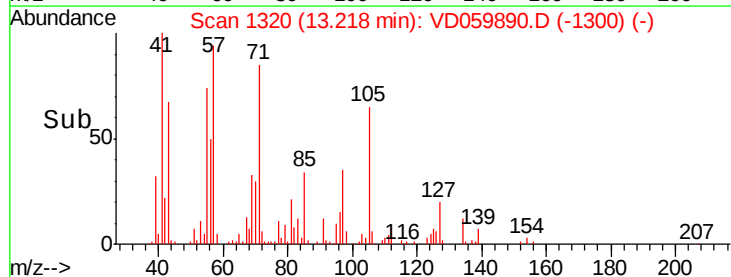
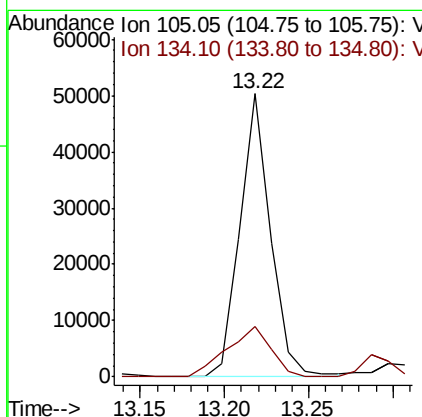
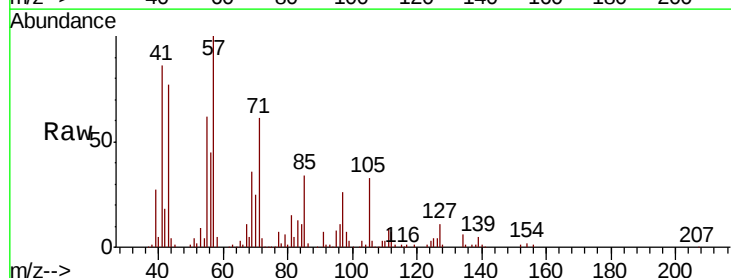
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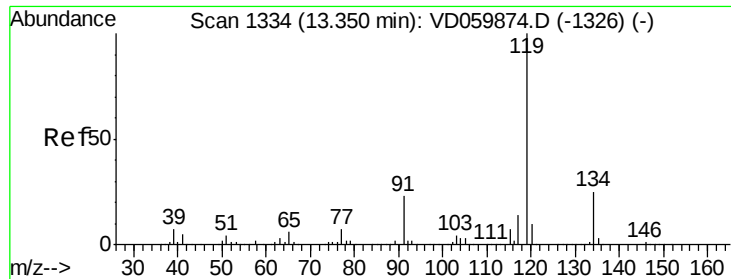
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#85
 sec-Butylbenzene
 Concen: 5.91 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059890.D
 Acq: 23 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.8	8.2	24.4





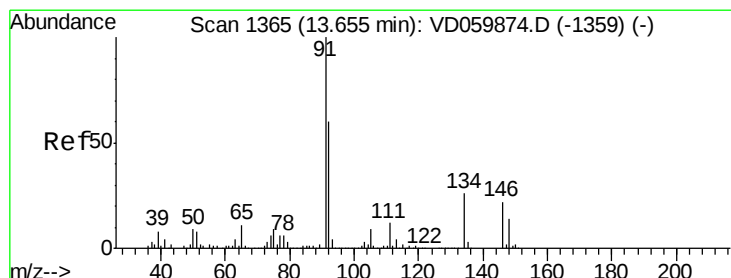
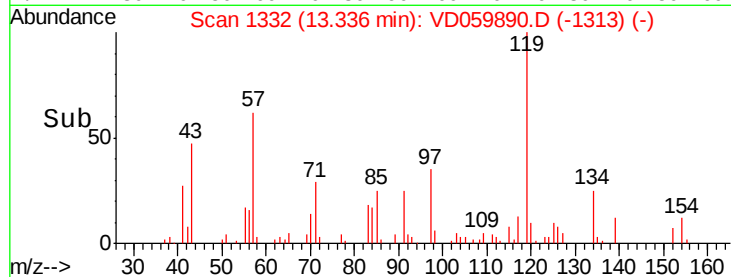
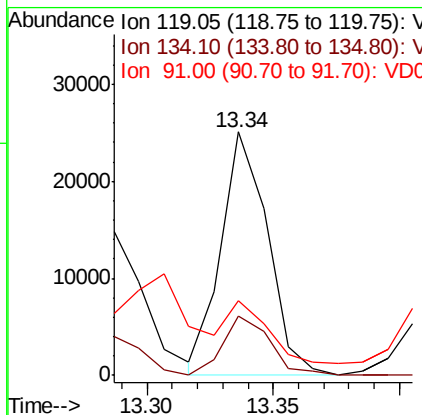
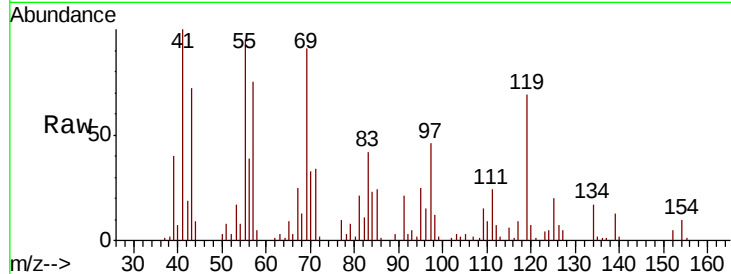
#86
 p-Isopropyltoluene
 Concen: 3.67 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059890.D
 Acq: 23 Aug 2018 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-125-051RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.7	38.1
91	30.8	11.7	35.0

