

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007793.D
 Acq On : 21 Dec 2018 14:00
 Operator : SY/AP
 Sample : J6426-05
 Misc : 5.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS002-01

Manual Integrations
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 12/26/2018 4:33:54 PM

Quant Time: Dec 24 01:02:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	34239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	57206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	25835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	5021	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	23864	63.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.18%	
35) Dibromofluoromethane	7.88	113	18443	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.32	98	38816	29.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.00%	
62) 4-Bromofluorobenzene	12.62	95	7536	14.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.66%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	259942	3698.989	ug/l	95
18) Methyl Acetate	4.68	43	3649	21.834	ug/l	98
20) Methylene Chloride	4.91	84	2681	1.514	ug/l #	83
25) 2-Butanone	7.17	43	29741	361.324	ug/l	99
39) Methylcyclohexane	9.33	83	2232	3.253	ug/l	96
52) Toluene	10.38	92	6417	6.491	ug/l	98
59) 2-Hexanone	10.97	43	1366	10.766	ug/l	88
67) Ethyl Benzene	11.73	91	71501	74.515	ug/l	99
68) m/p-Xylenes	11.83	106	158208	425.035	ug/l	99
69) o-Xylene	12.17	106	383071	1097.903	ug/l	100
73) Isopropylbenzene	12.47	105	470232	1238.980	ug/l	99
78) n-propylbenzene	12.81	91	1915543	4335.778	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	6549002	20004.690	ug/l	98
83) tert-Butylbenzene	13.22	119	3906m	13.598	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	18805850	56929.126	ug/l	89
85) sec-Butylbenzene	13.39	105	175667m	443.743	ug/l	
86) p-Isopropyltoluene	13.51	119	144336m	400.961	ug/l	
89) n-Butylbenzene	13.83	91	151291m	458.385	ug/l	
95) Naphthalene	15.38	128	3075338	15497.928	ug/l	100

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

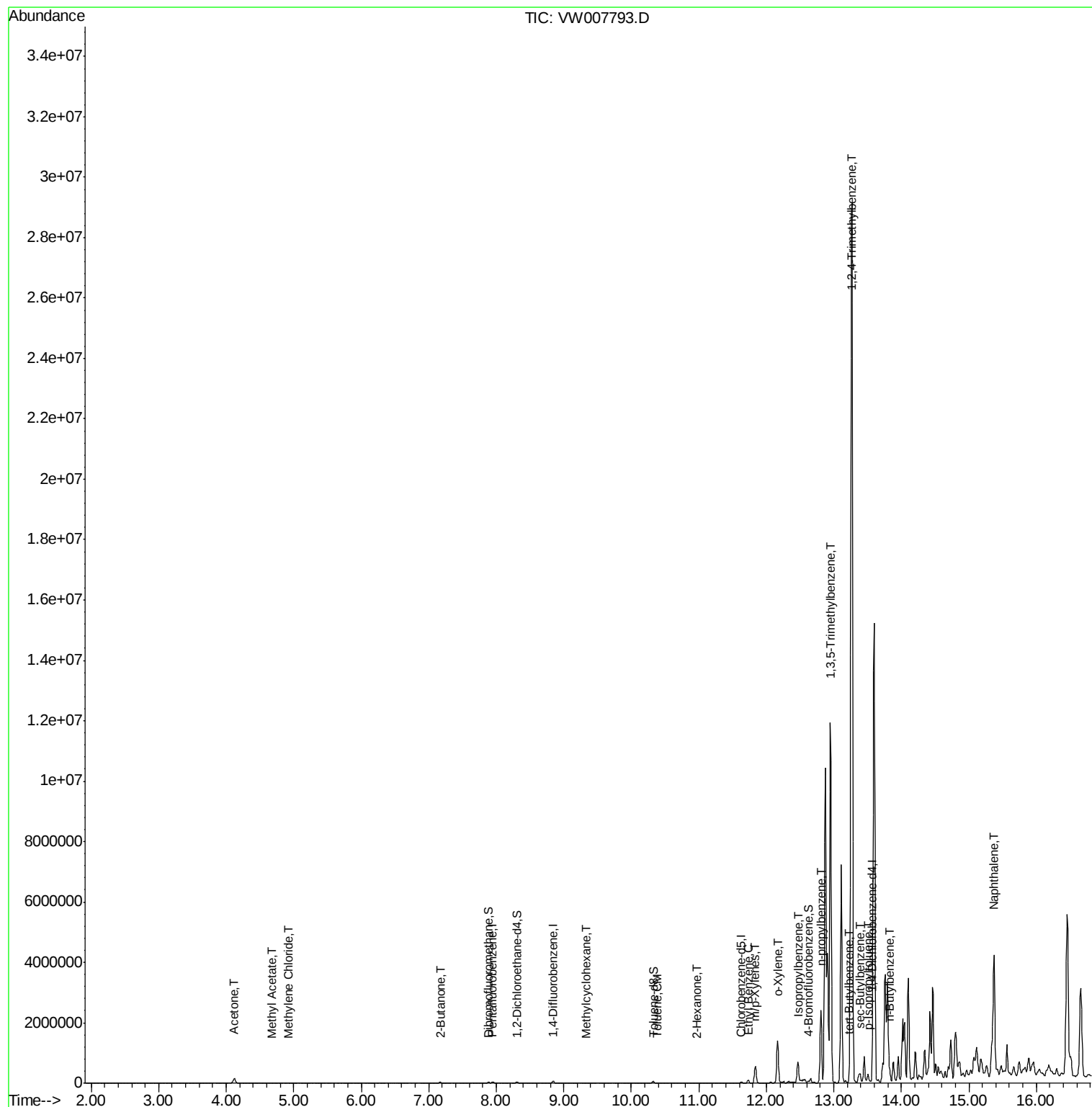
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
Data File : VW007793.D
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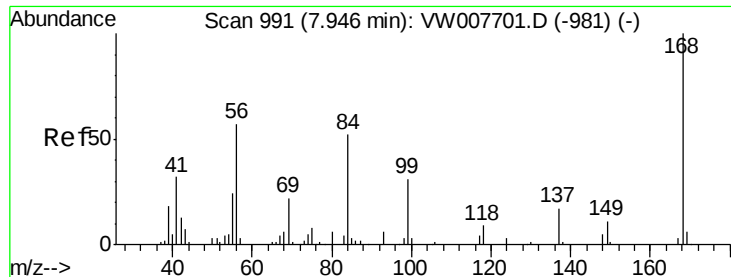
Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

Quant Time: Dec 24 01:02:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007793.D

Acq: 21 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-DS002-01

Tgt Ion: 168 Resp: 34239

Ion Ratio Lower Upper

168 100

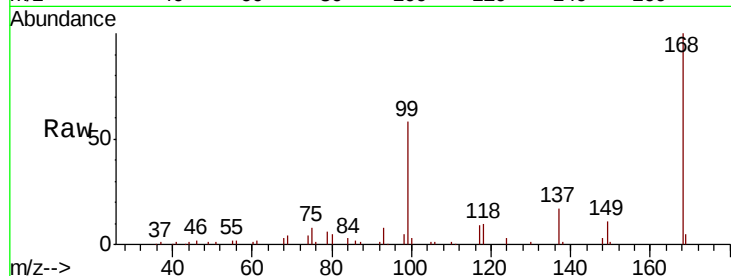
99 57.9 54.0 81.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

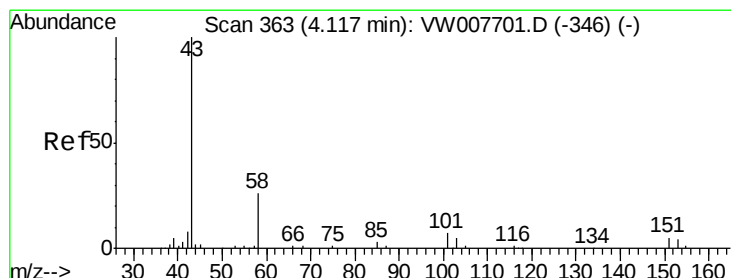
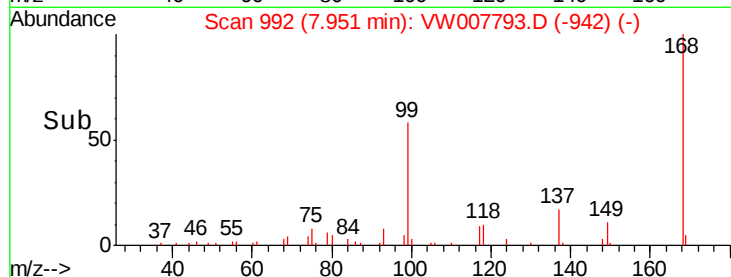
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 3698.989 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007793.D

