

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012311.D
 Acq On : 29 Aug 2019 18:38
 Operator : SY/VA
 Sample : K4498-05RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:29 AM

Quant Time: Aug 30 07:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	156523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	256372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	186701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	96390	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.88	113	77177	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.32	98	423922	68.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.64%	
62) 4-Bromofluorobenzene	12.62	95	163316	74.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.34%	

Target Compounds

						Qvalue
16) Acetone	4.12	43	42390	89.124	ug/l	97
17) Carbon Disulfide	4.38	76	5647	1.190	ug/l #	95
20) Methylene Chloride	4.92	84	9826	5.465	ug/l #	94
25) 2-Butanone	7.17	43	14287	22.105	ug/l	95
31) Cyclohexane	7.95	56	180133	53.748	ug/l	98
39) Methylcyclohexane	9.34	83	1306592	439.001	ug/l	99
67) Ethyl Benzene	11.73	91	185954	26.258	ug/l	99
68) m/p-Xylenes	11.84	106	92264	36.169	ug/l	94
69) o-Xylene	12.16	106	17171	7.273	ug/l	32
73) Isopropylbenzene	12.46	105	368315	49.837	ug/l	100
78) n-propylbenzene	12.80	91	540791	59.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	218821	35.435	ug/l	100
83) tert-Butylbenzene	13.21	119	50593	9.672	ug/l	83
84) 1,2,4-Trimethylbenzene	13.25	105	815009	131.383	ug/l	98
85) sec-Butylbenzene	13.38	105	550674	73.478	ug/l	82
86) p-Isopropyltoluene	13.50	119	266103	39.759	ug/l	98
89) n-Butylbenzene	13.82	91	442341m	66.460	ug/l	
95) Naphthalene	15.37	128	2255148	558.124	ug/l	97

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

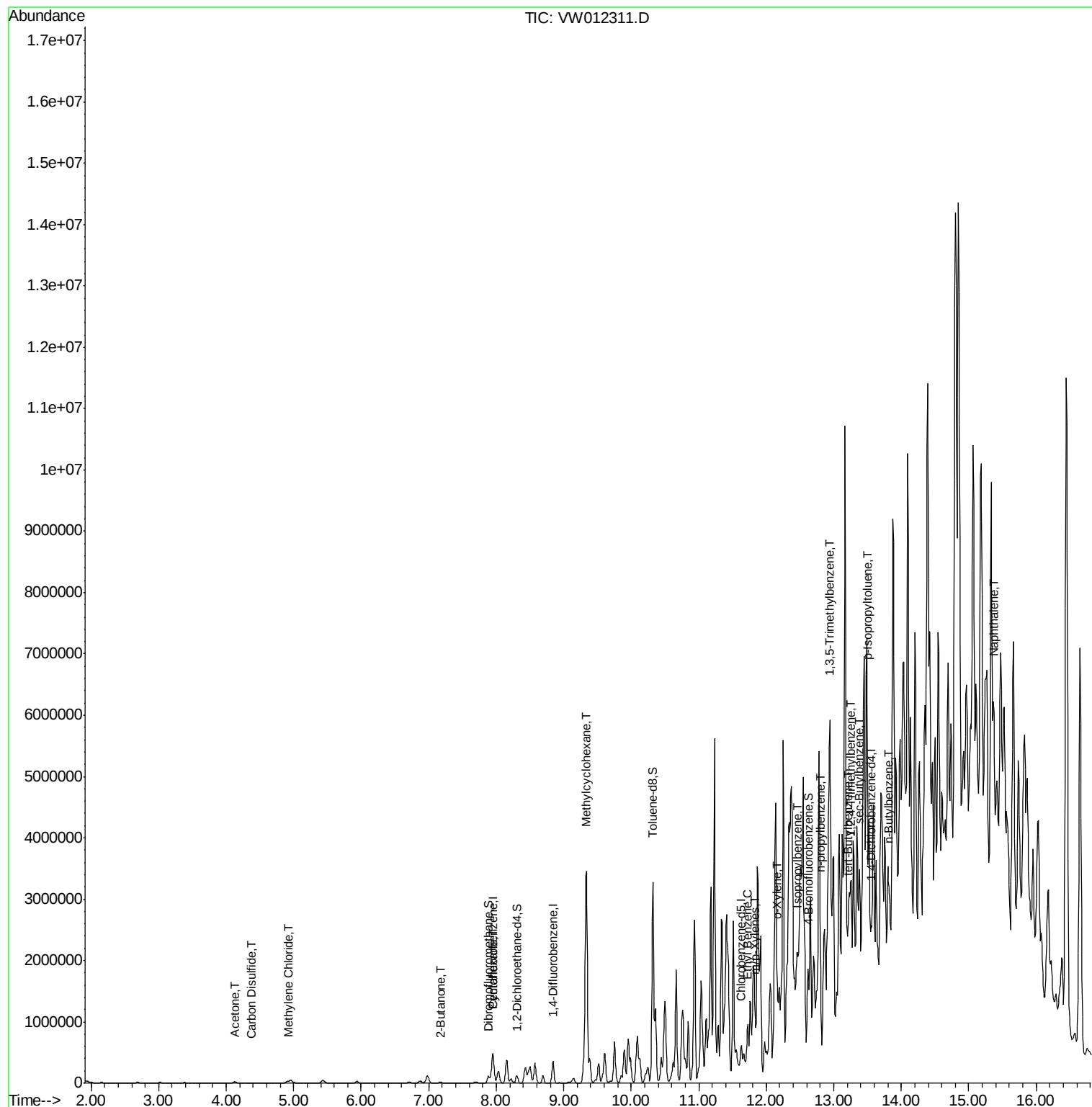
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082919\
Data File : VW012311.D
Acq On : 29 Aug 2019 18:38
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

Tot Ion:168 Resp: 156523

Ion Ratio Lower Upper

168 100

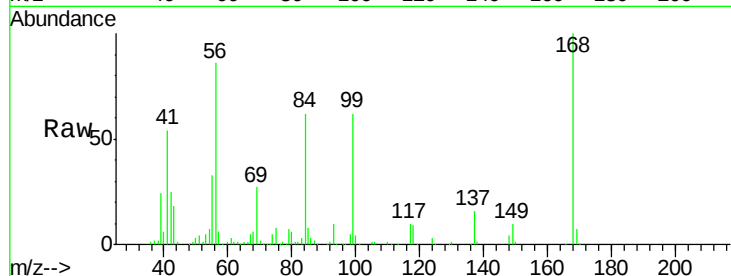
99 61.6 49.2 73.8

Manual Integrations

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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

80000

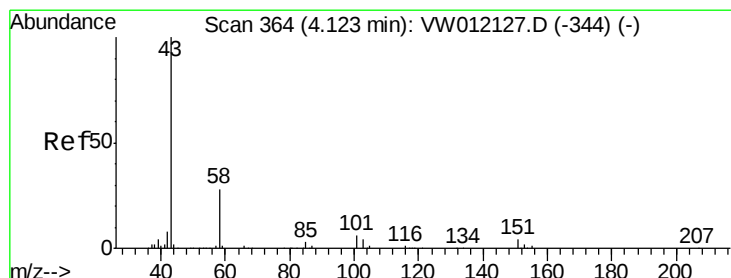
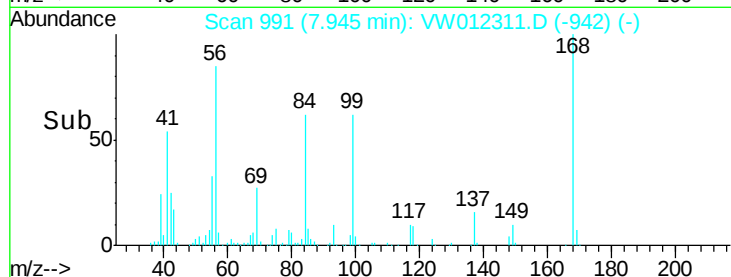
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 89.124 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012311.D

