

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007592.D
 Acq On : 15 Dec 2018 19:36
 Operator : SY/AP
 Sample : J6378-06
 Misc : 2.63G/5ML/MSVOA_W/SOIL
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD010-0006-01

Manual Integrations
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Quant Time: Dec 15 22:45:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	35625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	58935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	34236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8705	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	29960	75.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	151.60%	
35) Dibromofluoromethane	7.88	113	23513	65.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.82%	
50) Toluene-d8	10.32	98	62001	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.62	95	13602	27.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.32%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	10014	145.057	ug/l	94
25) 2-Butanone	7.17	43	5725	63.523	ug/l	92
31) Cyclohexane	7.95	56	40897	66.609	ug/l	97
39) Methylcyclohexane	9.34	83	62504	96.011	ug/l	91
40) Benzene	8.32	78	8700	5.831	ug/l	99
52) Toluene	10.39	92	1398	1.448	ug/l	89
65) Chlorobenzene	11.66	112	112685	157.913	ug/l	94
68) m/p-Xylenes	11.83	106	214499	449.733	ug/l	100
69) o-Xylene	12.17	106	541	1.215	ug/l	95
73) Isopropylbenzene	12.47	105	7533	11.294	ug/l	98
78) n-propylbenzene	12.81	91	12050	16.053	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	7935	14.158	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	78815	136.657	ug/l	99
85) sec-Butylbenzene	13.39	105	1856m	2.753	ug/l	
86) p-Isopropyltoluene	13.50	119	1576	2.602	ug/l	92
87) 1,3-Dichlorobenzene	13.51	146	18938	64.244	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	144733	488.378	ug/l	97
95) Naphthalene	15.38	128	6748	19.413	ug/l	98

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

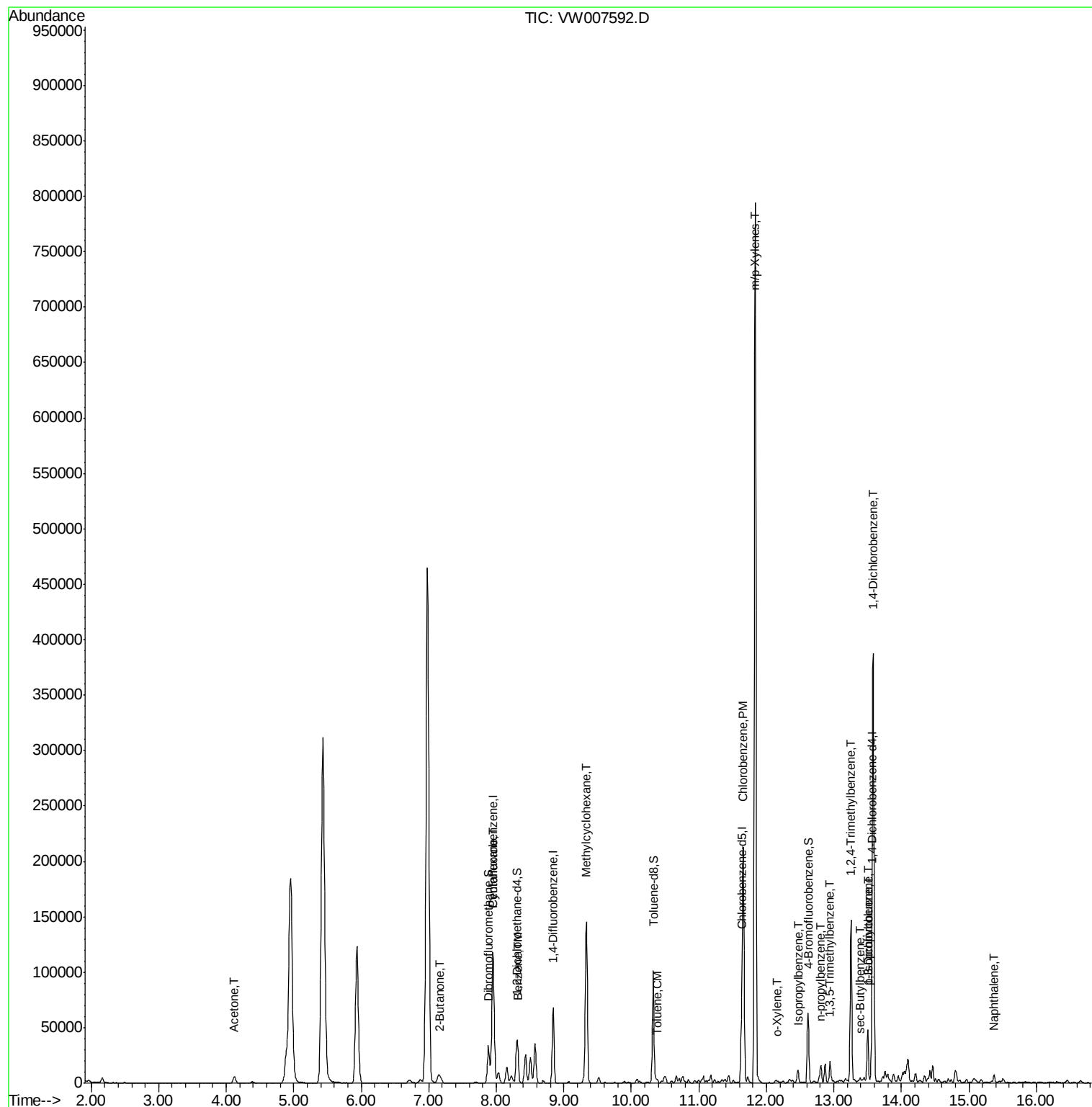
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
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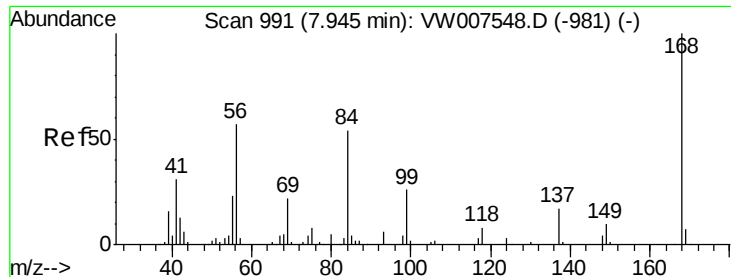
Instrument :
MSVOA_W
ClientSampleId :
P001-SD010-0006-01

Manual Integrations
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Quant Time: Dec 15 22:45:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD010-0006-01

Tgt Ion:168 Resp: 35625

Ion Ratio Lower Upper

168 100

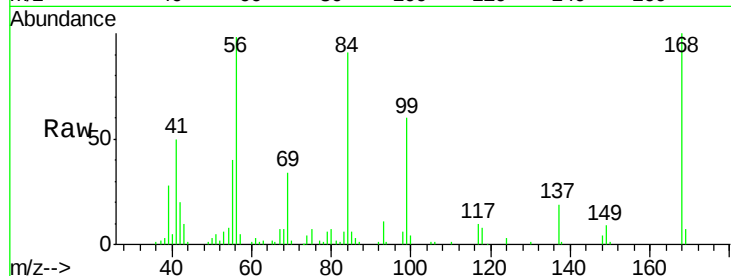
99 59.8 48.3 72.5

Manual Integrations

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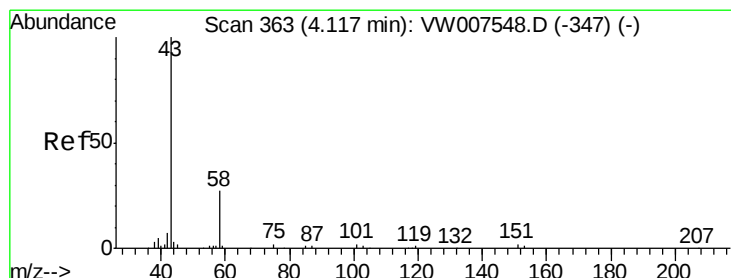
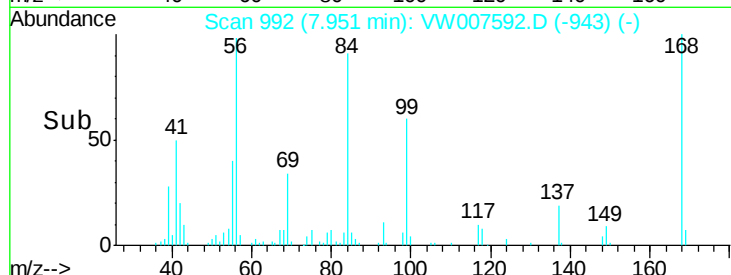
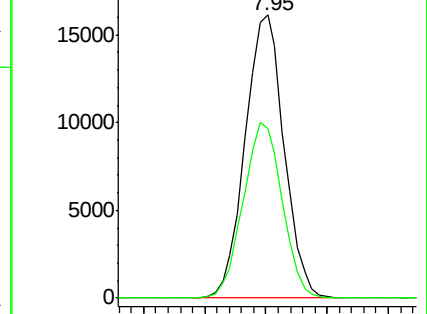
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Abundance Ion 167.90 (167.60 to 168.60): VW007548.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW007548.D (-981) (-)



