

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007891.D
 Acq On : 24 Dec 2018 16:17
 Operator : SY/AP
 Sample : J6426-12RE
 Misc : 6.40G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-3036-01RE

Manual Integrations
 APPROVED

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 12/26/2018 4:39:04 PM

Quant Time: Dec 26 06:22:32 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	17608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	29674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	22864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8139	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	11760	60.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.88%	
35) Dibromofluoromethane	7.88	113	9211	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.32	98	30775	45.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.20%	
62) 4-Bromofluorobenzene	12.62	95	9923	37.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.28%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	2407	66.603	ug/l	97
25) 2-Butanone	7.18	43	1029	24.309	ug/l #	78
31) Cyclohexane	7.95	56	1483	5.162	ug/l #	78
39) Methylcyclohexane	9.33	83	3198	8.986	ug/l	89
52) Toluene	10.39	92	39779	77.576	ug/l	100
65) Chlorobenzene	11.66	112	86790	175.378	ug/l	96
67) Ethyl Benzene	11.73	91	6922	8.151	ug/l	97
68) m/p-Xylenes	11.84	106	15056	45.705	ug/l	95
69) o-Xylene	12.17	106	4033	13.061	ug/l	94
73) Isopropylbenzene	12.47	105	16362	26.595	ug/l	98
78) n-propylbenzene	12.81	91	25280	35.300	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	117555	219.534	ug/l	99
85) sec-Butylbenzene	13.39	105	2115m	3.296	ug/l	
86) p-Isopropyltoluene	13.51	119	1444	2.475	ug/l	87
87) 1,3-Dichlorobenzene	13.51	146	6206	22.169	ug/l	92
88) 1,4-Dichlorobenzene	13.58	146	82676	295.250	ug/l	99
95) Naphthalene	15.38	128	4206	13.076	ug/l	98

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

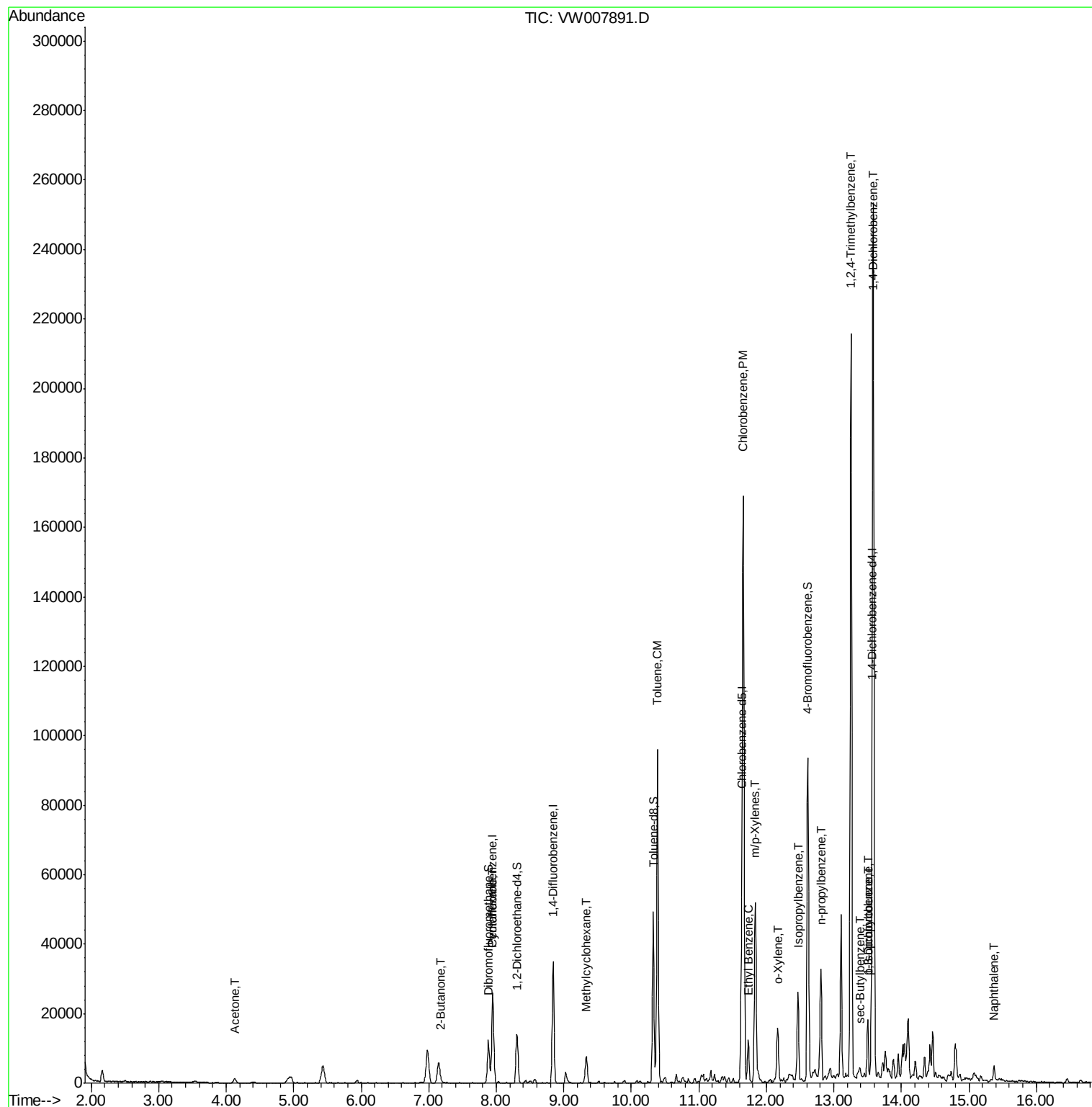
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\
Data File : VW007891.D
Acq On : 24 Dec 2018 16:17
Operator : SY/AP
Sample : J6426-12RE
Misc : 6.40G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

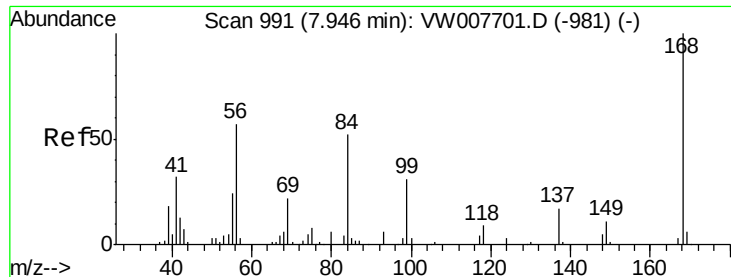
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3036-01RE

Manual Integrations
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Quant Time: Dec 26 06:22:32 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007891.D

Acq: 24 Dec 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3036-01RE

Tot Ion:168 Resp: 17608

Ion Ratio Lower Upper

168 100

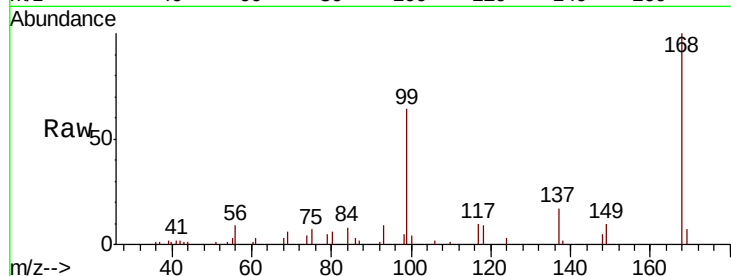
99 64.2 54.0 81.0

Manual Integrations

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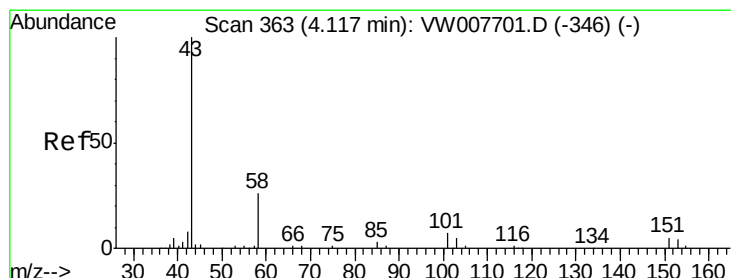
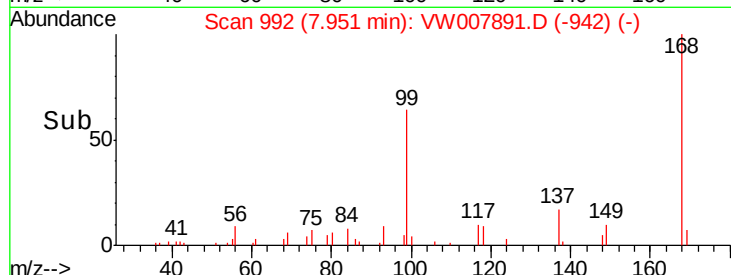
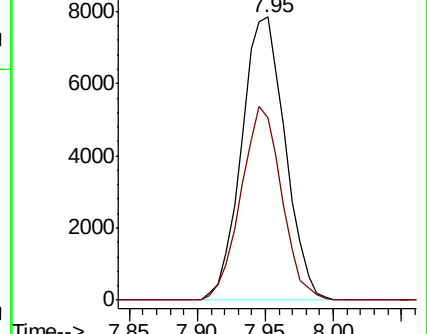
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 66.603 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007891.D