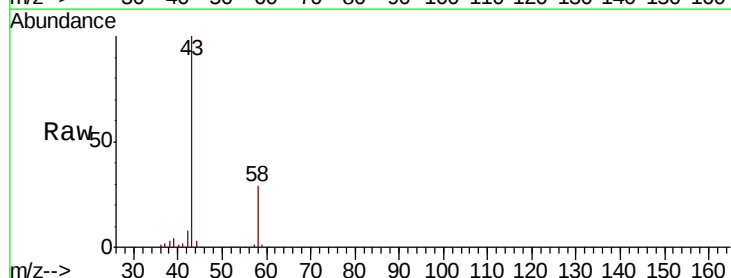
Acq: 21 Dec 2018 14:00

Tgt Ion: 43 Resp: 259942

Ion Ratio Lower Upper

43 100

58 29.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

100000

80000

60000

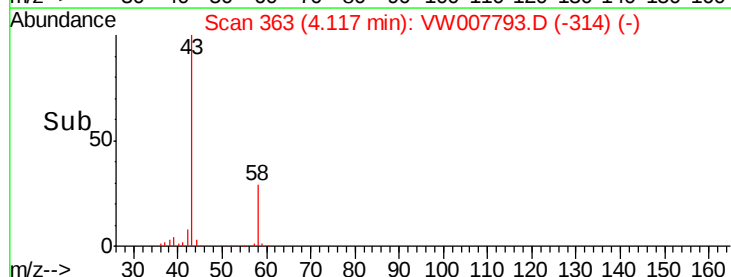
40000

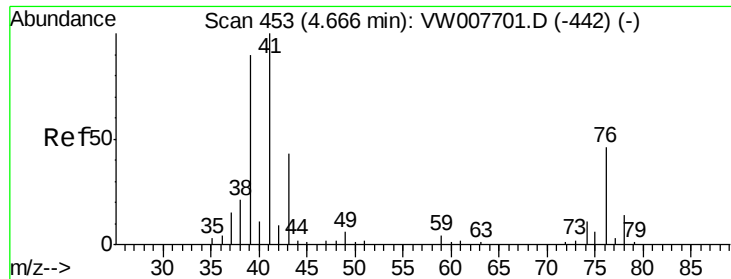
20000

0

Time-->

4.00 4.10 4.20 4.30





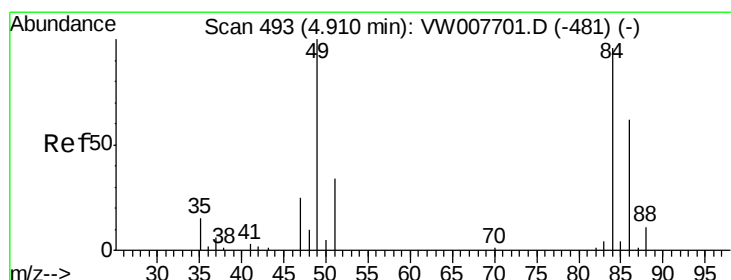
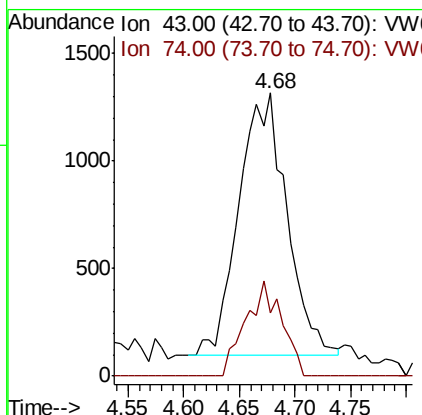
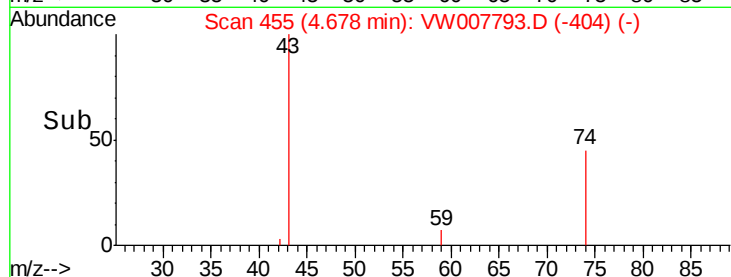
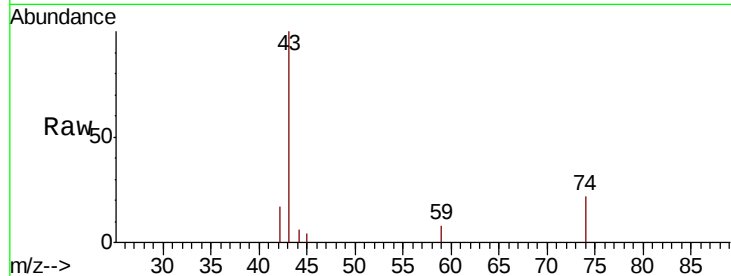
#18
Methyl Acetate
Concen: 21.834 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

Tgt Ion: 43 Resp: 3649
Ion Ratio Lower Upper
43 100
74 27.3 22.7 34.1

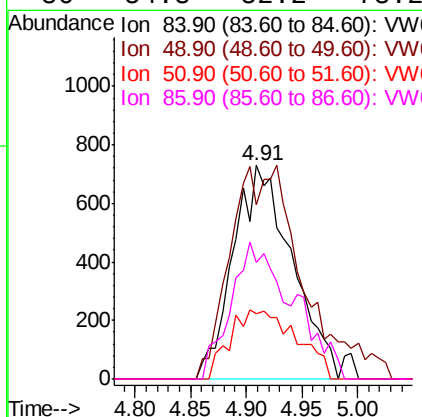
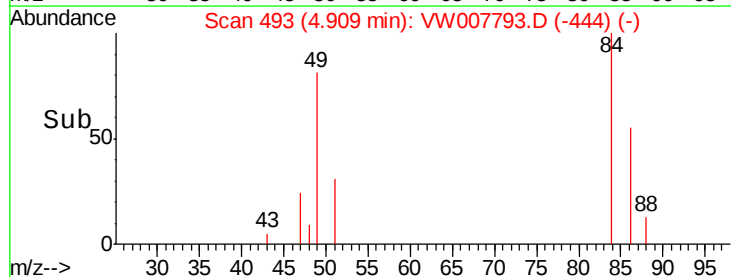
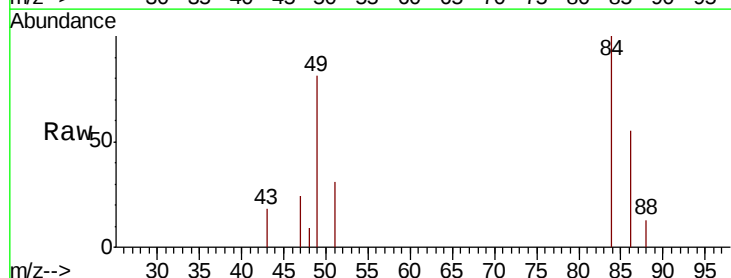
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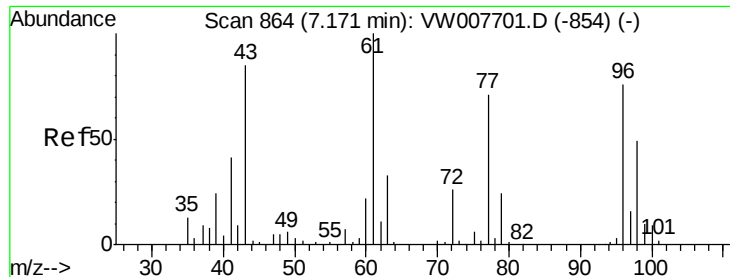
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#20
Methylene Chloride
Concen: 1.514 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Tgt Ion: 84 Resp: 2681
Ion Ratio Lower Upper
84 100
49 81.2 83.7 125.5#
51 30.8 28.2 42.2
86 54.8 52.2 78.2





#25

2-Butanone

Concen: 361.324 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007793.D

Acq: 21 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-DS002-01

Tgt Ion: 43 Resp: 29741

Ion Ratio Lower Upper

43 100

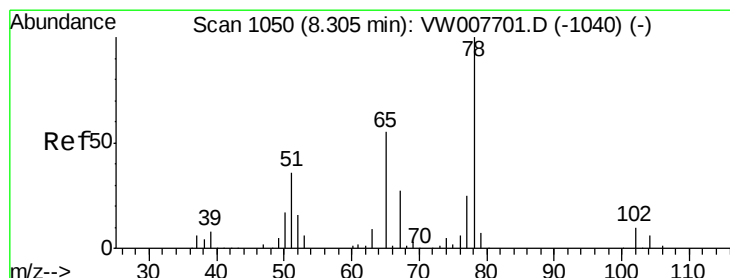
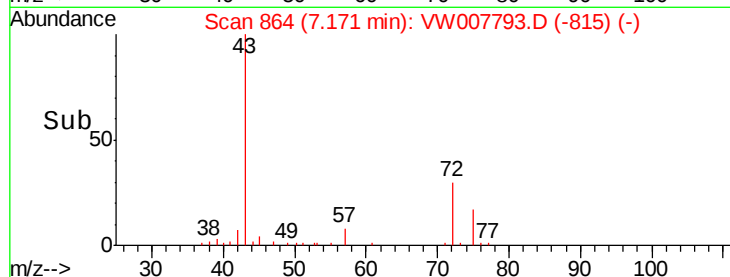
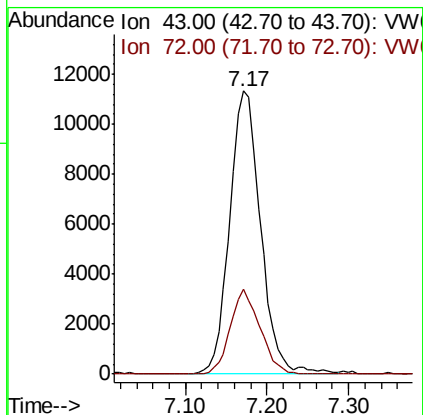
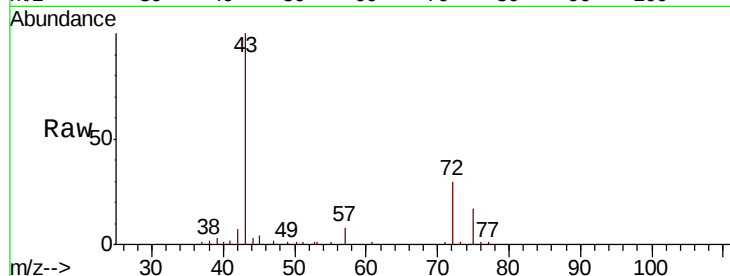
72 30.1 24.5 36.7