#16

Acetone

Concen: 145.057 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007592.D

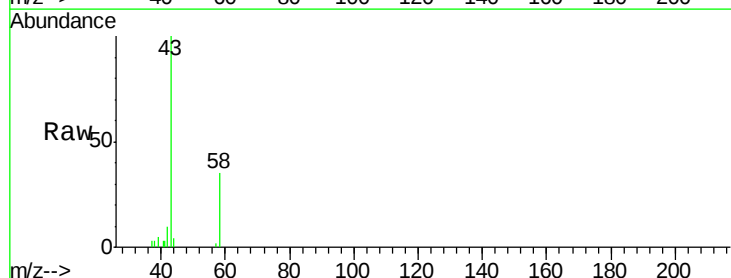
Acq: 15 Dec 2018 19:36

Tgt Ion: 43 Resp: 10014

Ion Ratio Lower Upper

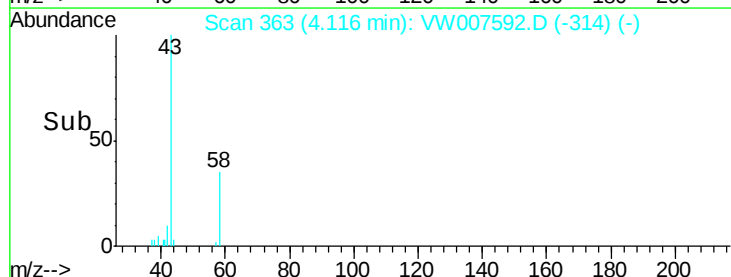
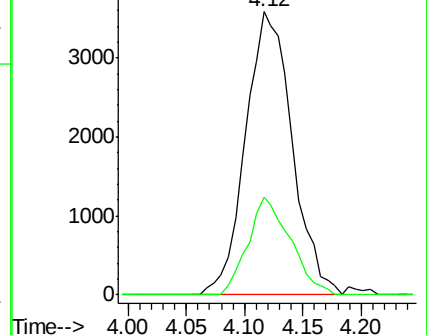
43 100

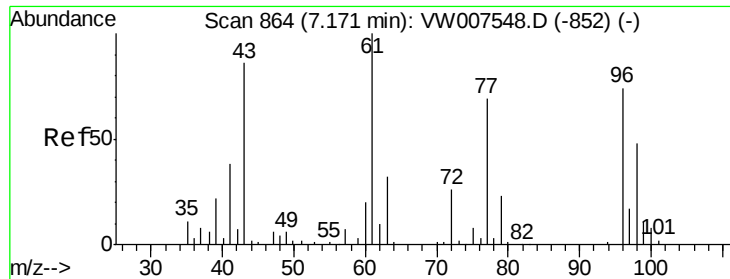
58 34.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW007548.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VW007548.D (-347) (-)





#25

2-Butanone

Concen: 63.523 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD010-0006-01

Tgt Ion: 43 Resp: 5725

Ion Ratio Lower Upper

43 100

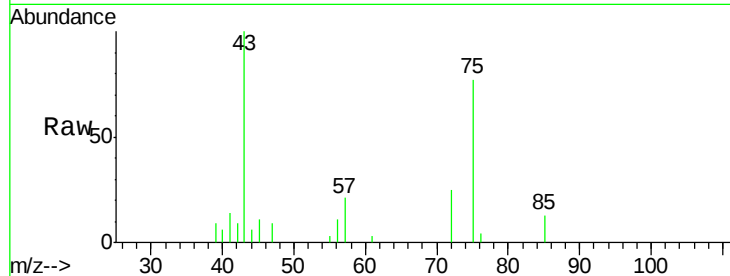
72 25.2 23.4 35.2

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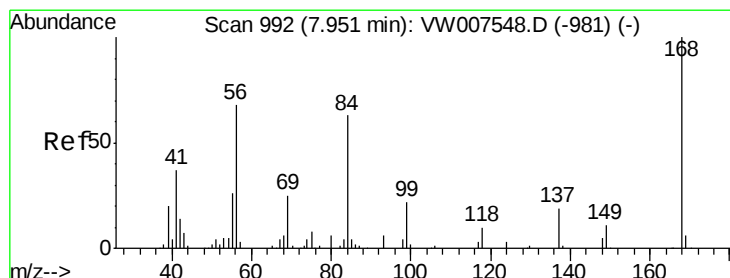
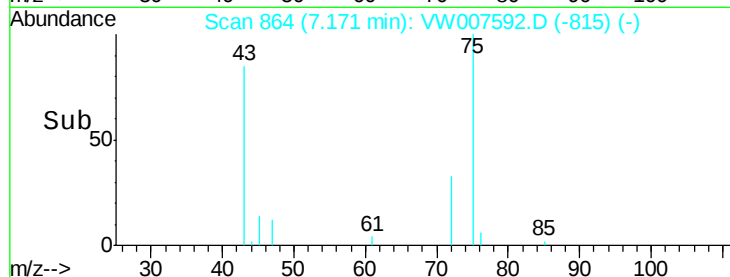
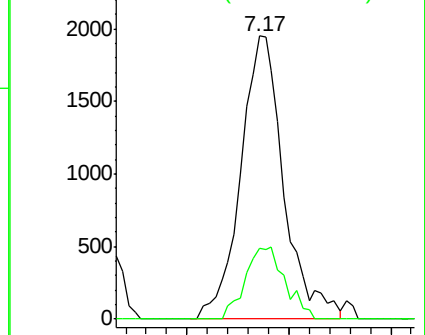
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 66.609 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

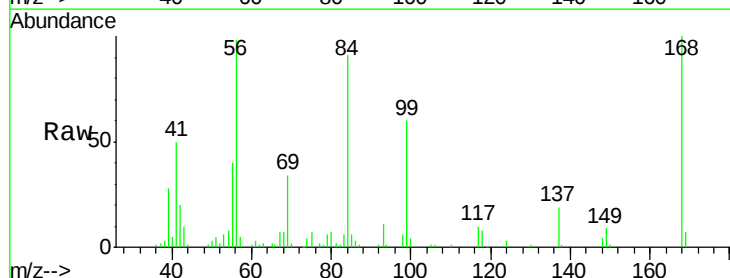
Tgt Ion: 56 Resp: 40897

Ion Ratio Lower Upper

56 100

69 35.0 28.9 43.3

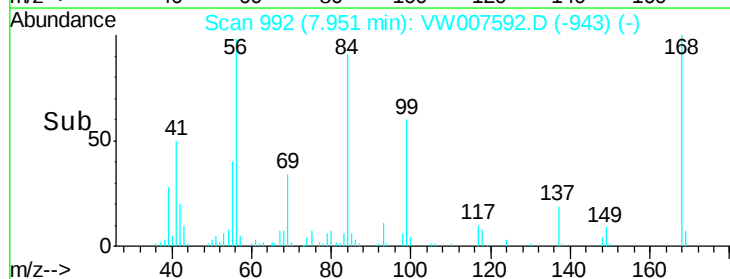
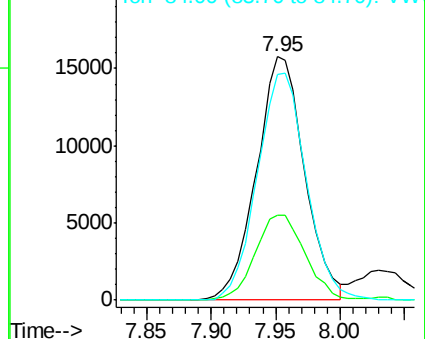
84 92.9 71.8 107.6

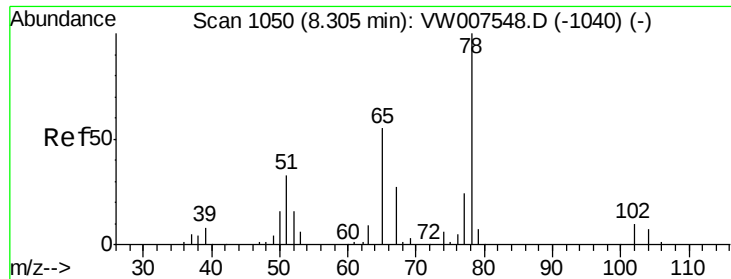


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





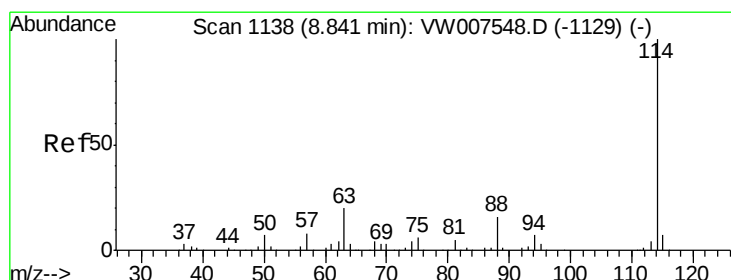
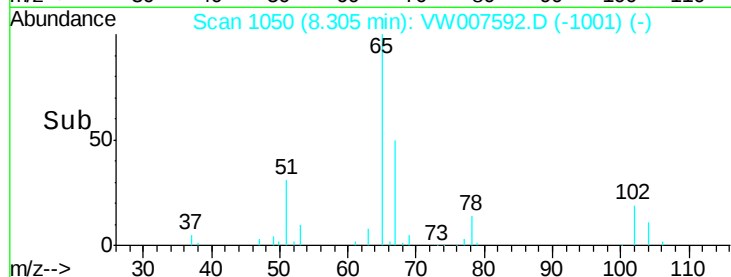
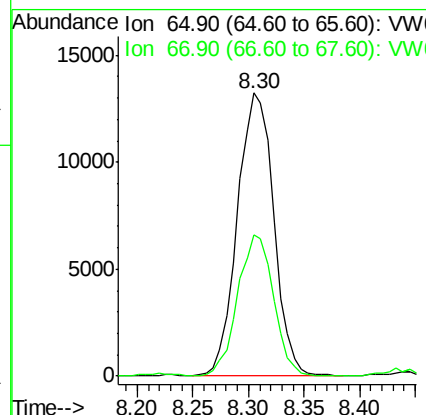
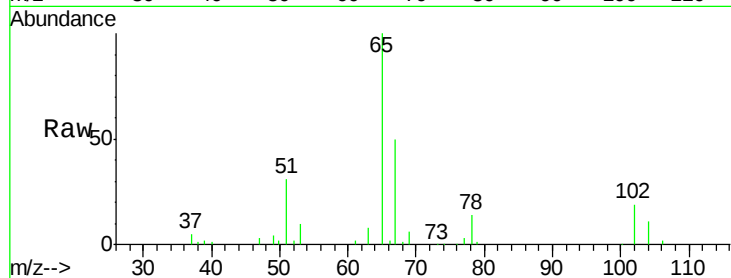
#33
 1,2-Dichloroethane-d4
 Concen: 75.804 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007592.D
 Acq: 15 Dec 2018 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD010-0006-01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	29960		
67	49.2	0.0	101.6	

