

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008566.D
 Acq On : 07 Feb 2019 21:17
 Operator : SY/VA
 Sample : K1409-03
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(0-2)

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:39:38 PM

Quant Time: Feb 09 00:09:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	840101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1396195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1197674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	445928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	488387	59.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.36%	
35) Dibromofluoromethane	7.88	113	439252	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
50) Toluene-d8	10.32	98	1667068	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.62	95	571756	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	150673	81.296	ug/l	98
20) Methylene Chloride	4.91	84	27901	3.266	ug/l #	93
25) 2-Butanone	7.18	43	32992	12.816	ug/l	99
31) Cyclohexane	7.93	56	96211	5.940	ug/l #	81
39) Methylcyclohexane	9.33	83	124140	7.165	ug/l	96
52) Toluene	10.39	92	134135	5.552	ug/l	99
67) Ethyl Benzene	11.73	91	728327	16.206	ug/l	98
68) m/p-Xylenes	11.84	106	730676	41.904	ug/l	99
69) o-Xylene	12.16	106	158798	9.585	ug/l	99
73) Isopropylbenzene	12.46	105	89772	2.700	ug/l	99
78) n-propylbenzene	12.80	91	449887	11.267	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	445831	16.045	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1761066	62.353	ug/l	100
85) sec-Butylbenzene	13.38	105	51893m	1.469	ug/l	
89) n-Butylbenzene	13.82	91	185568	6.110	ug/l #	81
95) Naphthalene	15.37	128	1771754	108.988	ug/l	100

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

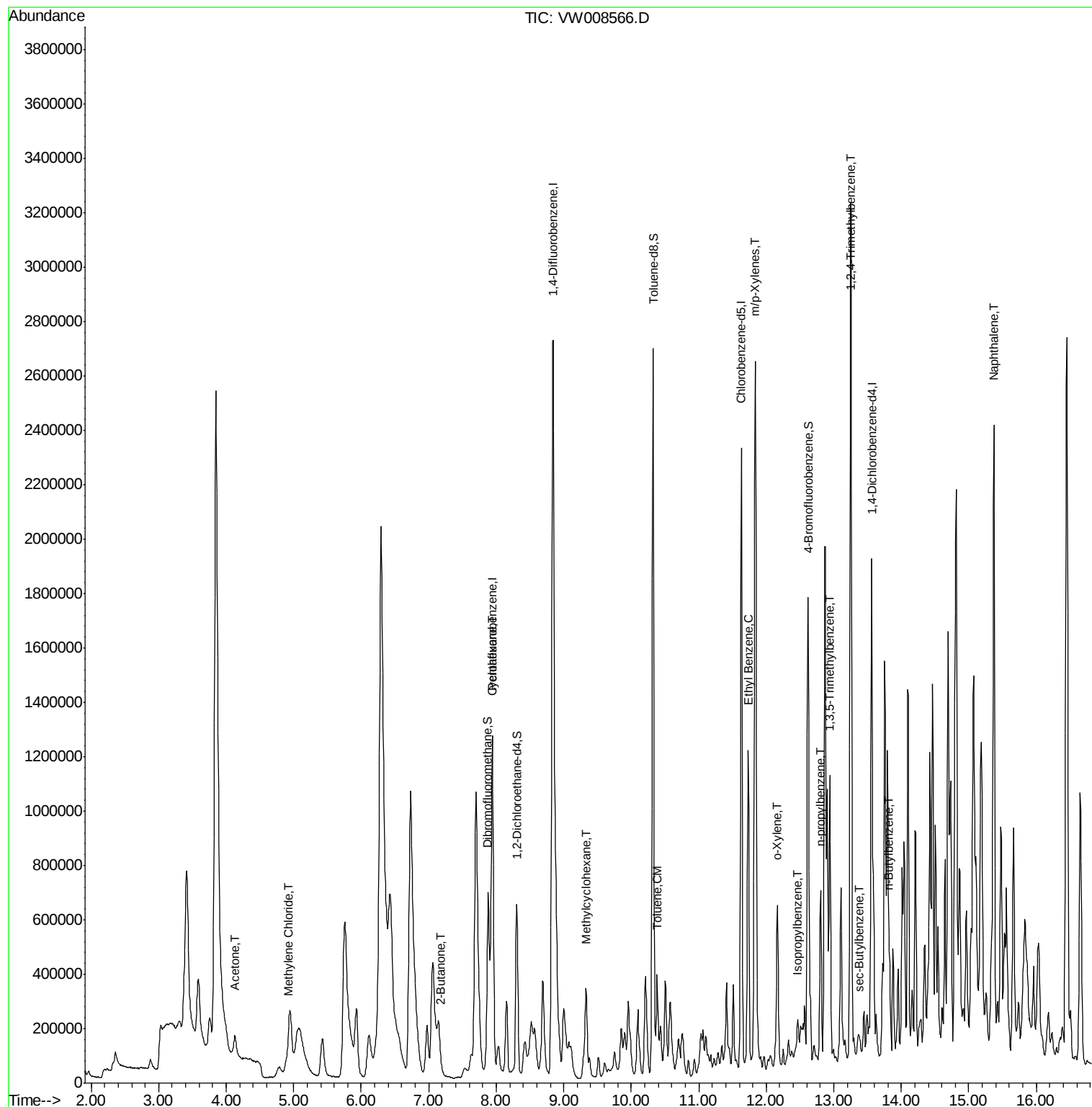
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008566.D

Acq: 07 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampled :

SB-09(0-2)

Tot Ion:168 Resp: 840101

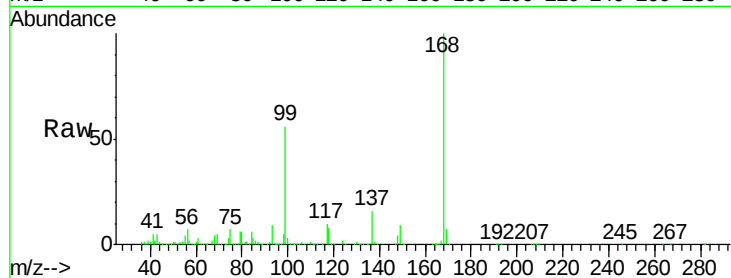
Ion Ratio Lower Upper

168 100

99 56.0 45.5 68.3

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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

400000

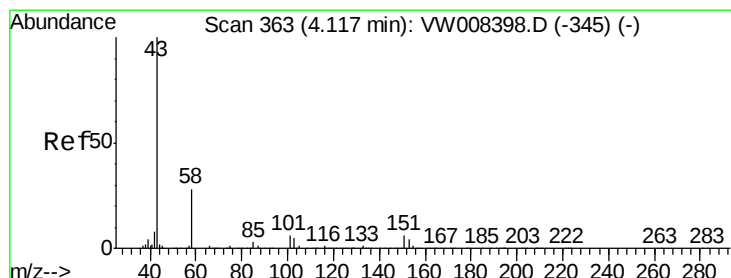
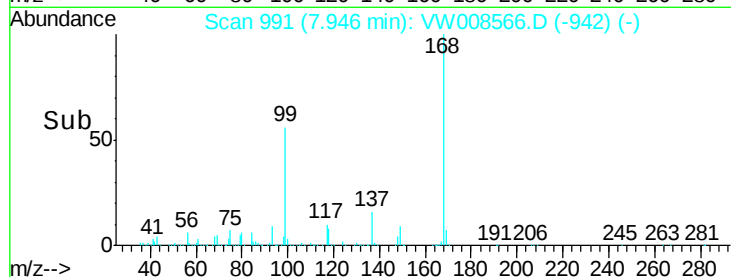
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 81.296 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008566.D