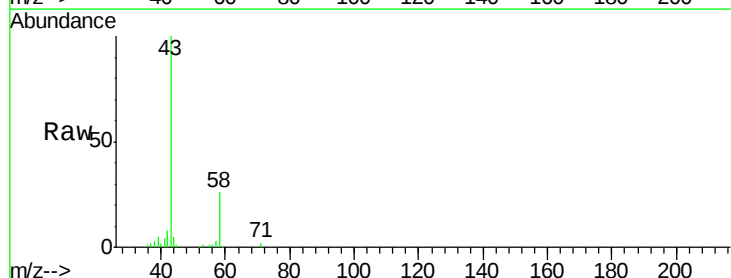
Acq: 29 Aug 2019 18:38

Tgt Ion: 43 Resp: 42390

Ion Ratio Lower Upper

43 100

58 26.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

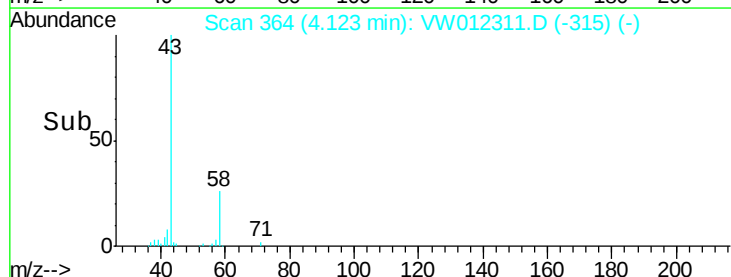
15000

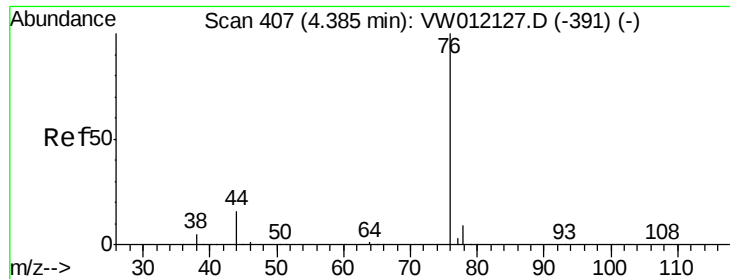
10000

5000

0

Time--> 4.00 4.10 4.20 4.30





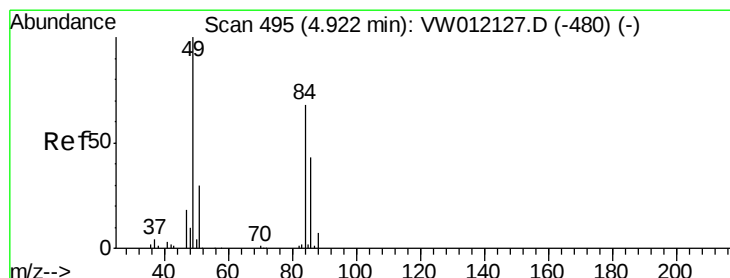
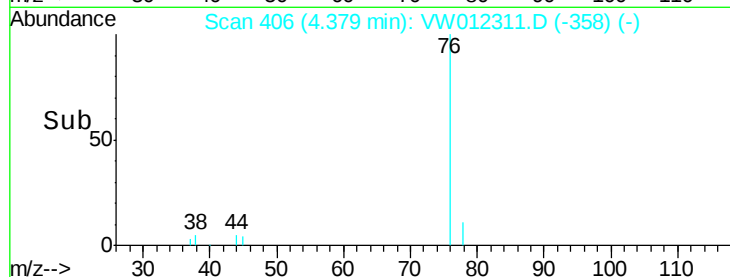
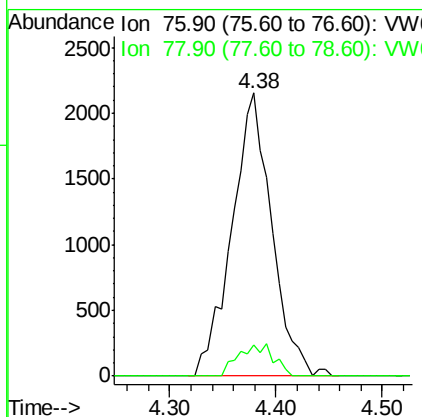
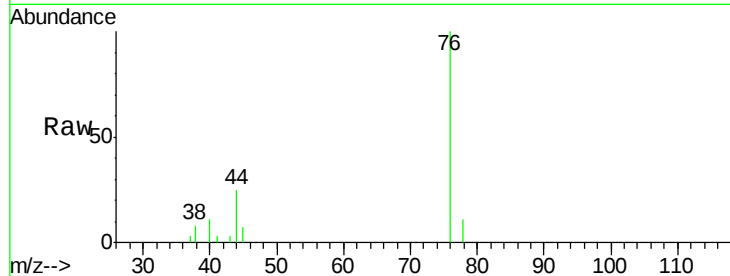
#17
Carbon Disulfide
Concen: 1.190 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.3	10.9#

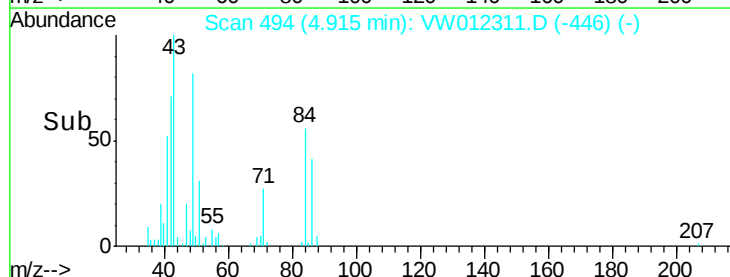
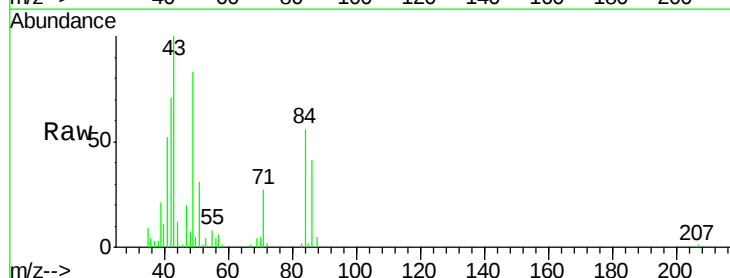
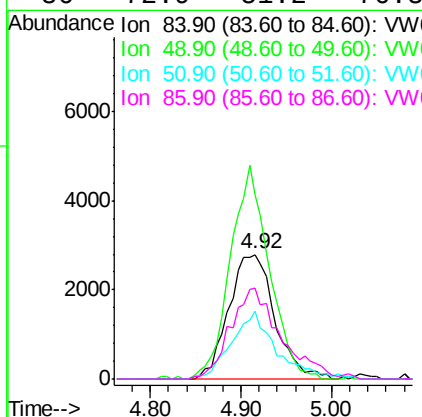
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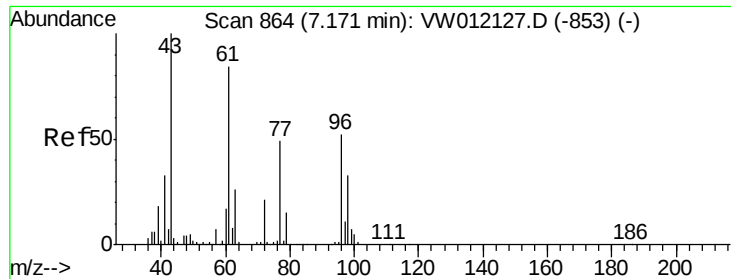
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#20
Methylene Chloride
Concen: 5.465 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.0	117.8	176.8
51	54.9	35.6	53.4#
86	72.9	51.2	76.8





#25

2-Butanone

Concen: 22.105 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

Tot Ion: 43 Resp: 14287

Ion Ratio Lower Upper

43 100

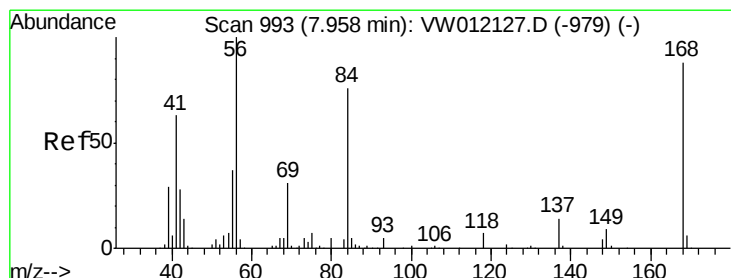
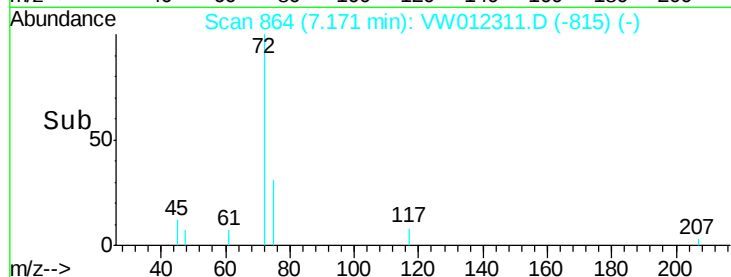
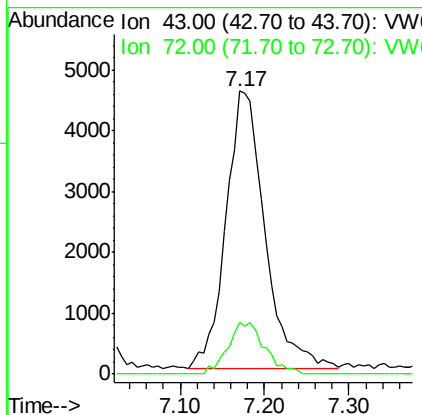
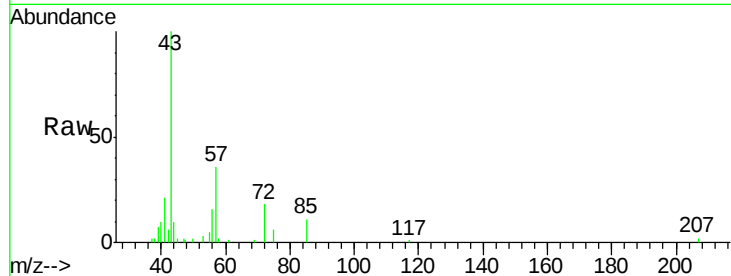
72 18.5 16.6 24.8

