

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007831.D
 Acq On : 22 Dec 2018 09:41
 Operator : SY/AP
 Sample : J6426-12
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

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

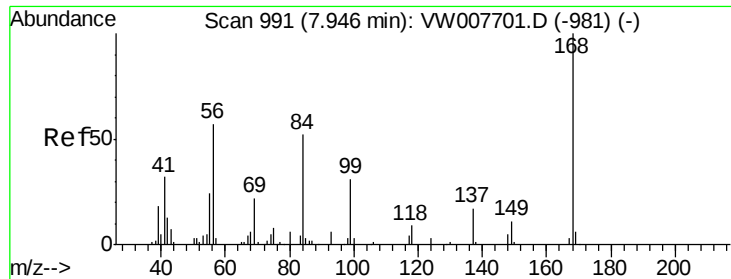
Manual Integrations
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 12/26/2018 11:00:52 AM

Quant Time: Dec 25 01:27:11 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	18707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	44166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	36495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	13122m	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	18078	88.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.34%	
35) Dibromofluoromethane	7.88	113	13221	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.32	98	33942	33.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.84%	
62) 4-Bromofluorobenzene	12.62	95	14932	38.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	8556	222.841	ug/l	93
20) Methylene Chloride	4.92	84	2450	7.385	ug/l #	84
25) 2-Butanone	7.18	43	3695	82.162	ug/l #	74
31) Cyclohexane	7.96	56	3912	12.817	ug/l	89
39) Methylcyclohexane	9.34	83	11539	21.784	ug/l #	87
40) Benzene	8.33	78	2731	2.401	ug/l	97
52) Toluene	10.39	92	95397	124.996	ug/l	99
65) Chlorobenzene	11.66	112	374835	474.530	ug/l	98
67) Ethyl Benzene	11.73	91	48475	35.762	ug/l	96
68) m/p-Xylenes	11.84	106	163737	311.400	ug/l	100
69) o-Xylene	12.17	106	42577	86.384	ug/l	98
73) Isopropylbenzene	12.47	105	72396	72.989	ug/l	100
78) n-propylbenzene	12.80	91	100827	87.326	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	501253	580.616	ug/l	100
85) sec-Butylbenzene	13.39	105	8491m	8.207	ug/l	
86) p-Isopropyltoluene	13.51	119	8587	9.128	ug/l	90
87) 1,3-Dichlorobenzene	13.51	146	24847	55.053	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	342151	757.879	ug/l	100
93) 1,2,4-Trichlorobenzene	15.14	180	5482	19.544	ug/l #	82
95) Naphthalene	15.37	128	40752	78.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	2735	11.391	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007831.D

Acq: 22 Dec 2018 09:41

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3036-01

Tot Ion:168 Resp: 18707

Ion Ratio Lower Upper

168 100

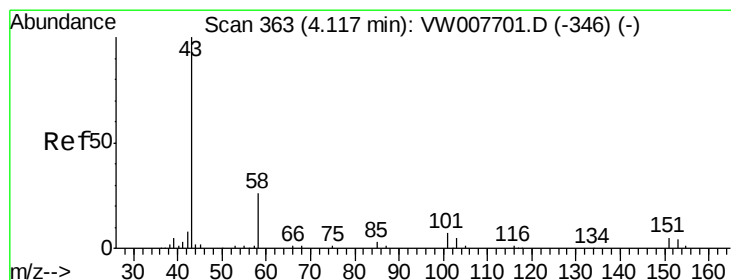
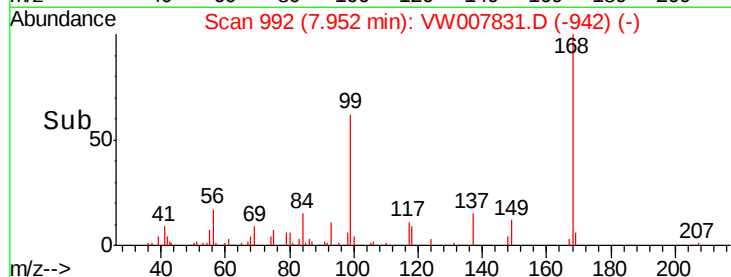
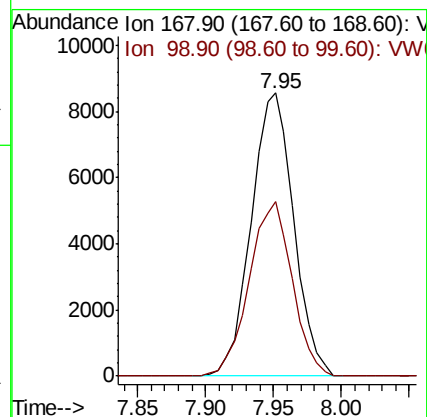
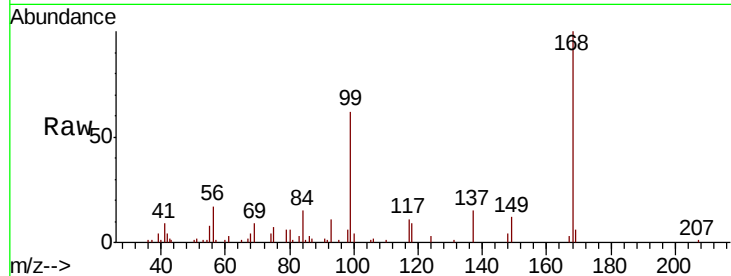
99 61.9 54.0 81.0

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#16

Acetone

Concen: 222.841 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007831.D

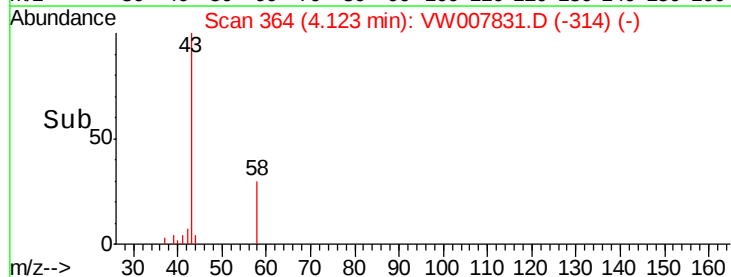
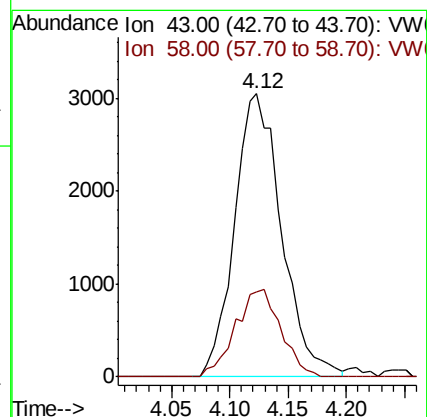
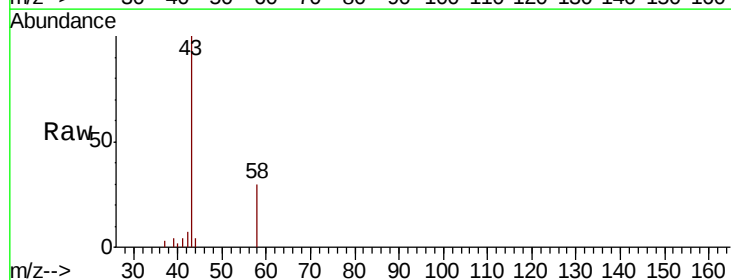
Acq: 22 Dec 2018 09:41

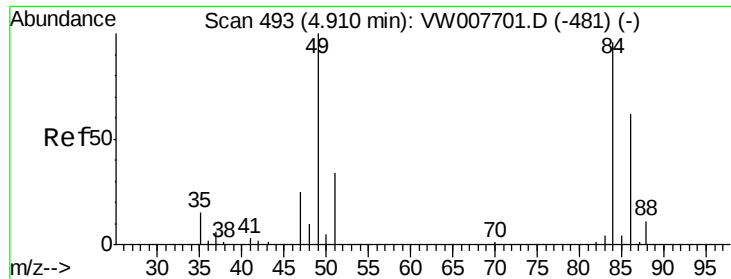
Tgt Ion: 43 Resp: 8556

Ion Ratio Lower Upper

43 100

58 29.9 21.2 31.8





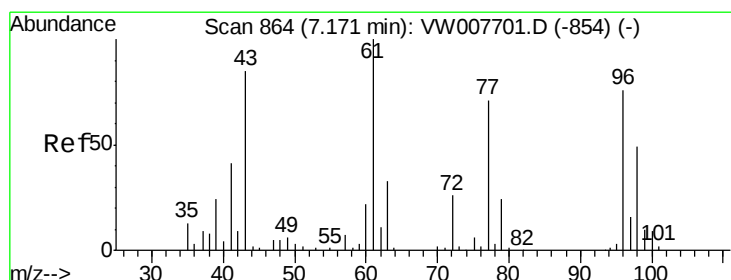
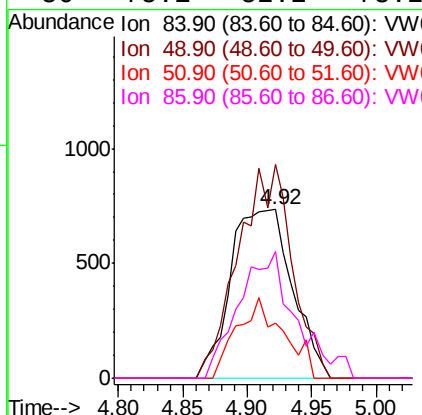
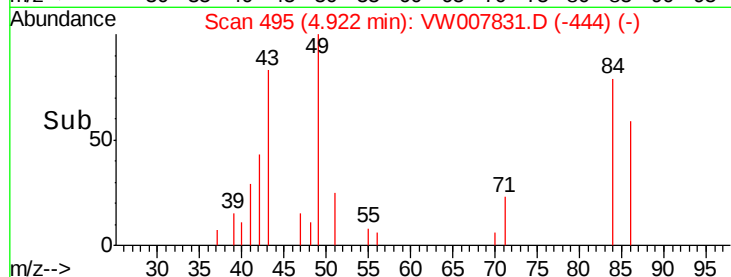
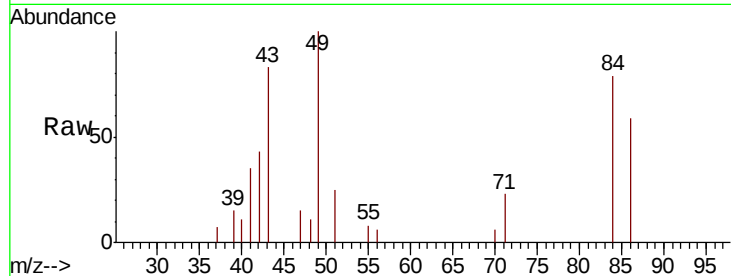
#20
Methvlene Chloride
Concen: 7.385 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Lower	Upper
84	100		
49	126.7	83.7	125.5#
51	32.3	28.2	42.2
86	75.1	52.2	78.2