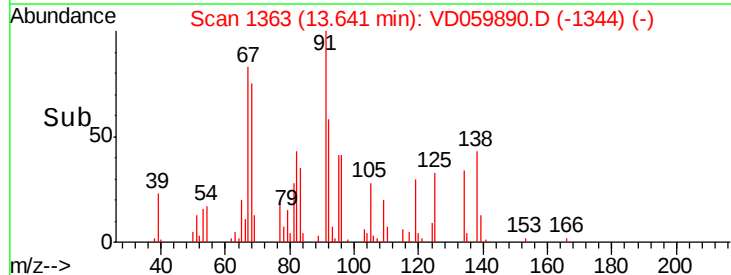
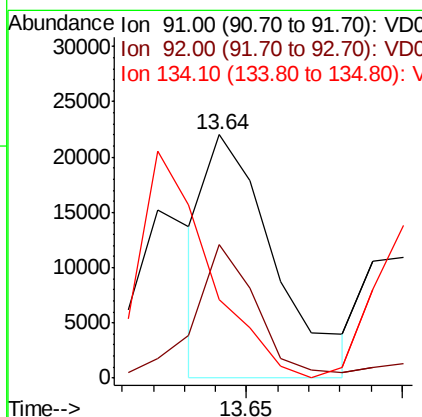
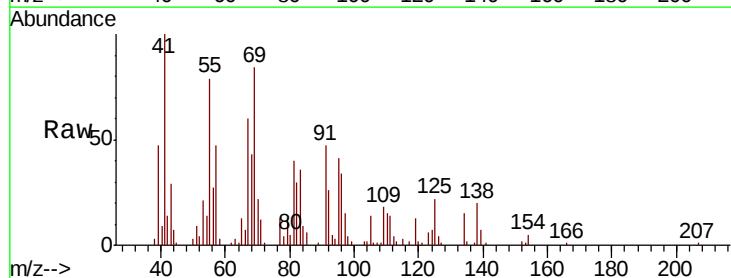
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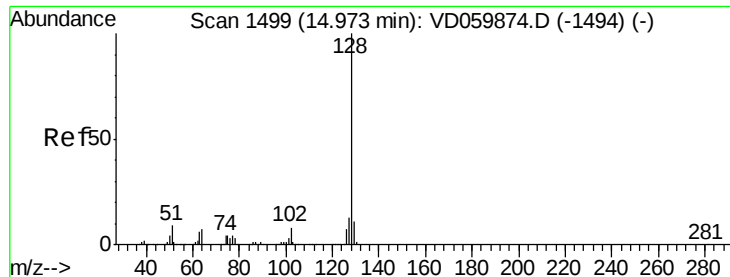
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#89
 n-Butylbenzene
 Concen: 2.53 ug/l m
 RT: 13.64 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD059890.D
 Acq: 23 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	30.0	90.1
134	32.4	12.8	38.4





#95
Naphthalene
Concen: 3.98 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059890.D
Acq: 23 Aug 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051RE

Tot Ion	Ratio	Resp	Lower	Upper
128	100	22173		
127	19.6		10.0	15.0#
129	17.3		8.6	13.0#

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