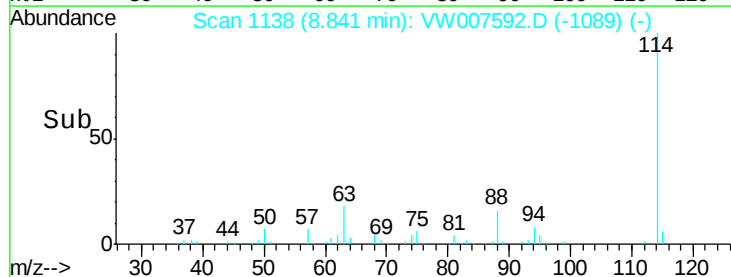
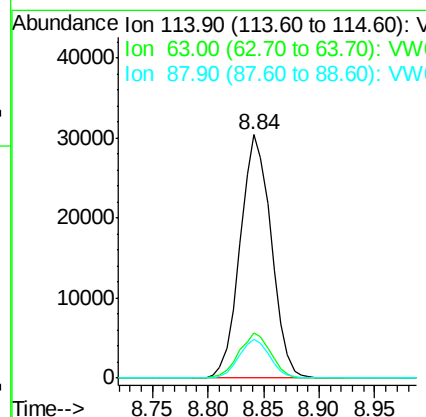
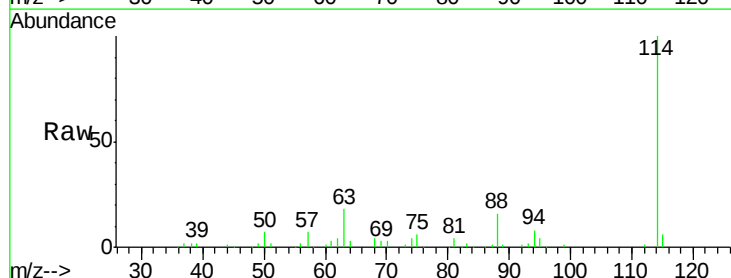
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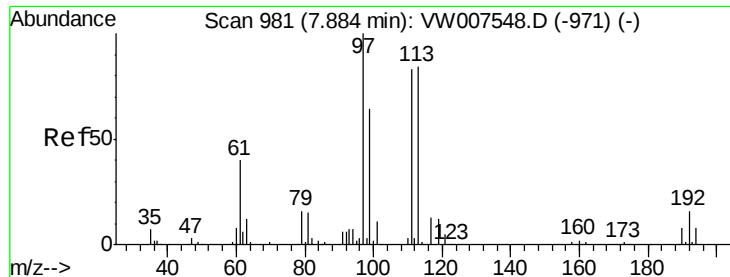
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007592.D
 Acq: 15 Dec 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	58935		
63	18.5	0.0	39.6	
88	16.0	0.0	31.4	





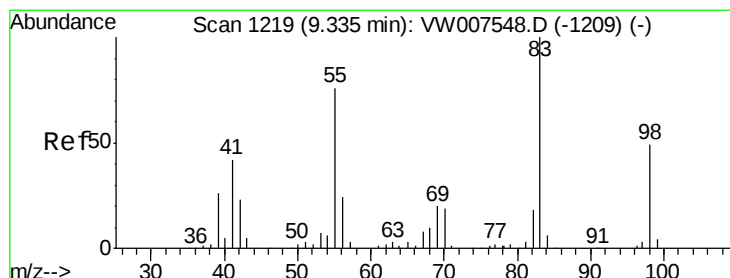
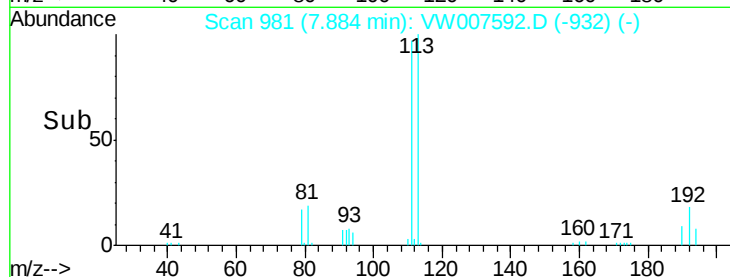
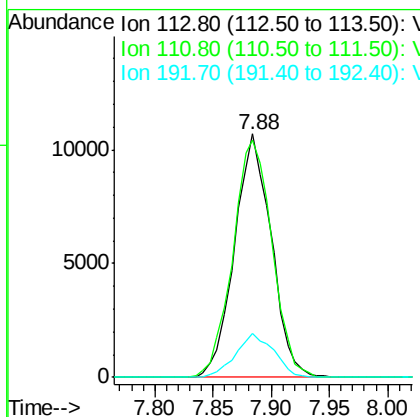
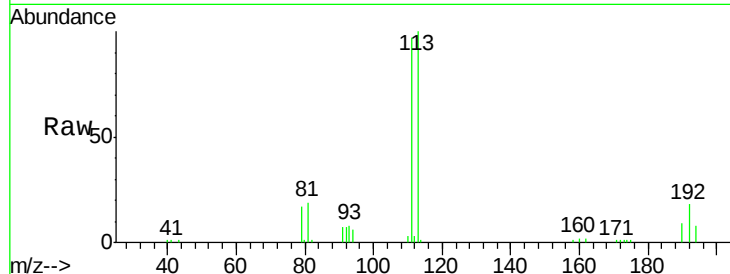
#35
 Dibromofluoromethane
 Concen: 65.908 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007592.D
 Acq: 15 Dec 2018 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD010-0006-01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.1	121.7
192	18.6	14.6	21.8

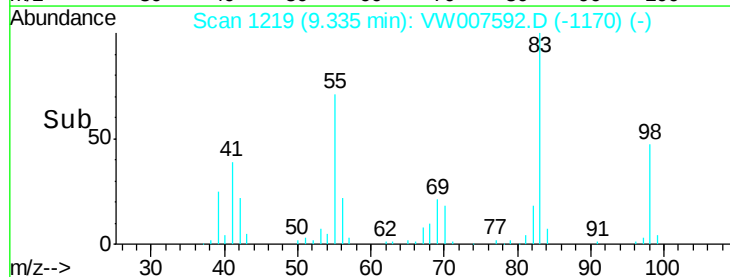
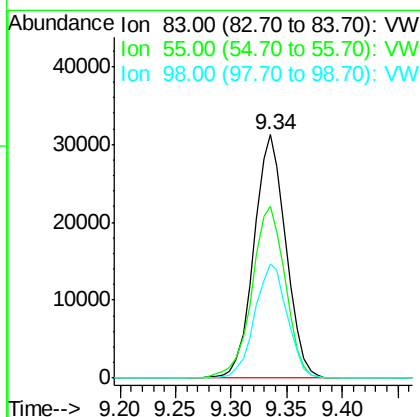
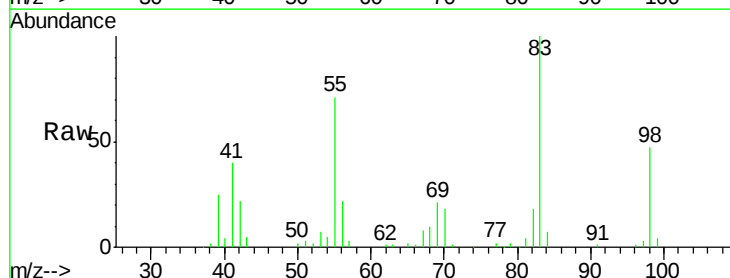
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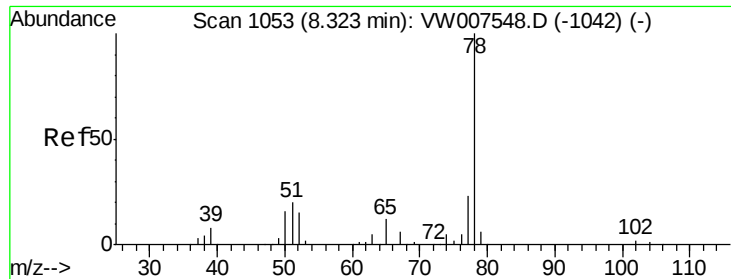
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#39
 Methylcyclohexane
 Concen: 96.011 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW007592.D
 Acq: 15 Dec 2018 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.7	62.8	94.2
98	47.1	42.2	63.2