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#33

1,2-Dichloroethane-d4

Concen: 63.591 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007793.D

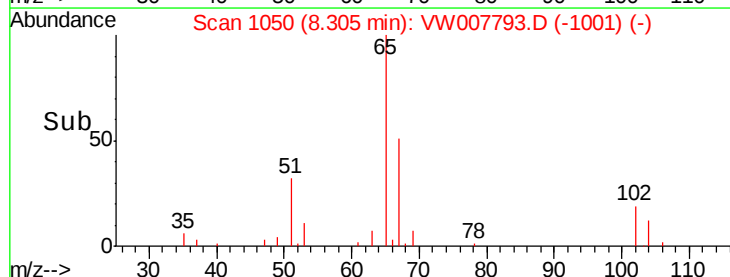
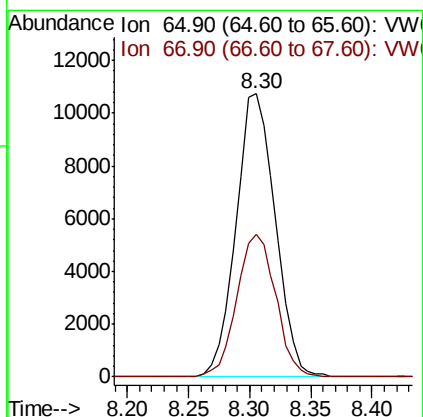
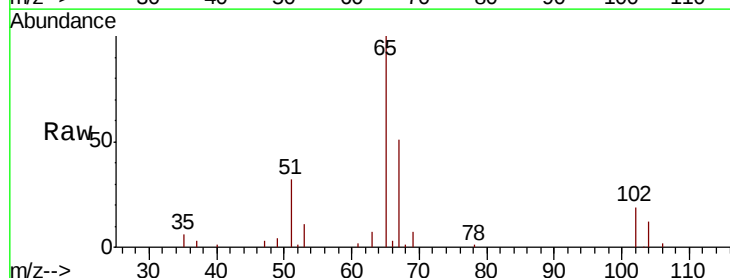
Acq: 21 Dec 2018 14:00

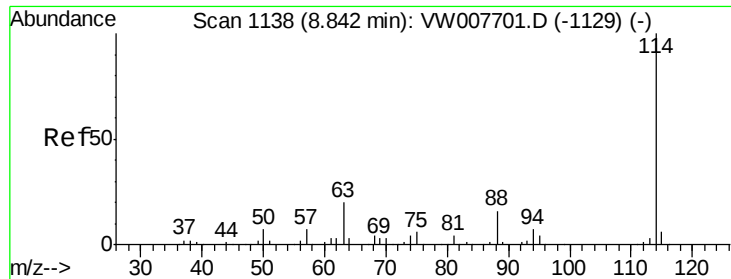
Tgt Ion: 65 Resp: 23864

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007793.D

Acq: 21 Dec 2018 14:00

Instrument :

MSVOA_W

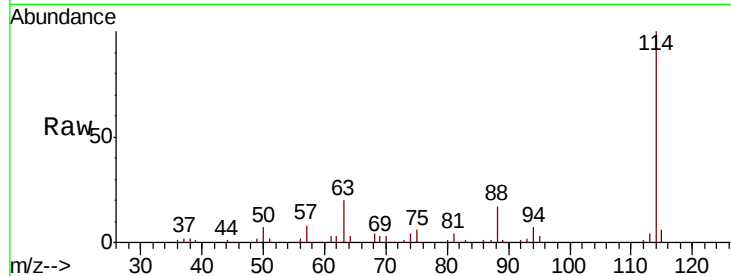
ClientSampleId :

P001-DS002-01

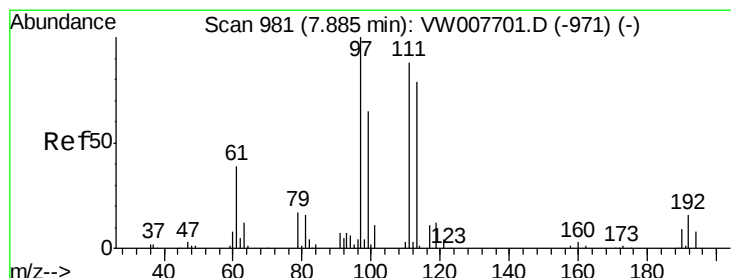
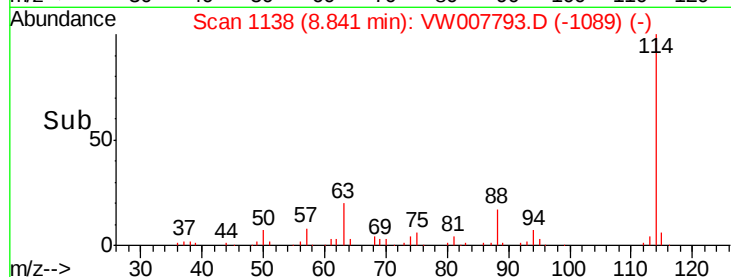
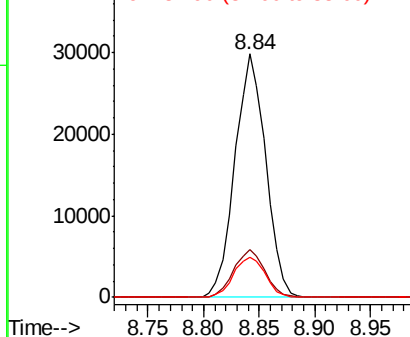
Tgt Ion:	114	Resp:	57206
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	40.0
88	16.7	0.0	32.6

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Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.847 ug/l

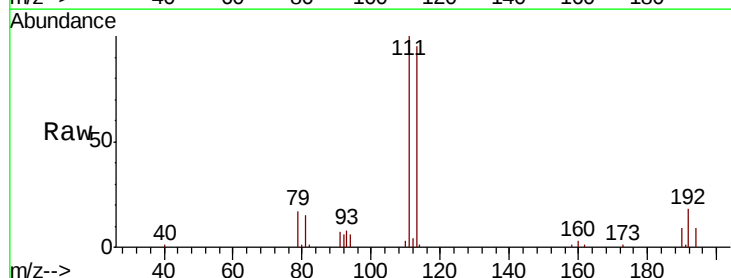
RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

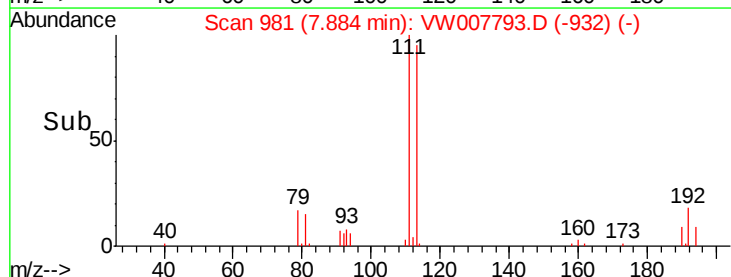
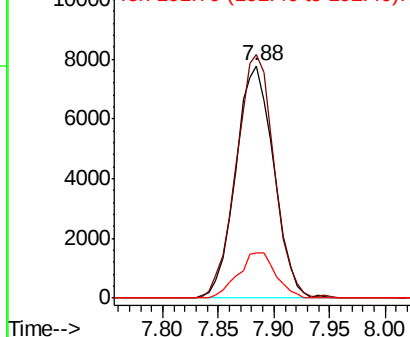
Lab File: VW007793.D

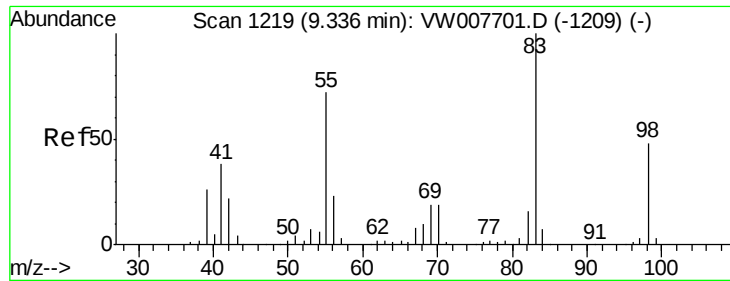
Acq: 21 Dec 2018 14:00

Tgt Ion:	113	Resp:	18443
Ion Ratio	Lower	Upper	
113	100		
111	104.4	82.6	124.0
192	19.3	15.5	23.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





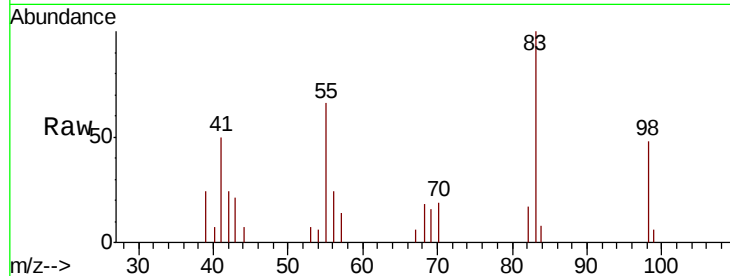
#39
Methylcyclohexane
Concen: 3.253 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