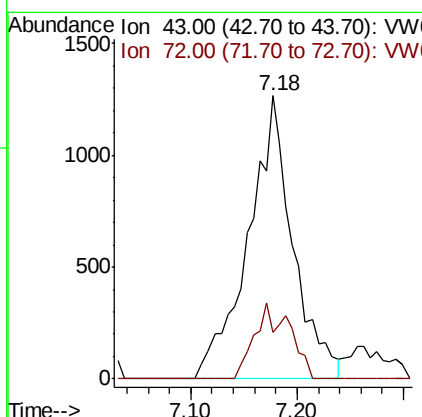
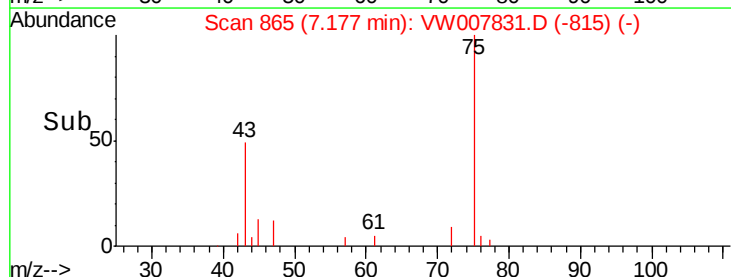
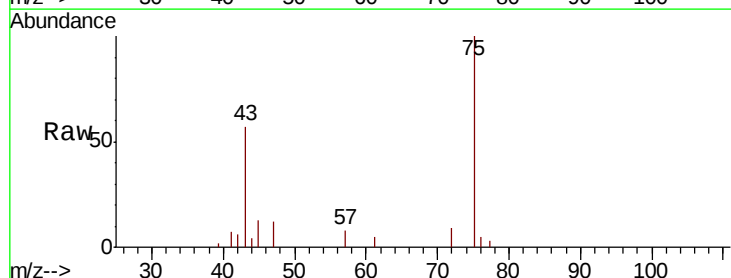
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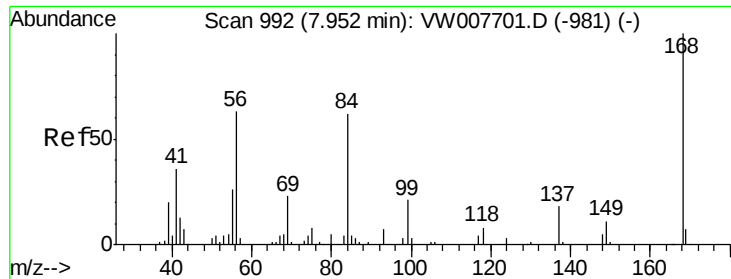
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#25
2-Butanone
Concen: 82.162 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.5	24.5	36.7#





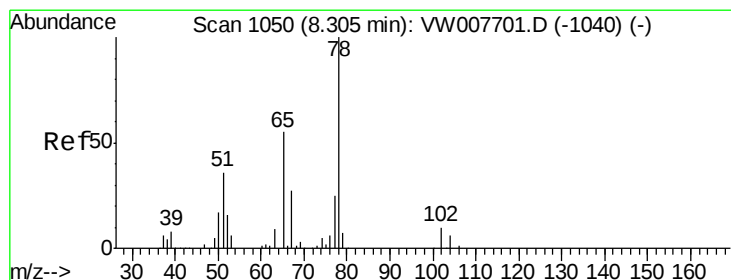
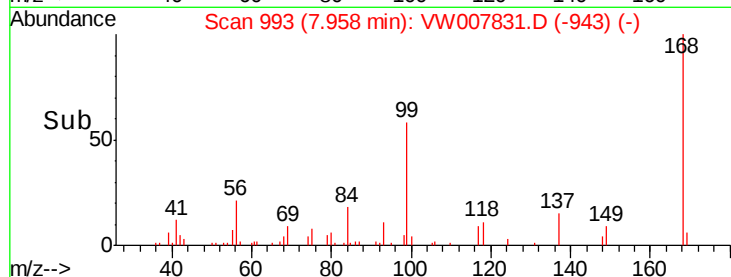
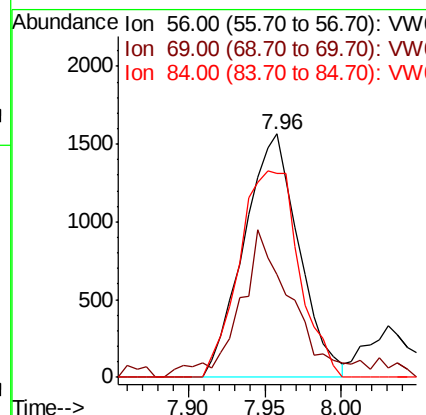
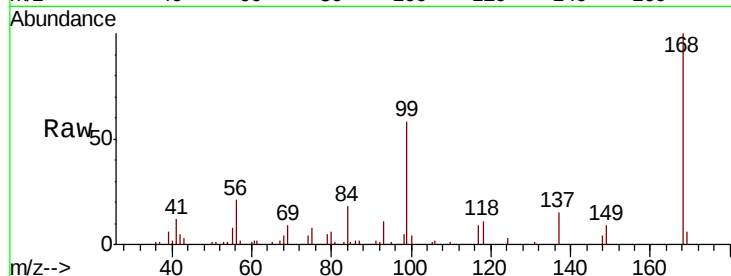
#31
Cyclohexane
Concen: 12.817 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	29.7	44.5
84	84.0	78.9	118.3

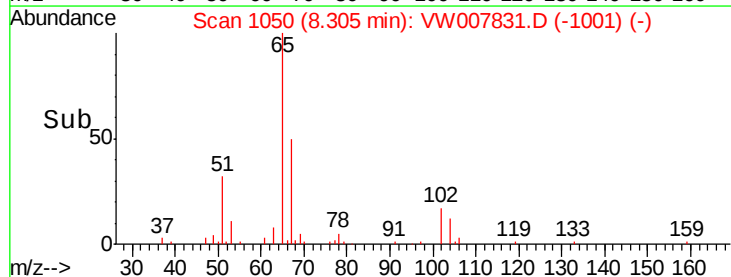
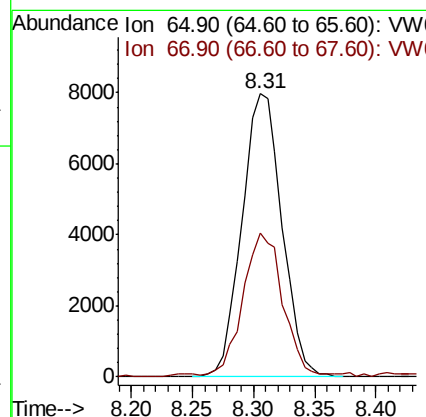
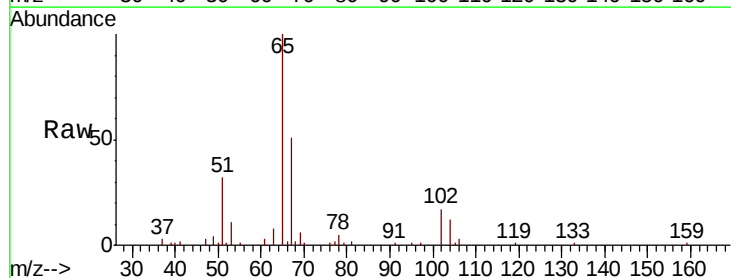
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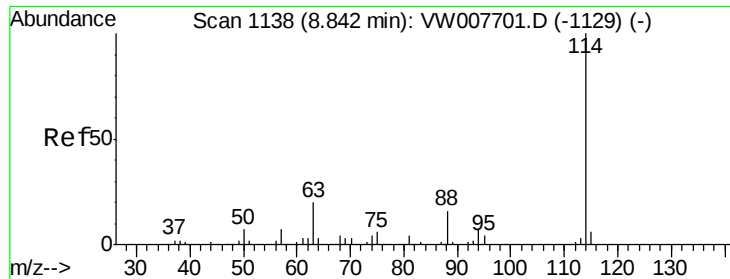
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#33
1,2-Dichloroethane-d4
Concen: 88.169 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.6