#40

Benzene

Concen: 5.831 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD010-0006-01

Tgt Ion: 78 Resp: 8700

Ion Ratio Lower Upper

78 100

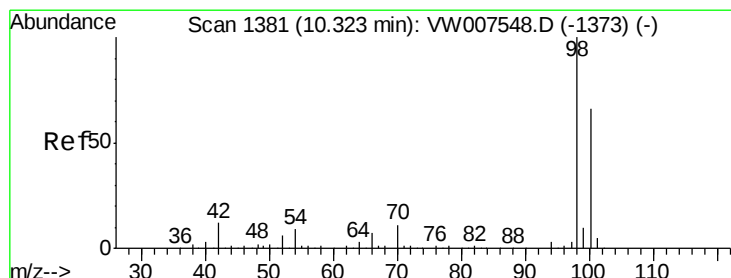
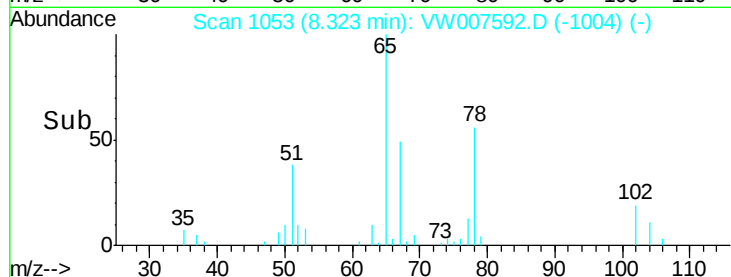
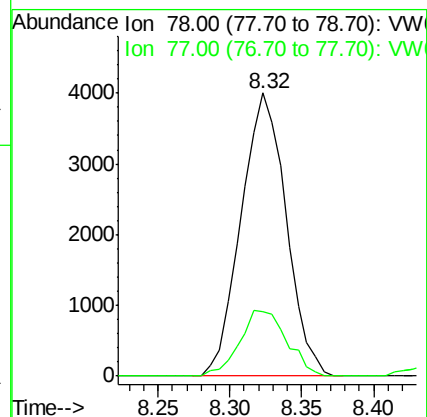
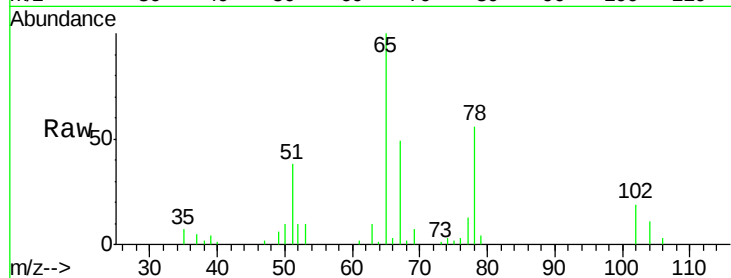
77 22.9 18.8 28.2

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#50

Toluene-d8

Concen: 46.351 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007592.D

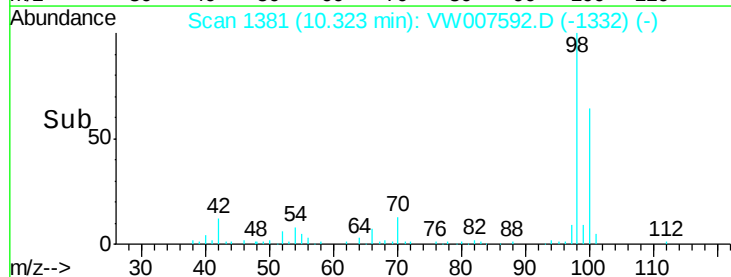
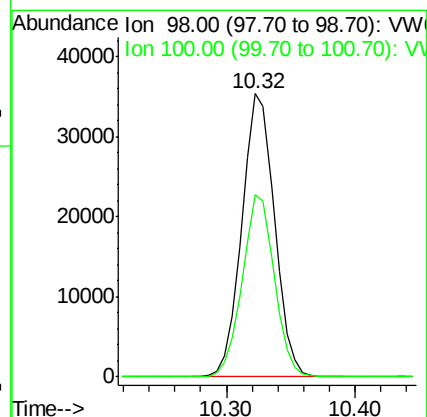
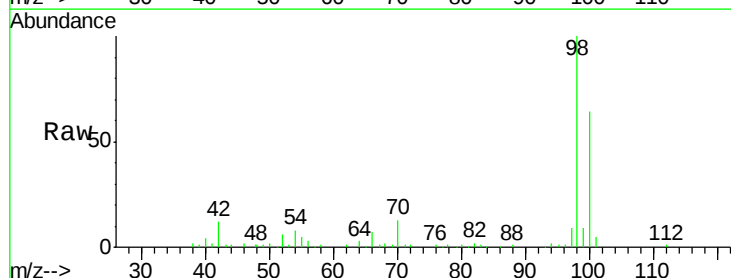
Acq: 15 Dec 2018 19:36

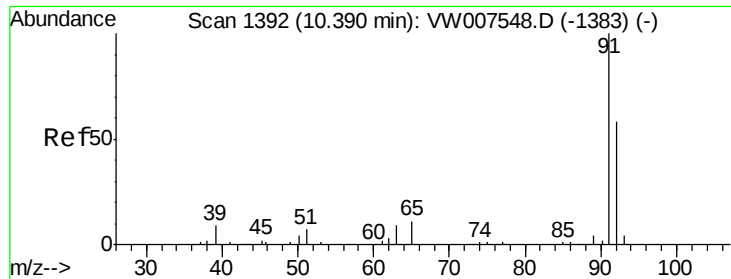
Tgt Ion: 98 Resp: 62001

Ion Ratio Lower Upper

98 100

100 63.0 51.8 77.8





#52

Toluene

Concen: 1.448 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD010-0006-01

Tgt Ion: 92 Resp: 1398

Ion Ratio Lower Upper

92 100

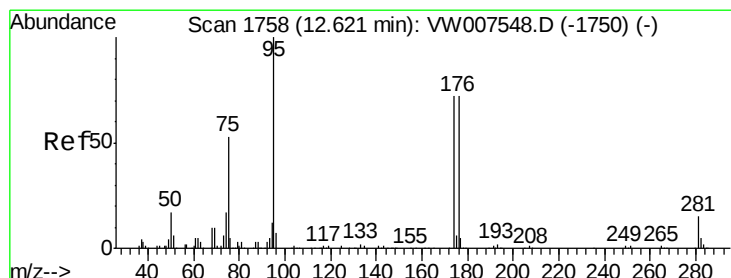
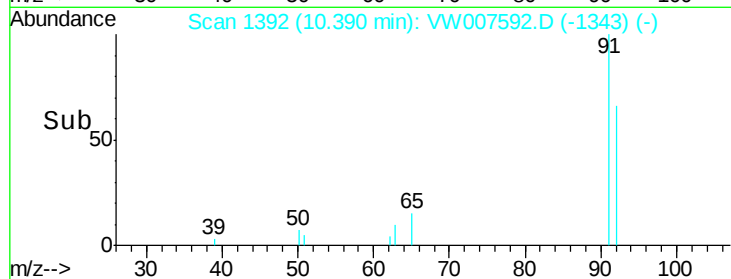
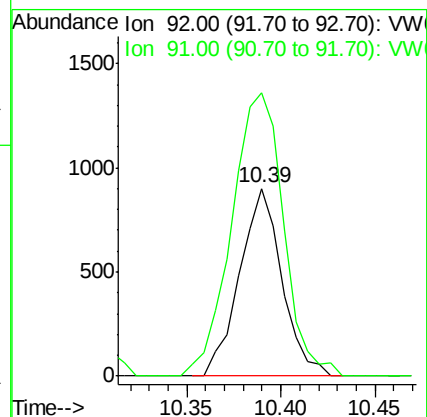
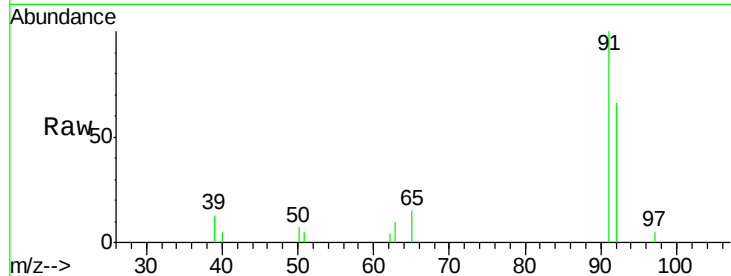
91 185.2 136.2 204.2

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#62

4-Bromofluorobenzene

Concen: 27.657 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

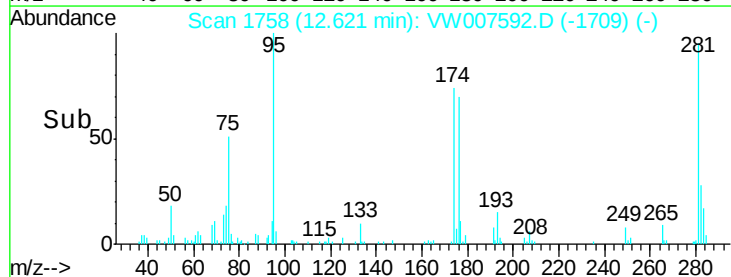
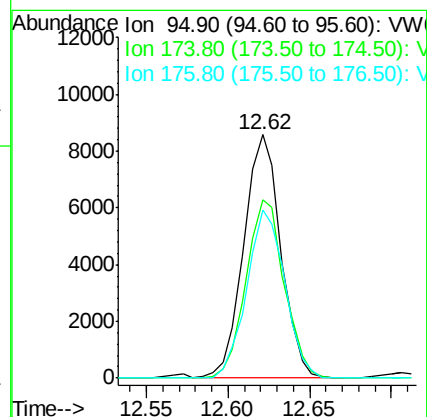
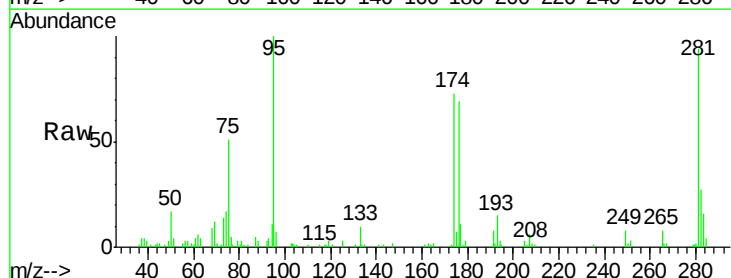
Tgt Ion: 95 Resp: 13602