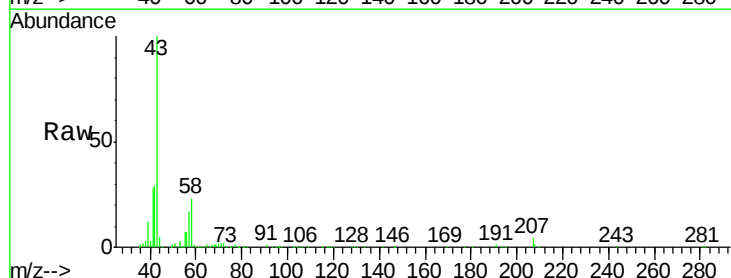
Acq: 07 Feb 2019 21:17

Tgt Ion: 43 Resp: 150673

Ion Ratio Lower Upper

43 100

58 29.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

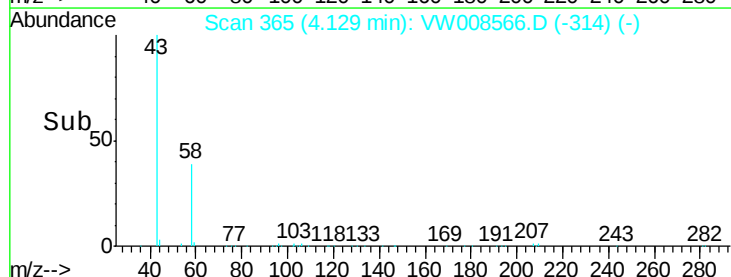
60000

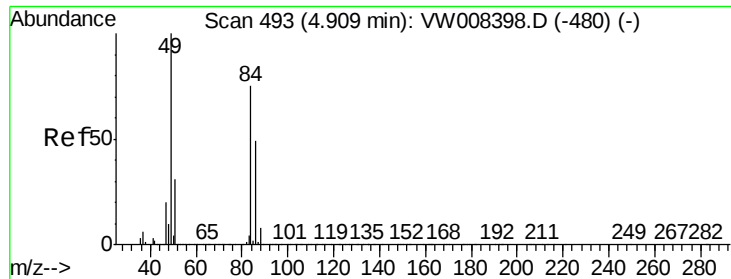
40000

20000

0

Time--> 4.00 4.10 4.20





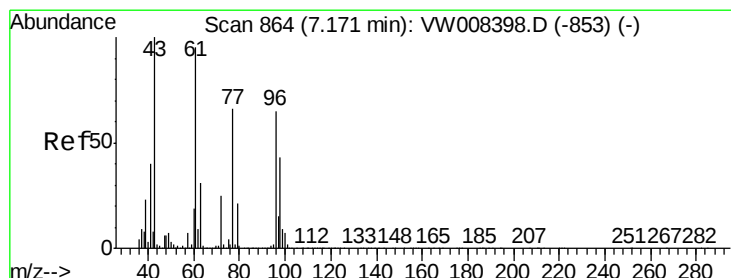
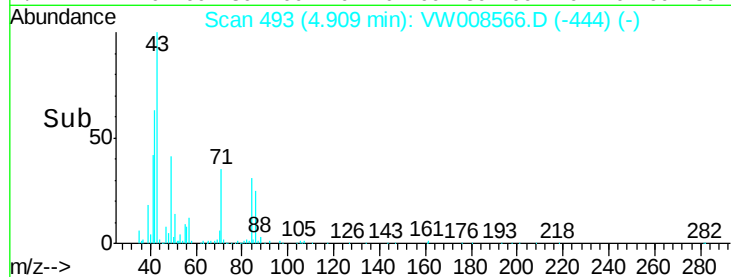
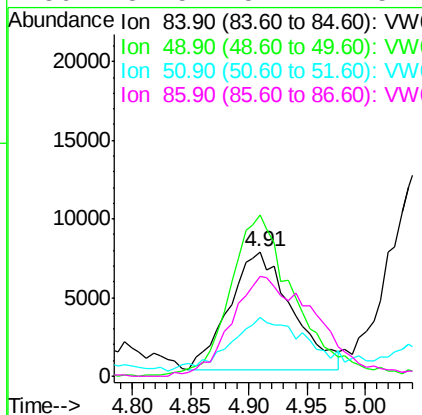
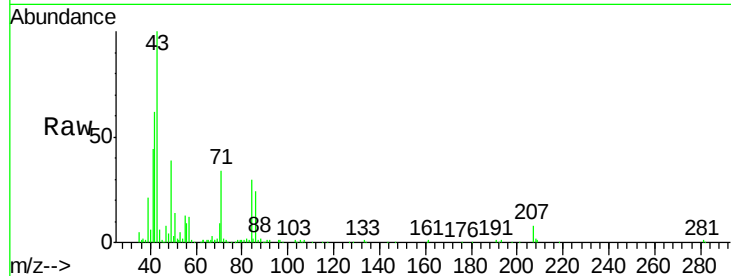
#20
Methvlene Chloride
Concen: 3.266 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	130.4	106.8	160.2	
51	39.7	32.9	49.3	
86	81.5	52.2	78.2	

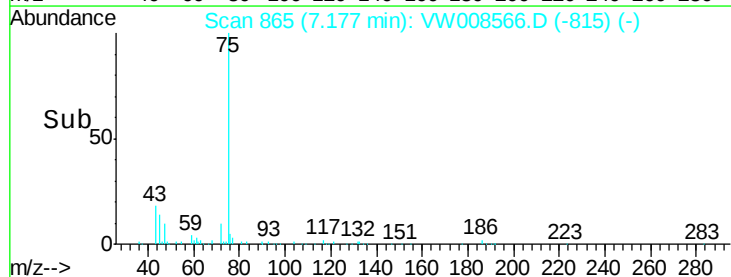
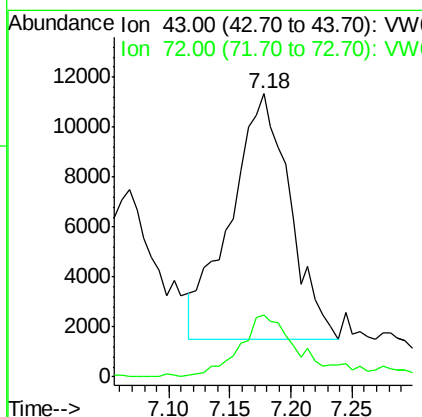
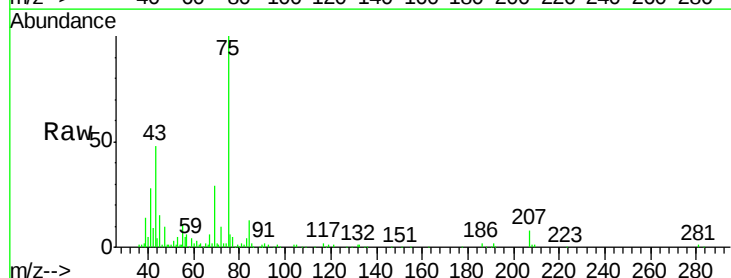
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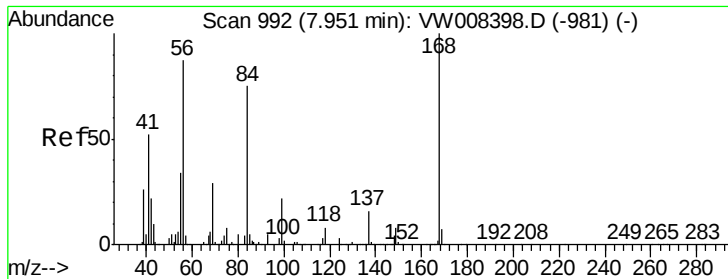
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#25
2-Butanone
Concen: 12.816 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
72	24.6	20.1	30.1	





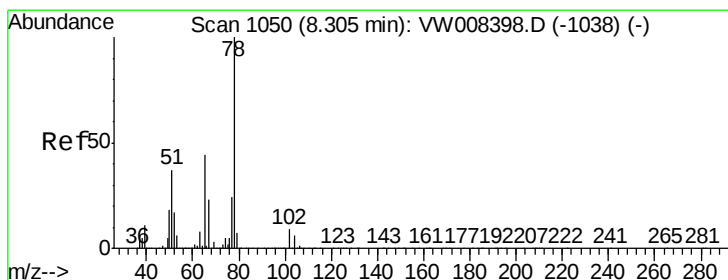
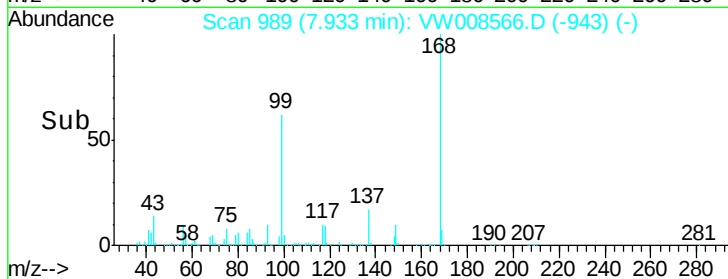
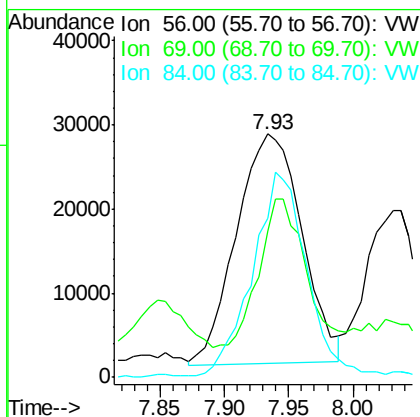
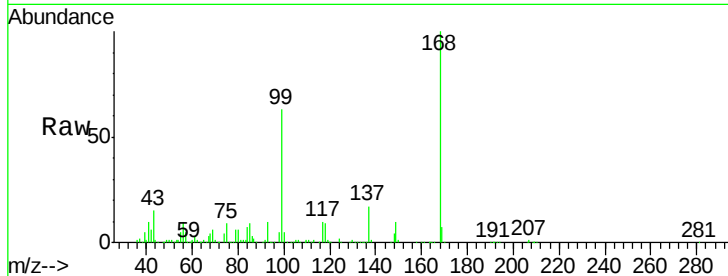
#31
Cyclohexane
Concen: 5.940 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.7	26.4	39.6#
84	69.2	69.1	103.7