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#31

Cyclohexane

Concen: 53.748 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

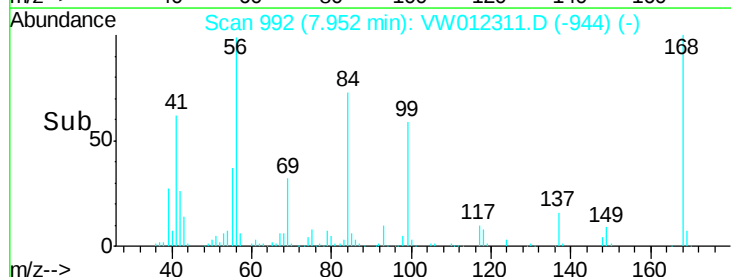
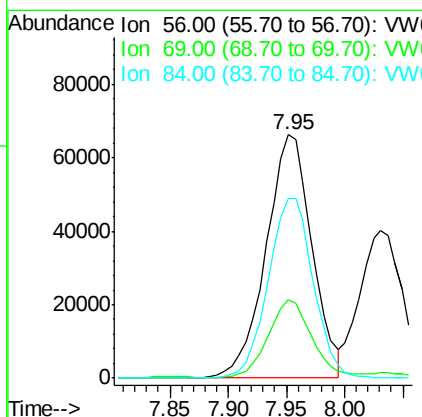
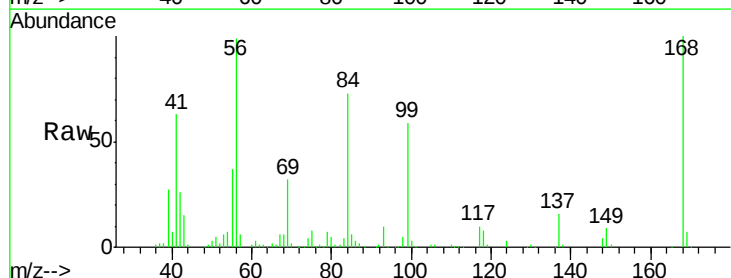
Tgt Ion: 56 Resp: 180133

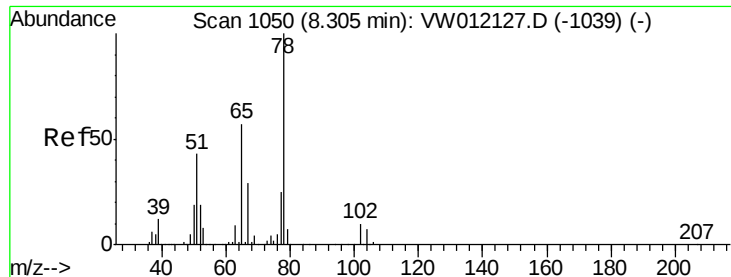
Ion Ratio Lower Upper

56 100

69 31.7 24.9 37.3

84 74.2 60.6 90.8





#33

1,2-Dichloroethane-d4

Concen: 51.804 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

Tot Ion: 65 Resp: 96390

Ion Ratio Lower Upper

65 100

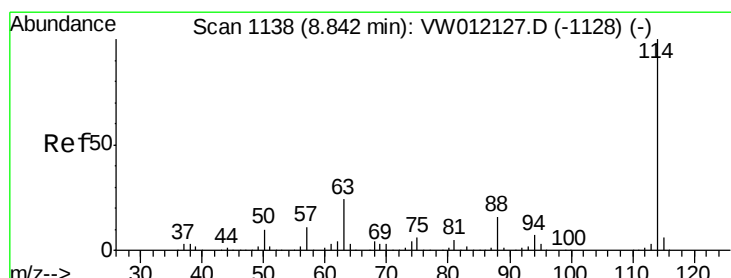
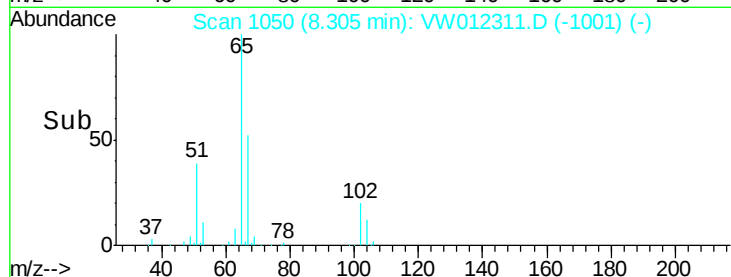
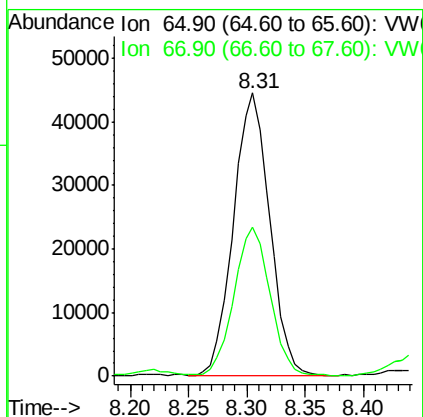
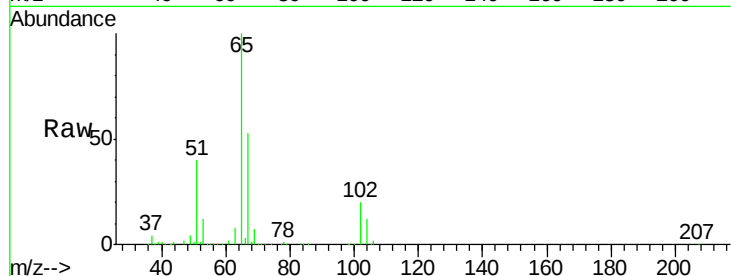
67 52.2 0.0 102.6

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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: VW012311.D

Acq: 29 Aug 2019 18:38

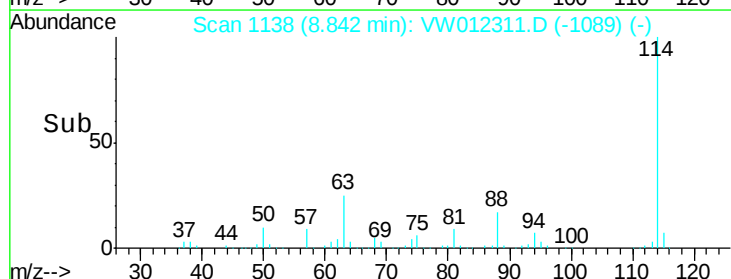
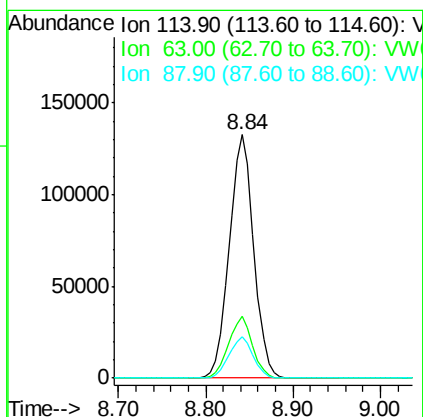
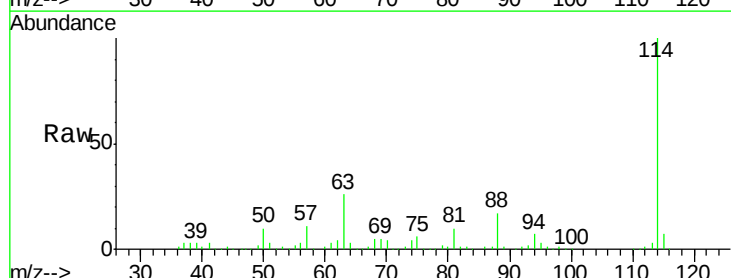
Tgt Ion: 114 Resp: 256372

Ion Ratio Lower Upper

114 100

63 25.5 0.0 48.6

88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.433 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

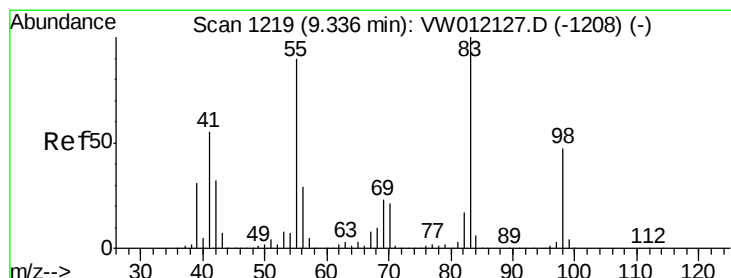
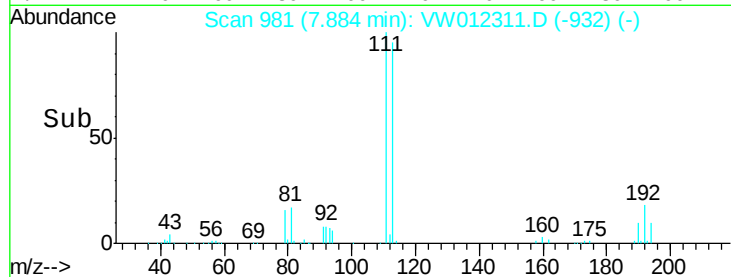
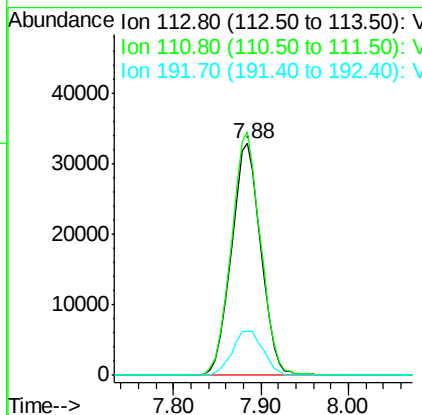
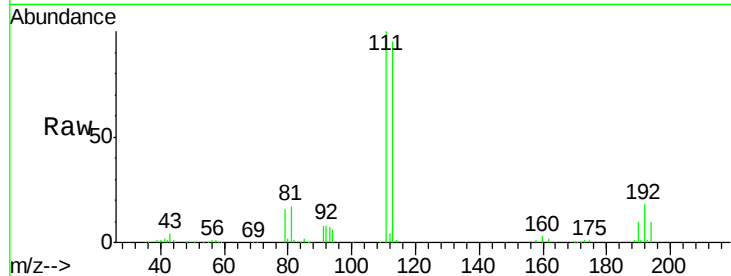
ClientSampleId :