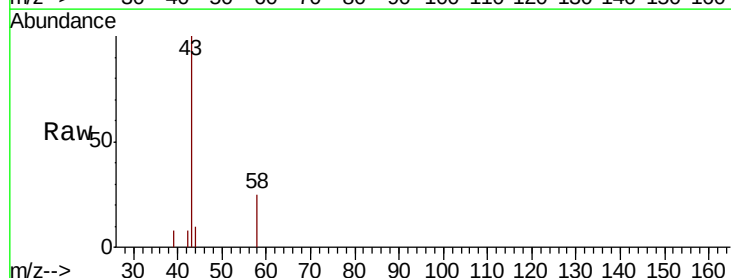
Acq: 24 Dec 2018 16:17

Tgt Ion: 43 Resp: 2407

Ion Ratio Lower Upper

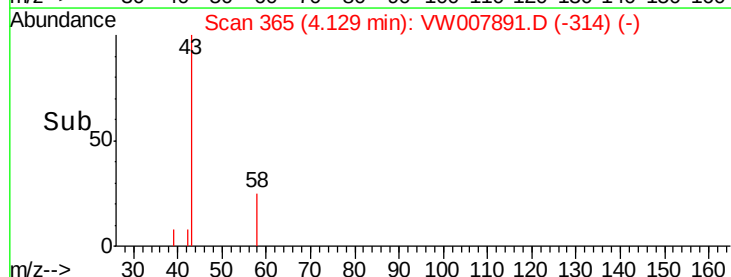
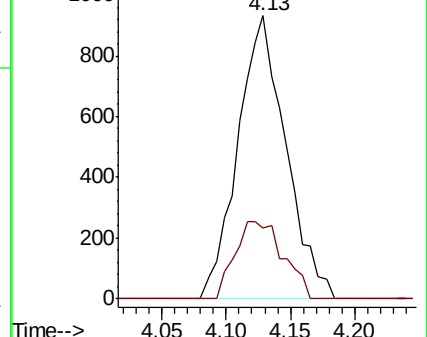
43 100

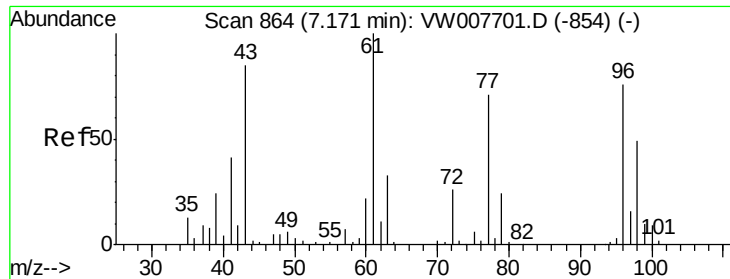
58 25.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





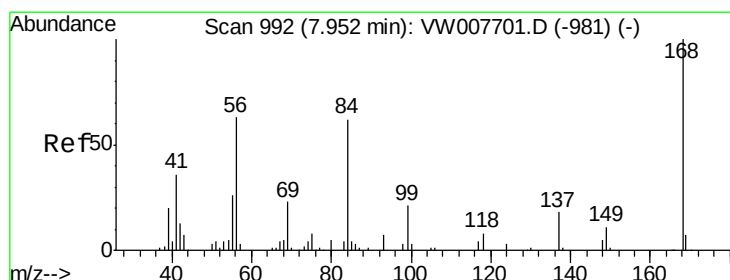
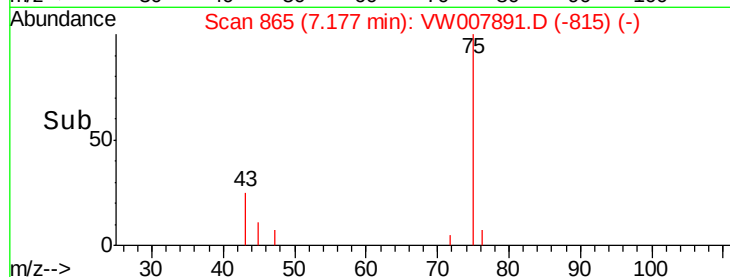
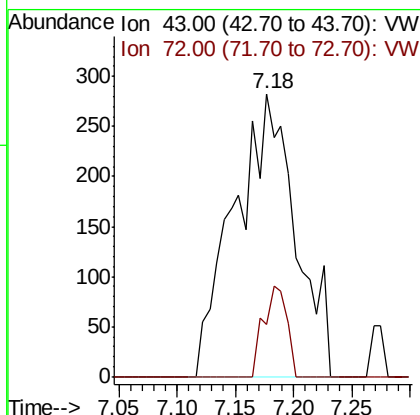
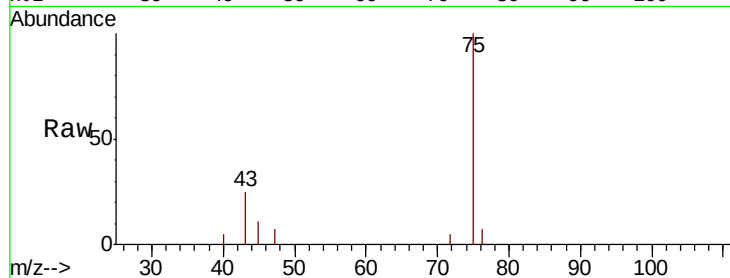
#25
2-Butanone
Concen: 24.309 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3036-01RE

Tot Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
72 18.4 24.5 36.7#

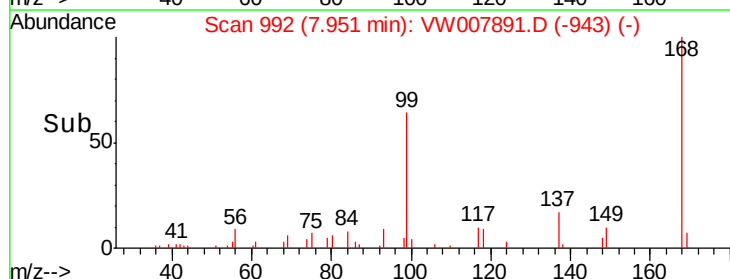
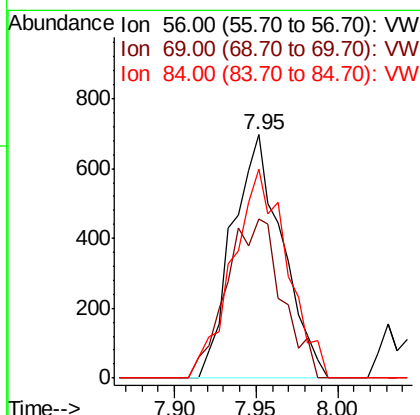
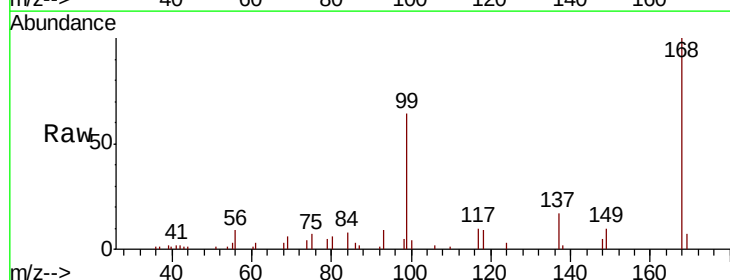
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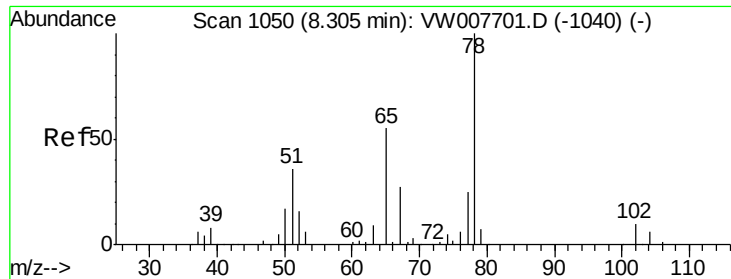
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#31
Cyclohexane
Concen: 5.162 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Tgt Ion: 56 Resp: 1483
Ion Ratio Lower Upper
56 100
69 65.6 29.7 44.5#
84 85.8 78.9 118.3