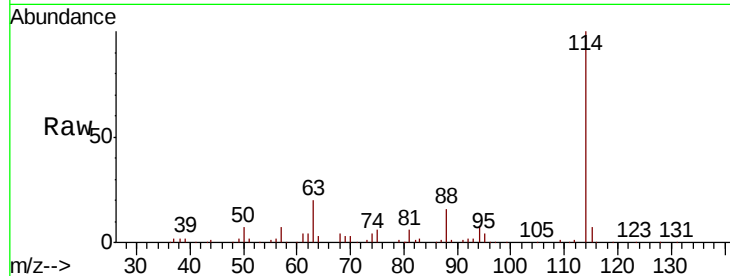
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007831.D
 Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	16.3	0.0	32.6

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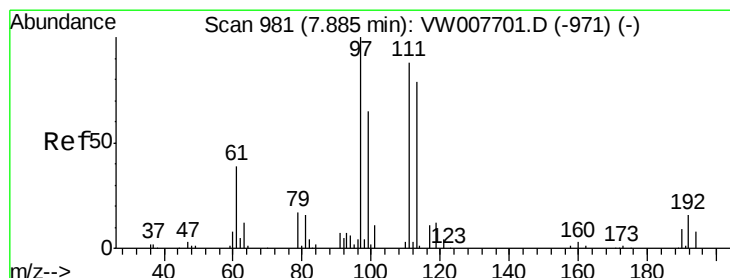
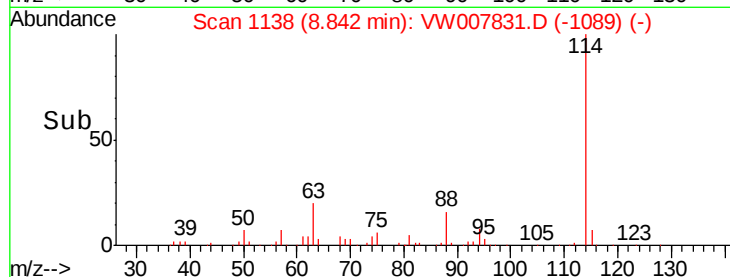
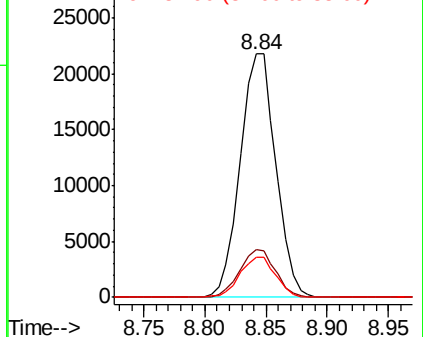


Abundance

Ion 113.90 (113.60 to 114.60): V

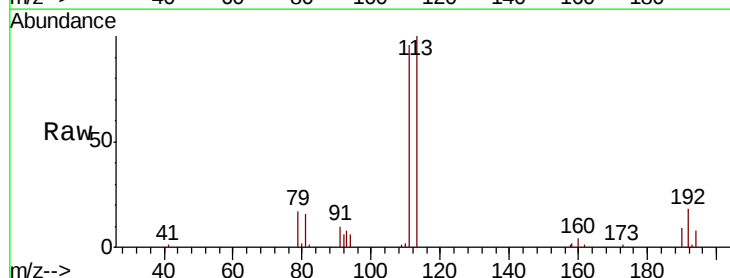
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 49.069 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007831.D
 Acq: 22 Dec 2018 09:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	124.0
192	18.9	15.5	23.3

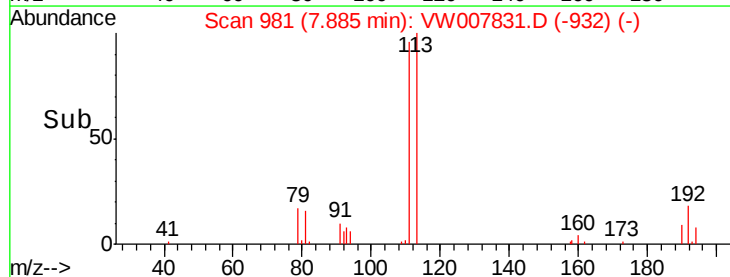
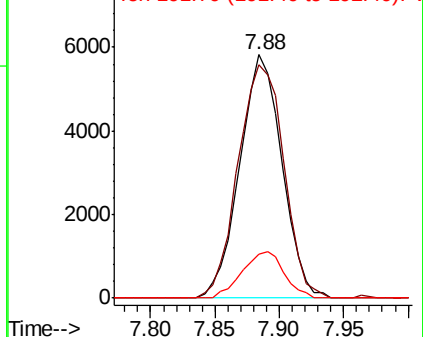


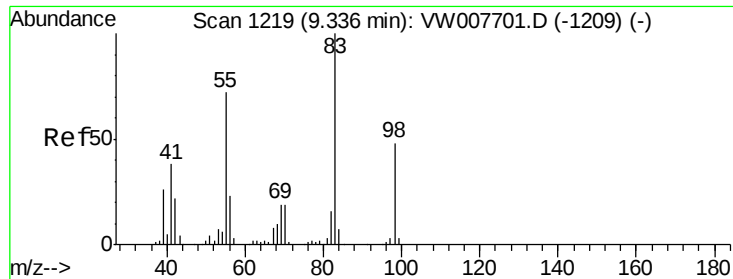
Abundance

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





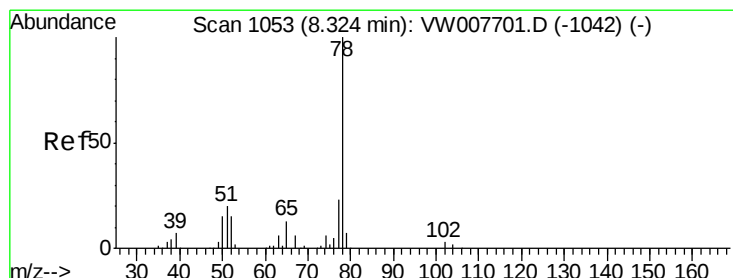
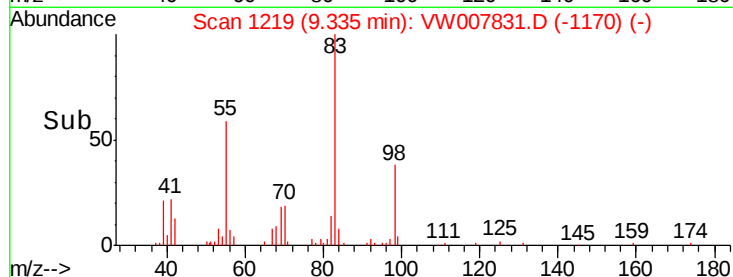
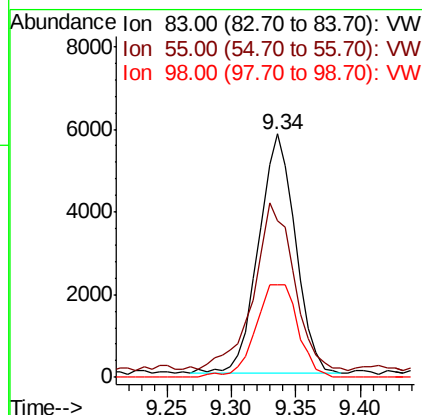
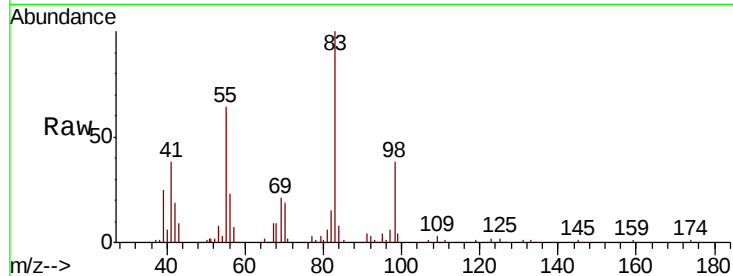
#39
Methvlcvclohexane
Concen: 21.784 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	61.0	57.2	85.8	
98	38.5	38.6	58.0#	

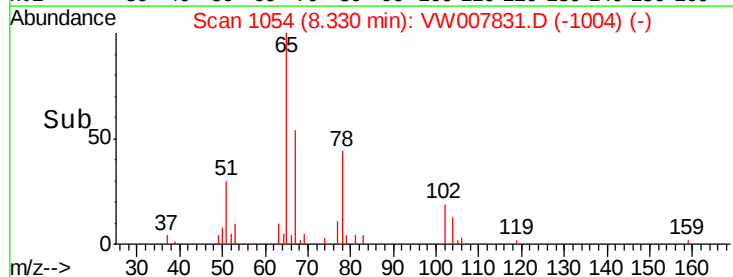
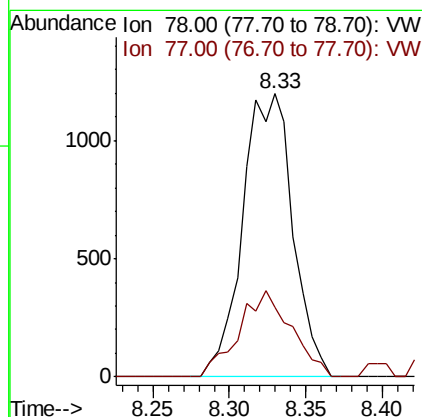
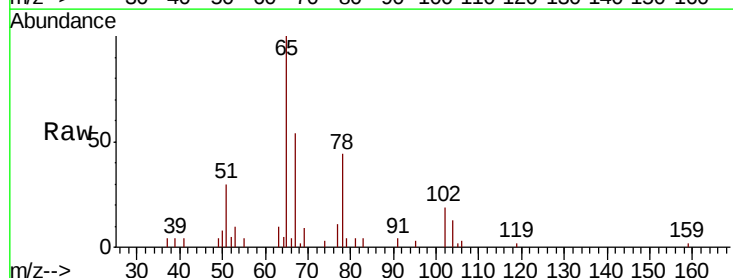
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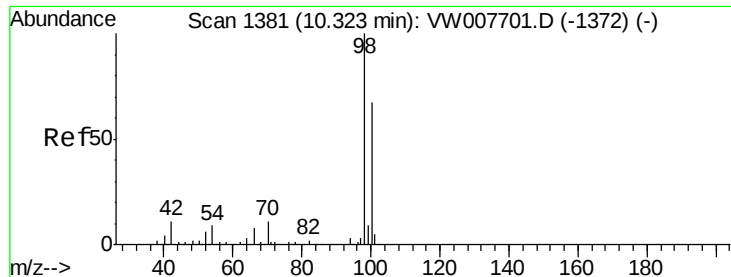
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#40
Benzene
Concen: 2.401 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	18.7	28.1	