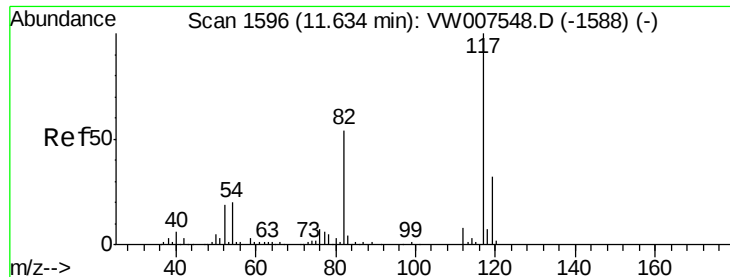
Ion Ratio Lower Upper

95 100

174 75.5 0.0 147.2

176 70.9 0.0 138.8





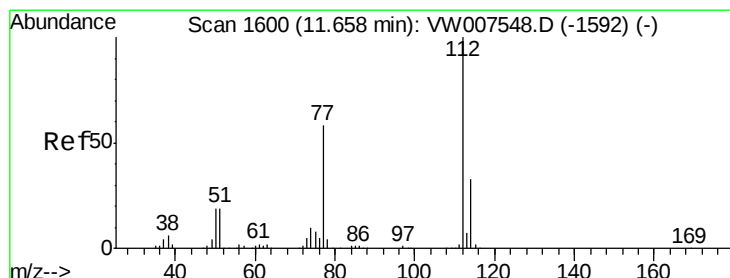
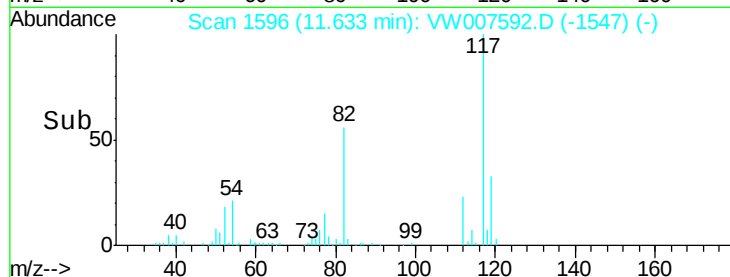
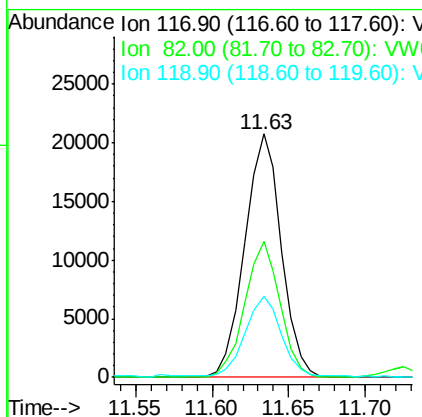
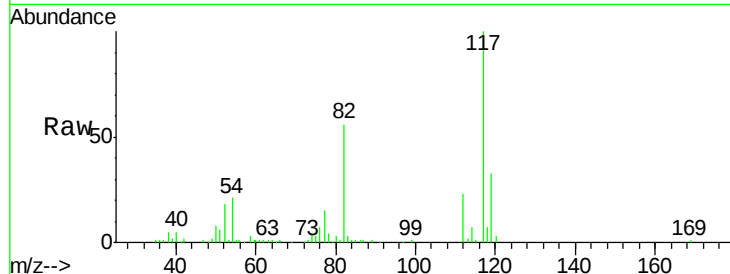
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SD010-0006-01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	42.3	63.5
119	33.0	23.0	34.6

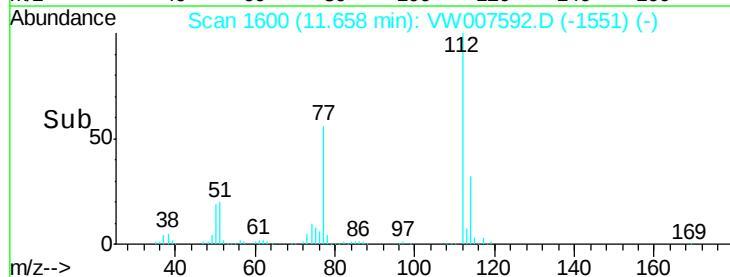
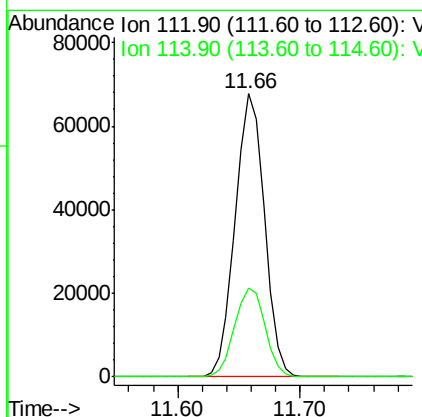
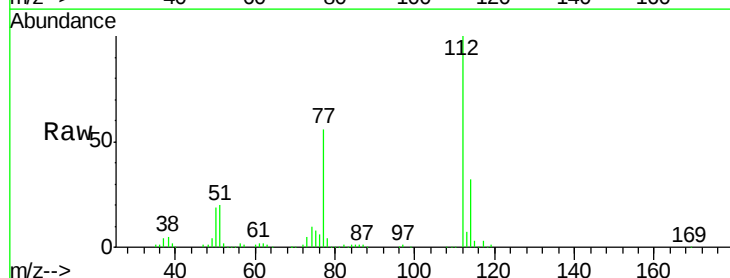
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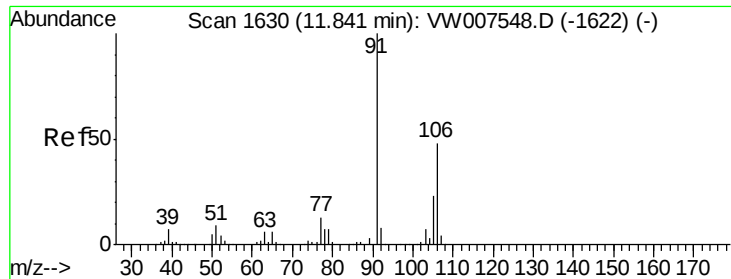
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#65
Chlorobenzene
Concen: 157.913 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	27.8	41.8





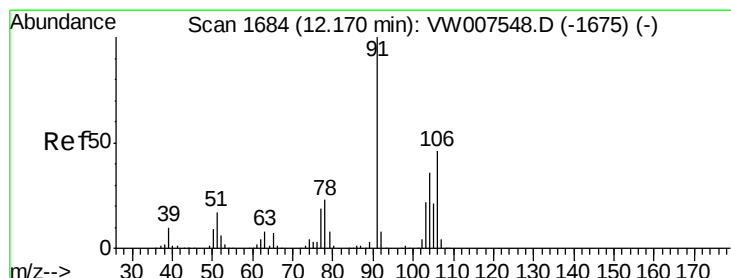
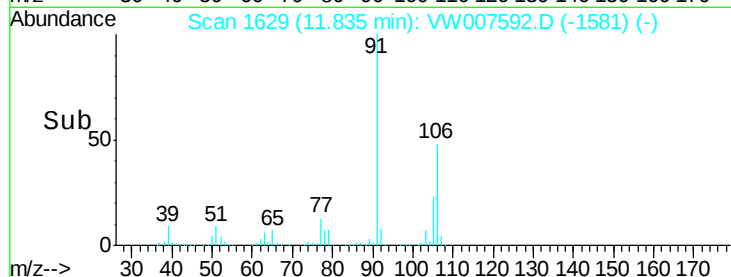
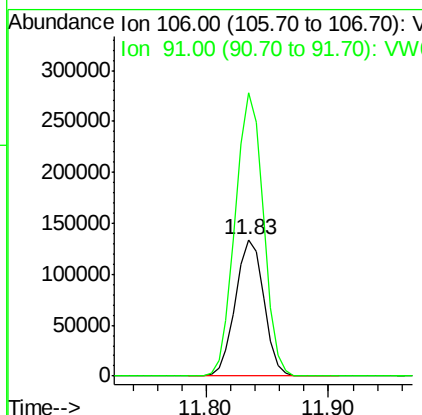
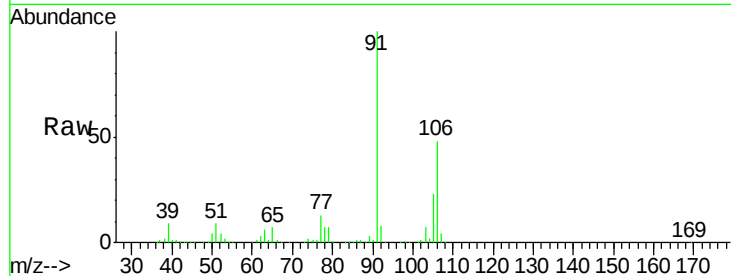
#68
m/p-Xylenes
Concen: 449.733 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SD010-0006-01