BOTTOM-4RE

Tot Ion:	113	Resp:	77177
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.7	124.1
192	20.3	16.2	24.2

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#39

Methylcyclohexane

Concen: 439.001 ug/l

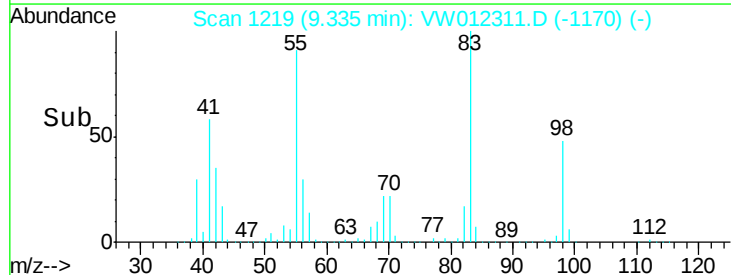
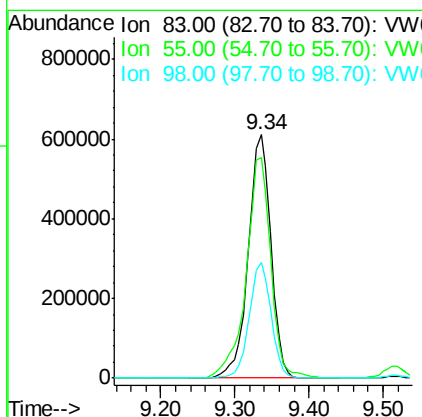
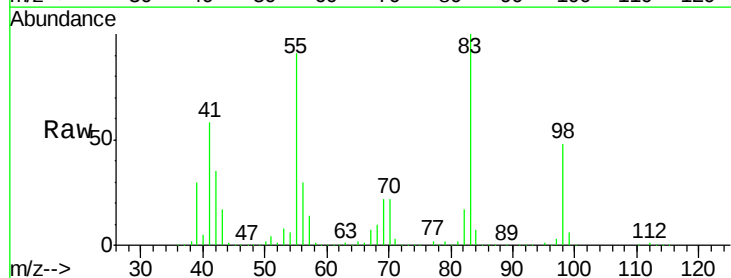
RT: 9.34 min Scan# 1219

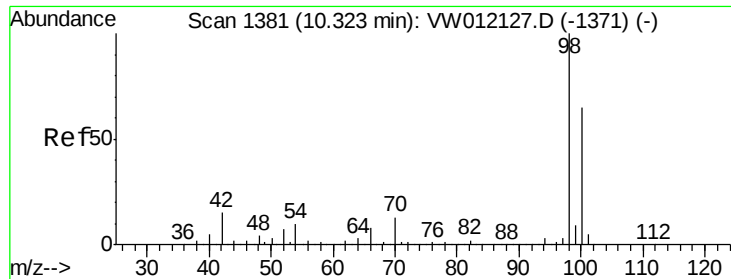
Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Tgt Ion:	83	Resp:	1306592
Ion	Ratio	Lower	Upper
83	100		
55	90.7	71.8	107.8
98	47.6	37.8	56.8





#50

Toluene-d8

Concen: 68.321 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

Tot Ion: 98 Resp: 423922

Ion Ratio Lower Upper

98 100

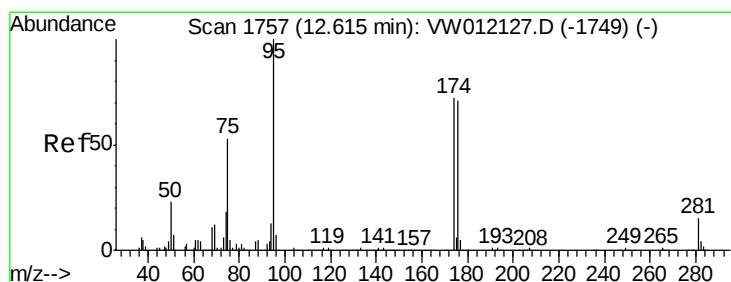
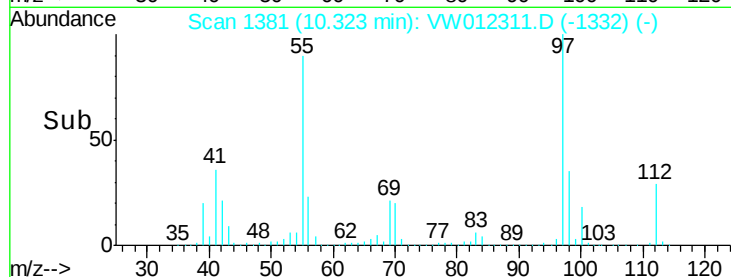
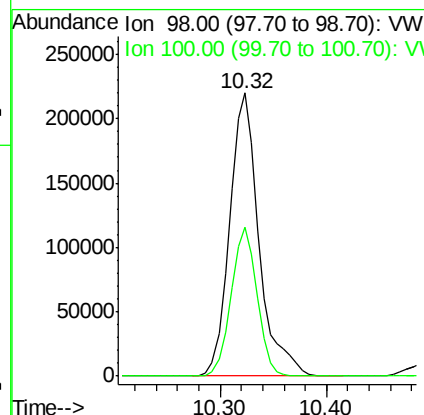
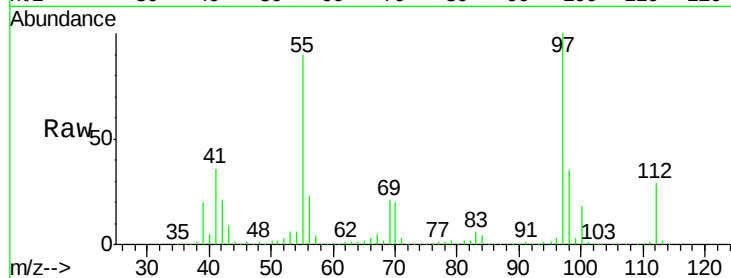
100 46.4 52.4 78.6#

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 74.668 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

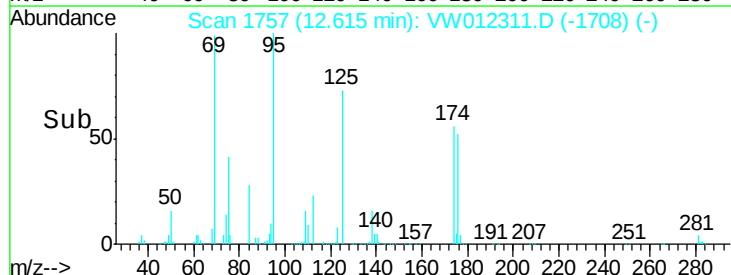
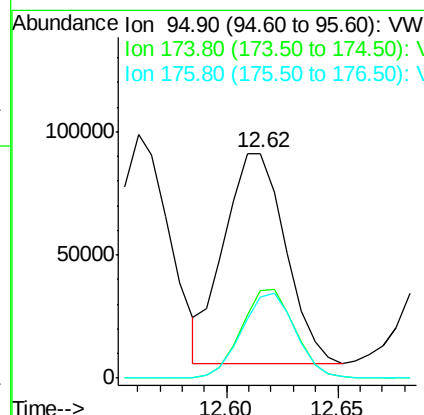
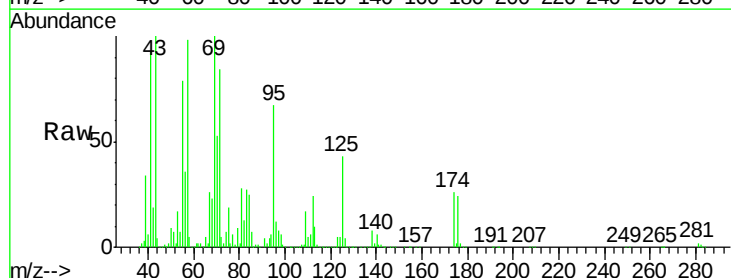
Tgt Ion: 95 Resp: 163316