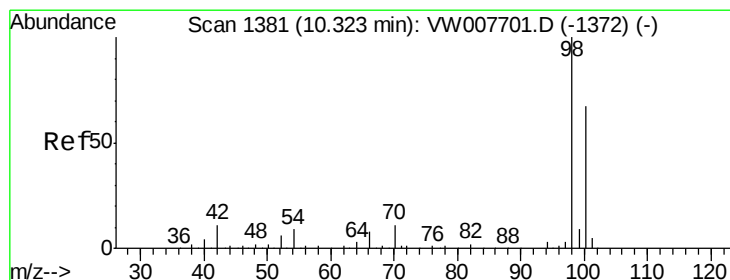
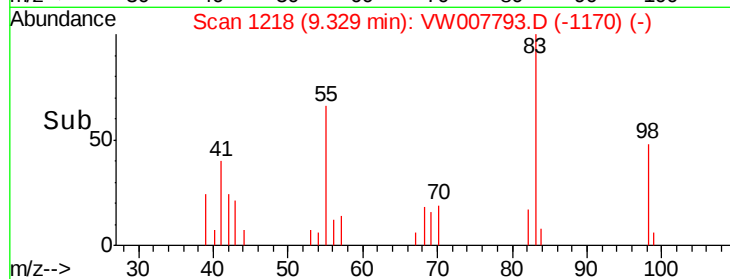
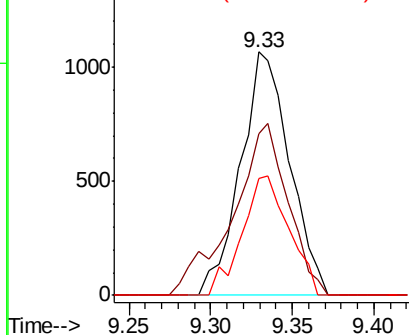
Tgt Ion	Ratio	Lower	Upper
83	100		
55	66.3	57.2	85.8
98	48.3	38.6	58.0

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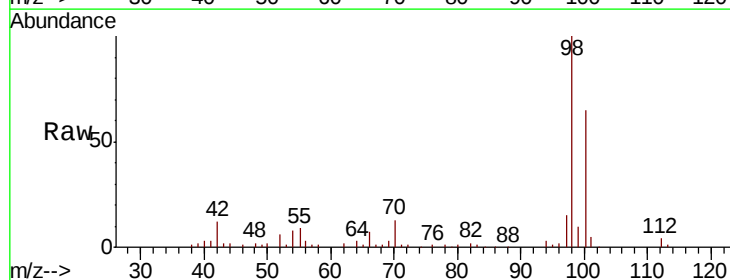


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

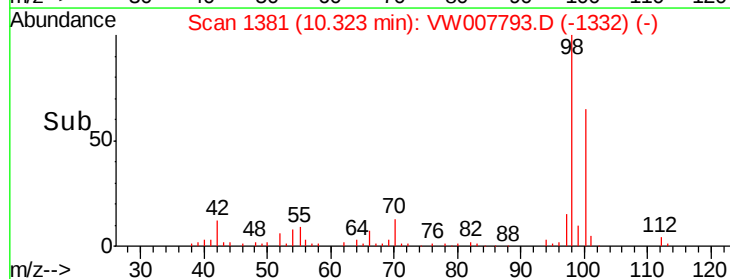
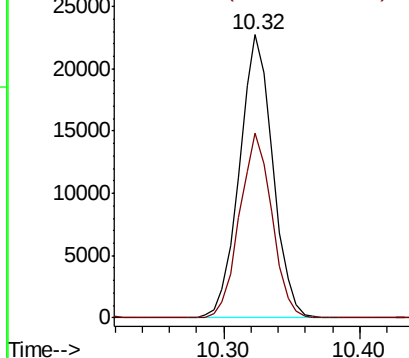


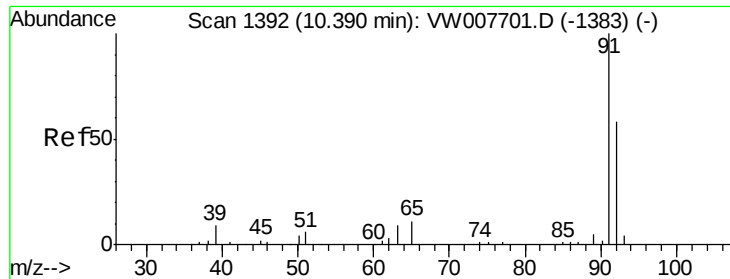
#50
Toluene-d8
Concen: 29.504 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 6.491 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007793.D

Acq: 21 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-DS002-01

Tgt Ion: 92 Resp: 6417

Ion Ratio Lower Upper

92 100

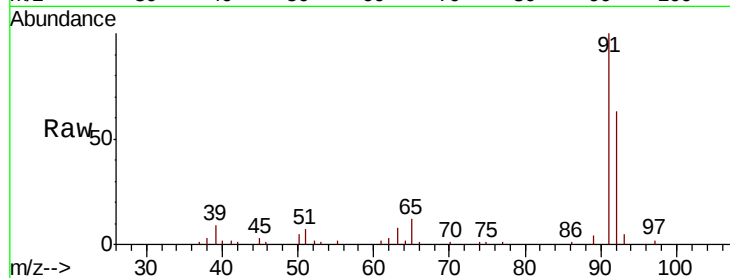
91 167.9 137.0 205.4

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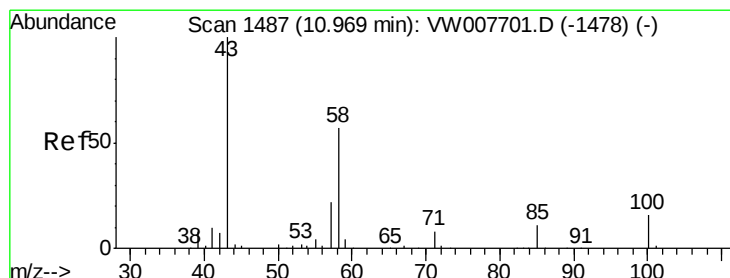
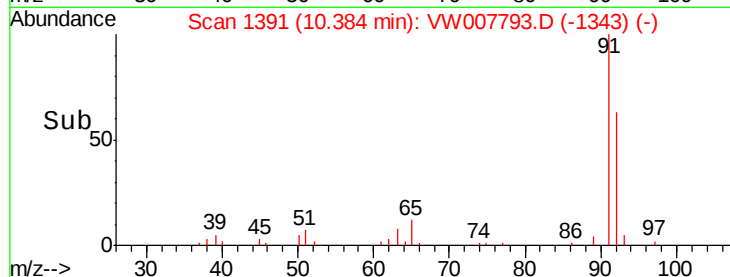
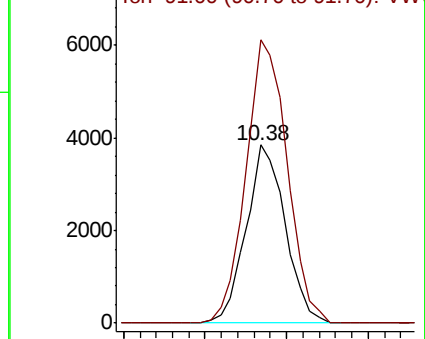
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Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#59

2-Hexanone

Concen: 10.766 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007793.D

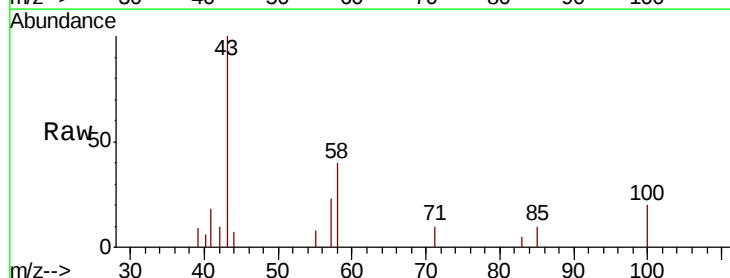
Acq: 21 Dec 2018 14:00

Tgt Ion: 43 Resp: 1366

Ion Ratio Lower Upper

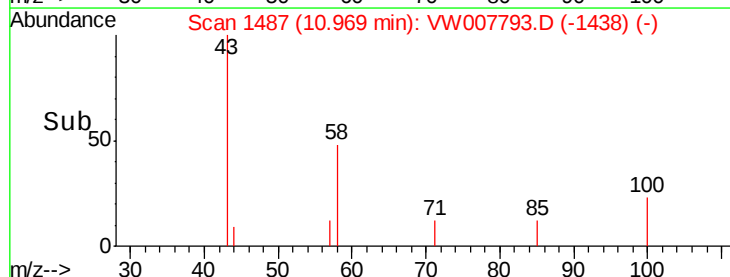
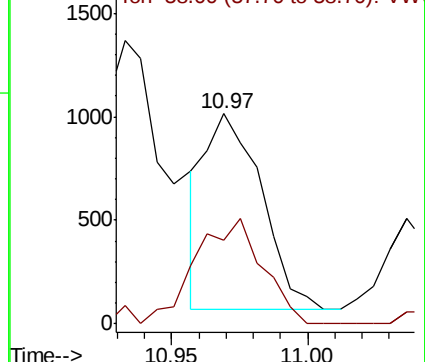
43 100

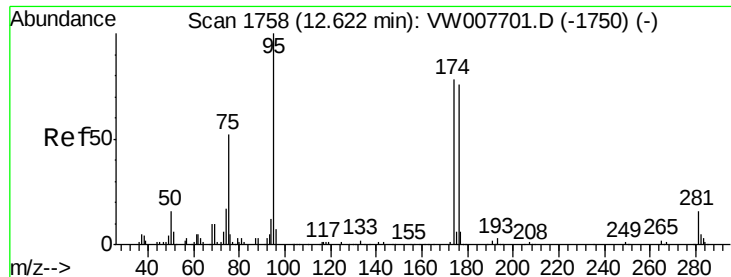
58 64.0 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 14.827 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007793.D

Acq: 21 Dec 2018 14:00

Instrument :