Tgt Ion:106 Resp: 214499
Ion Ratio Lower Upper
106 100
91 206.3 165.3 247.9

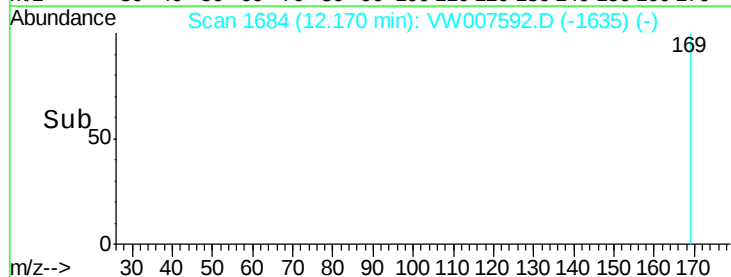
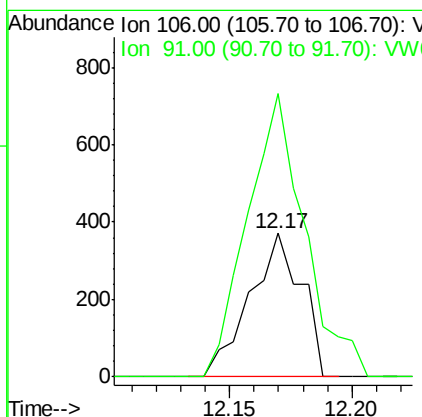
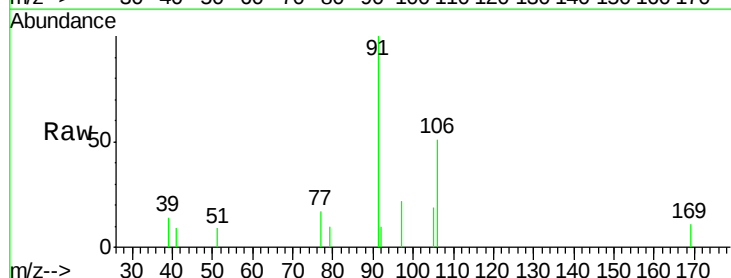
Manual Integrations
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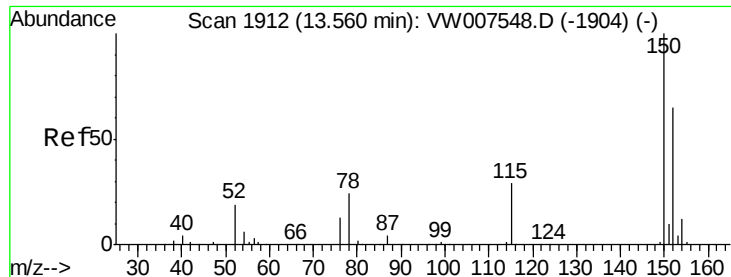
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#69
o-Xylene
Concen: 1.215 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Tgt Ion:106 Resp: 541
Ion Ratio Lower Upper
106 100
91 220.5 106.6 319.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

Instrument :

MSVOA_W

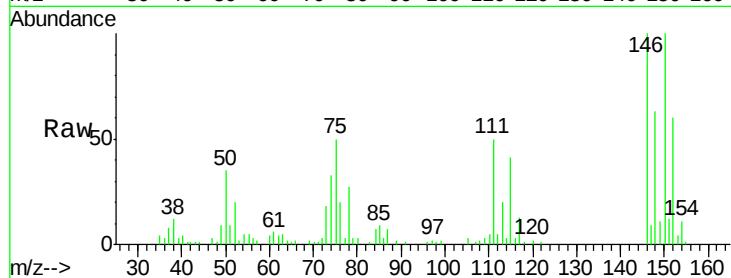
ClientSampleId :

P001-SD010-0006-01

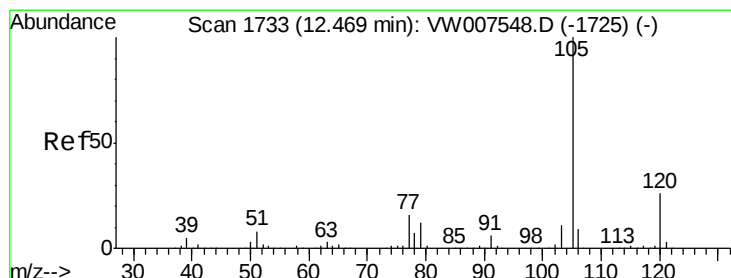
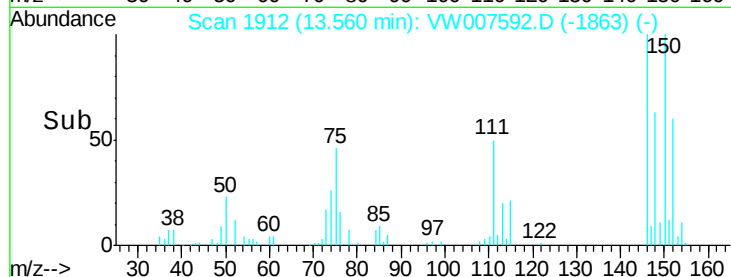
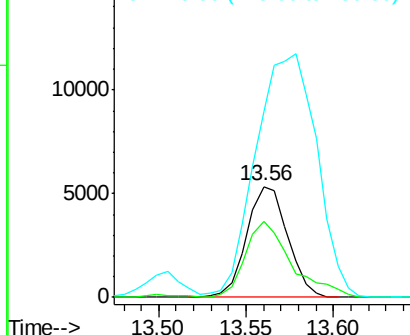
Tgt Ion:	152	Resp:	8705
Ion Ratio	Lower	Upper	
152	100		
115	76.6	31.4	94.2
150	328.5	0.0	358.4

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 11.294 ug/l

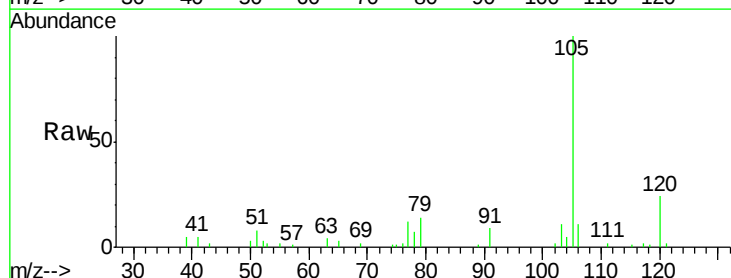
RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

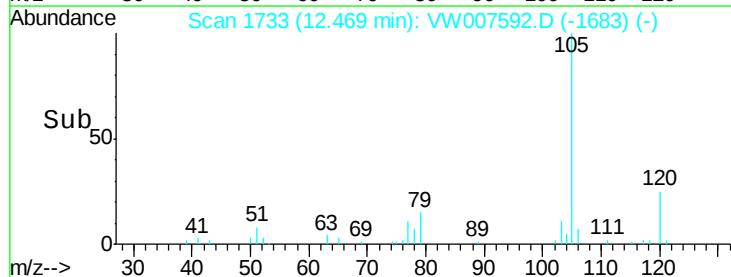
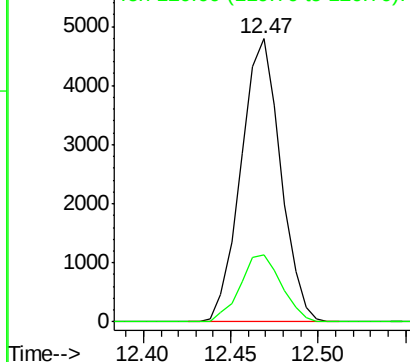
Lab File: VW007592.D

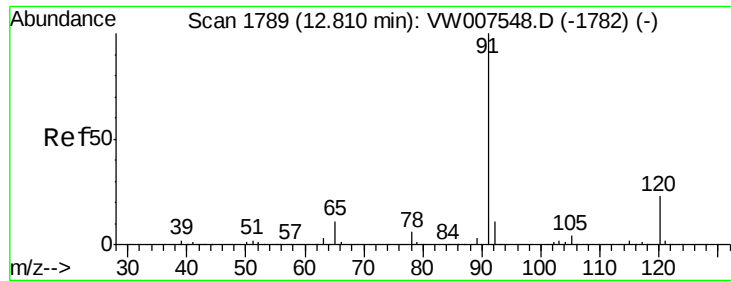
Acq: 15 Dec 2018 19:36

Tgt Ion:	105	Resp:	7533
Ion Ratio	Lower	Upper	
105	100		
120	24.7	12.8	38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