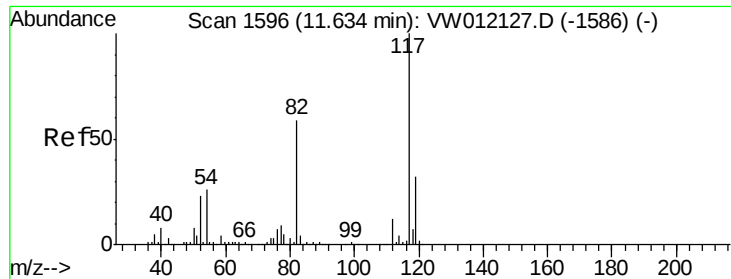
Ion Ratio Lower Upper

95 100

174 36.9 0.0 150.8

176 35.5 0.0 148.6





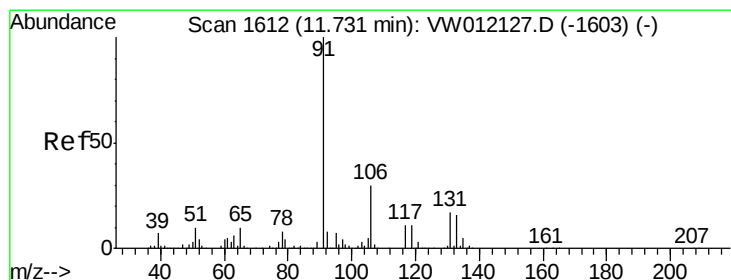
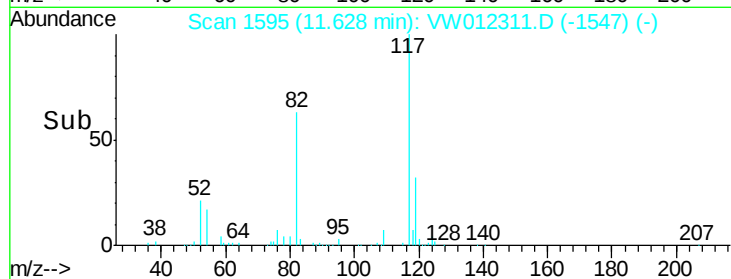
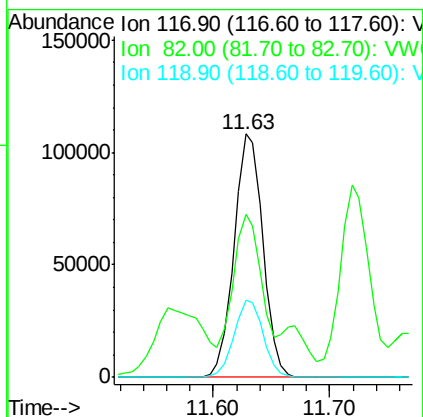
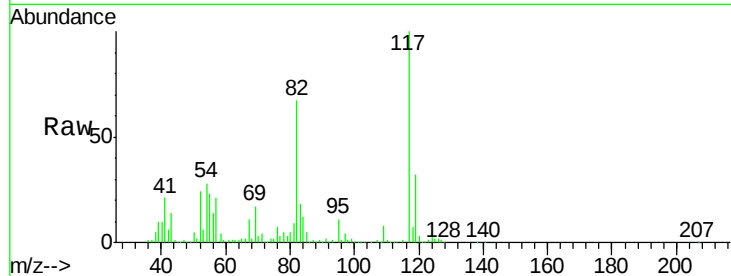
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

Tot Ion	Ratio	Resp	Lower	Upper
117	100	186701		
82	41.3	47.4	71.2#	
119	31.6	25.4	38.2	

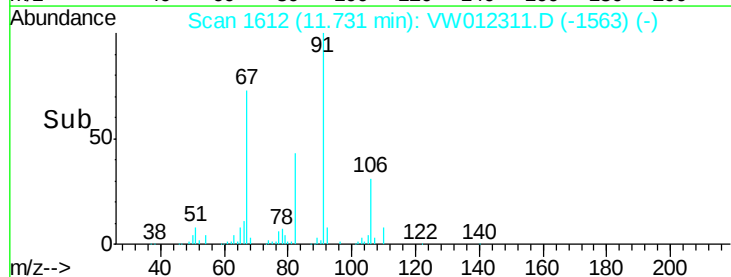
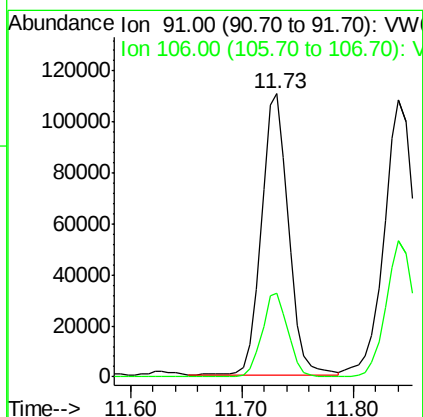
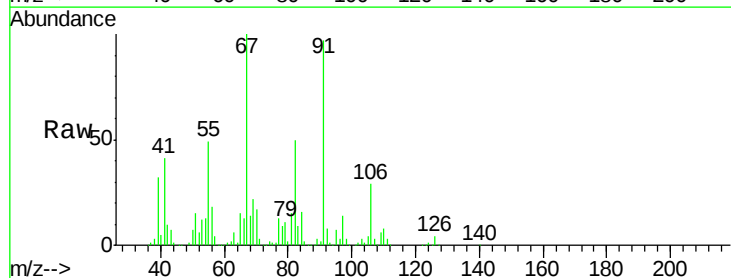
Manual Integrations
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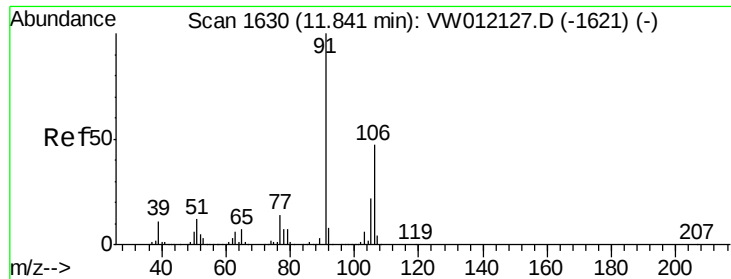
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#67
Ethyl Benzene
Concen: 26.258 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	185954		
106	29.8	24.3	36.5	





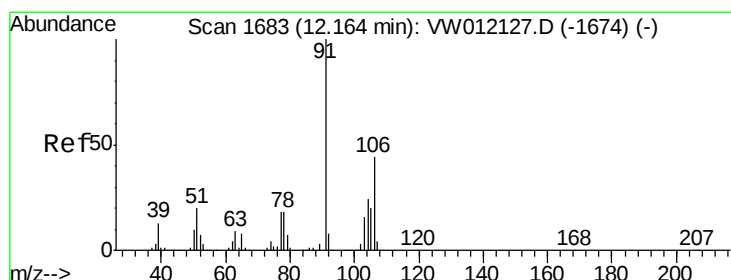
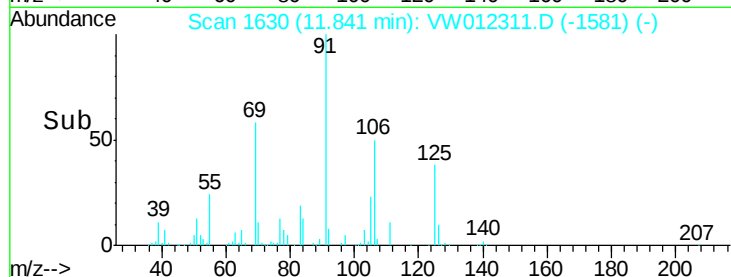
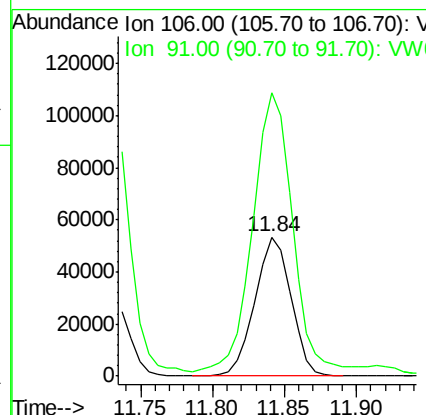
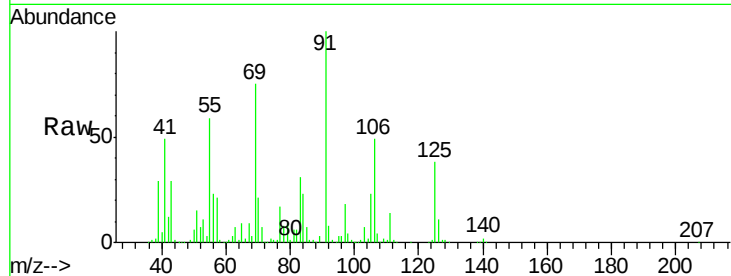
#68
m/p-Xylenes
Concen: 36.169 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