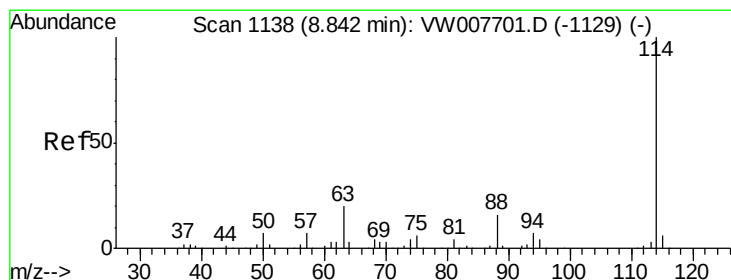
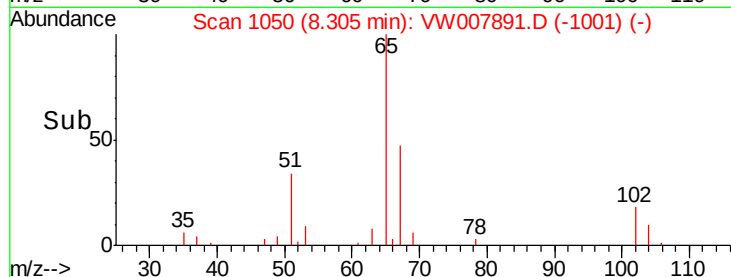
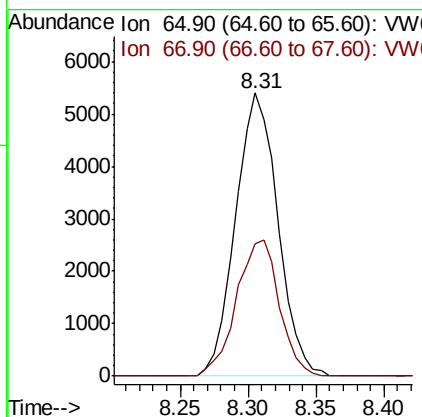
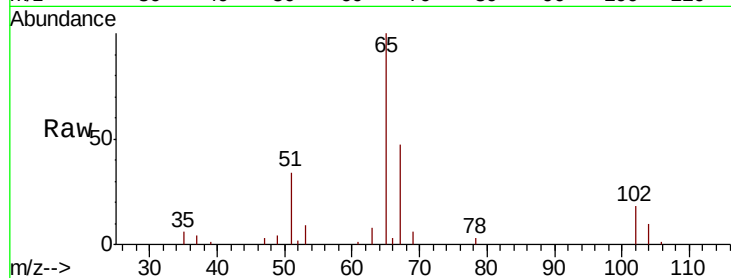
#33
 1,2-Dichloroethane-d4
 Concen: 60.935 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007891.D
 Acq: 24 Dec 2018 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-3036-01RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	11760		
67	48.6	0.0	100.6	

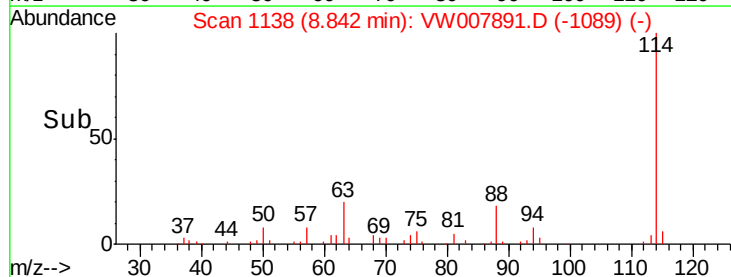
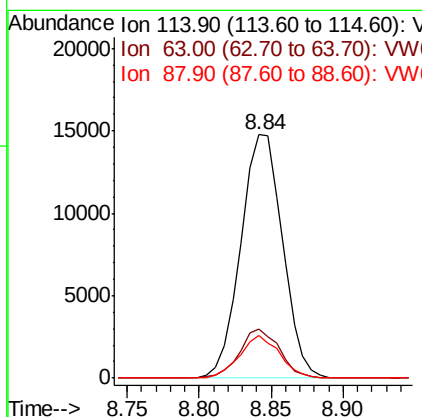
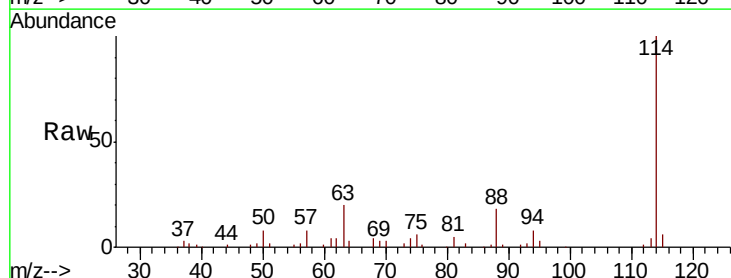
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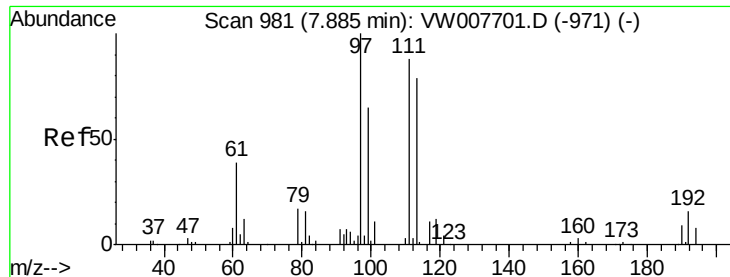
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007891.D
 Acq: 24 Dec 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	29674		
63	20.2	0.0	40.0	
88	17.7	0.0	32.6	





#35

Dibromofluoromethane

Concen: 50.882 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007891.D

Acq: 24 Dec 2018 16:17

Instrument :

MSVOA_W

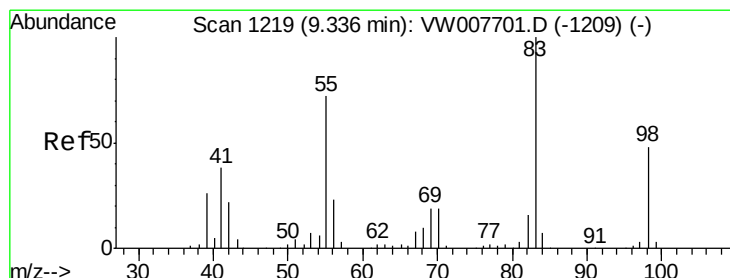
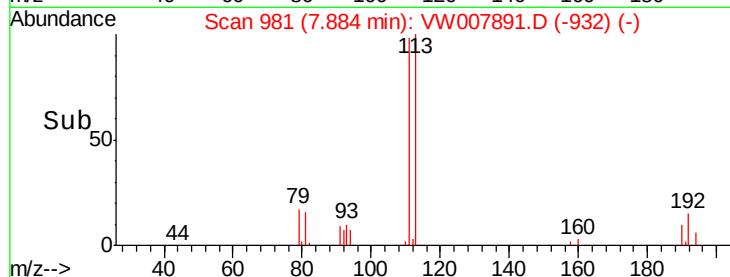
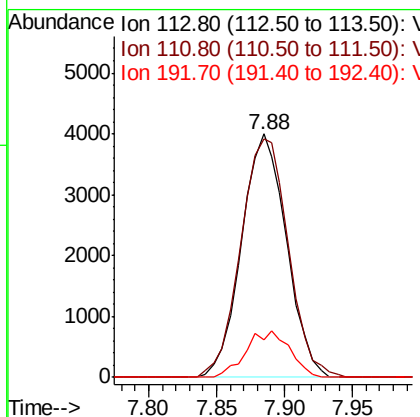
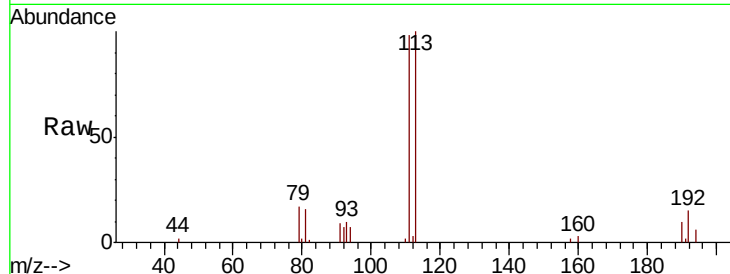
ClientSampleId :

P001-SS013B-3036-01RE

Tot Ion:	113	Resp:	9211
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	124.0
192	18.6	15.5	23.3

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#39

Methylcyclohexane

Concen: 8.986 ug/l

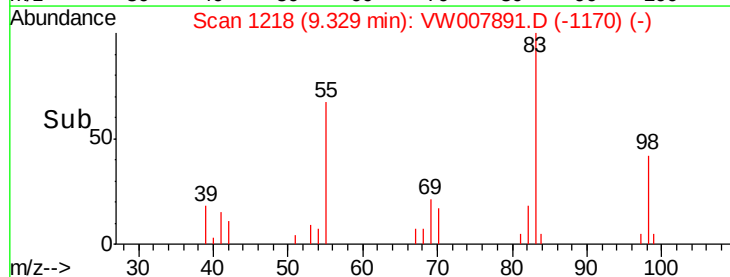
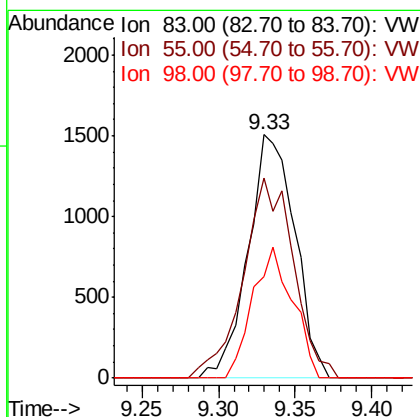
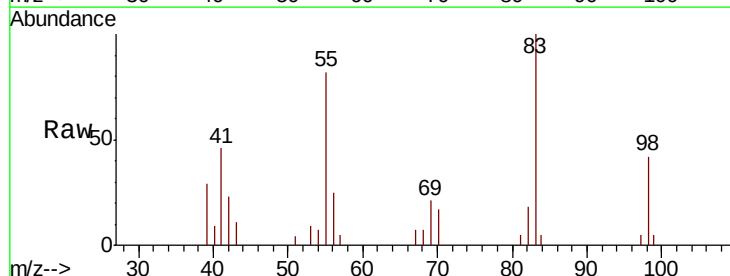
RT: 9.33 min Scan# 1218