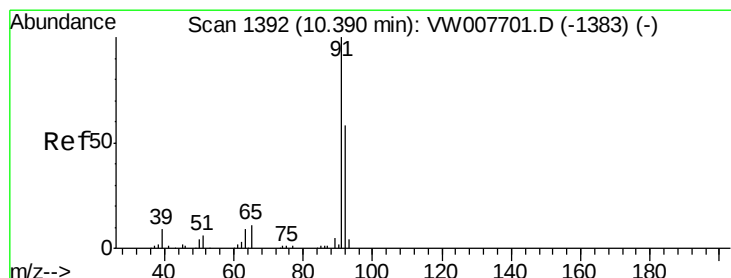
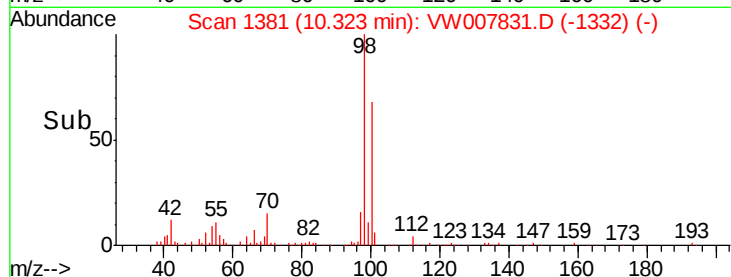
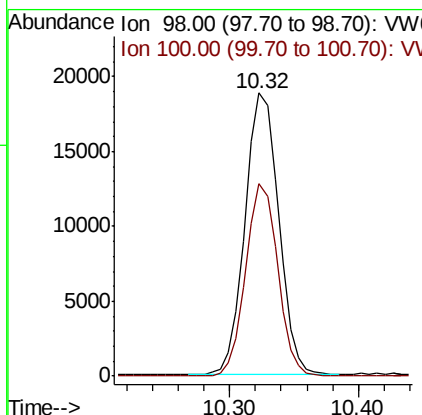
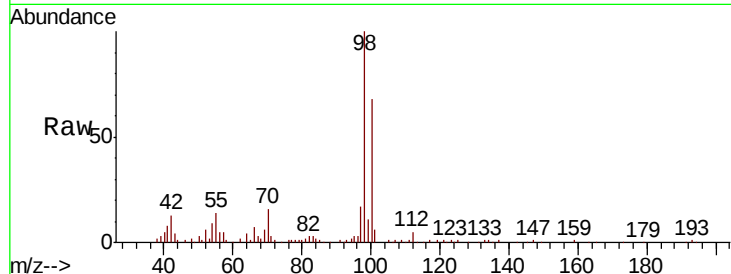
#50
Toluene-d8
Concen: 33.416 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion: 98 Resp: 33942
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

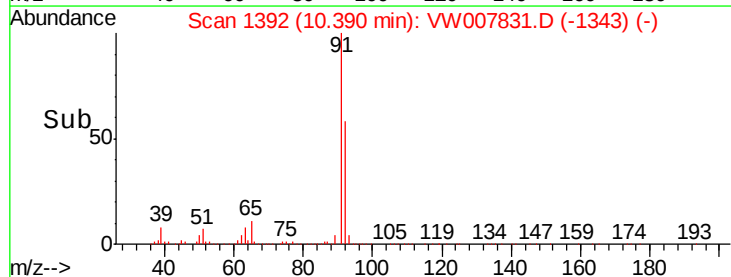
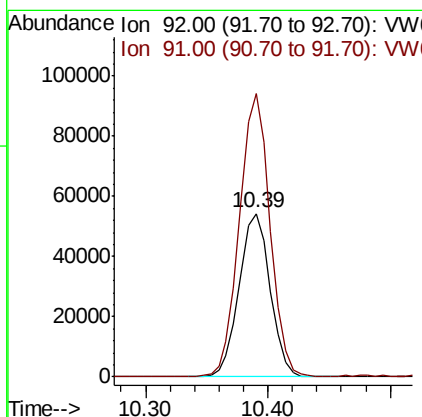
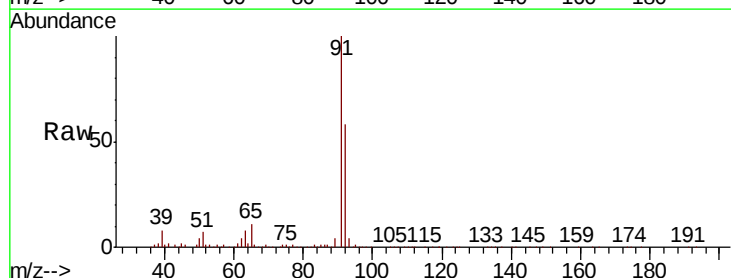
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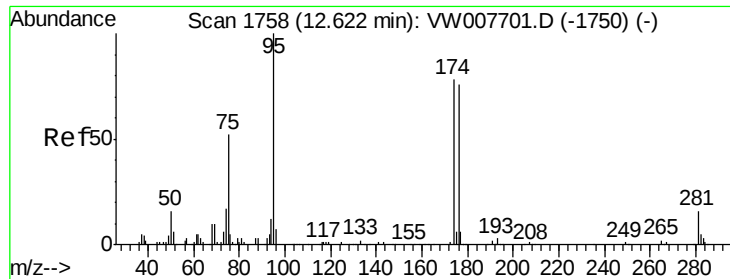
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#52
Toluene
Concen: 124.996 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

Tgt Ion: 92 Resp: 95397
Ion Ratio Lower Upper
92 100
91 169.4 137.0 205.4





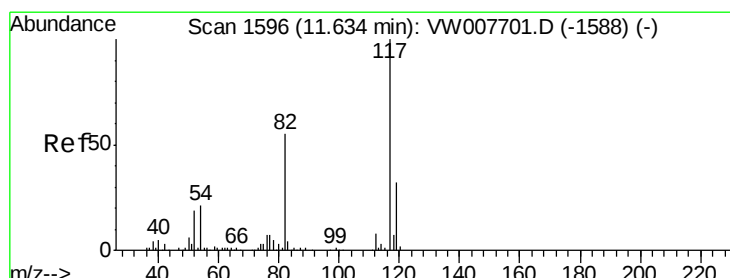
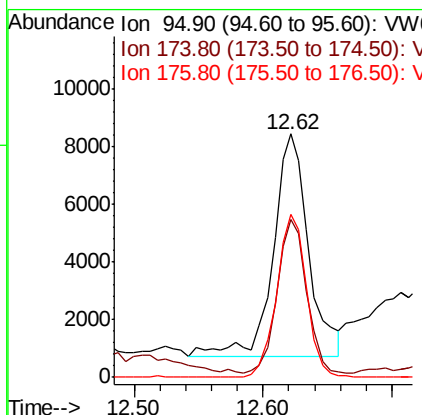
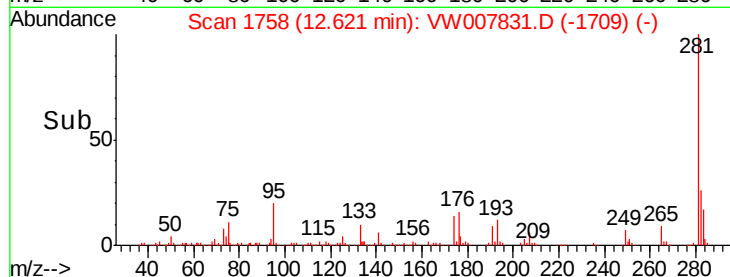
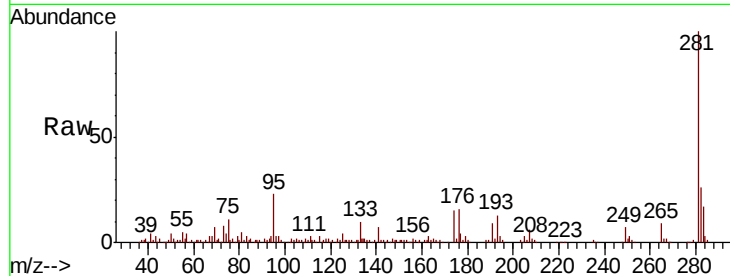
#62
4-Bromofluorobenzene
Concen: 38.053 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	14932		
174	57.1	0.0	152.2	
176	61.2	0.0	146.8	