Tot Ion:106 Resp: 92264
Ion Ratio Lower Upper
106 100
91 220.7 169.5 254.3

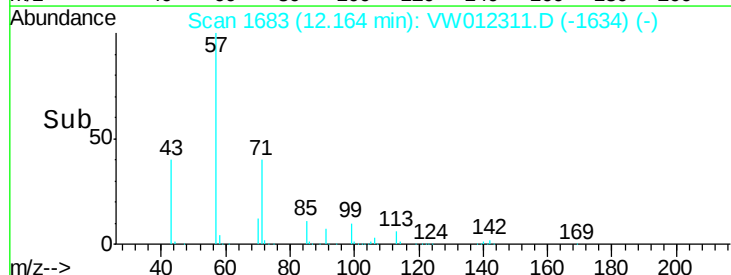
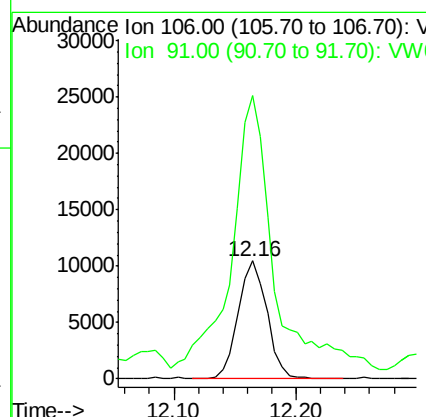
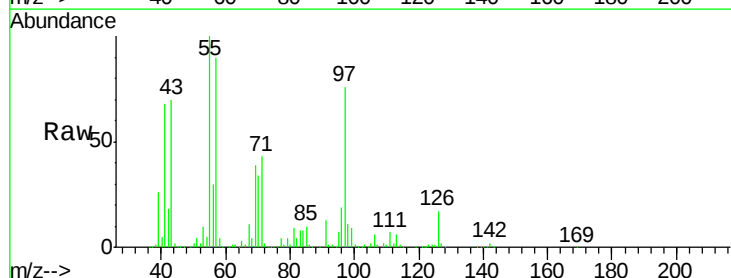
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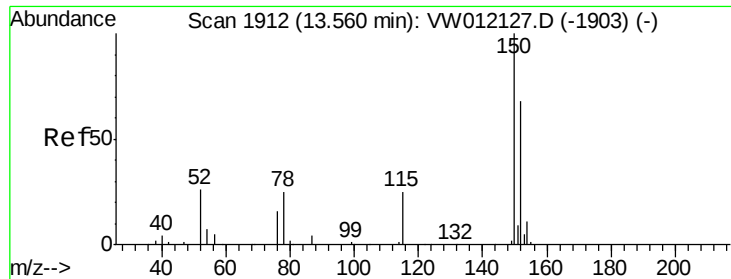
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#69
o-Xylene
Concen: 7.273 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion:106 Resp: 17171
Ion Ratio Lower Upper
106 100
91 333.3 111.6 334.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

Tot Ion:152 Resp: 98628

Ion Ratio Lower Upper

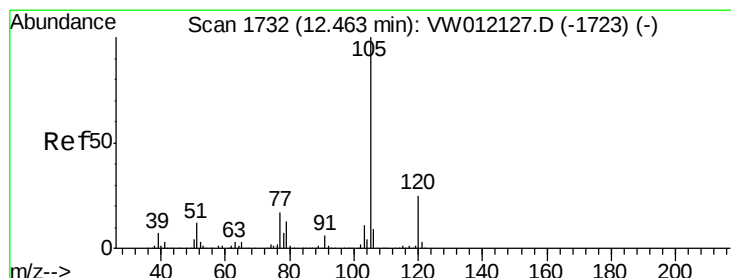
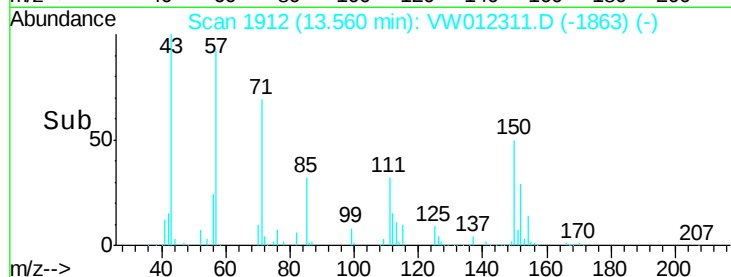
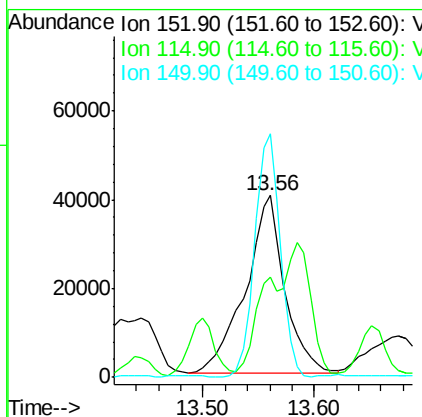
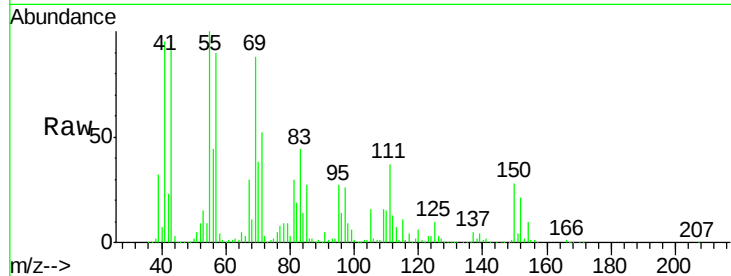
152 100

115 30.1 30.1 90.3#

150 88.4 0.0 345.8

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#73

Isopropylbenzene

Concen: 49.837 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012311.D

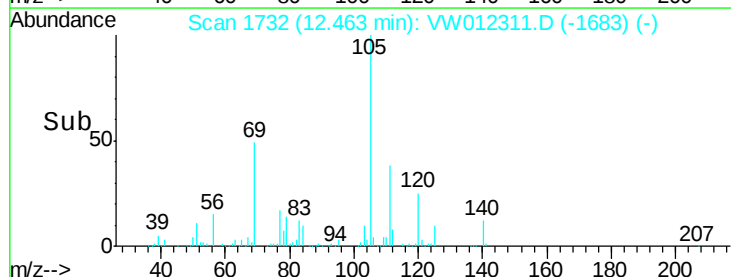
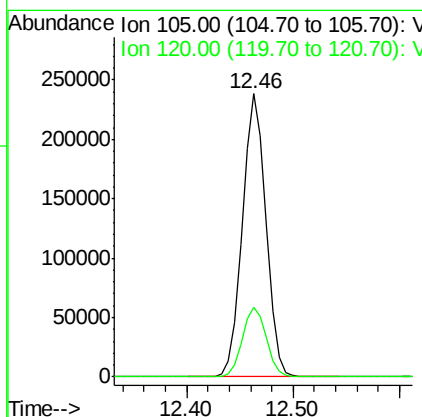
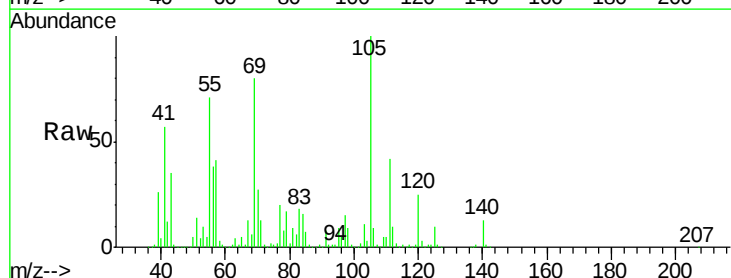
Acq: 29 Aug 2019 18:38