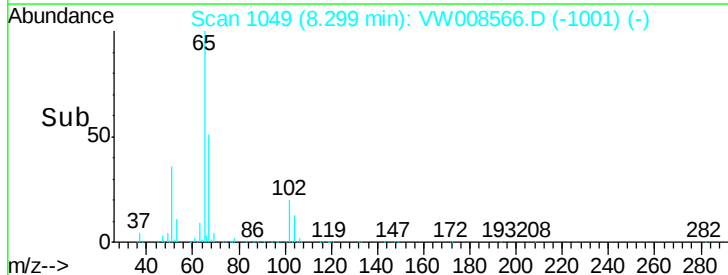
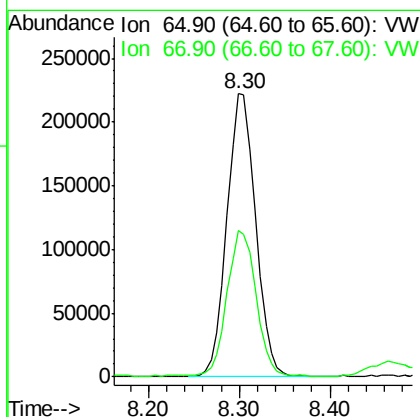
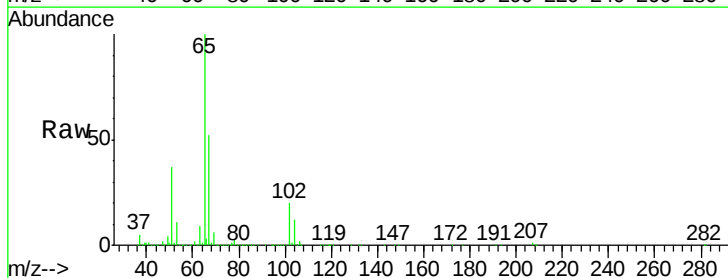
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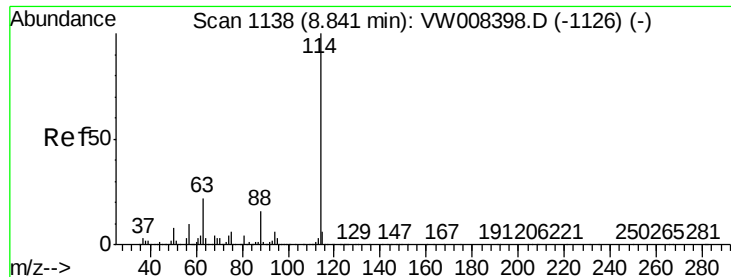
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#33
1,2-Dichloroethane-d4
Concen: 59.175 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.0





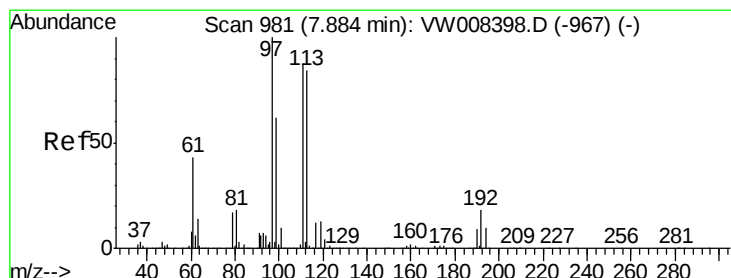
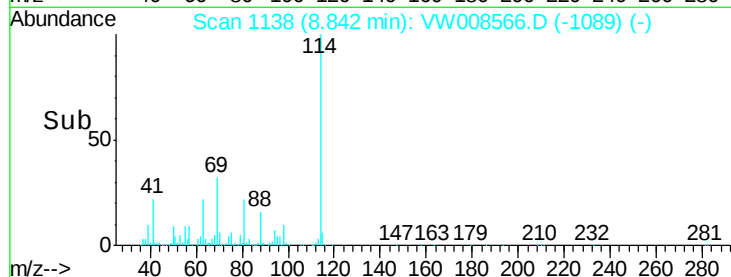
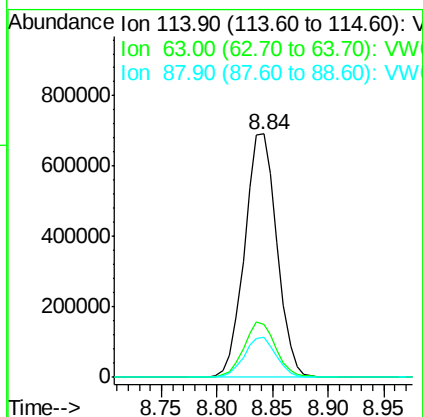
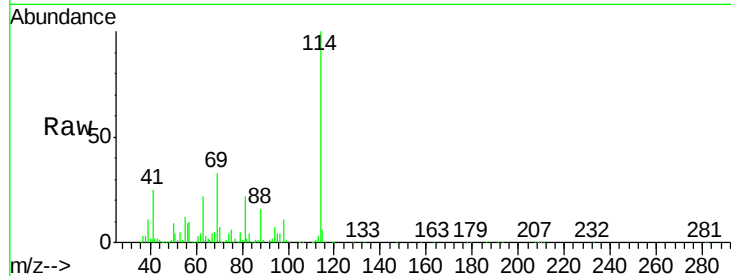
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008566.D
 Acq: 07 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(0-2)

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.6
88	16.3	0.0	31.8

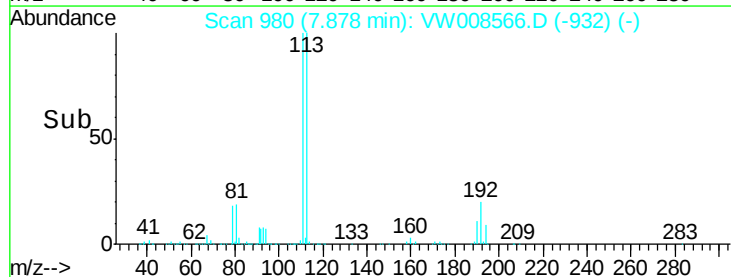
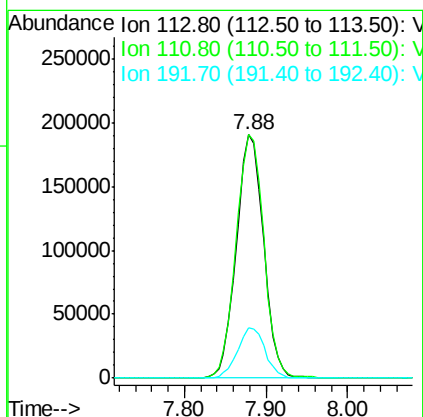
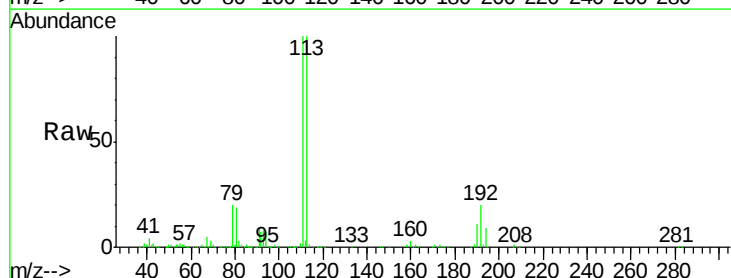
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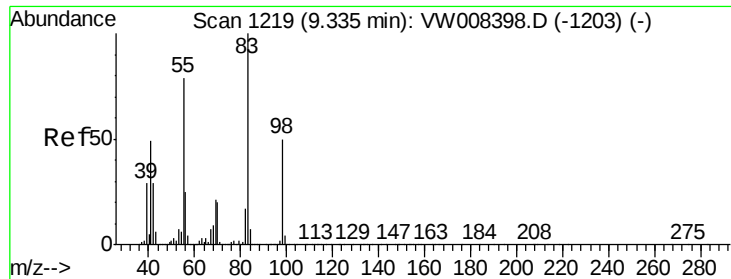
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#35
 Dibromofluoromethane
 Concen: 53.803 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008566.D
 Acq: 07 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.4
192	20.9	16.8	25.2