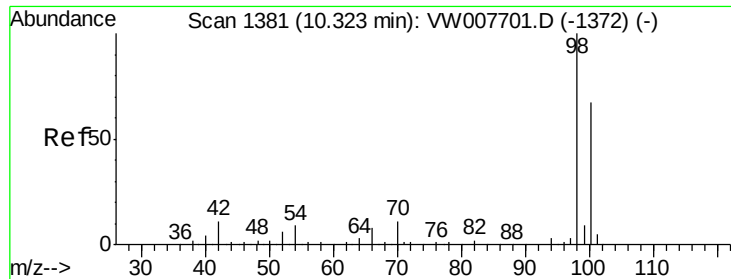
Delta R.T. -0.01 min

Lab File: VW007891.D

Acq: 24 Dec 2018 16:17

Tgt Ion:	83	Resp:	3198
Ion	Ratio	Lower	Upper
83	100		
55	82.0	57.2	85.8
98	41.9	38.6	58.0





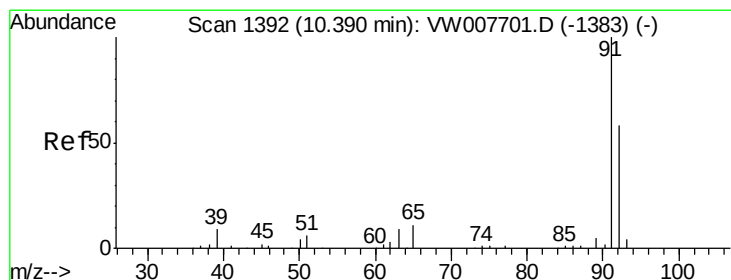
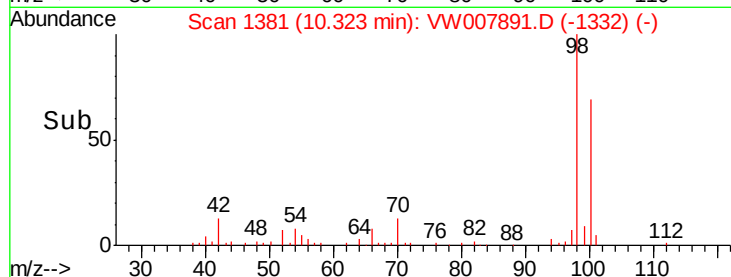
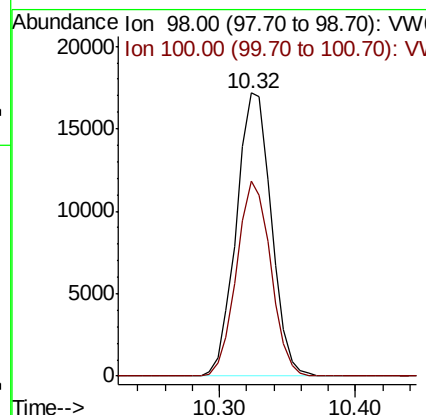
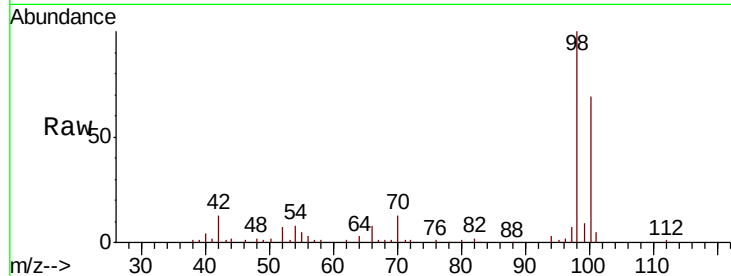
#50
Toluene-d8
Concen: 45.095 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3036-01RE

Tot Ion: 98 Resp: 30775
Ion Ratio Lower Upper
98 100
100 67.1 52.2 78.2

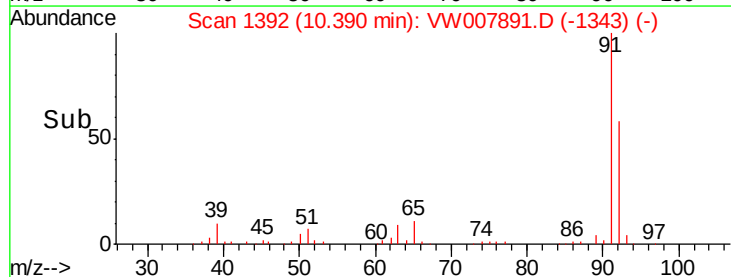
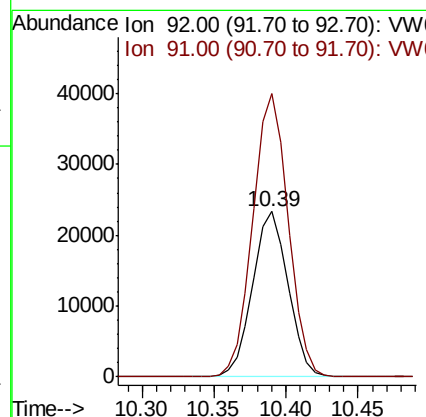
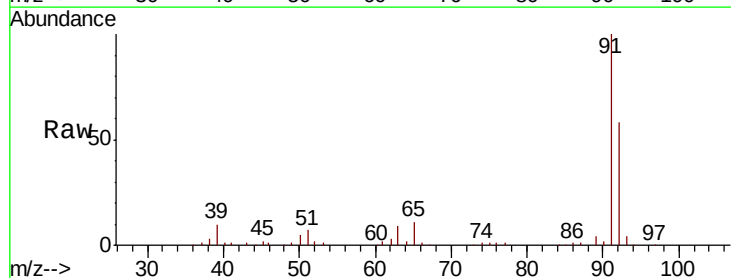
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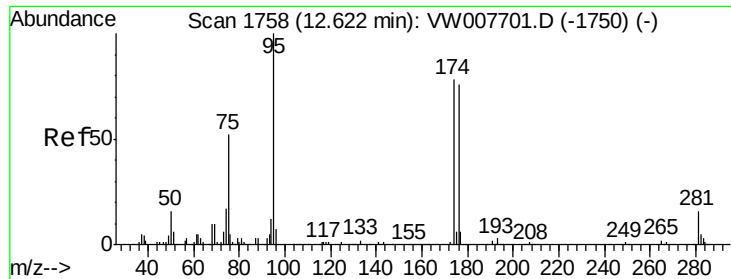
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#52
Toluene
Concen: 77.576 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Tgt Ion: 92 Resp: 39779
Ion Ratio Lower Upper
92 100
91 171.4 137.0 205.4





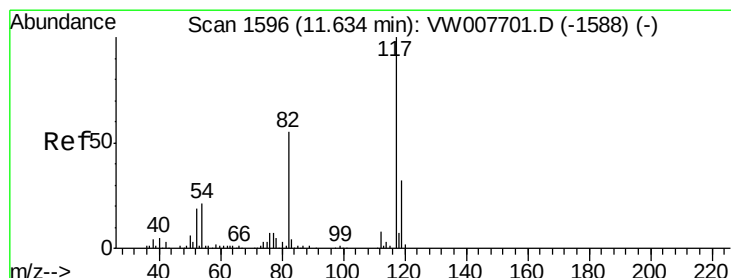
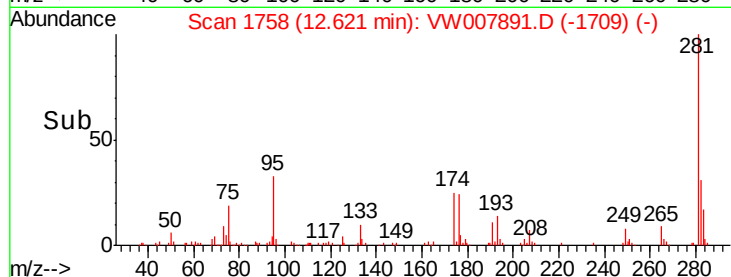
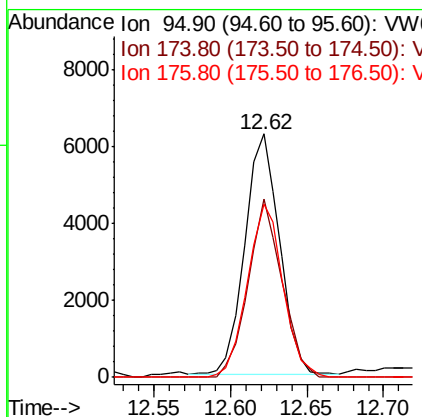
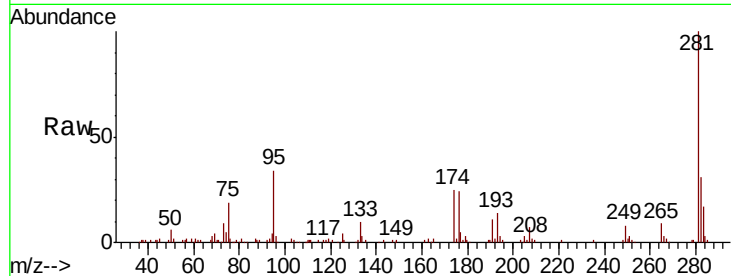
#62
4-Bromofluorobenzene
Concen: 37.638 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3036-01RE