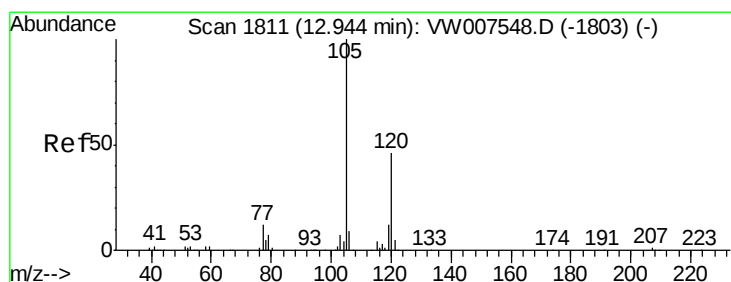
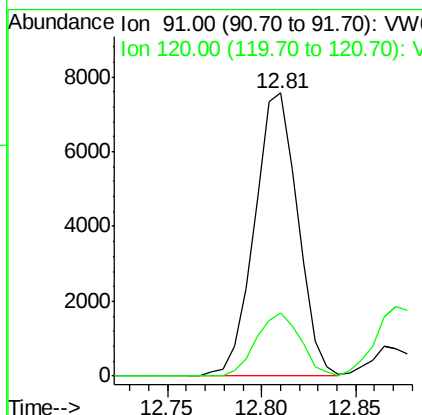
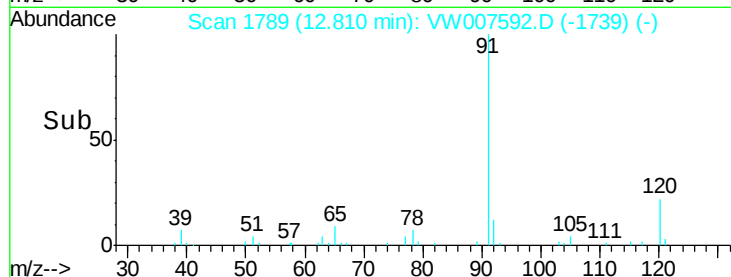
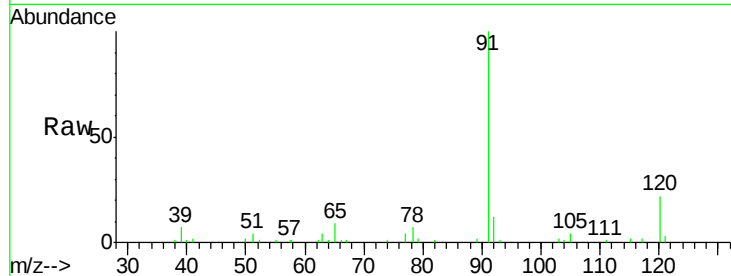
#78
n-propylbenzene
Concen: 16.053 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.01 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SD010-0006-01

Tgt Ion: 91 Resp: 12050
Ion Ratio Lower Upper
91 100
120 22.5 11.9 35.5

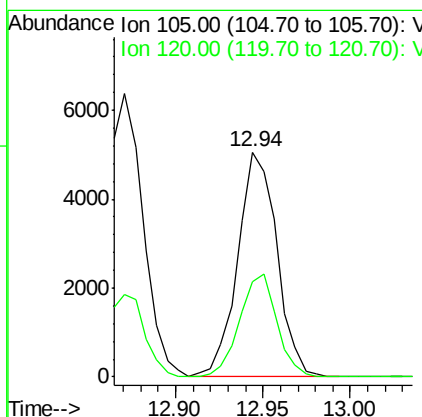
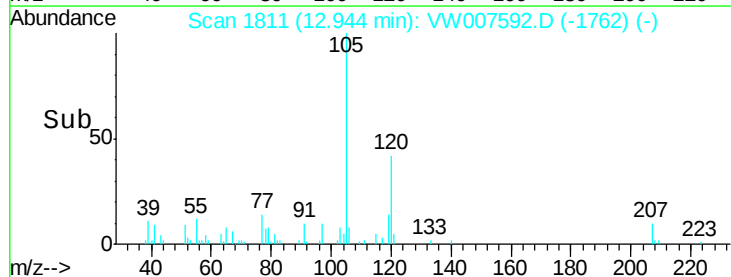
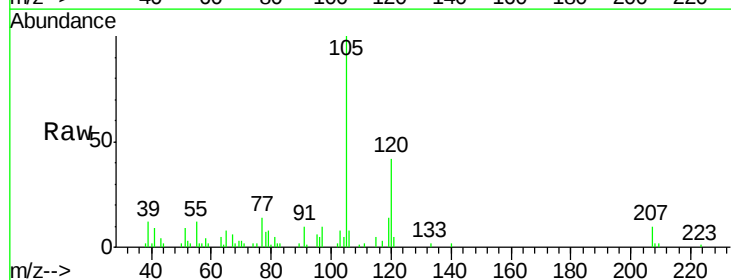
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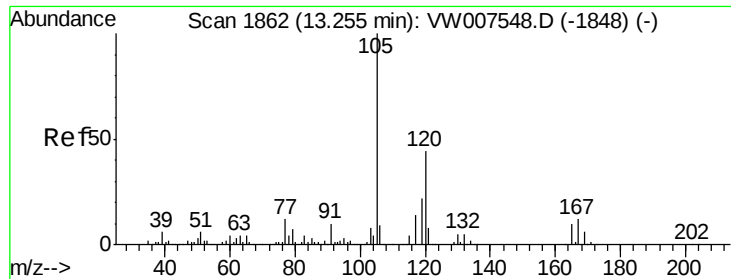
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#80
1,3,5-Trimethylbenzene
Concen: 14.158 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Tgt Ion: 105 Resp: 7935
Ion Ratio Lower Upper
105 100
120 43.4 23.8 71.4





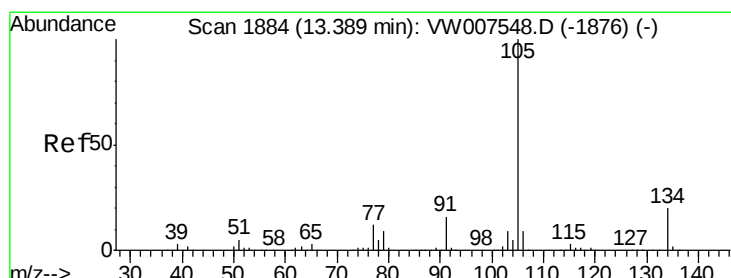
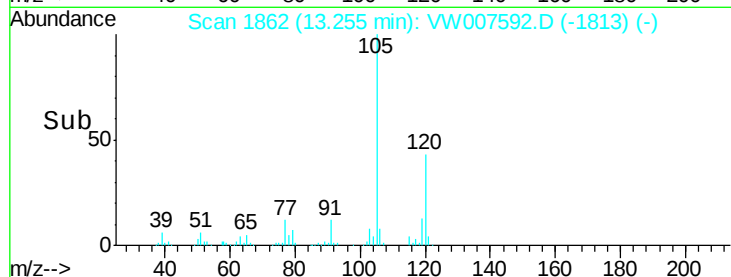
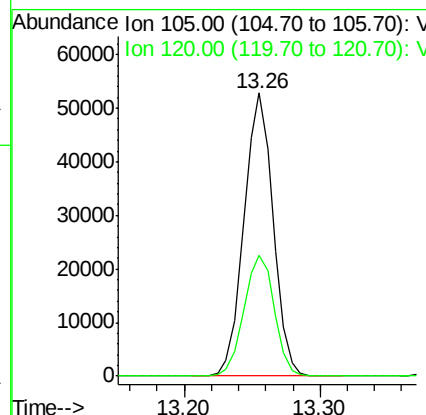
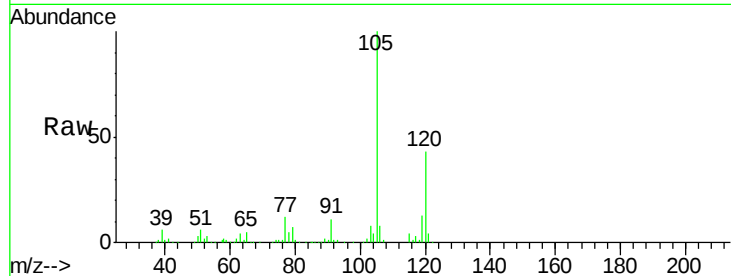
#84
1,2,4-Trimethylbenzene
Concen: 136.657 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SD010-0006-01

Tgt Ion:105 Resp: 78815
Ion Ratio Lower Upper
105 100
120 44.4 22.6 67.7

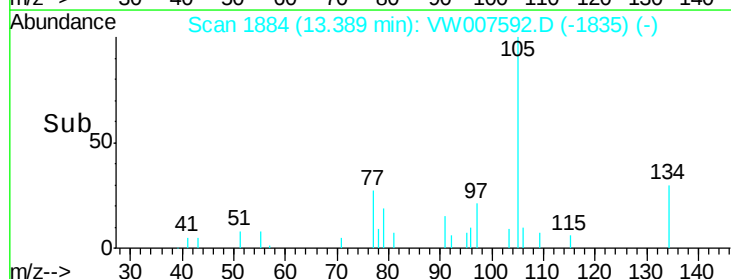
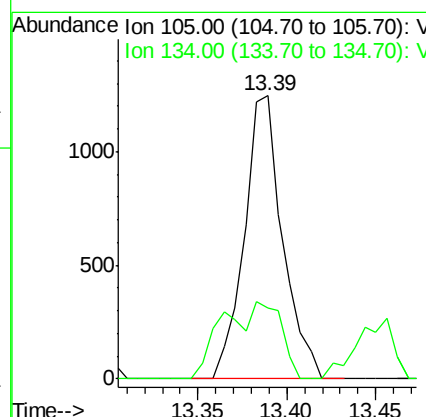
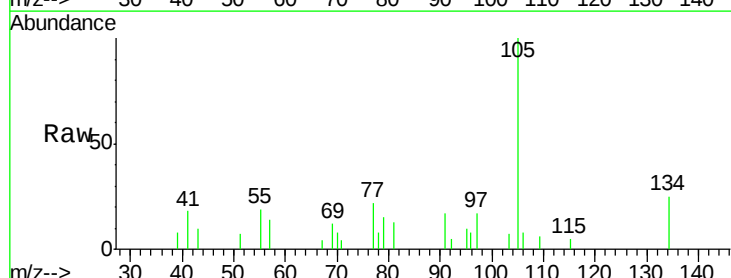
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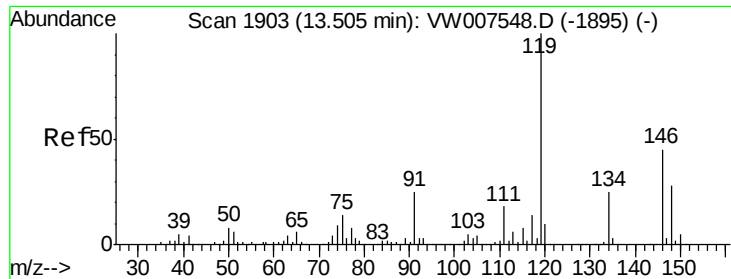
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#85
sec-Butylbenzene
Concen: 2.753 ug/l m
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007592.D
Acq: 15 Dec 2018 19:36