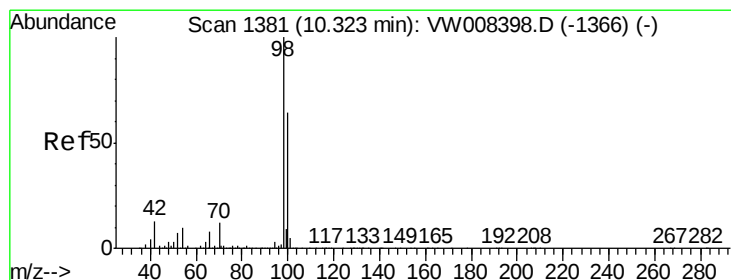
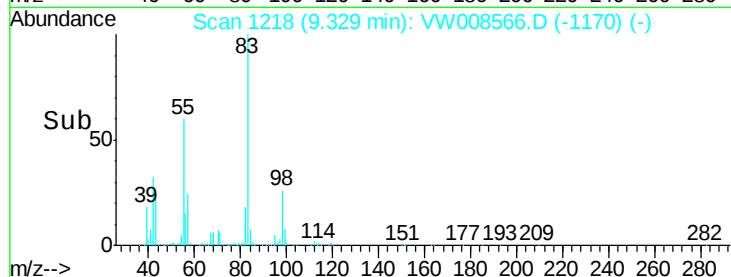
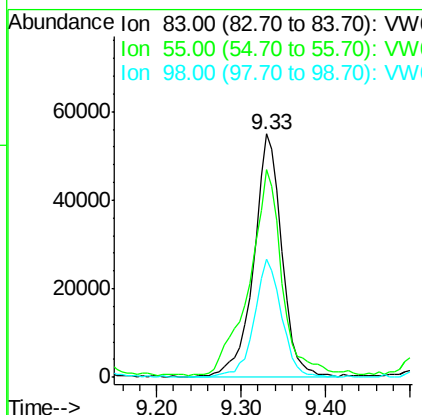
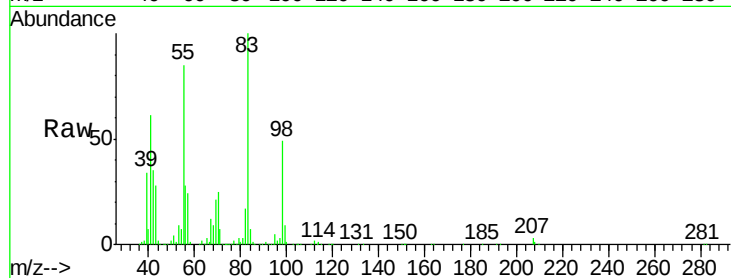
#39
Methvlcvclohexane
Concen: 7.165 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	63.3	94.9
98	48.5	39.7	59.5

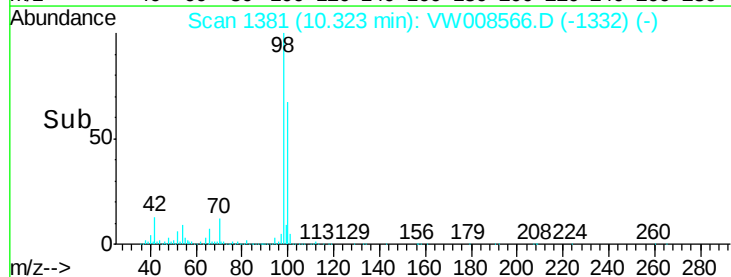
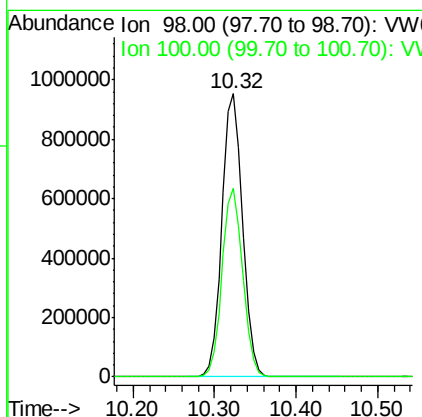
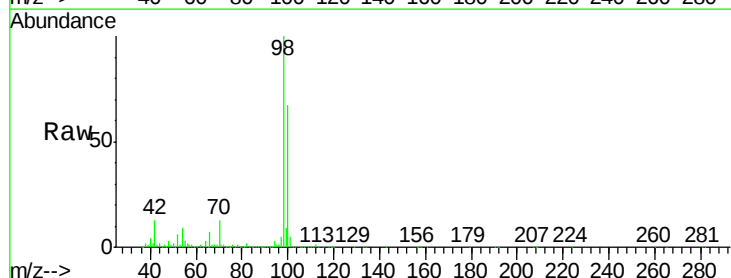
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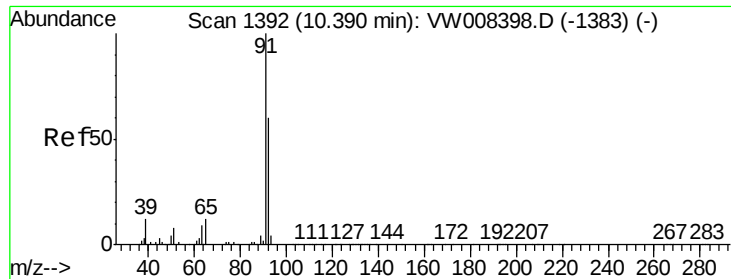
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#50
Toluene-d8
Concen: 50.921 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.6	78.8





#52

Toluene

Concen: 5.552 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008566.D

Acq: 07 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampled :

SB-09(0-2)

Tot Ion: 92 Resp: 134135

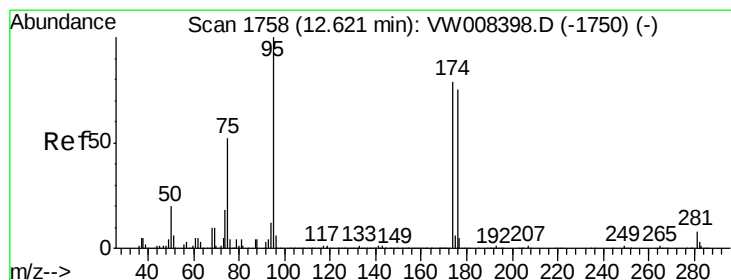
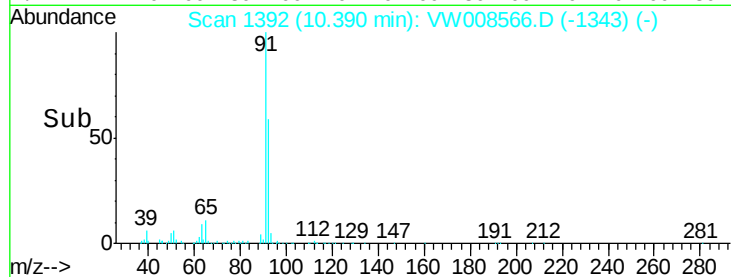
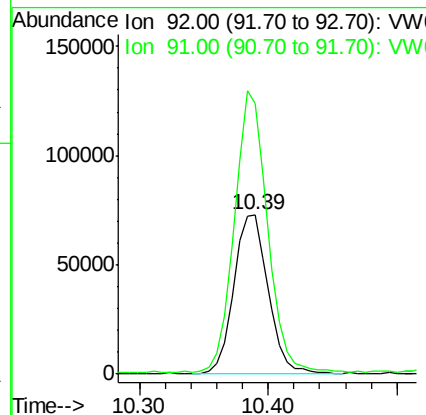
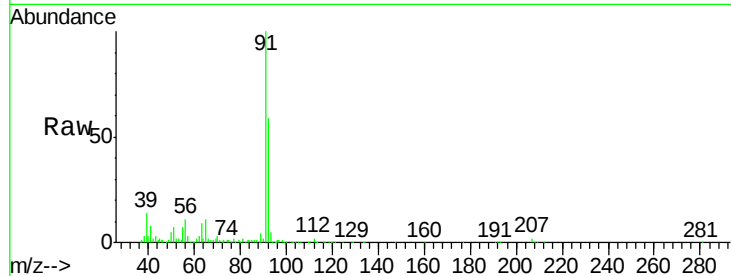
Ion Ratio Lower Upper