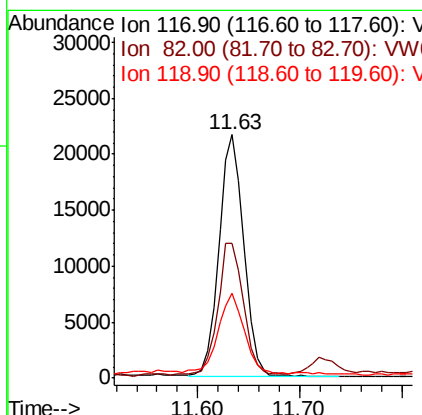
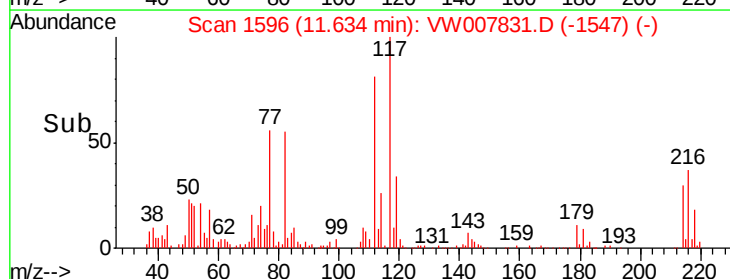
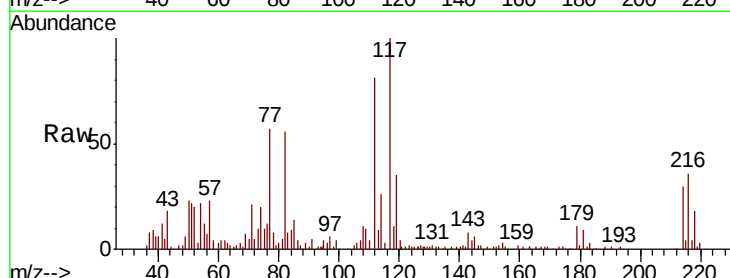
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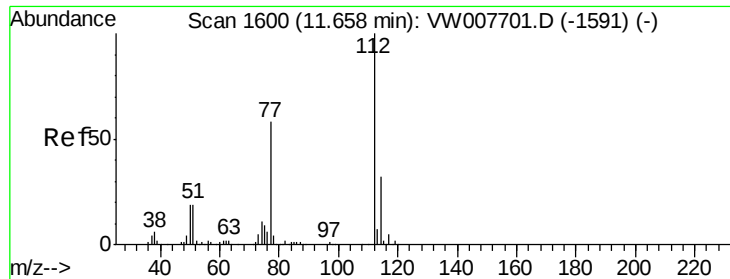
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12/26/2018 11:00:52 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36495		
82	54.2	44.3	66.5	
119	33.0	25.7	38.5	





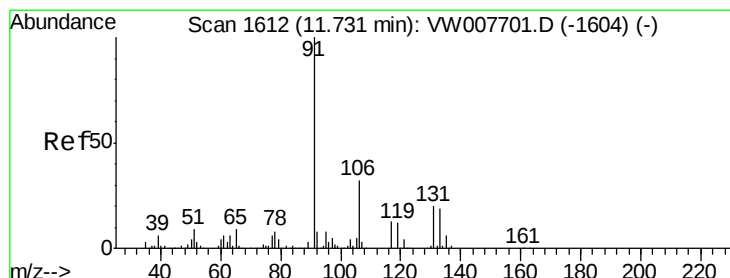
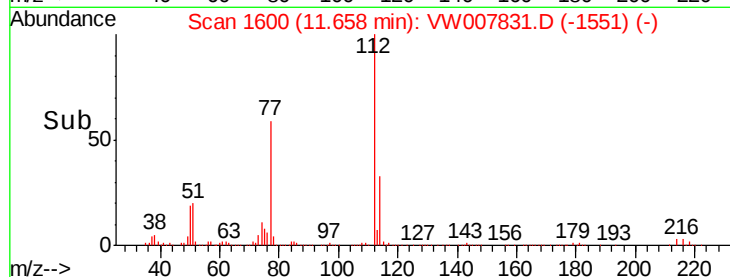
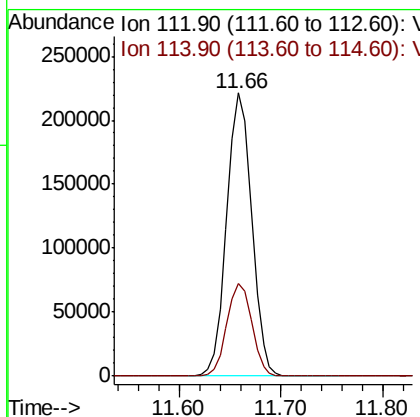
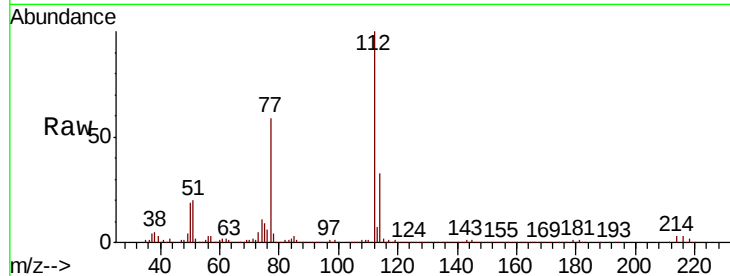
#65
Chlorobenzene
Concen: 474.530 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion:112 Resp: 374835
Ion Ratio Lower Upper
112 100
114 32.8 25.2 37.8

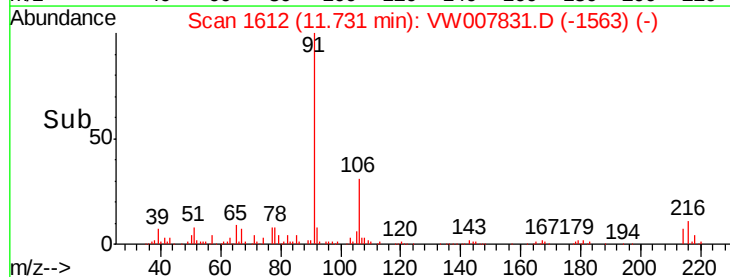
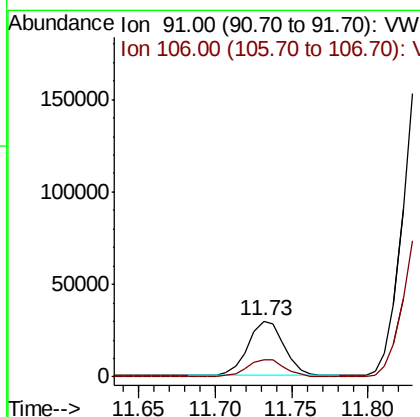
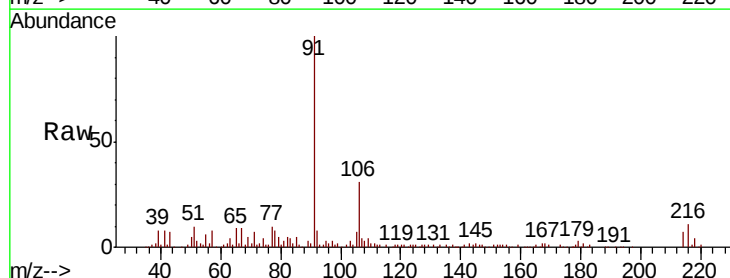
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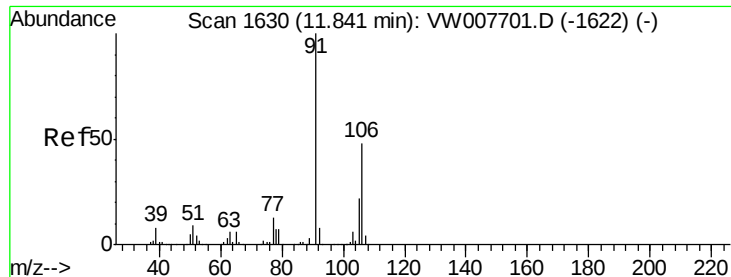
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#67
Ethyl Benzene
Concen: 35.762 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

Tgt Ion: 91 Resp: 48475
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.8





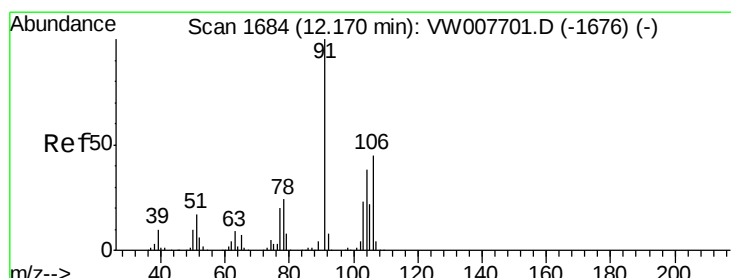
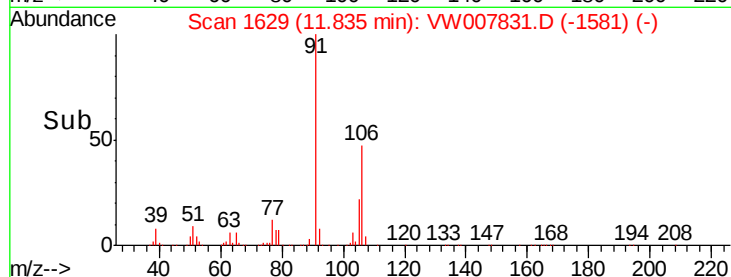
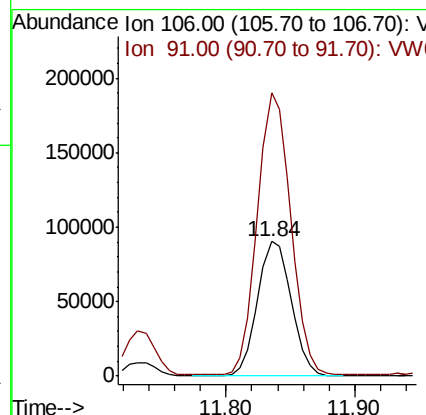
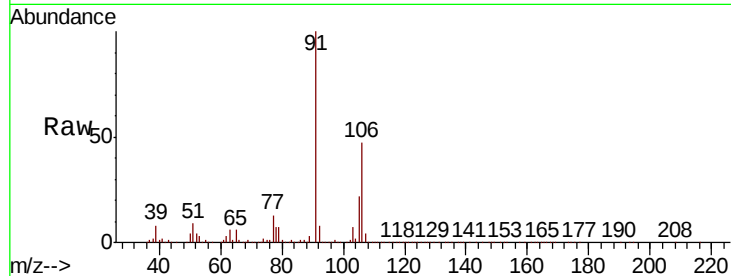
#68
m/p-Xylenes
Concen: 311.400 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion:106 Resp: 163737
Ion Ratio Lower Upper
106 100
91 207.2 165.2 247.8