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	152.2
176	73.3	0.0	146.8

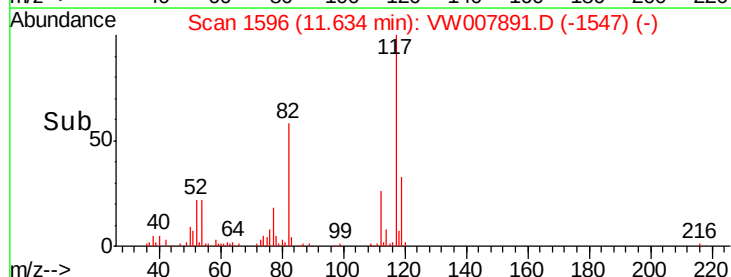
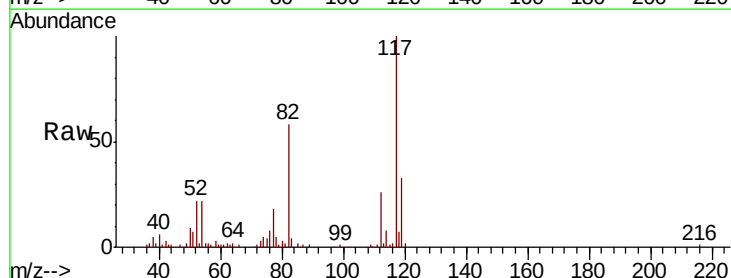
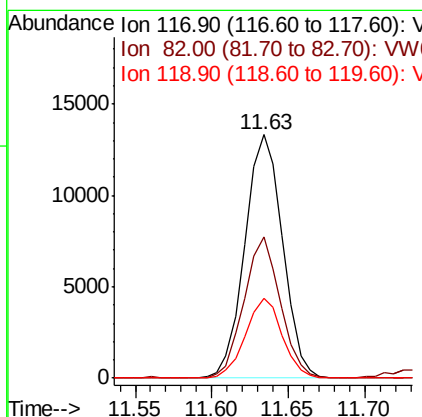
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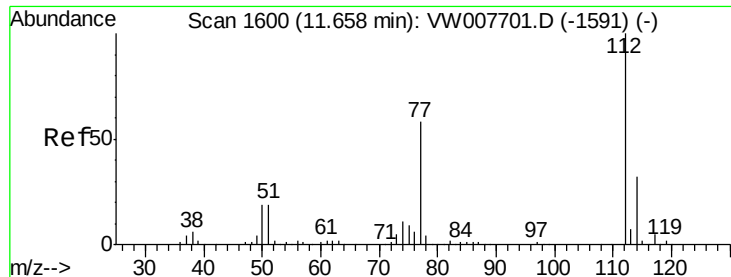
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.3	66.5
119	33.0	25.7	38.5





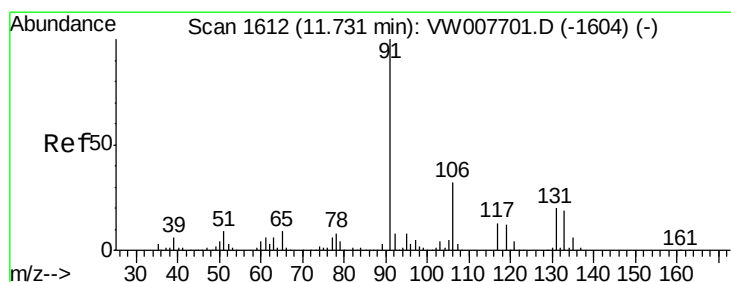
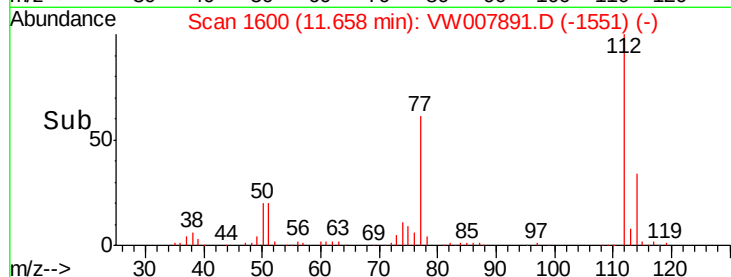
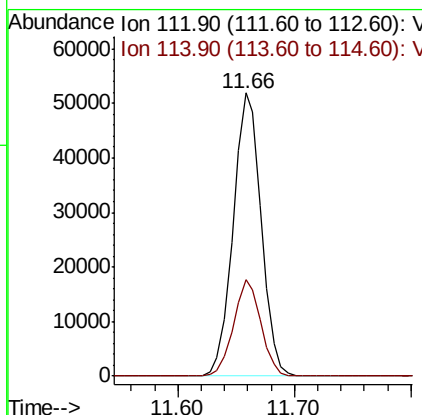
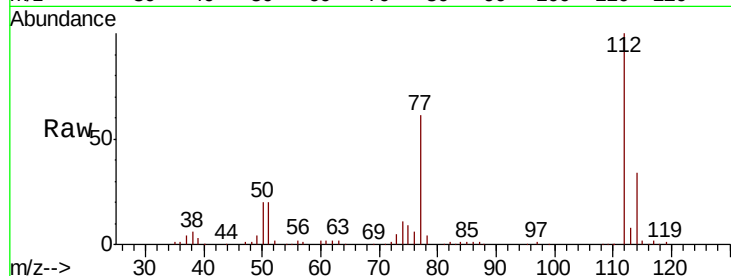
#65
Chlorobenzene
Concen: 175.378 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3036-01RE

Tot Ion:112 Resp: 86790
Ion Ratio Lower Upper
112 100
114 33.9 25.2 37.8

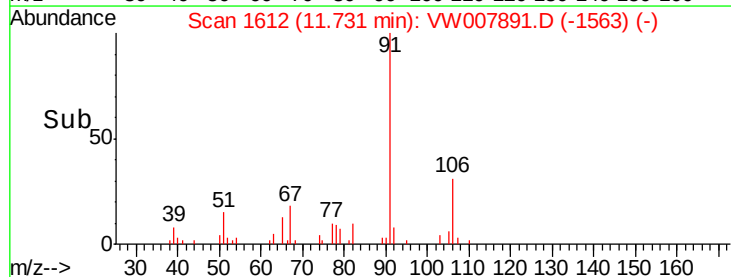
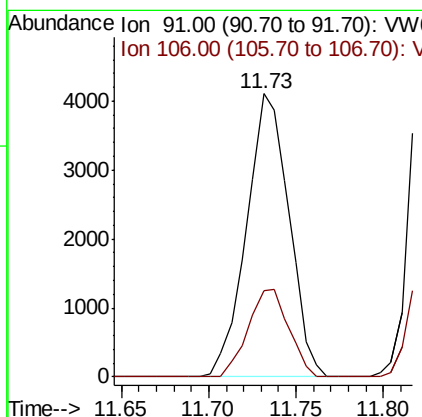
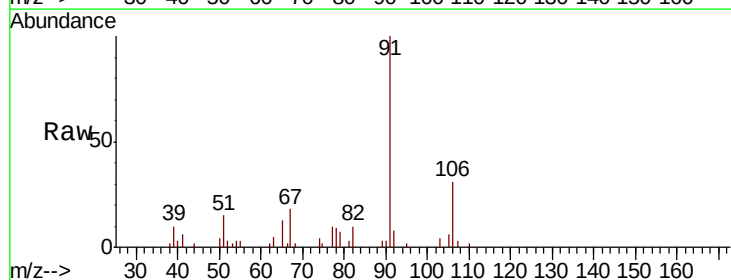
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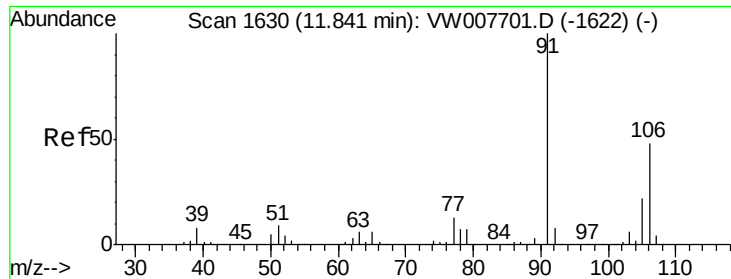
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#67
Ethyl Benzene
Concen: 8.151 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Tgt Ion: 91 Resp: 6922
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8