92 100

91 171.4 135.5 203.3

Manual Integrations
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2/11/2019 12:39:38 PM



#62

4-Bromofluorobenzene

Concen: 45.435 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008566.D

Acq: 07 Feb 2019 21:17

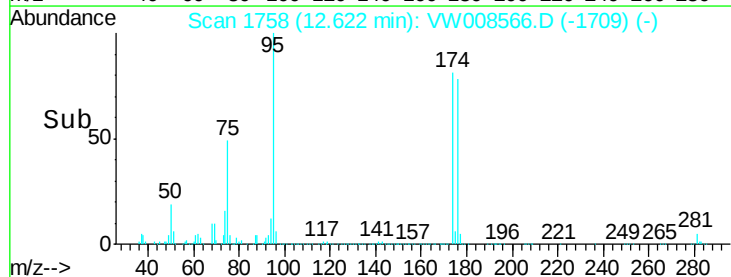
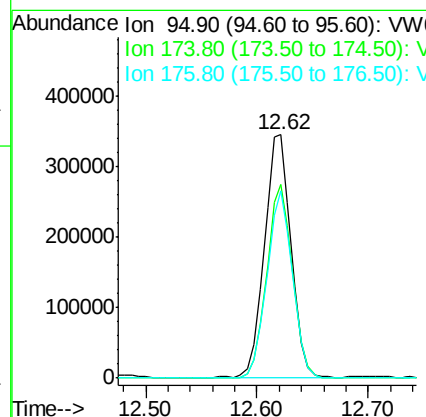
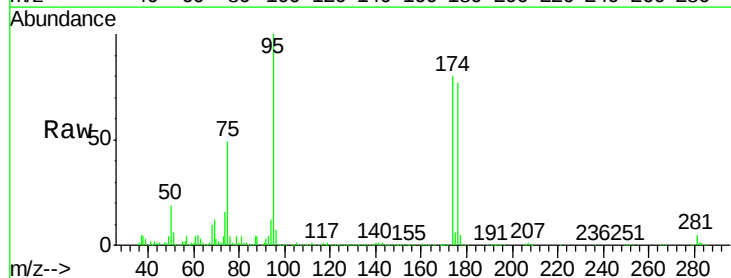
Tgt Ion: 95 Resp: 571756

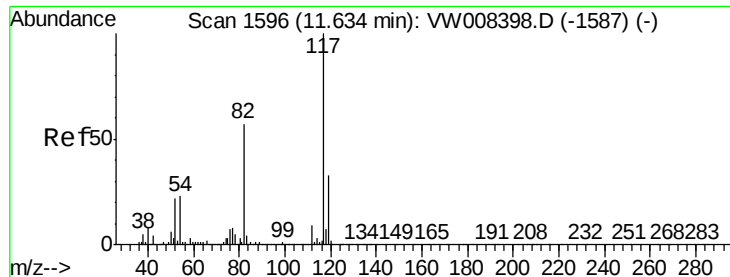
Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.6

176 74.1 0.0 151.8





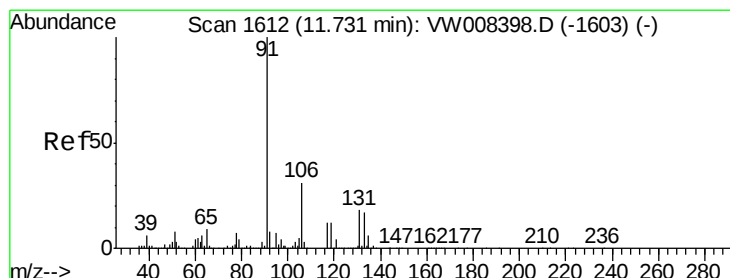
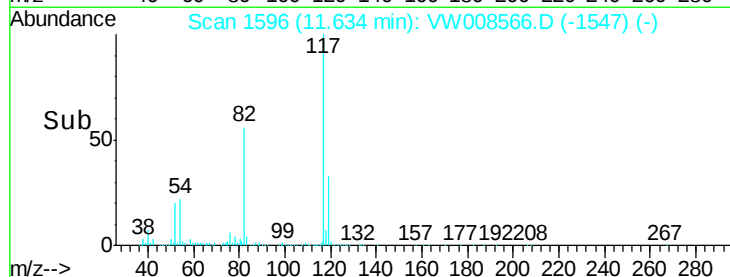
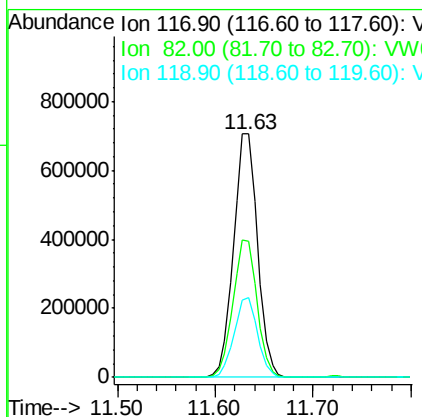
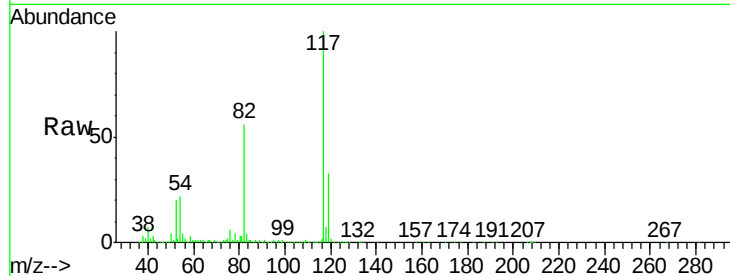
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.0
119	32.8	26.2	39.4

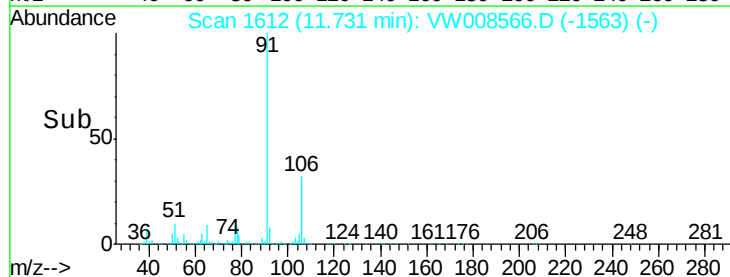
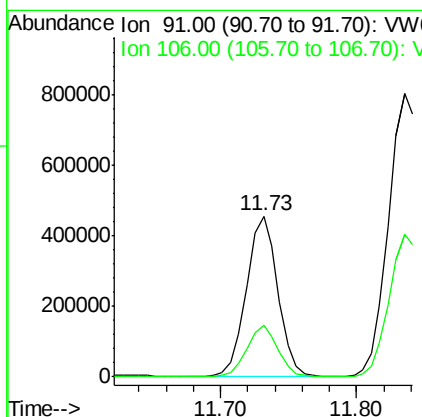
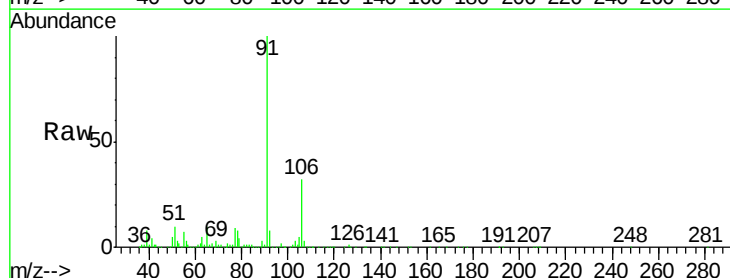
Manual Integrations
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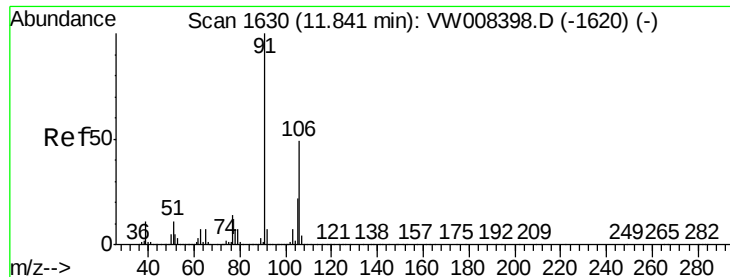
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#67
Ethyl Benzene
Concen: 16.206 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.7	37.1