MSVOA_W

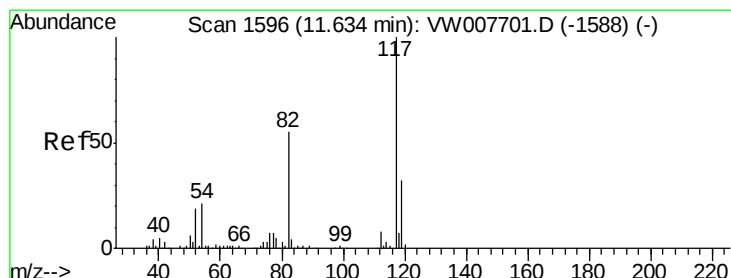
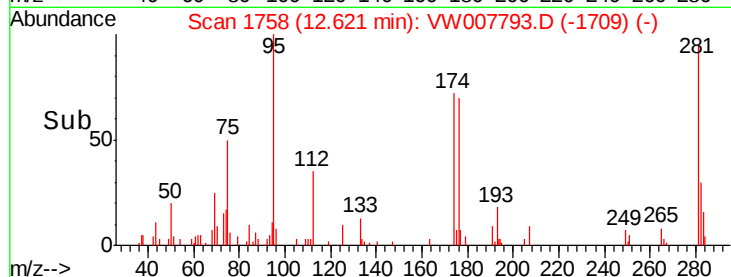
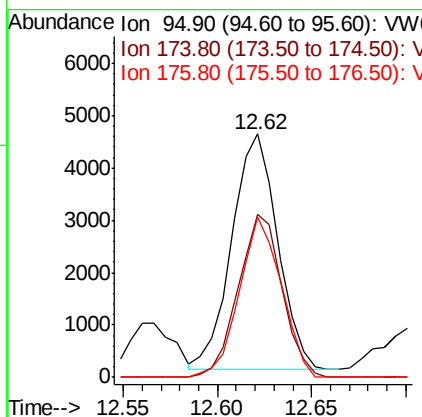
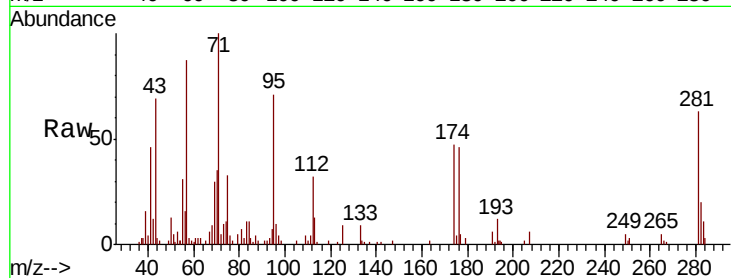
ClientSampleId :

P001-DS002-01

Tgt Ion:	95	Resp:	7536
Ion Ratio	Lower	Upper	
95	100		
174	66.5	0.0	152.2
176	62.7	0.0	146.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

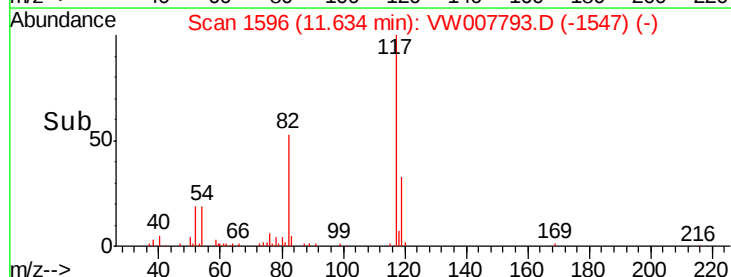
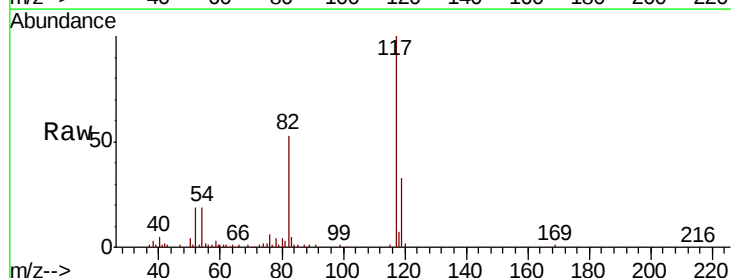
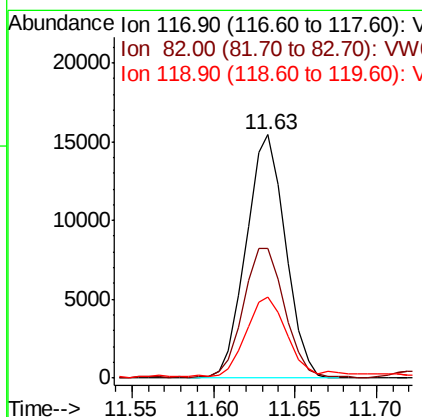
RT: 11.63 min Scan# 1596

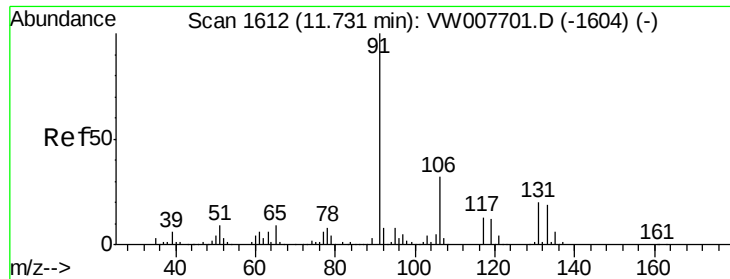
Delta R.T. -0.00 min

Lab File: VW007793.D

Acq: 21 Dec 2018 14:00

Tgt Ion:	117	Resp:	25835
Ion Ratio	Lower	Upper	
117	100		
82	53.0	44.3	66.5
119	32.3	25.7	38.5





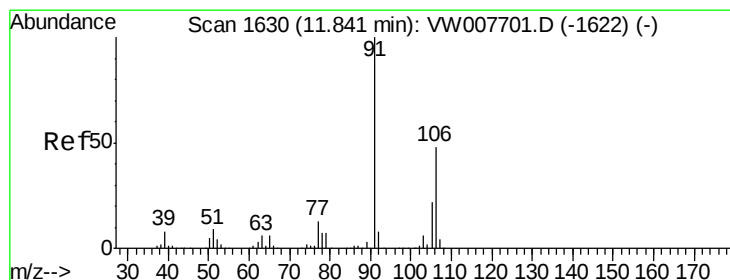
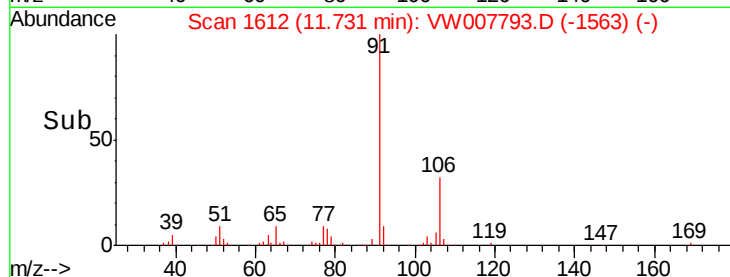
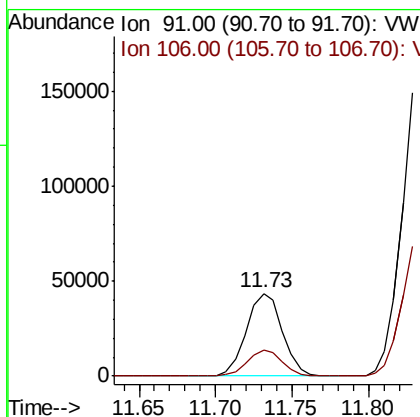
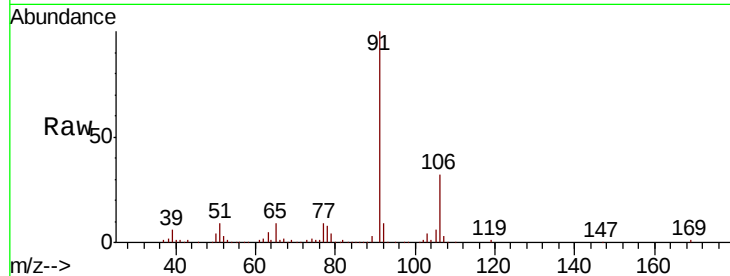
#67
Ethyl Benzene
Concen: 74.515 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

Tgt Ion: 91 Resp: 71501
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.8

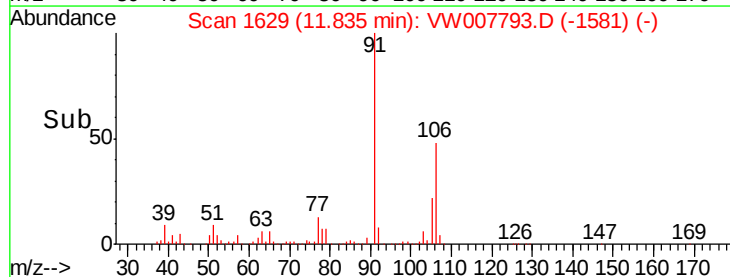
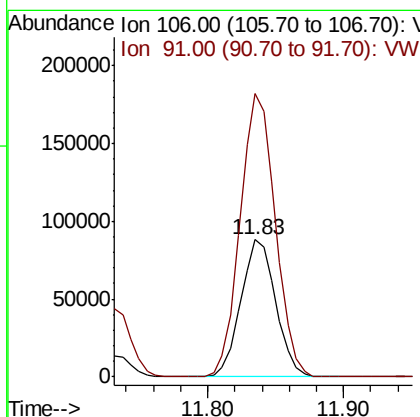
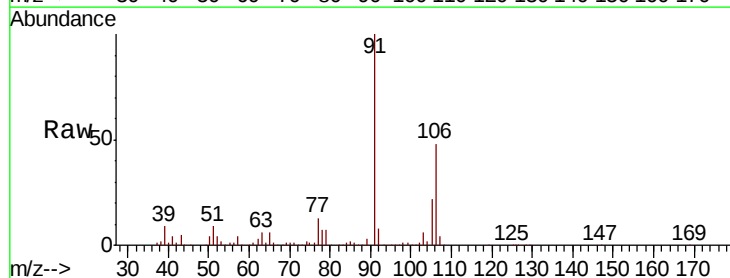
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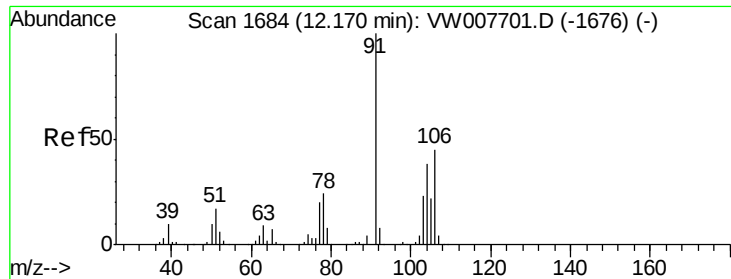
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#68
m/p-Xylenes
Concen: 425.035 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Tgt Ion: 106 Resp: 158208
Ion Ratio Lower Upper
106 100
91 207.8 165.2 247.8