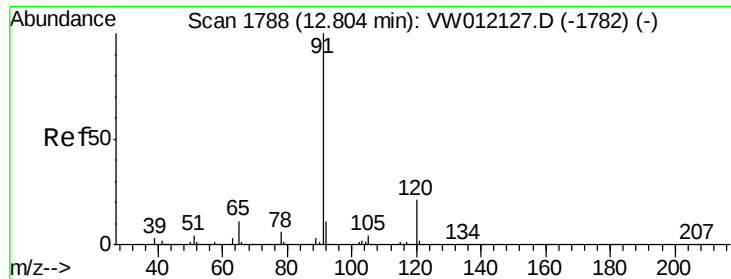
Tgt Ion:105 Resp: 368315

Ion Ratio Lower Upper

105 100

120 25.1 12.5 37.5





#78

n-propylbenzene

Concen: 59.941 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

Tot Ion: 91 Resp: 540791

Ion Ratio Lower Upper

91 100

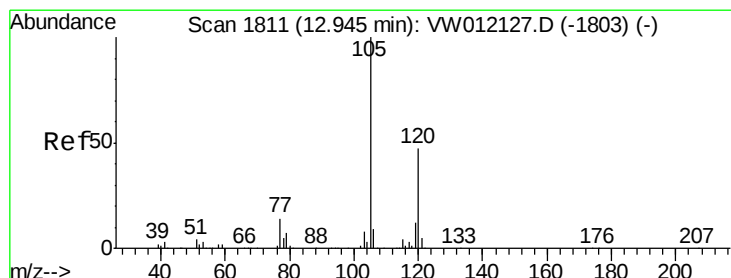
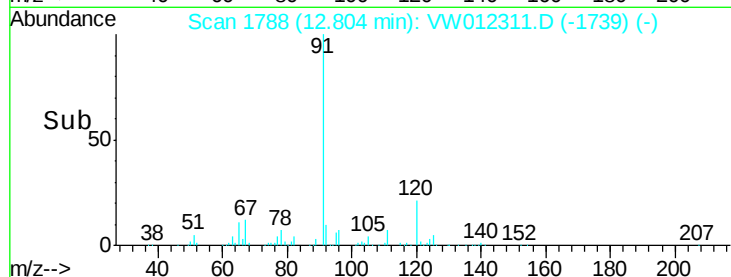
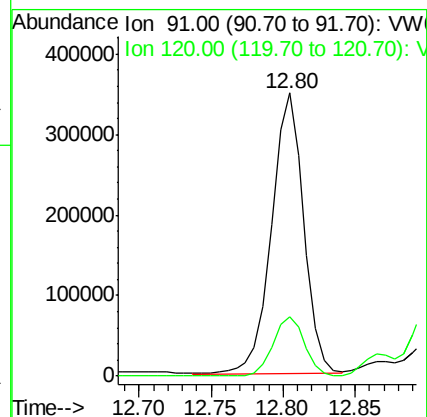
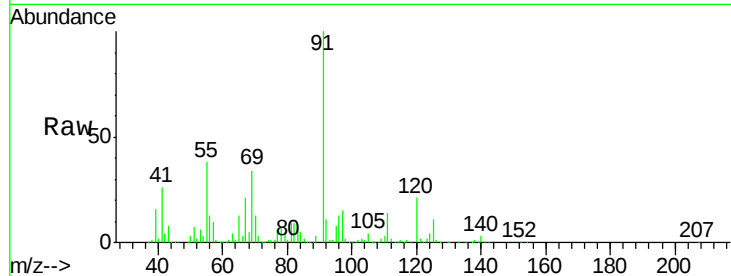
120 20.9 10.5 31.6

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#80

1,3,5-Trimethylbenzene

Concen: 35.435 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012311.D

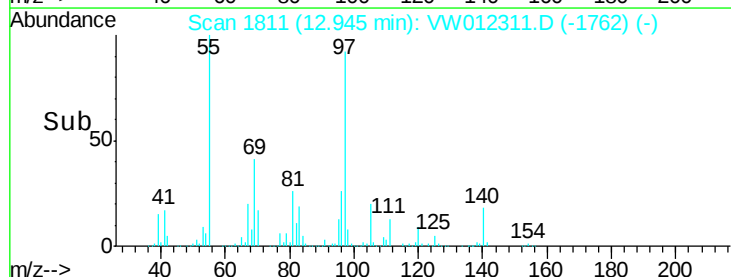
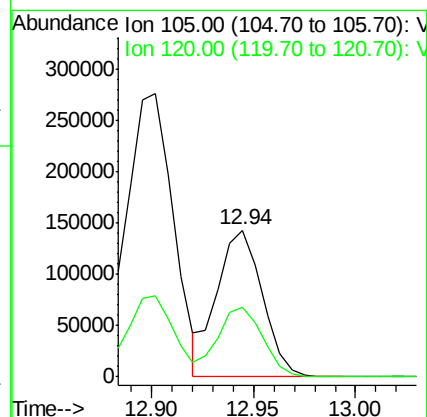
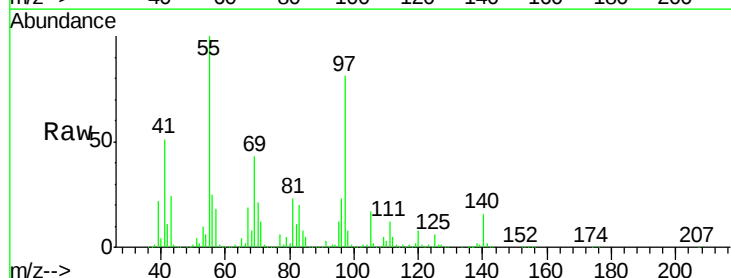
Acq: 29 Aug 2019 18:38

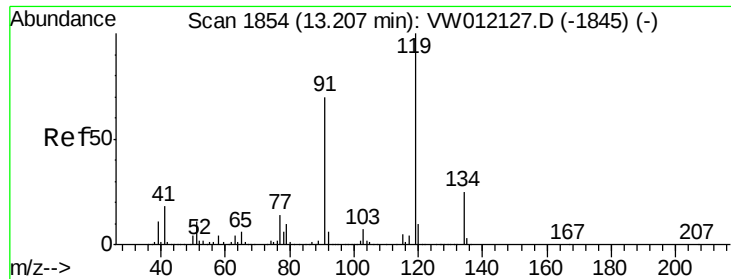
Tgt Ion: 105 Resp: 218821

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0





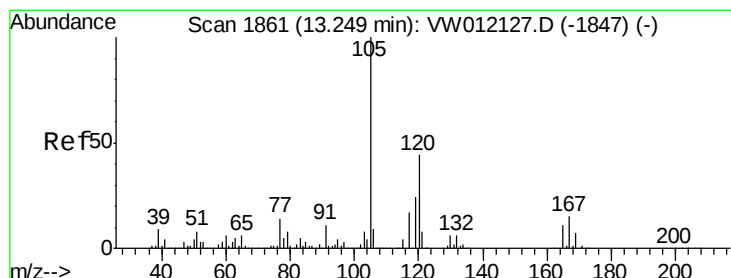
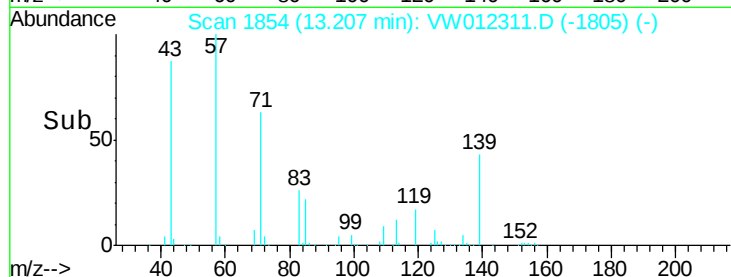
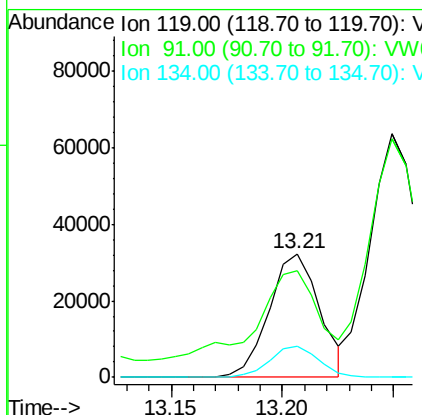
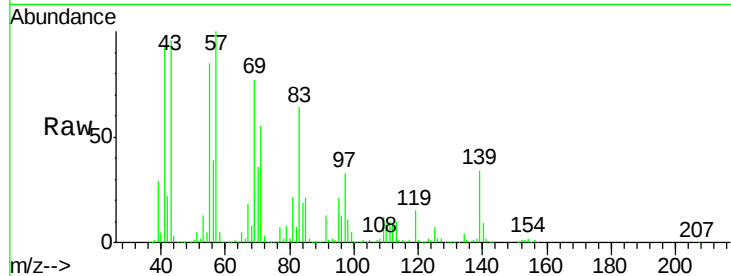
#83
tert-Butylbenzene
Concen: 9.672 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

Tot Ion	Ratio	Lower	Upper
119	100		
91	88.0	34.8	104.3
134	25.1	13.3	39.8

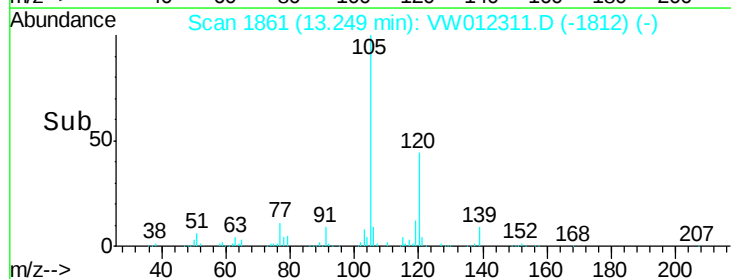
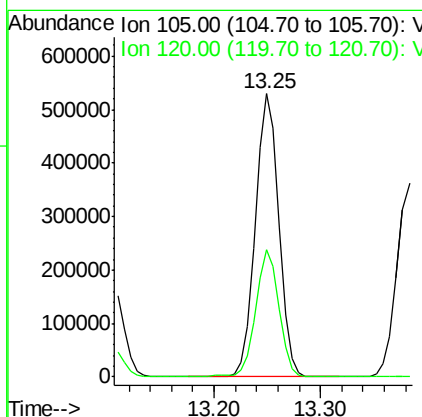
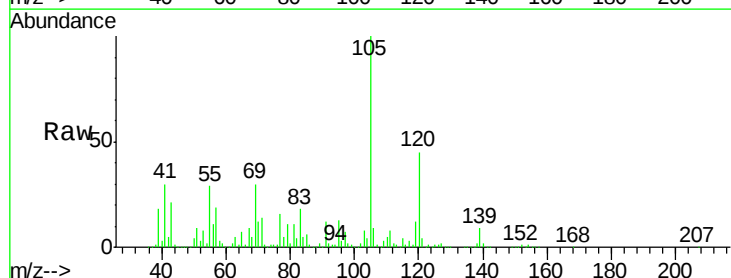
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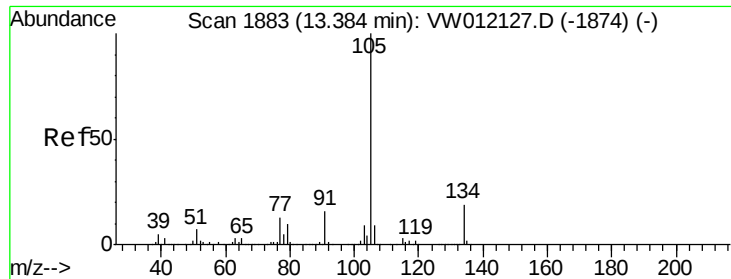
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#84
1,2,4-Trimethylbenzene
Concen: 131.383 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.9	65.7