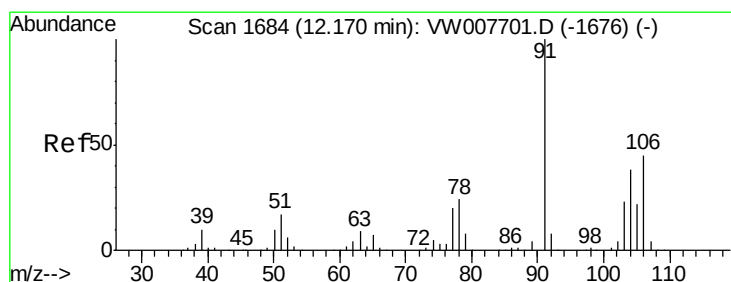
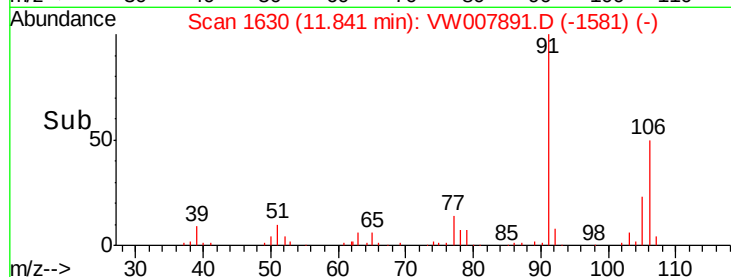
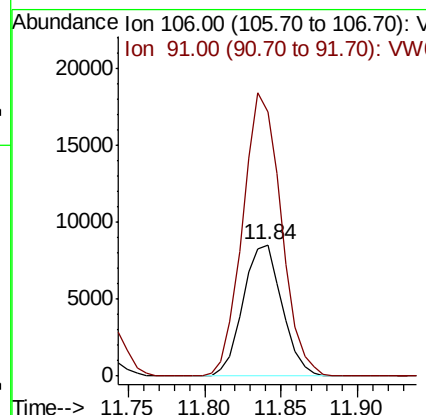
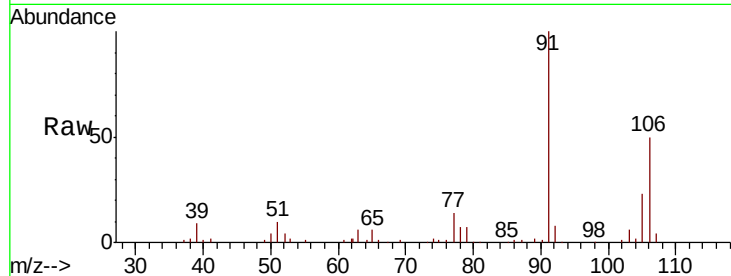
#68
m/p-Xylenes
Concen: 45.705 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3036-01RE

Tot Ion:106 Resp: 15056
Ion Ratio Lower Upper
106 100
91 214.4 165.2 247.8

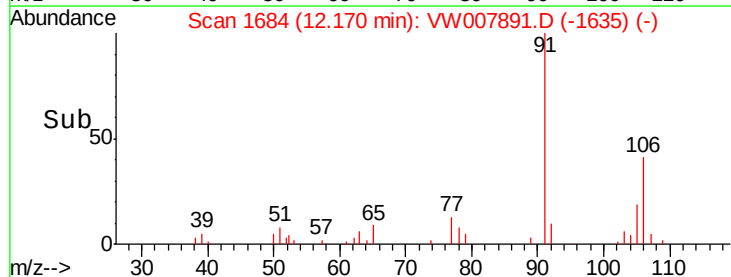
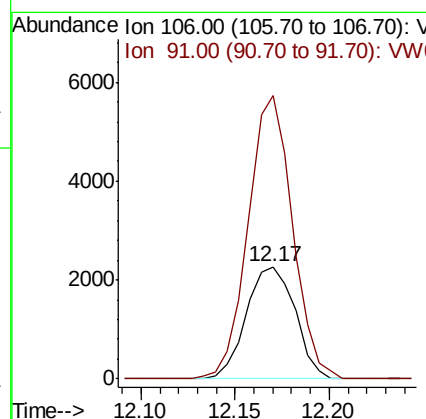
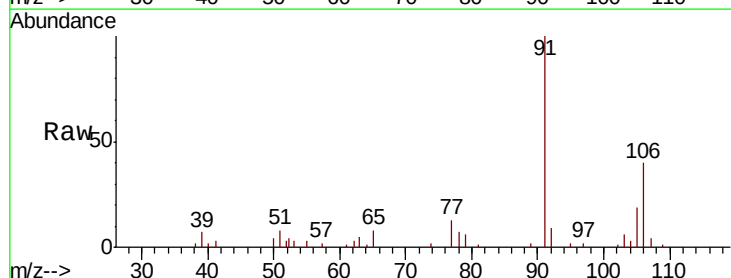
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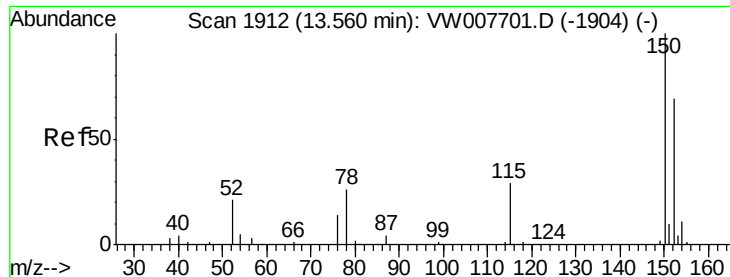
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#69
o-Xylene
Concen: 13.061 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Tgt Ion:106 Resp: 4033
Ion Ratio Lower Upper
106 100
91 231.2 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007891.D

Acq: 24 Dec 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3036-01RE

Tot Ion:152 Resp: 8139

Ion Ratio Lower Upper

152 100

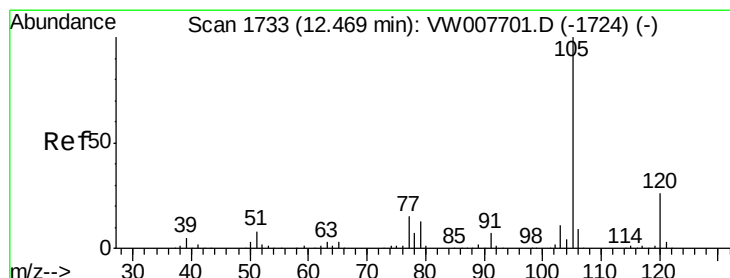
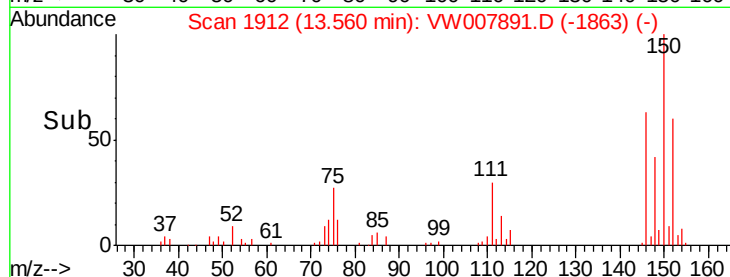
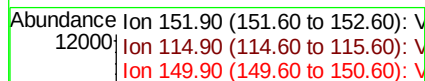
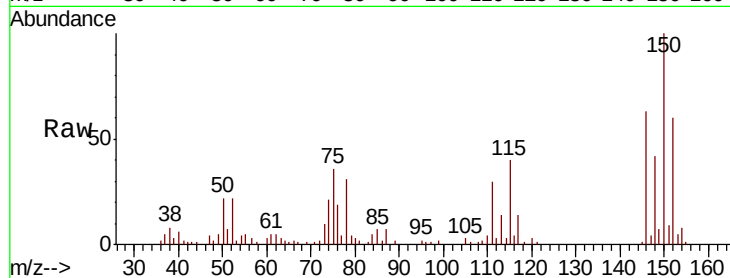
115 78.5 31.8 95.4

150 257.2 0.0 350.8

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#73

Isopropylbenzene

Concen: 26.595 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007891.D

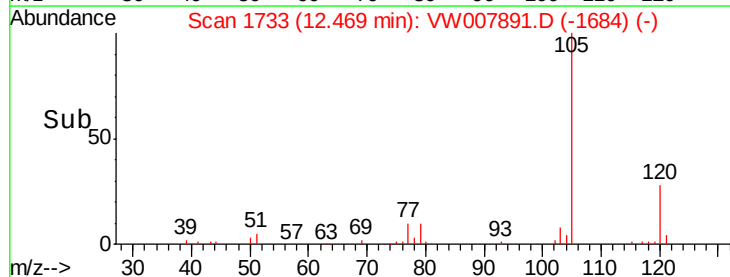
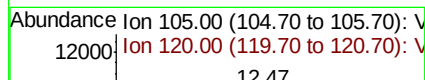
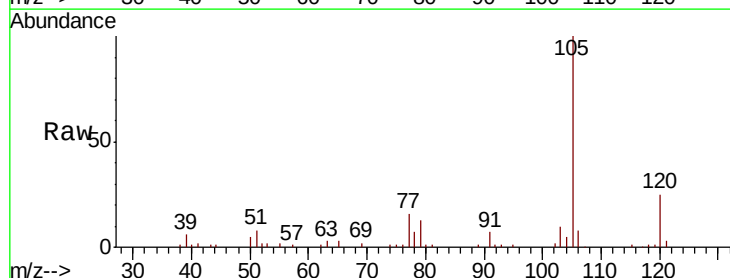
Acq: 24 Dec 2018 16:17