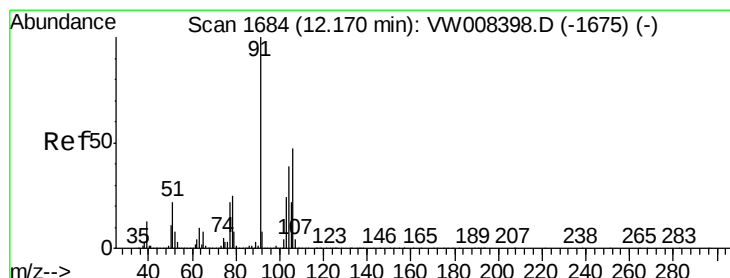
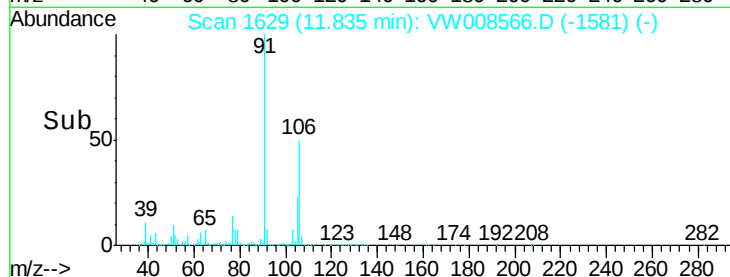
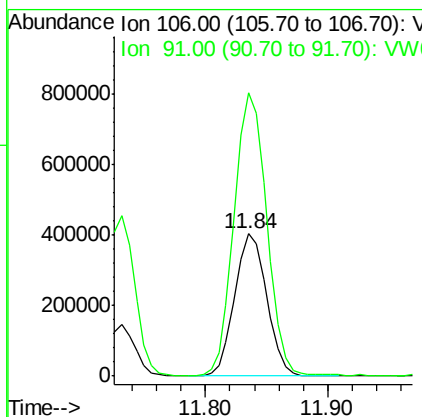
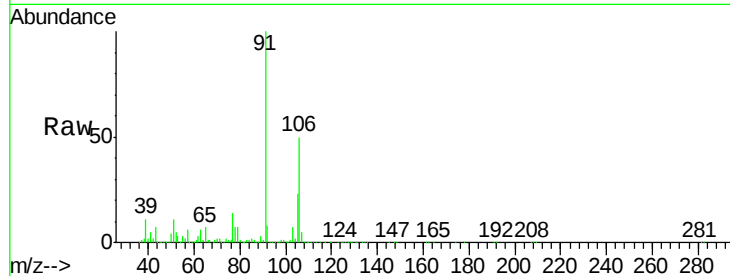
#68
m/p-Xylenes
Concen: 41.904 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.7	162.9	244.3	

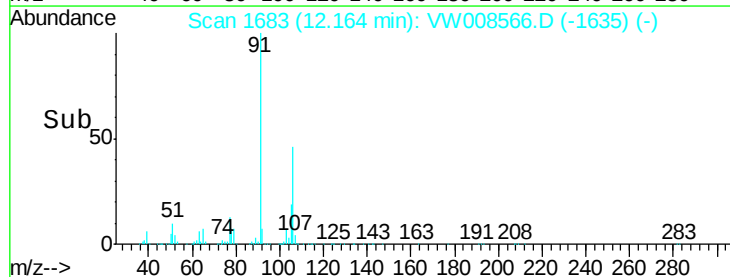
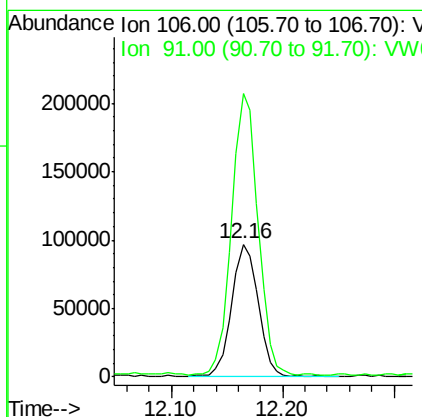
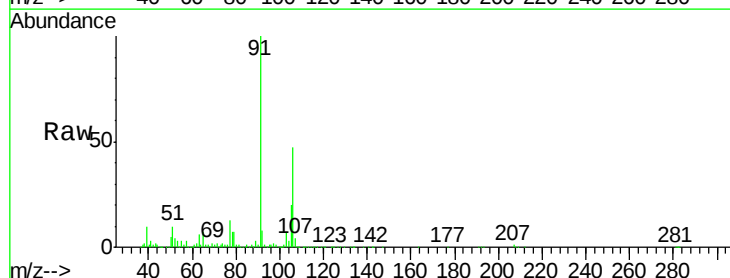
Manual Integrations
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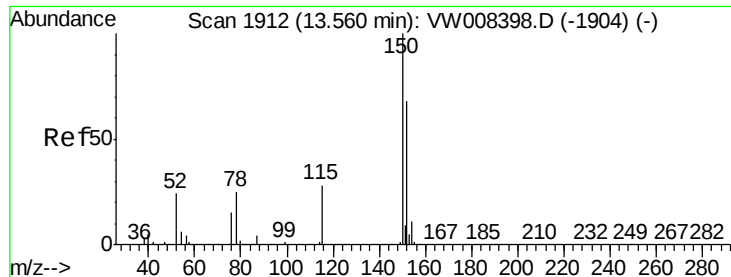
MMDadoda
2/11/2019 12:39:38 PM



#69
o-Xylene
Concen: 9.585 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.1	107.5	322.4	





#72

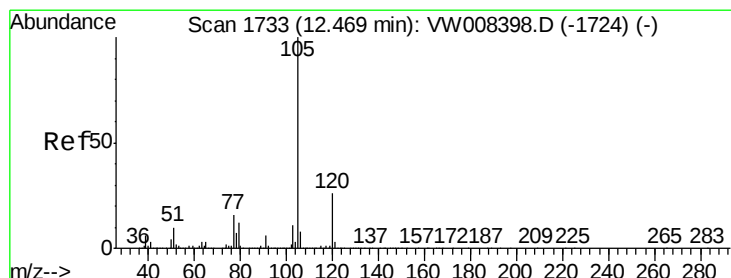
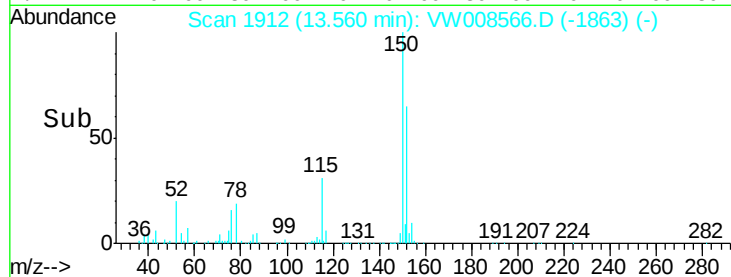
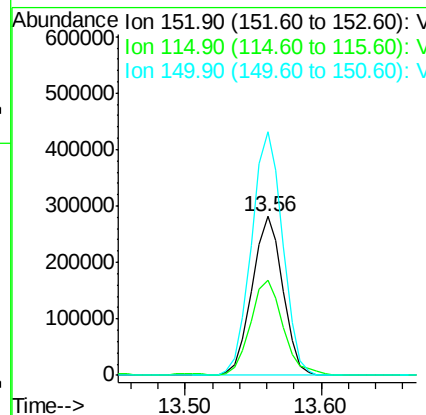
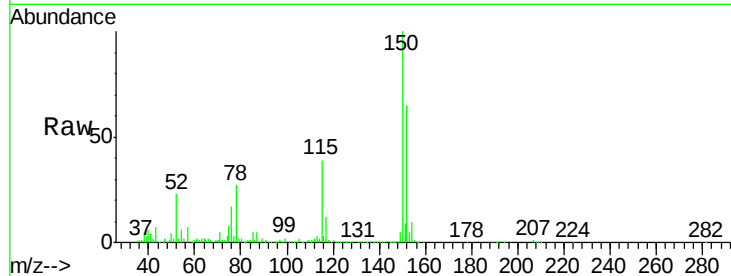
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.9	29.9	89.7
150	155.8	0.0	351.4