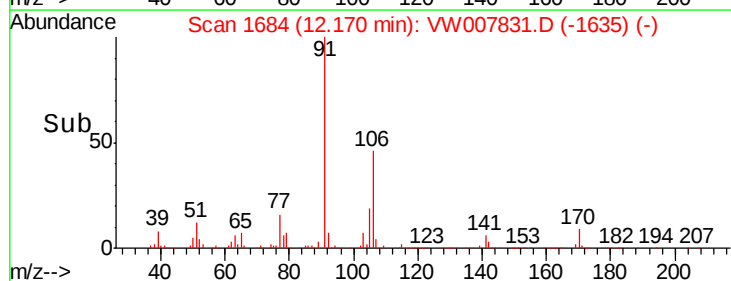
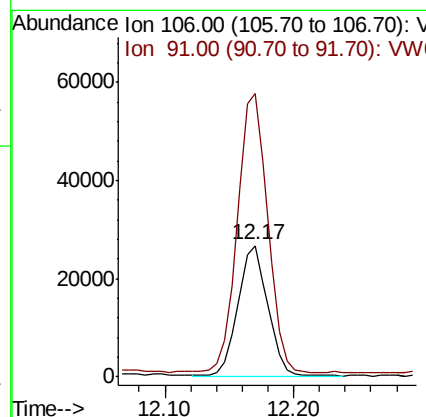
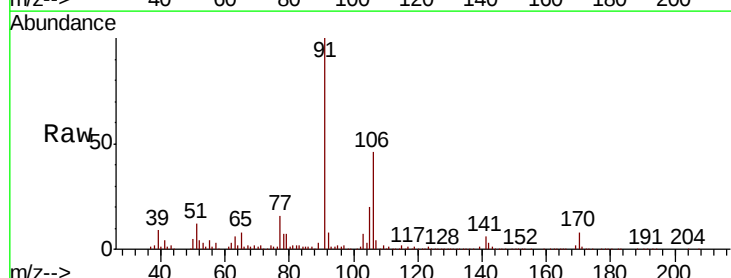
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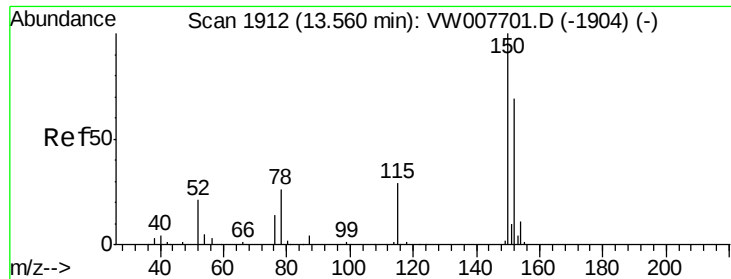
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#69
o-Xylene
Concen: 86.384 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

Tgt Ion:106 Resp: 42577
Ion Ratio Lower Upper
106 100
91 218.3 110.5 331.4





#72

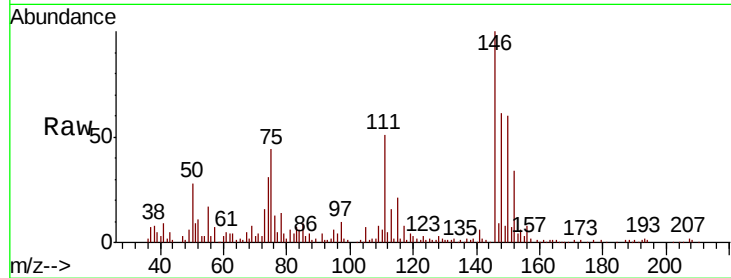
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.6	31.8	95.4
150	26.5	0.0	350.8

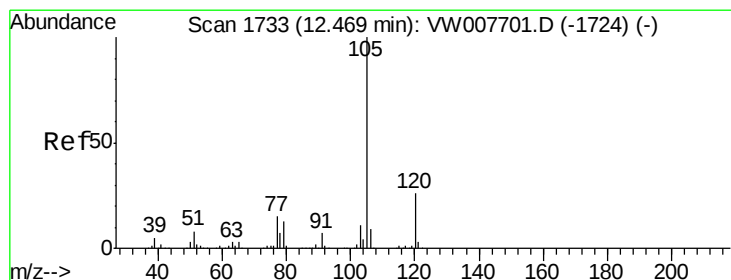
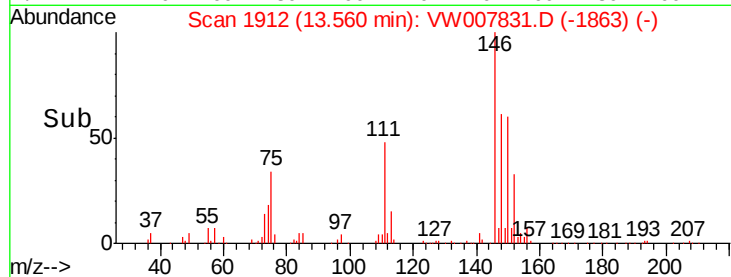
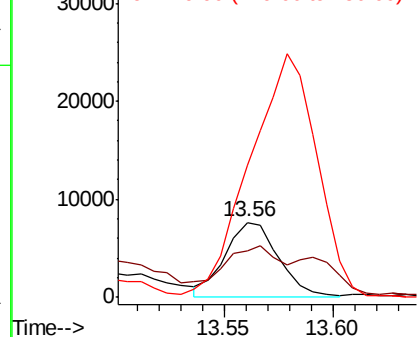
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Abundance

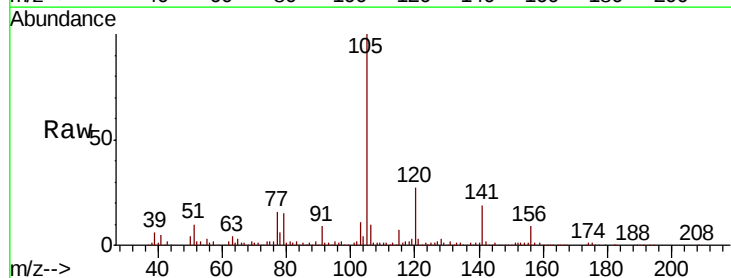
Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

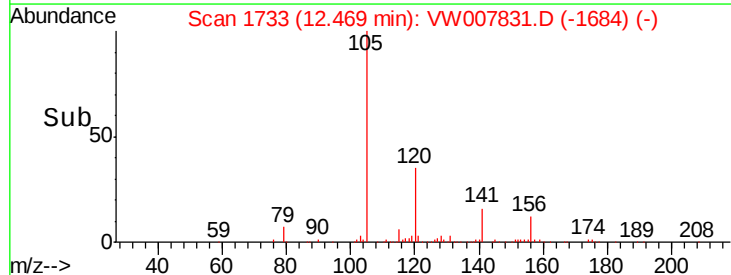
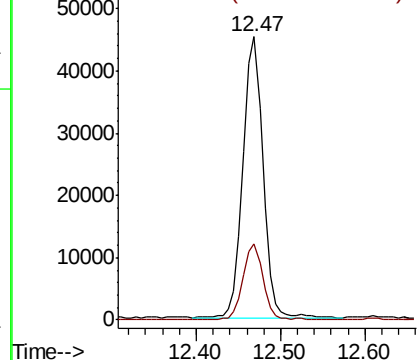
Isopropylbenzene
Concen: 72.989 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007831.D
Acq: 22 Dec 2018 09:41

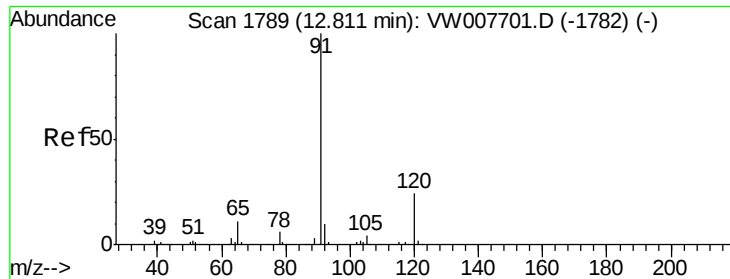
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3