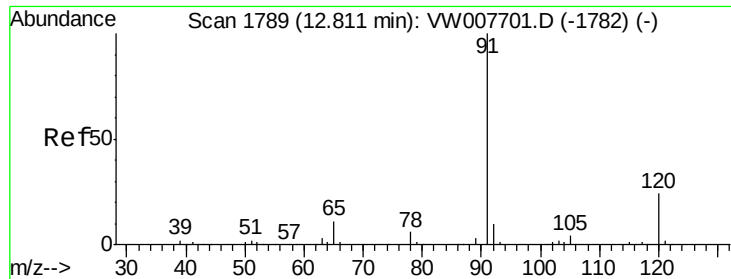
Tgt Ion:105 Resp: 16362

Ion Ratio Lower Upper

105 100

120 25.1 13.1 39.3





#78

n-propylbenzene

Concen: 35.300 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007891.D

Acq: 24 Dec 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3036-01RE

Tot Ion: 91 Resp: 25280

Ion Ratio Lower Upper

91 100

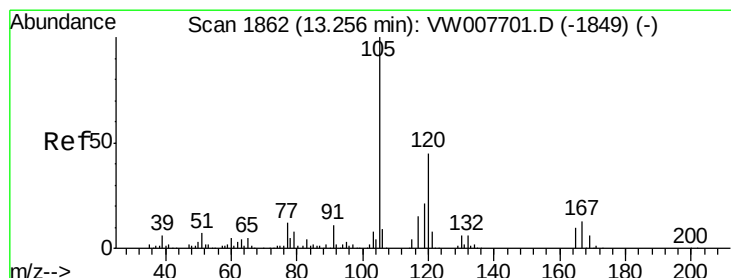
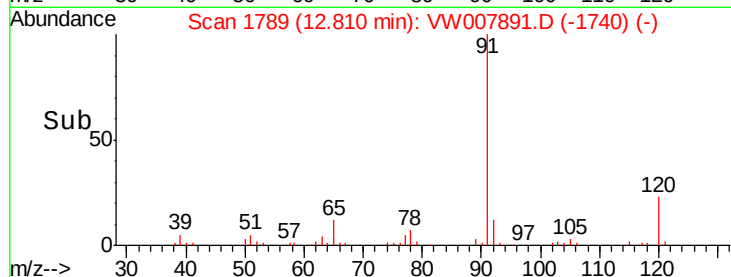
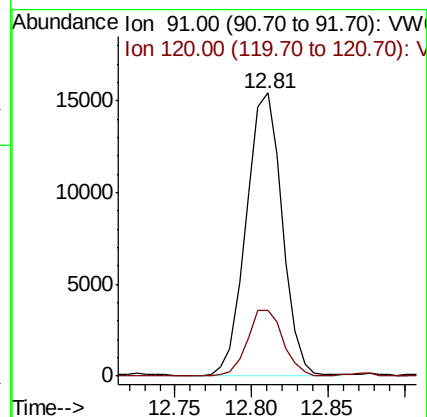
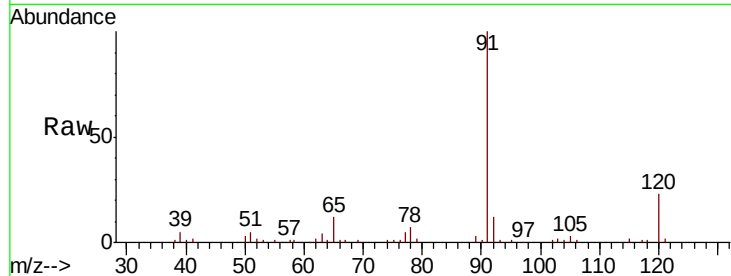
120 23.2 11.9 35.7

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#84

1,2,4-Trimethylbenzene

Concen: 219.534 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007891.D

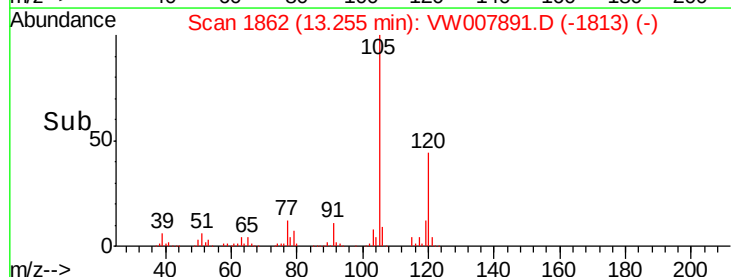
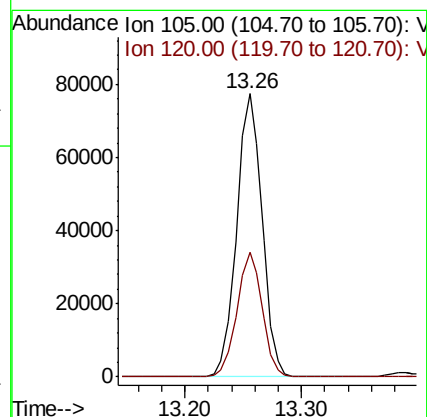
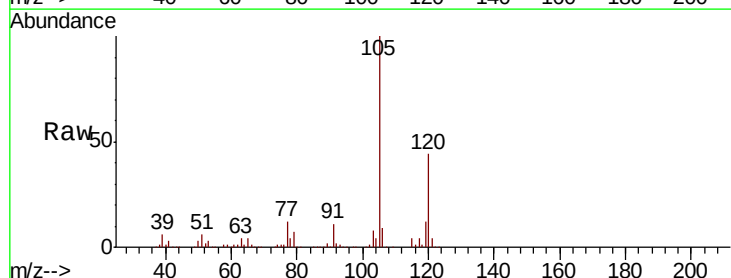
Acq: 24 Dec 2018 16:17

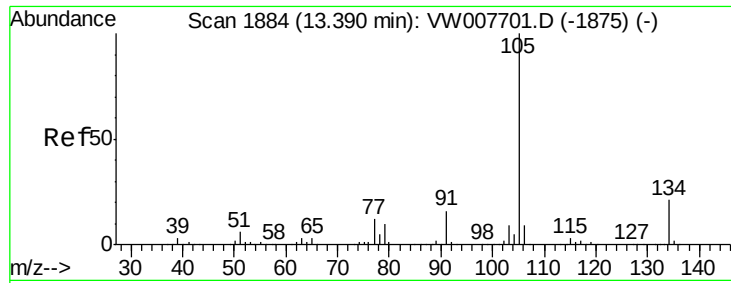
Tgt Ion:105 Resp: 117555

Ion Ratio Lower Upper

105 100

120 43.6 22.0 66.0





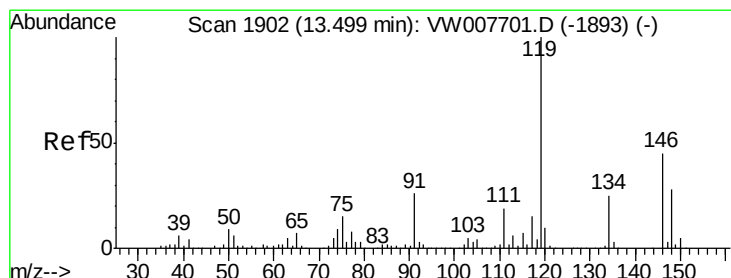
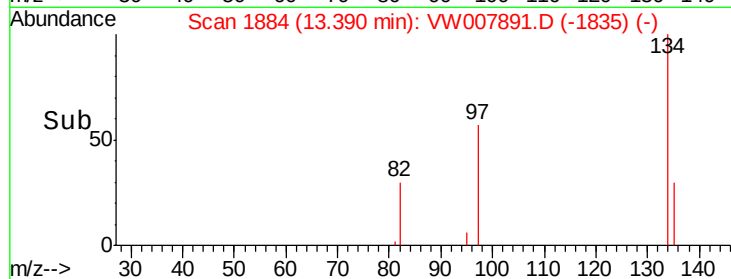
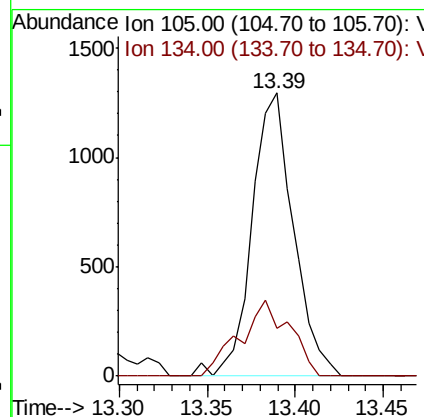
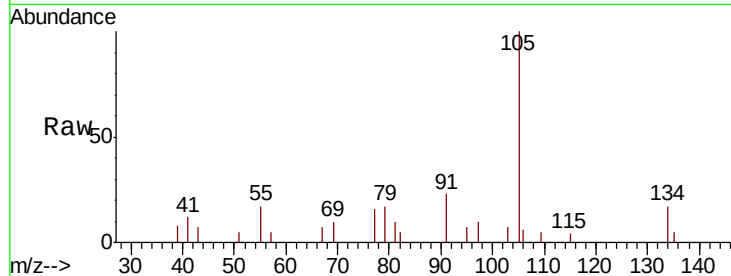
#85
 sec-Butylbenzene
 Concen: 3.296 ug/l m
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007891.D
 Acq: 24 Dec 2018 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-3036-01RE