Manual Integrations
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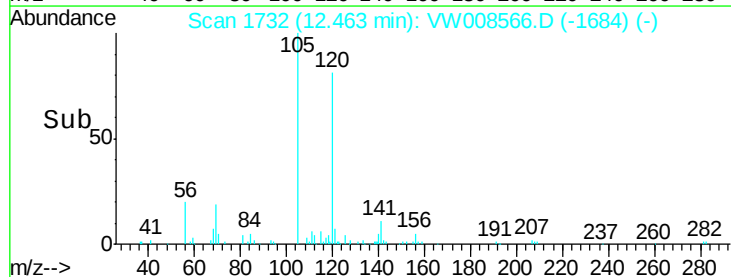
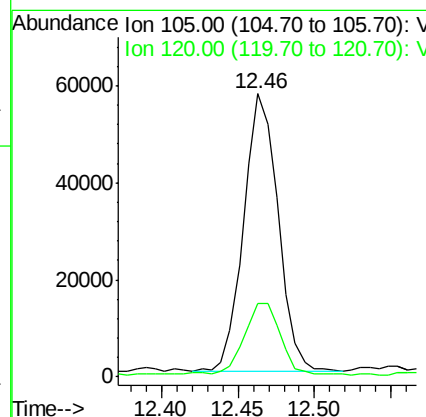
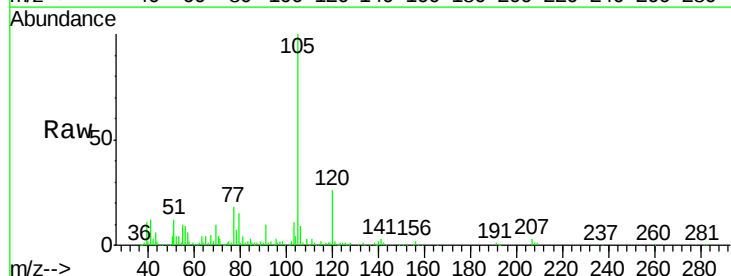
MMDadoda
2/11/2019 12:39:38 PM

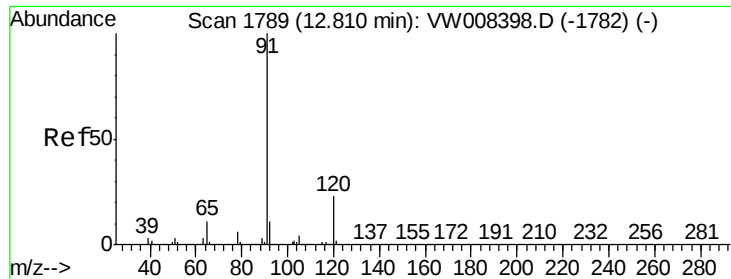


#73

Isopropylbenzene
Concen: 2.700 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW008566.D
Acq: 07 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.8





#78

n-propylbenzene

Concen: 11.267 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008566.D

Acq: 07 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

SB-09(0-2)

Tot Ion: 91 Resp: 449887

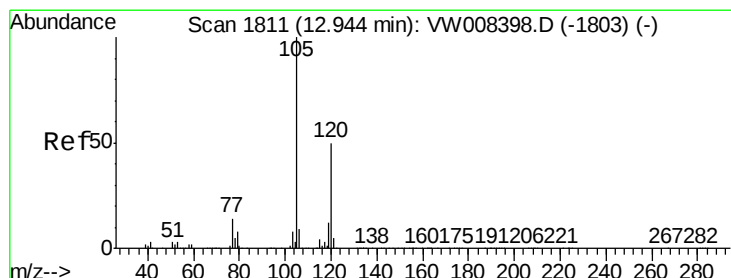
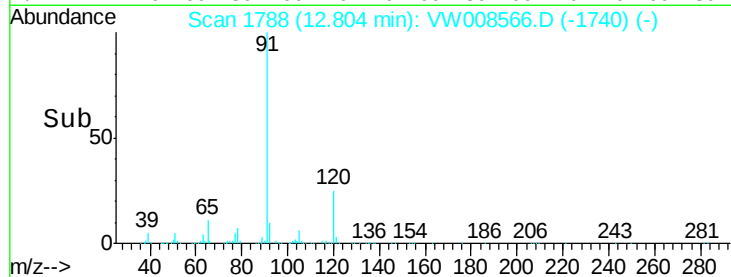
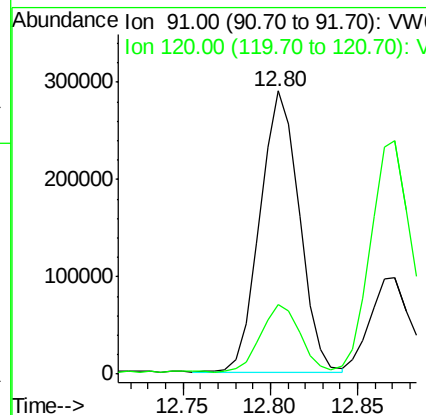
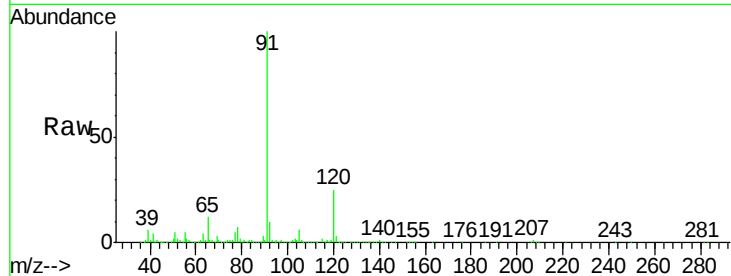
Ion Ratio Lower Upper

91 100

120 24.0 11.4 34.1

Manual Integrations
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2/11/2019 12:39:38 PM



#80

1,3,5-Trimethylbenzene

Concen: 16.045 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008566.D

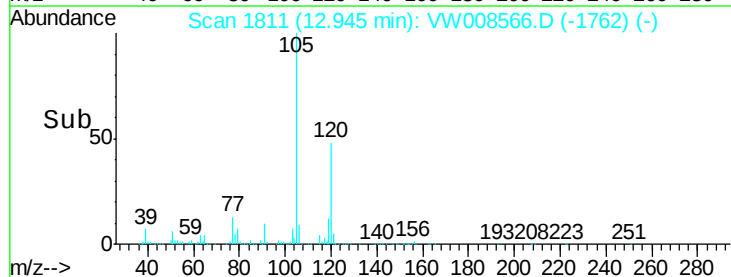
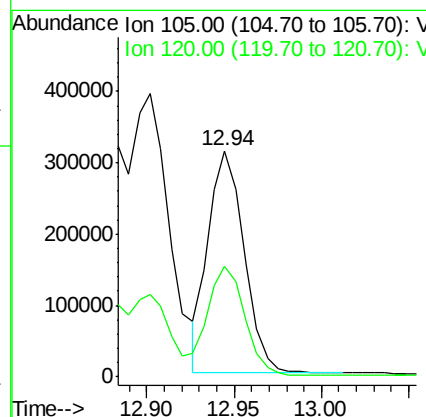
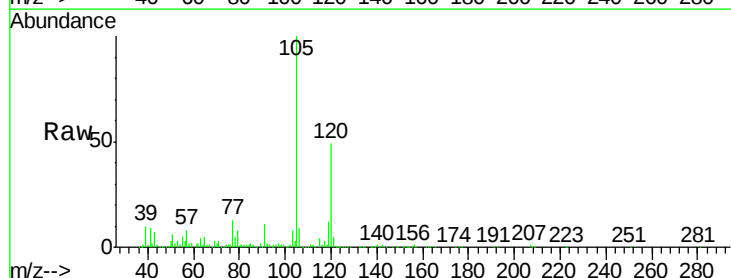
Acq: 07 Feb 2019 21:17