Tgt Ion:105 Resp: 1856
Ion Ratio Lower Upper
105 100
134 0.0 11.1 33.3#





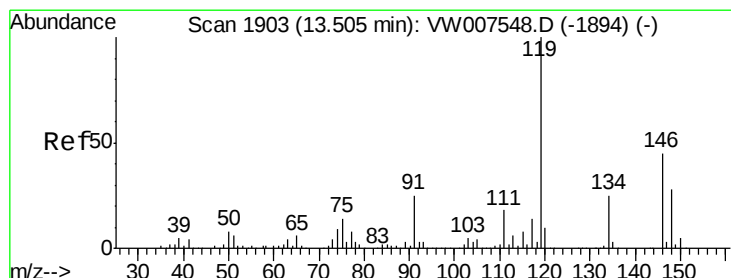
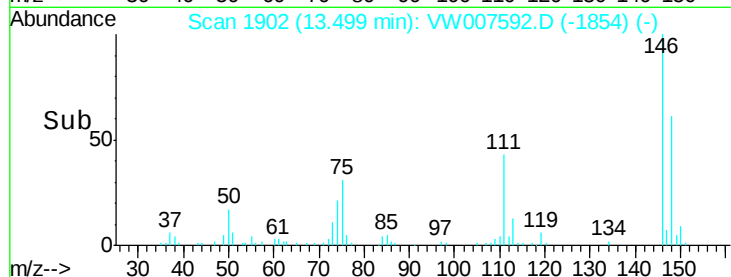
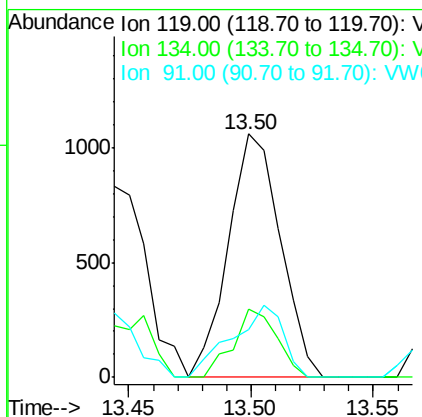
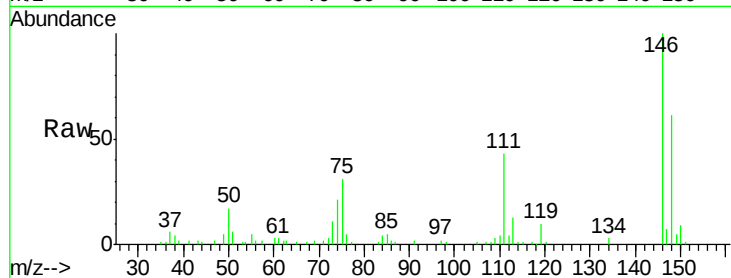
#86
 p-Isopropyltoluene
 Concen: 2.602 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007592.D
 Acq: 15 Dec 2018 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD010-0006-01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	1576		
134	23.2	12.9	38.7	
91	28.9	11.9	35.9	

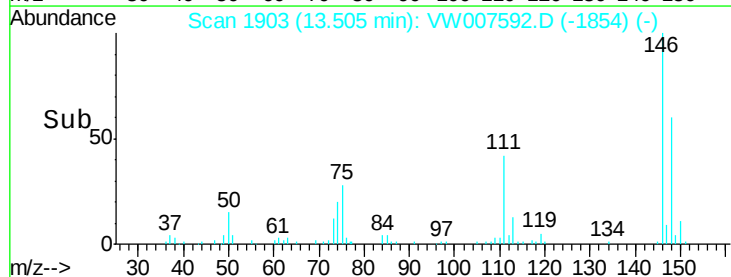
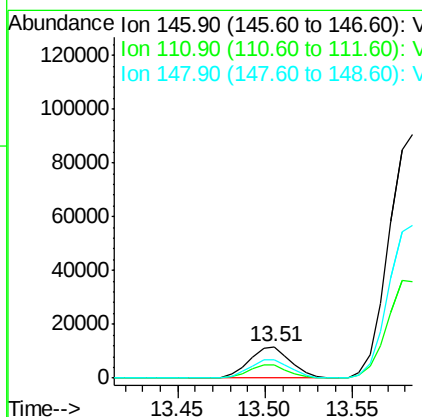
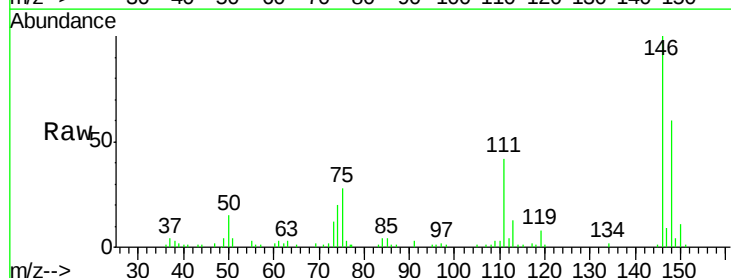
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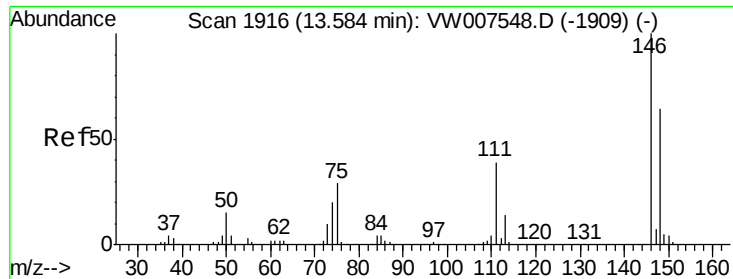
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#87
 1,3-Dichlorobenzene
 Concen: 64.244 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007592.D
 Acq: 15 Dec 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	18938		
111	42.0	20.1	60.3	
148	61.2	31.4	94.0	





#88

1,4-Dichlorobenzene

Concen: 488.378 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

Instrument :

MSVOA_W

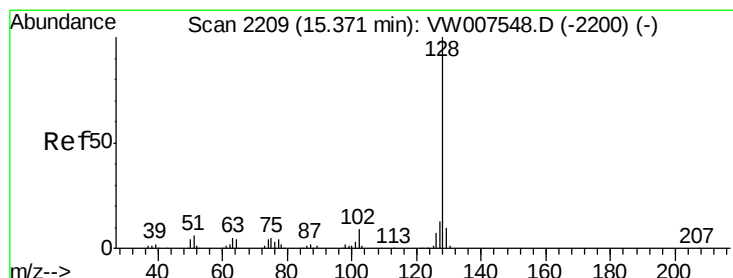
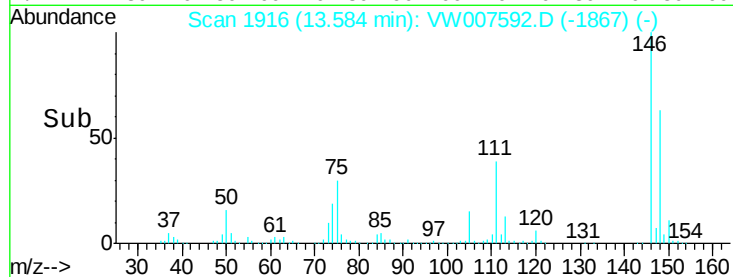
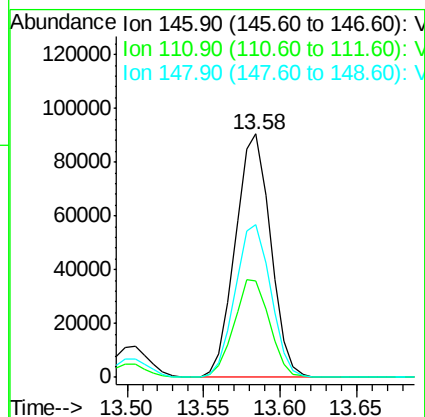
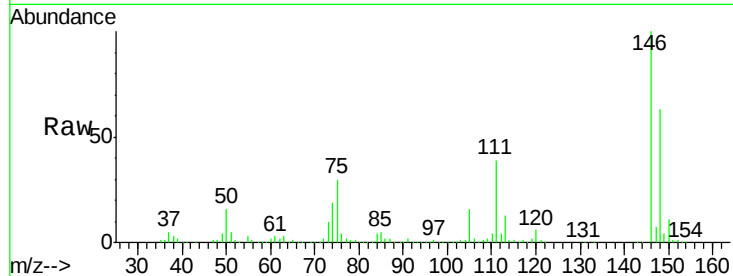
ClientSampleId :

P001-SD010-0006-01

Tgt Ion:	146	Resp:	144733
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	61.0
148	63.7	33.5	100.5

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#95

Naphthalene

Concen: 19.413 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007592.D

Acq: 15 Dec 2018 19:36

Tgt Ion:	128	Resp:	6748
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.4
129	11.0	8.3	12.5