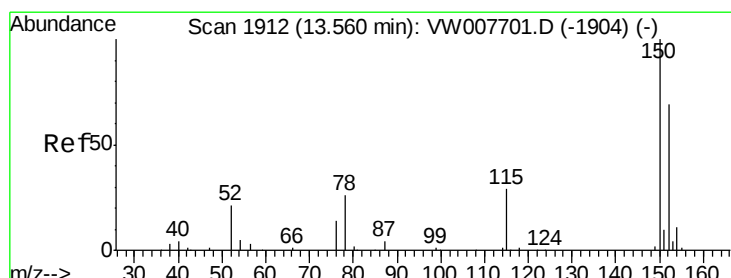
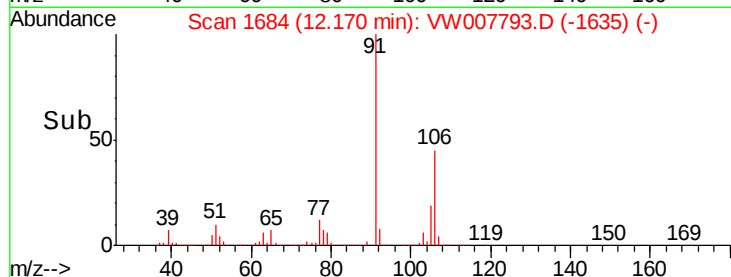
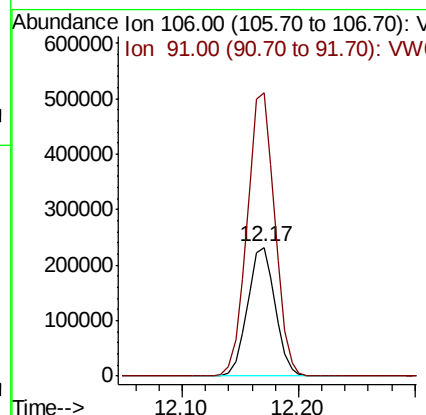
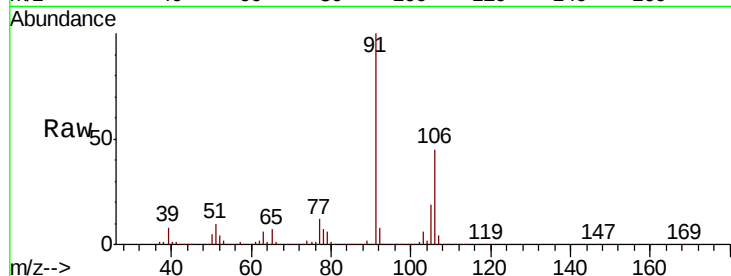
#69
o-Xylene
Concen: 1097.903 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

Tgt Ion:106 Resp: 383071
Ion Ratio Lower Upper
106 100
91 221.3 110.5 331.4

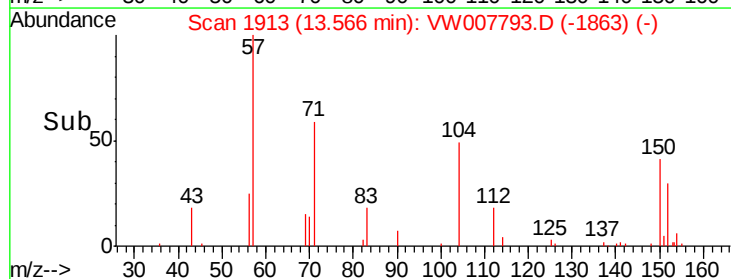
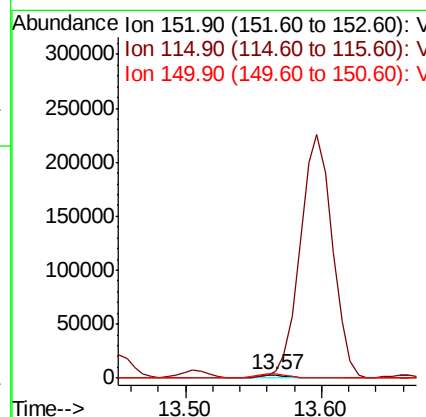
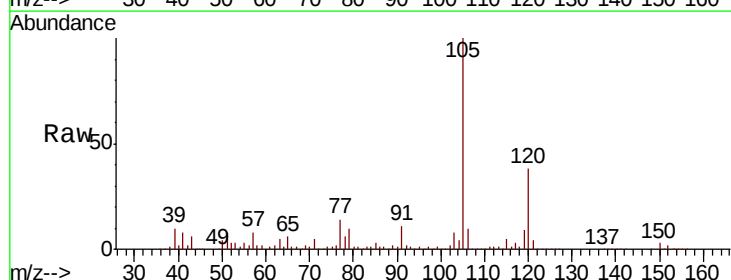
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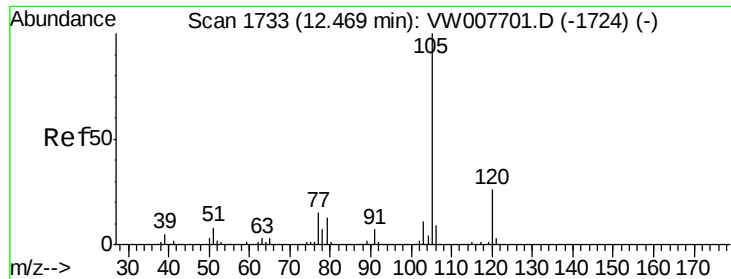
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Tgt Ion:152 Resp: 5021
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 138.5 0.0 350.8





#73

Isopropylbenzene

Concen: 1238.980 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007793.D

Acq: 21 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-DS002-01

Tgt Ion: 105 Resp: 470232

Ion Ratio Lower Upper

105 100

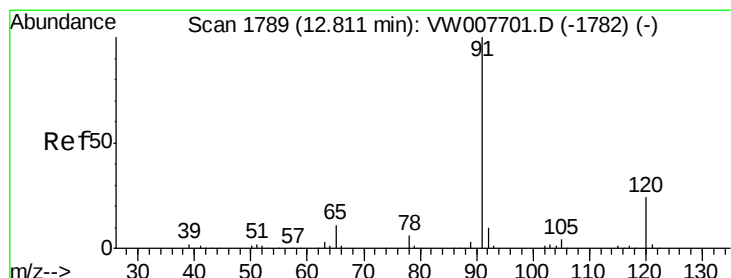
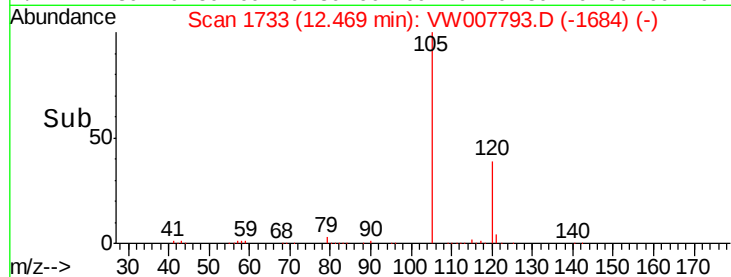
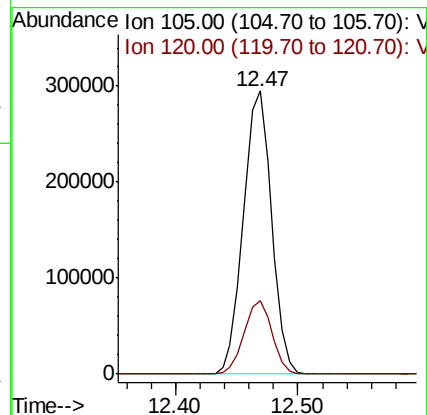
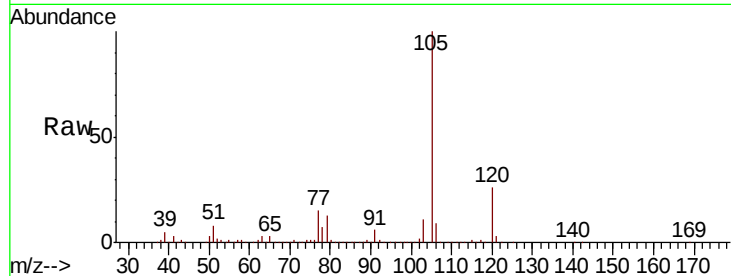
120 25.9 13.1 39.3