Abundance

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





#78

n-propylbenzene

Concen: 87.326 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007831.D

Acq: 22 Dec 2018 09:41

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3036-01

Tot Ion: 91 Resp: 100827

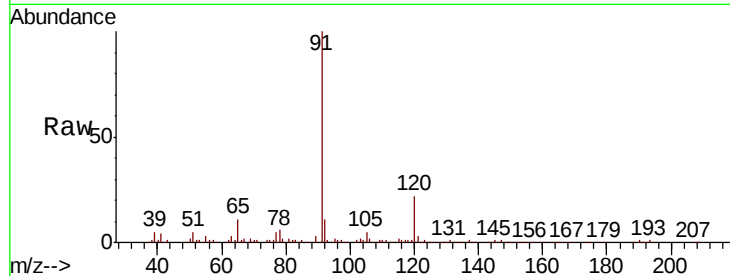
Ion Ratio Lower Upper

91 100

120 22.8 11.9 35.7

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.80

60000

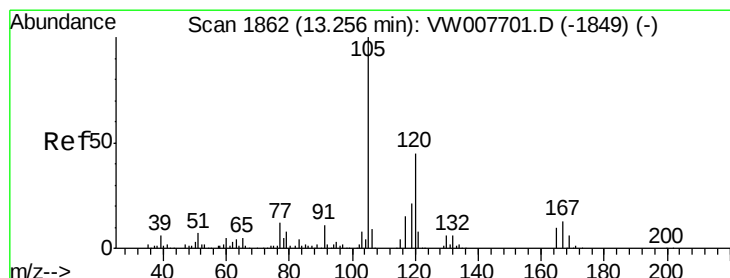
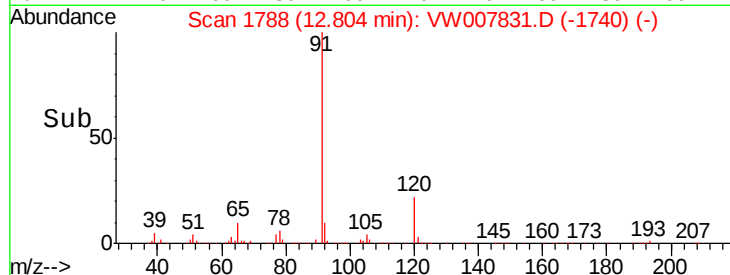
40000

20000

0

12.75 12.80 12.85

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 580.616 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007831.D

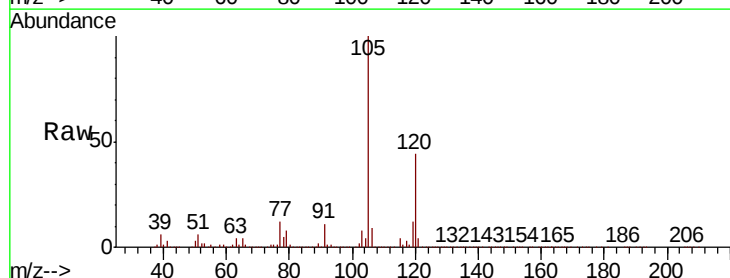
Acq: 22 Dec 2018 09:41

Tgt Ion: 105 Resp: 501253

Ion Ratio Lower Upper

105 100

120 44.2 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.26

300000

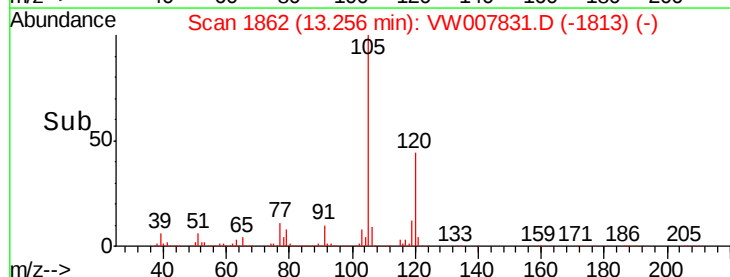
200000

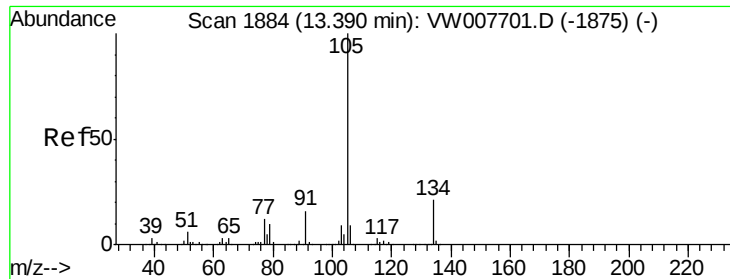
100000

0

13.20 13.30

Time-->





#85

sec-Butylbenzene

Concen: 8.207 ug/l m

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007831.D

Acq: 22 Dec 2018 09:41

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3036-01

Tot Ion:105 Resp: 8491

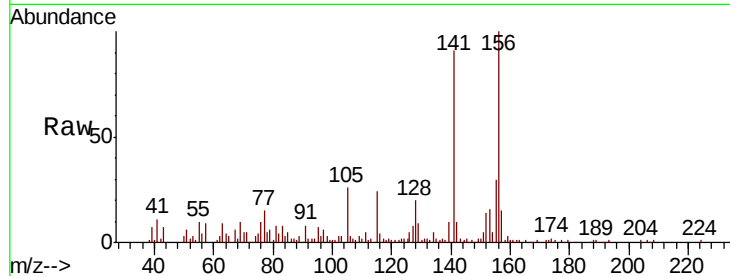
Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

5000

4000

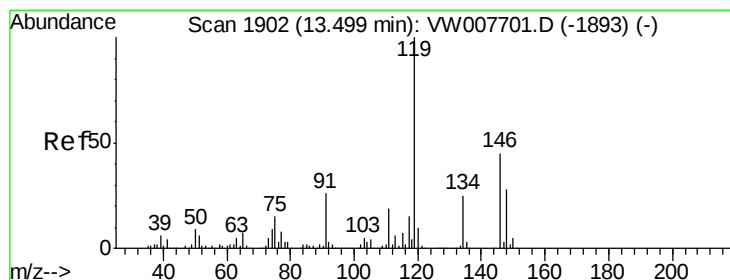
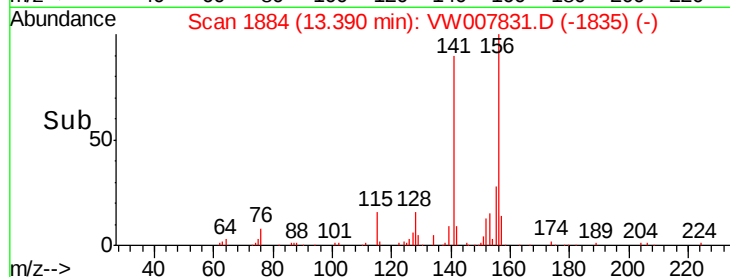
3000

2000

1000

0

Time-->



#86

p-Isopropyltoluene

Concen: 9.128 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007831.D

Acq: 22 Dec 2018 09:41

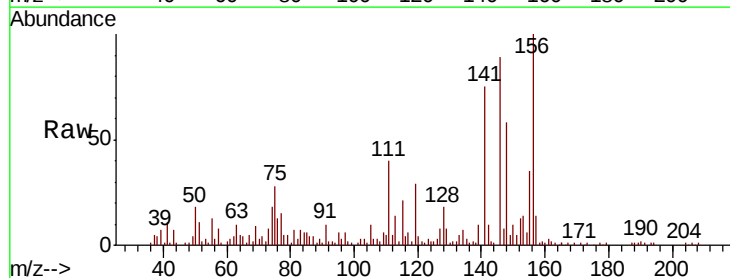
Tgt Ion:119 Resp: 8587

Ion Ratio Lower Upper

119 100

134 29.2 13.0 39.0

91 32.7 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

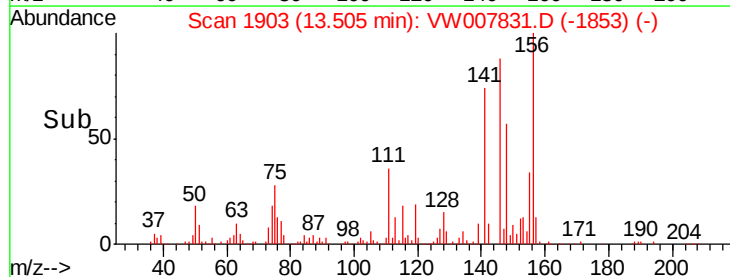
13.51

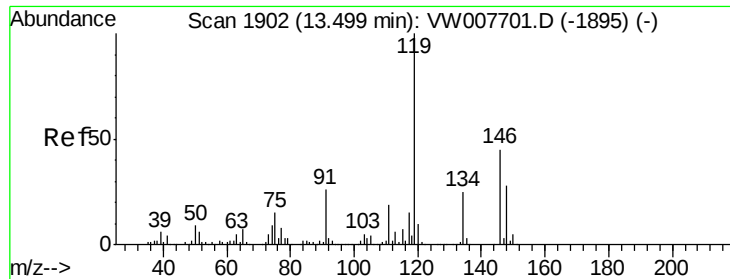
10000

5000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 55.053 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007831.D

Acq: 22 Dec 2018 09:41

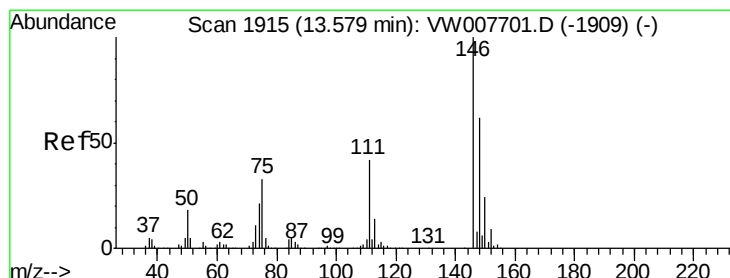
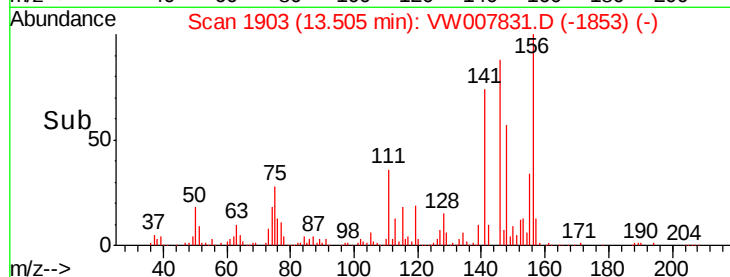
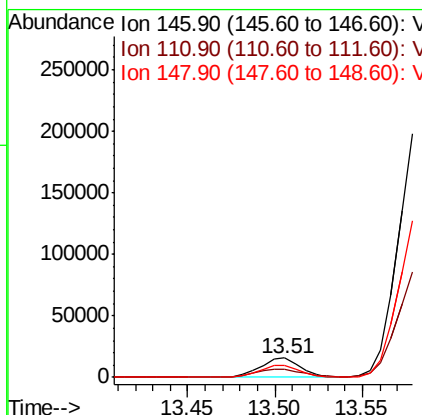
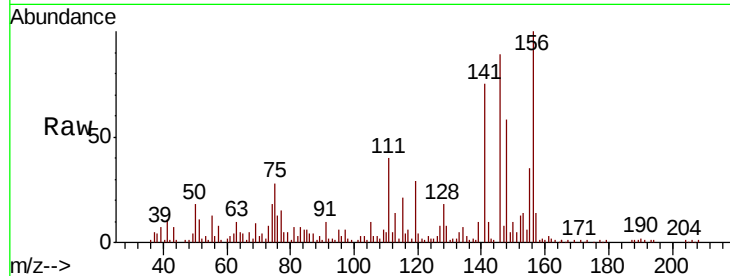
Instrument :
MSVOA_W