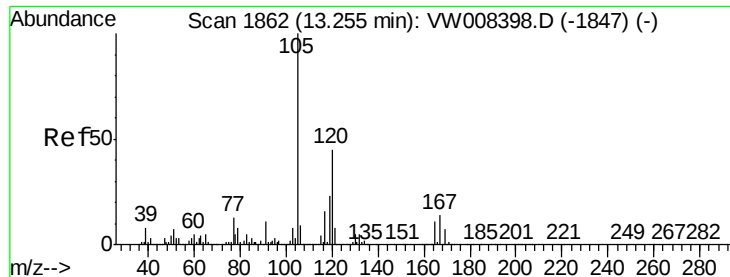
Tgt Ion: 105 Resp: 445831

Ion Ratio Lower Upper

105 100

120 51.4 24.6 73.8





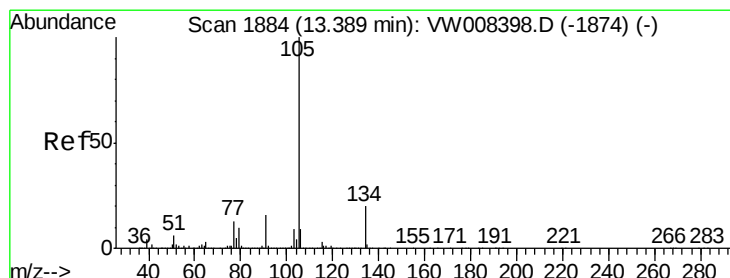
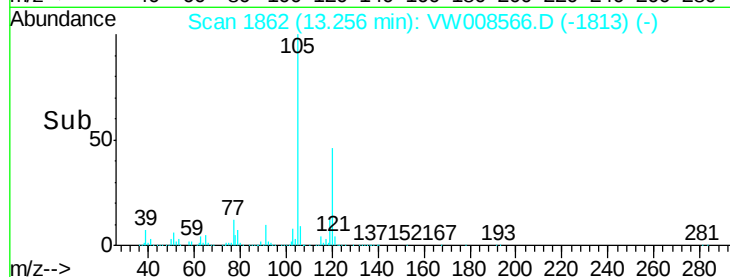
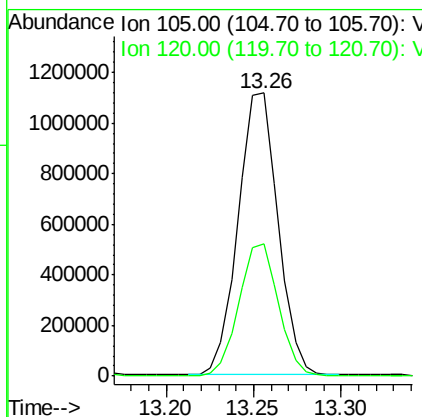
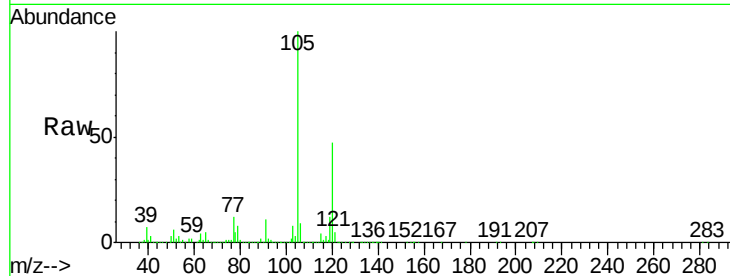
#84
 1,2,4-Trimethylbenzene
 Concen: 62.353 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008566.D
 Acq: 07 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(0-2)

Tot Ion:105 Resp: 1761066
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.2

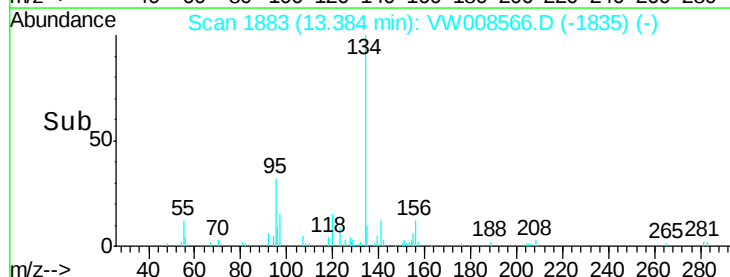
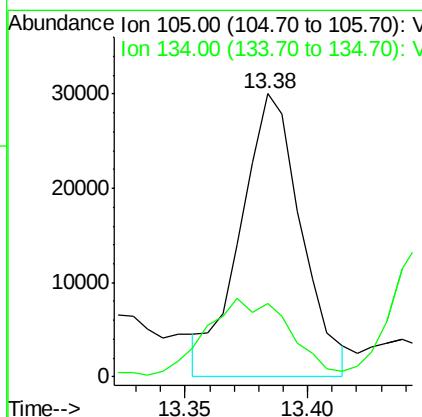
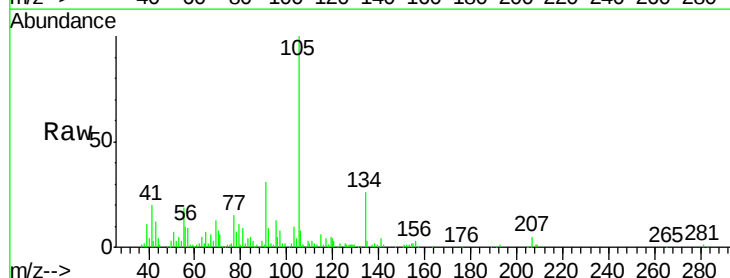
Manual Integrations
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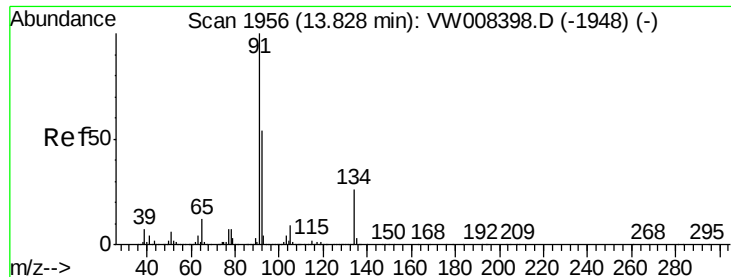
MMDadoda
 2/11/2019 12:39:38 PM



#85
 sec-Butylbenzene
 Concen: 1.469 ug/l m
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008566.D
 Acq: 07 Feb 2019 21:17

Tgt Ion:105 Resp: 51893
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6#





#89

n-Butylbenzene

Concen: 6.110 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW008566.D

Acq: 07 Feb 2019 21:17

Instrument :

MSVOA_W

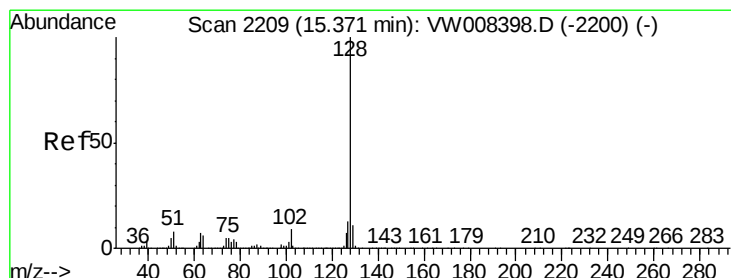
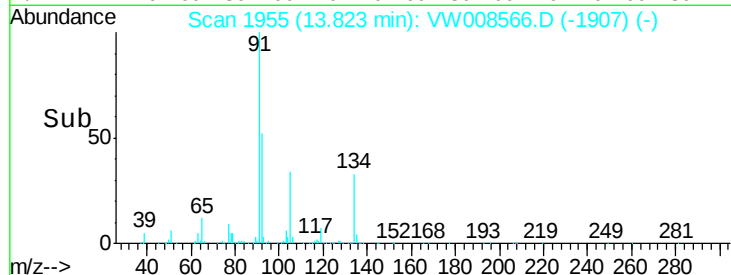
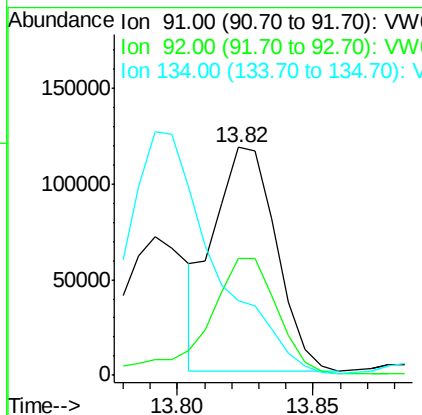
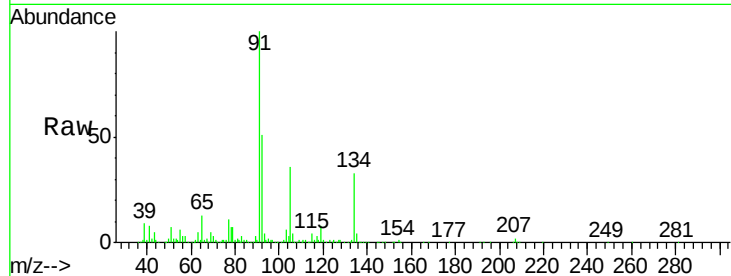
ClientSampleId :

SB-09(0-2)

Tot Ion:	91	Resp:	185568
Ion Ratio		Lower	Upper
91	100		
92	57.7	27.4	82.2
134	0.0	13.0	39.0#

Manual Integrations
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2/11/2019 12:39:38 PM



#95

Naphthalene

Concen: 108.988 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008566.D

Acq: 07 Feb 2019 21:17

Tgt Ion:	128	Resp:	1771754
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.7	13.1