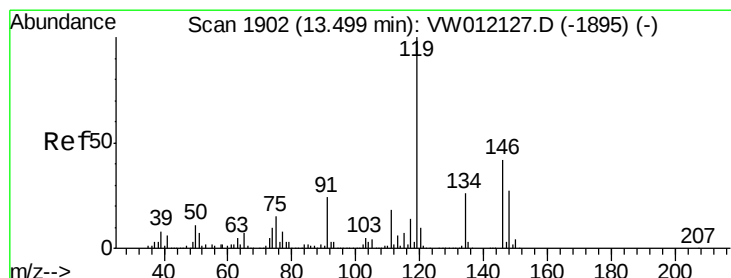
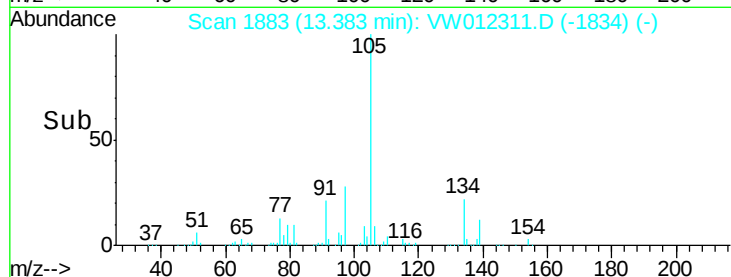
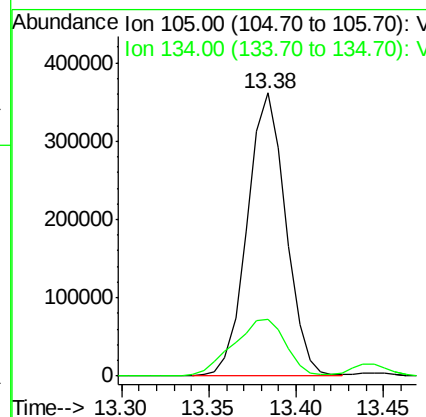
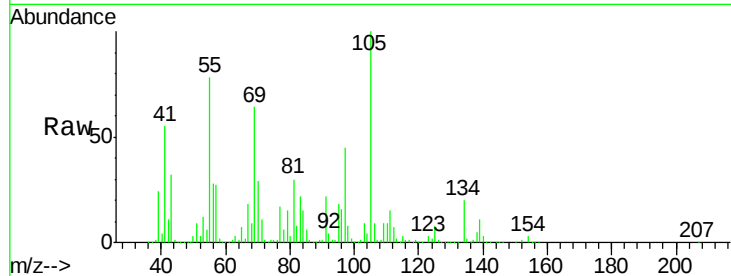
#85
 sec-Butylbenzene
 Concen: 73.478 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

Tot Ion	Ratio	Resp	Lower	Upper
105	100	550674		
134	27.6	9.8	29.4	

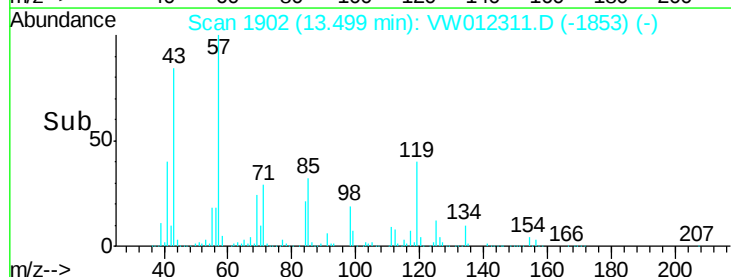
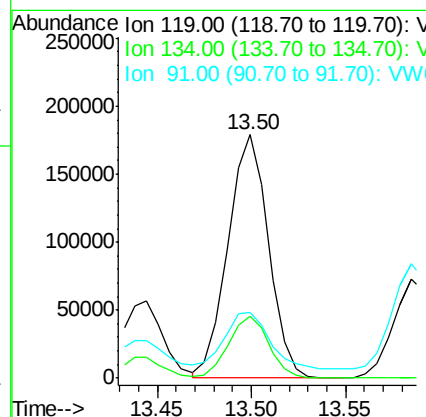
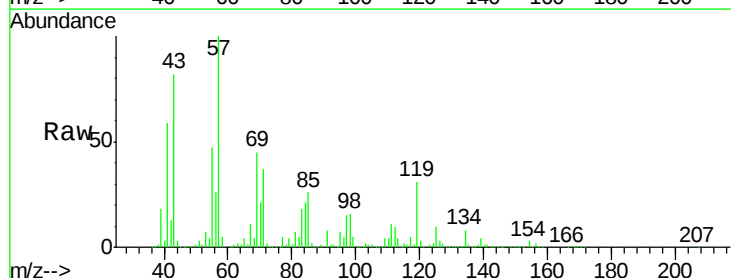
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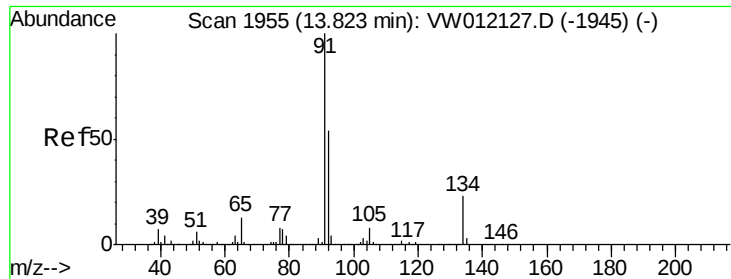
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#86
 p-Isopropyltoluene
 Concen: 39.759 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	266103		
134	25.3	12.8	38.3	
91	26.4	12.3	36.9	





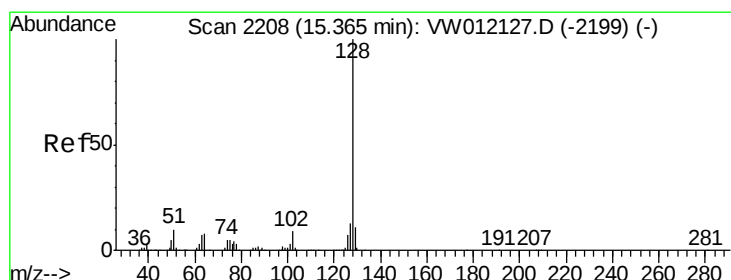
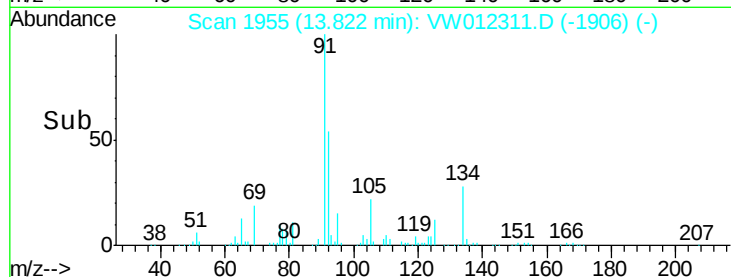
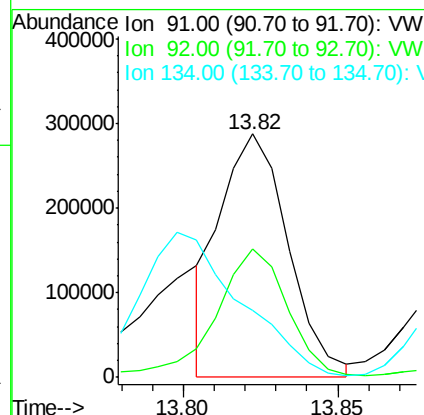
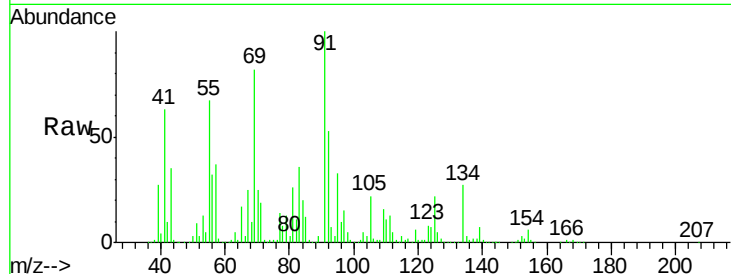
#89
n-Butylbenzene
Concen: 66.460 ug/l m
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.1	81.2
134	0.0	12.2	36.4

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#95
Naphthalene
Concen: 558.124 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.7	16.1
129	11.6	8.7	13.1