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#78

n-propylbenzene

Concen: 4335.778 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007793.D

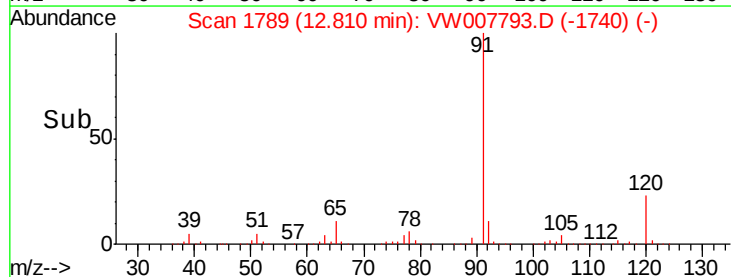
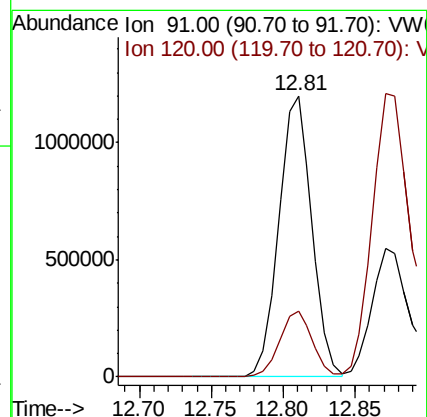
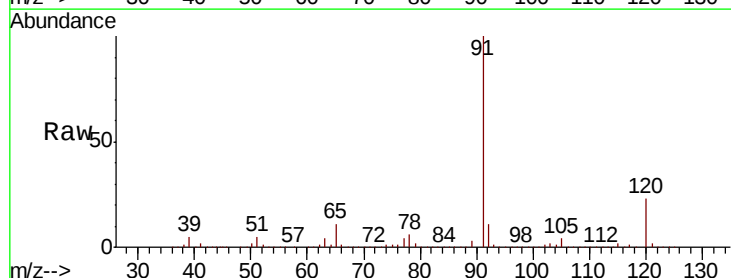
Acq: 21 Dec 2018 14:00

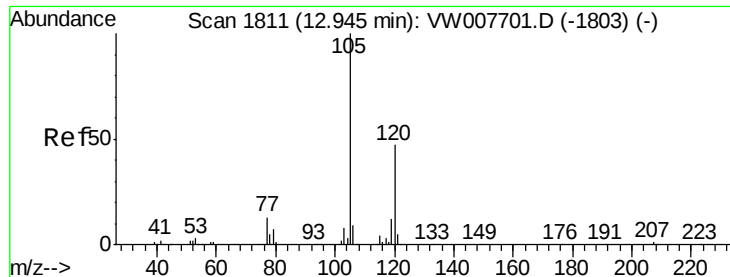
Tgt Ion: 91 Resp: 1915543

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.7





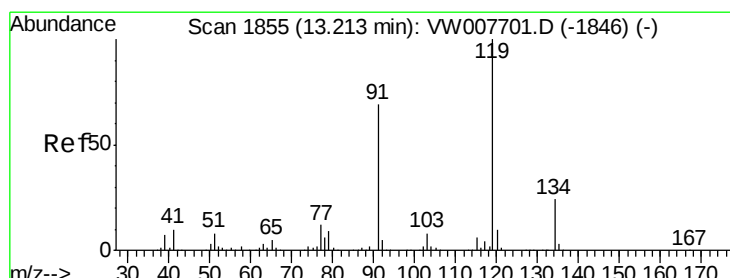
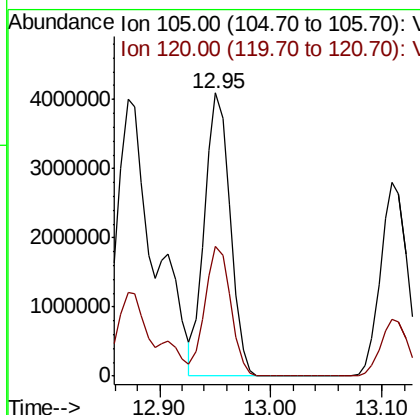
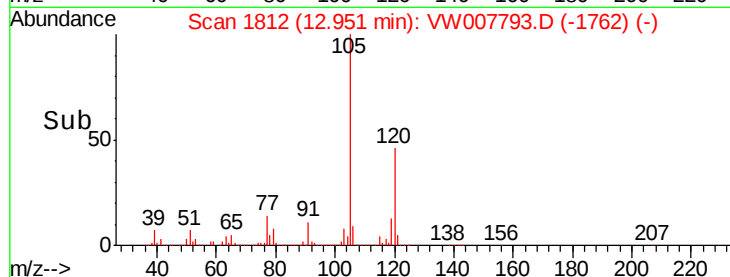
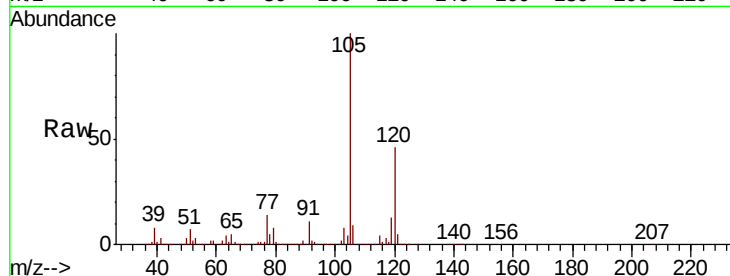
#80
 1,3,5-Trimethylbenzene
 Concen: 20004.690 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007793.D
 Acq: 21 Dec 2018 14:00

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS002-01

Tgt Ion:105 Resp: 6549002
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.6 70.8

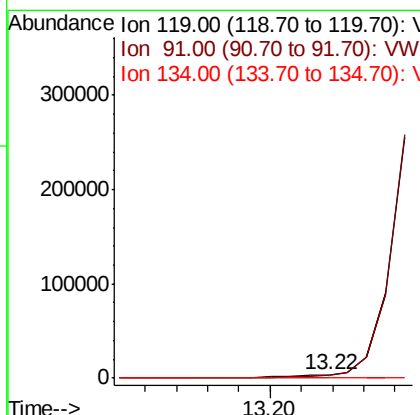
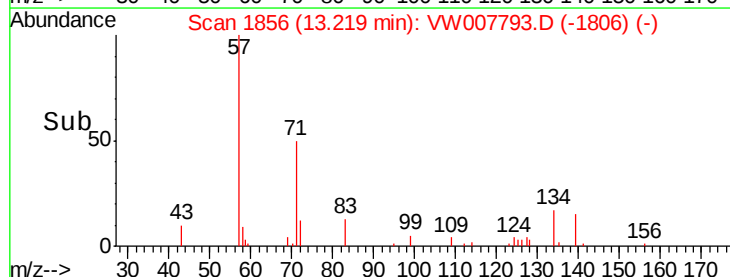
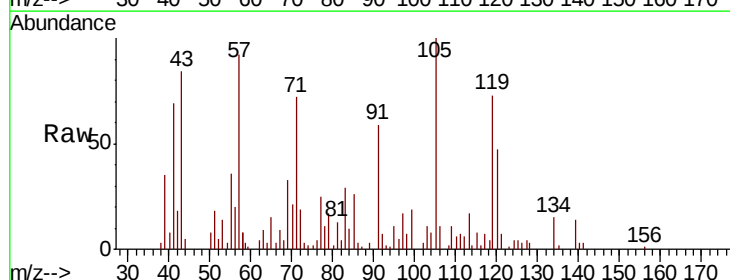
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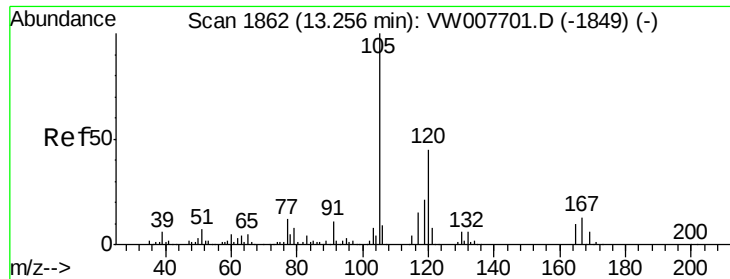
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#83
 tert-Butylbenzene
 Concen: 13.598 ug/l m
 RT: 13.22 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW007793.D
 Acq: 21 Dec 2018 14:00

Tgt Ion:119 Resp: 3906
 Ion Ratio Lower Upper
 119 100
 91 61911.2 34.2 102.5#
 134 0.0 12.8 38.4#





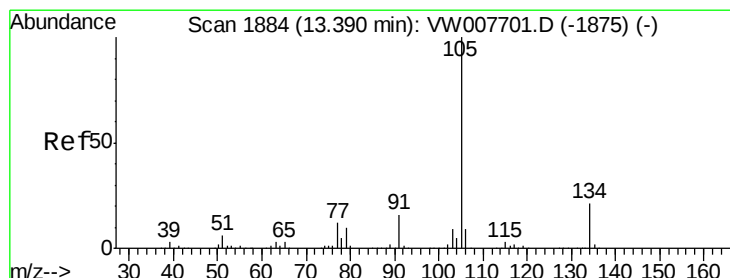
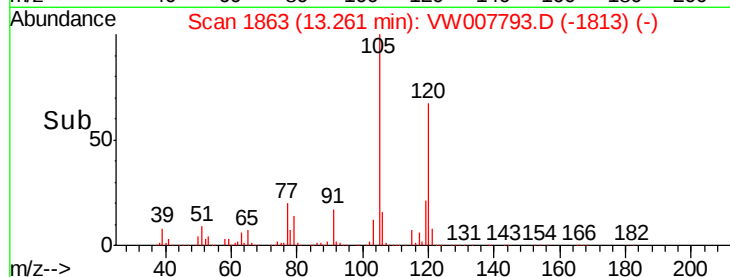
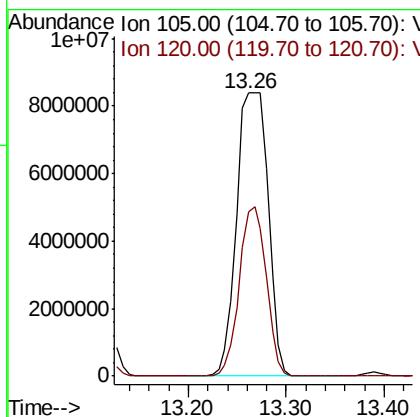
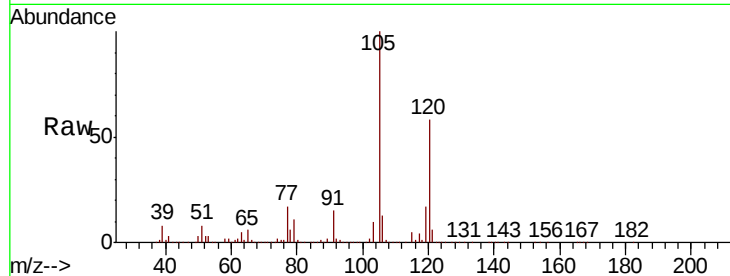
#84
1,2,4-Trimethylbenzene
Concen: 56929.126 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