Tot Ion:105 Resp: 2115
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

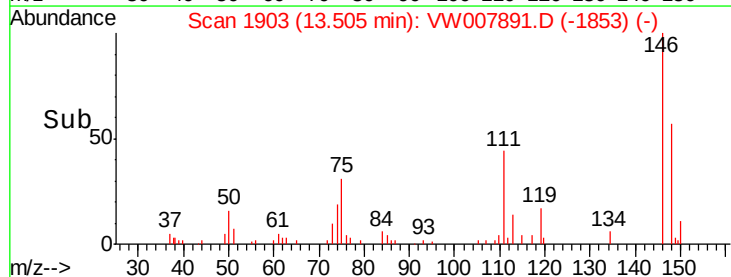
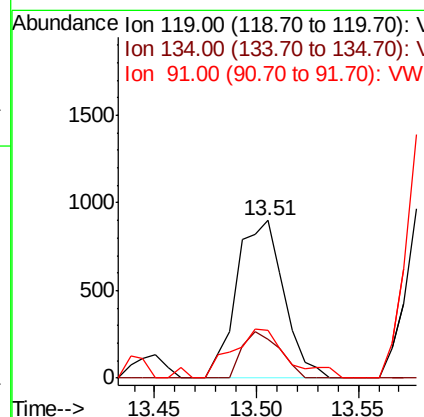
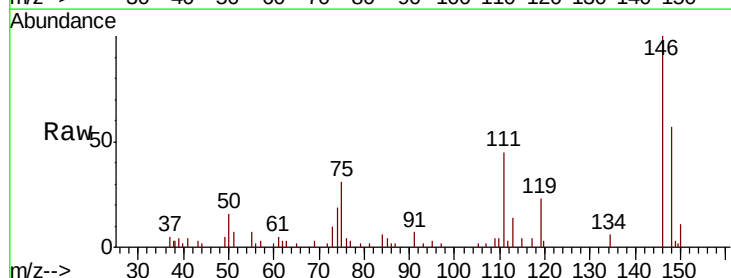
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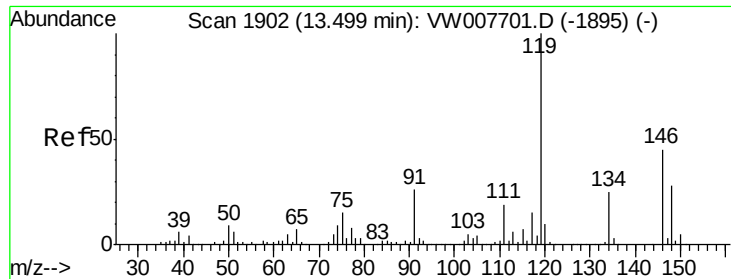
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#86
 p-Isopropyltoluene
 Concen: 2.475 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007891.D
 Acq: 24 Dec 2018 16:17

Tgt Ion:119 Resp: 1444
 Ion Ratio Lower Upper
 119 100
 134 23.3 13.0 39.0
 91 35.9 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 22.169 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007891.D

Acq: 24 Dec 2018 16:17

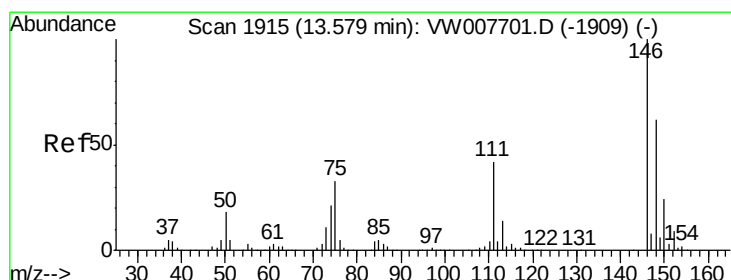
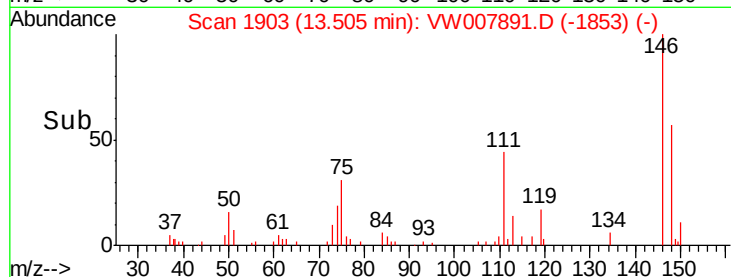
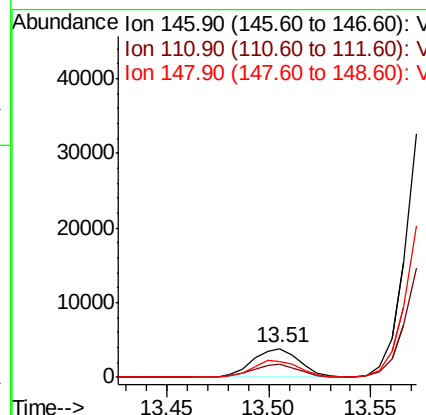
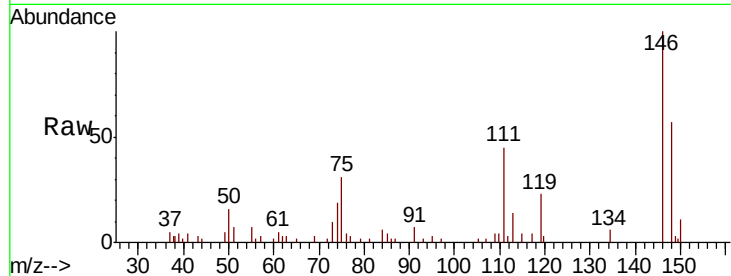
Instrument :
MSVOA_W

ClientSampleId :
P001-SS013B-3036-01RE

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	21.1	63.4
148	58.0	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 295.250 ug/l

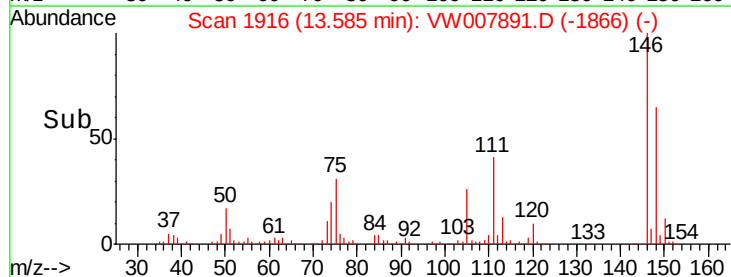
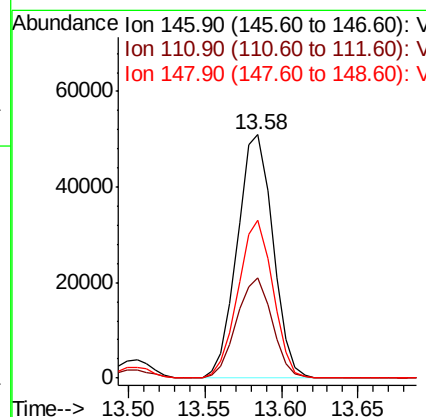
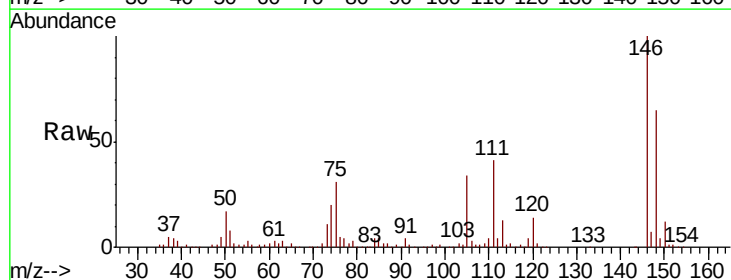
RT: 13.58 min Scan# 1916

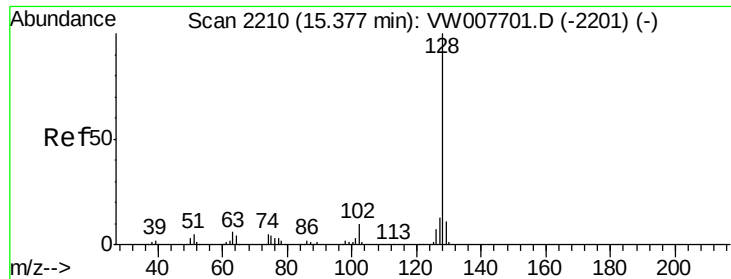
Delta R.T. 0.01 min

Lab File: VW007891.D

Acq: 24 Dec 2018 16:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	63.6	31.8	95.4





#95
Naphthalene
Concen: 13.076 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007891.D
Acq: 24 Dec 2018 16:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3036-01RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.7	16.1
129	11.2	8.8	13.2

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