ClientSampleId :
P001-SS013B-3036-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.1	63.4
148	65.4	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 757.879 ug/l

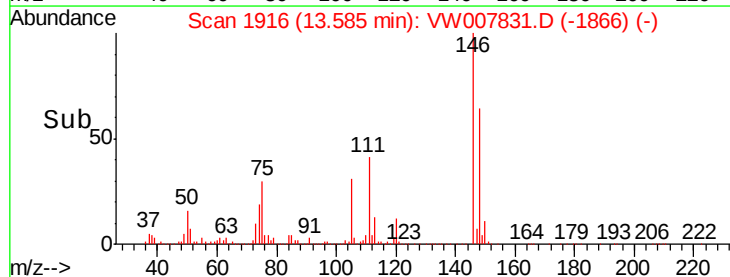
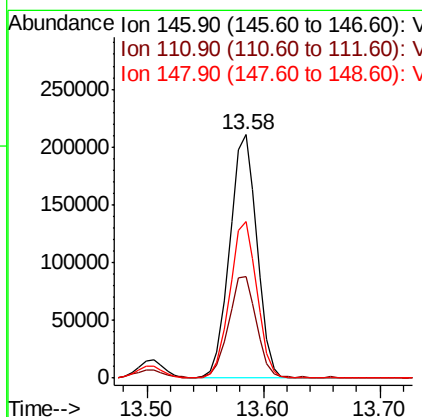
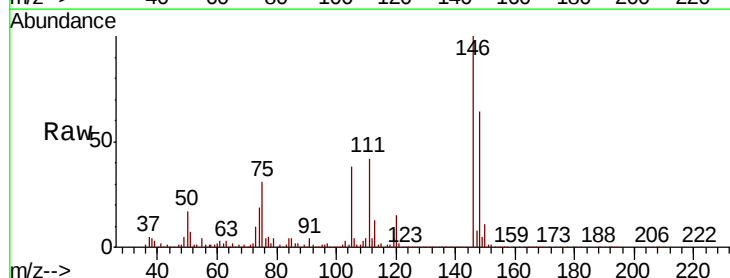
RT: 13.58 min Scan# 1916

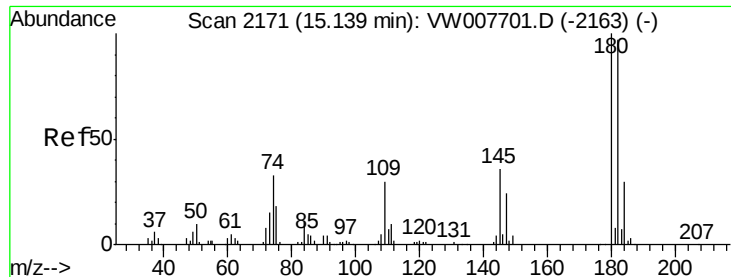
Delta R.T. 0.01 min

Lab File: VW007831.D

Acq: 22 Dec 2018 09:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	63.8	31.8	95.4





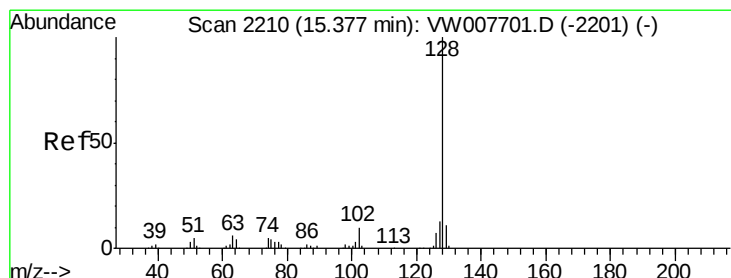
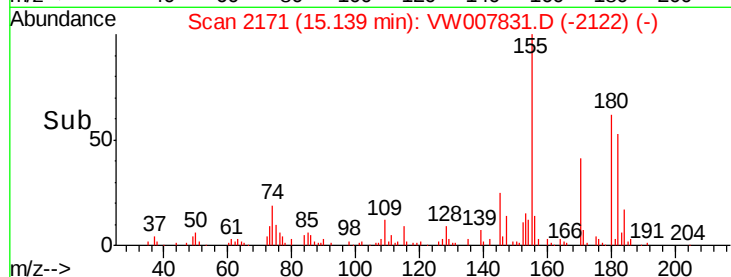
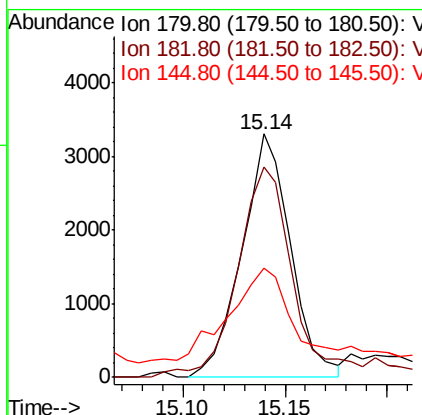
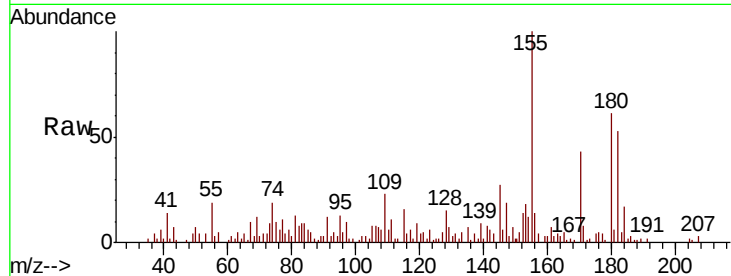
#93
 1,2,4-Trichlorobenzene
 Concen: 19.544 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007831.D
 Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.5	142.6
145	69.4	17.5	52.5#

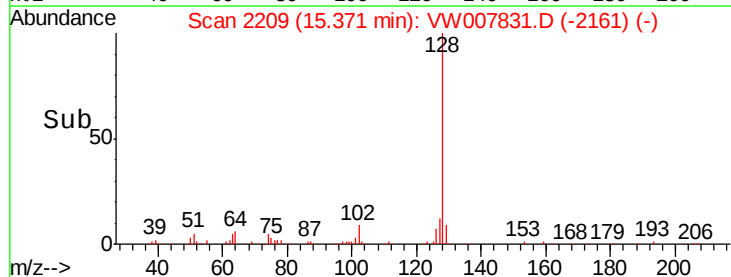
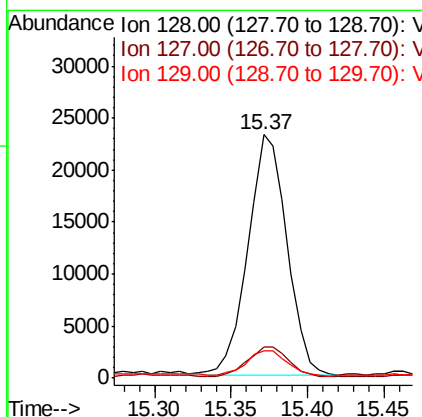
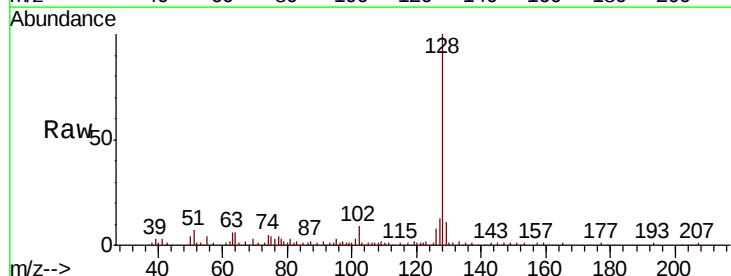
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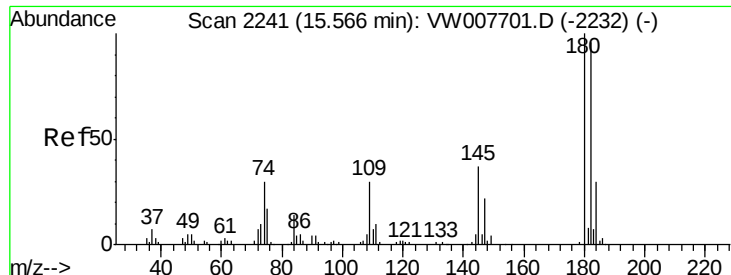
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#95
 Naphthalene
 Concen: 78.581 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007831.D
 Acq: 22 Dec 2018 09:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.8	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 11.391 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW007831.D
 Acq: 22 Dec 2018 09:41

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.4	142.2
145	61.6	18.4	55.0

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