Tgt Ion:105 Resp:18805850
Ion Ratio Lower Upper
105 100
120 50.9 22.0 66.0

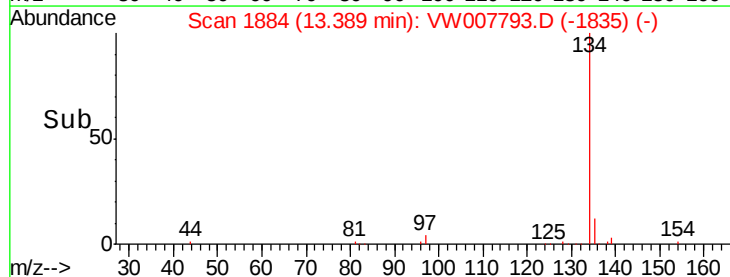
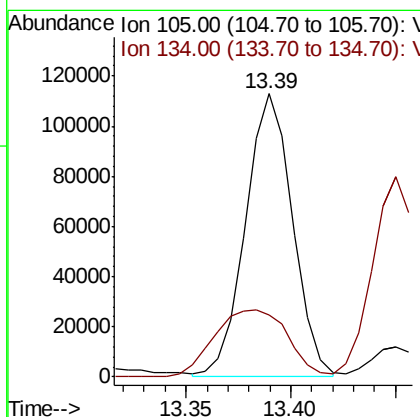
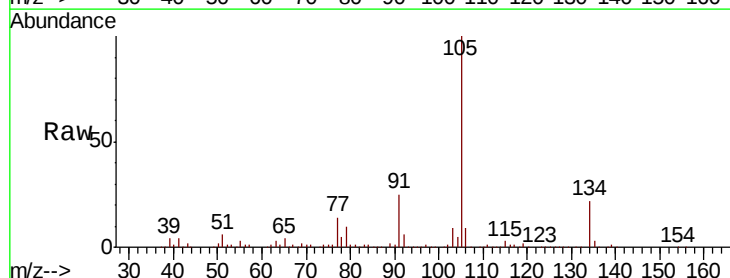
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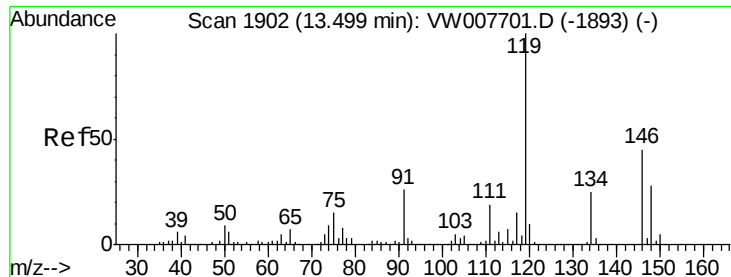
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#85
sec-Butylbenzene
Concen: 443.743 ug/l m
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Tgt Ion:105 Resp: 175667
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





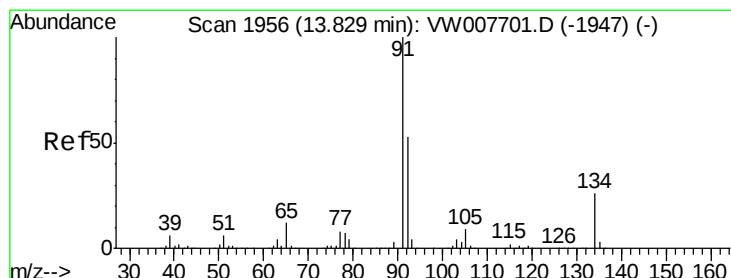
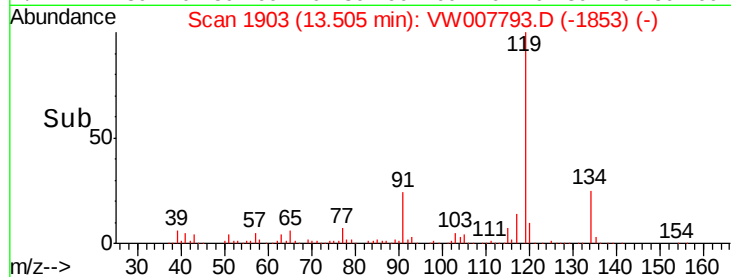
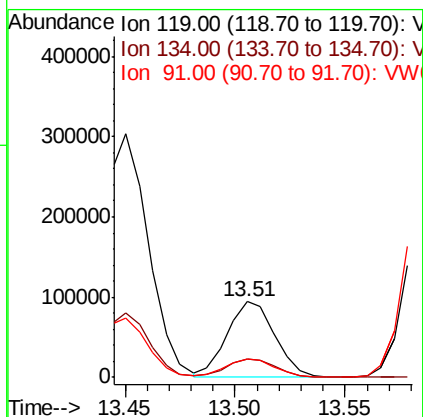
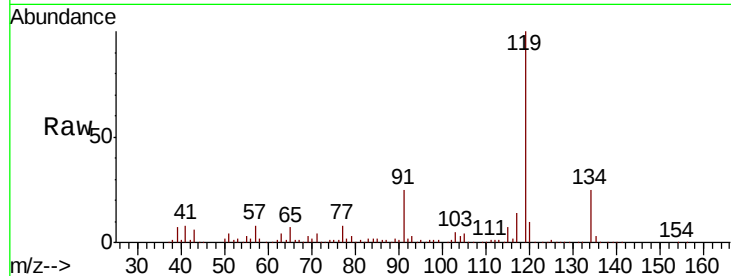
#86
p-Isopropyltoluene
Concen: 400.961 ug/l m
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

Tgt Ion: 119 Resp: 144336
Ion Ratio Lower Upper
119 100
134 85.3 13.0 39.0#
91 76.7 12.8 38.4#

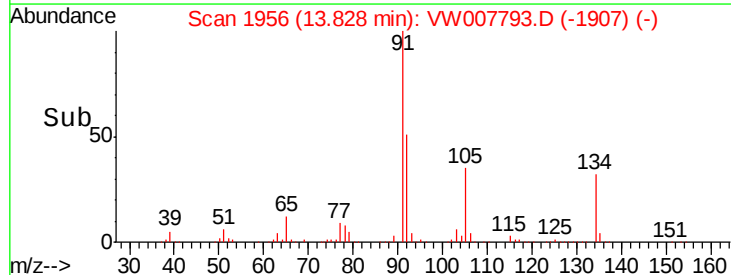
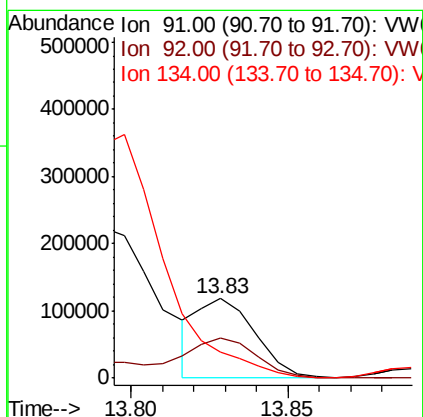
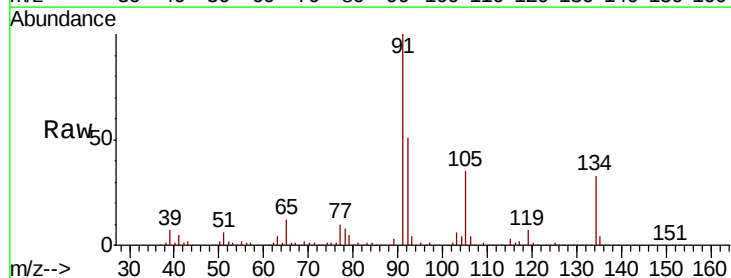
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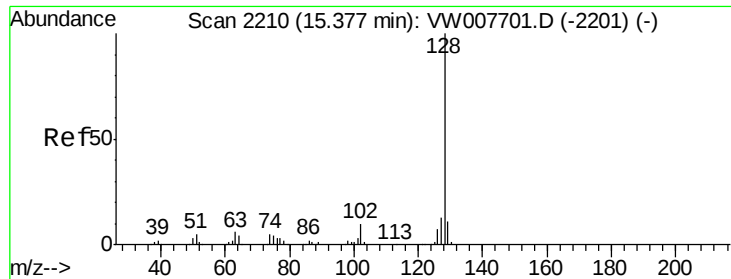
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#89
n-Butylbenzene
Concen: 458.385 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Tgt Ion: 91 Resp: 151291
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2#
134 430.0 13.7 41.0#





#95
Naphthalene
Concen: 15497.928 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007793.D
Acq: 21 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-DS002-01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.0	8.8	13.2

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