

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008508.D
 Acq On : 04 Feb 2019 18:09
 Operator : SY/VA
 Sample : K1350-03
 Misc : 7.39G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-03-020419-B

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:43:13 AM

Quant Time: Feb 05 04:00:04 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	276526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	126115	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	7.88	113	128169	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.32	98	498086	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.62	95	158730	40.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.56%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	42951	70.405	ug/l	98
20) Methylene Chloride	4.90	84	10466	3.722	ug/l	88
52) Toluene	10.38	92	11484	1.537	ug/l	96
68) m/p-Xylenes	11.83	106	17121	3.306	ug/l	98
69) o-Xylene	12.17	106	12118	2.462	ug/l	100
78) n-propylbenzene	12.80	91	30787	2.370	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	36359	4.021	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	178730	19.448	ug/l	100
85) sec-Butylbenzene	13.39	105	19645	1.710	ug/l	86
86) p-Isopropyltoluene	13.50	119	13720	1.363	ug/l	97
89) n-Butylbenzene	13.83	91	38589m	3.905	ug/l	
95) Naphthalene	15.37	128	63227	11.953	ug/l #	94

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

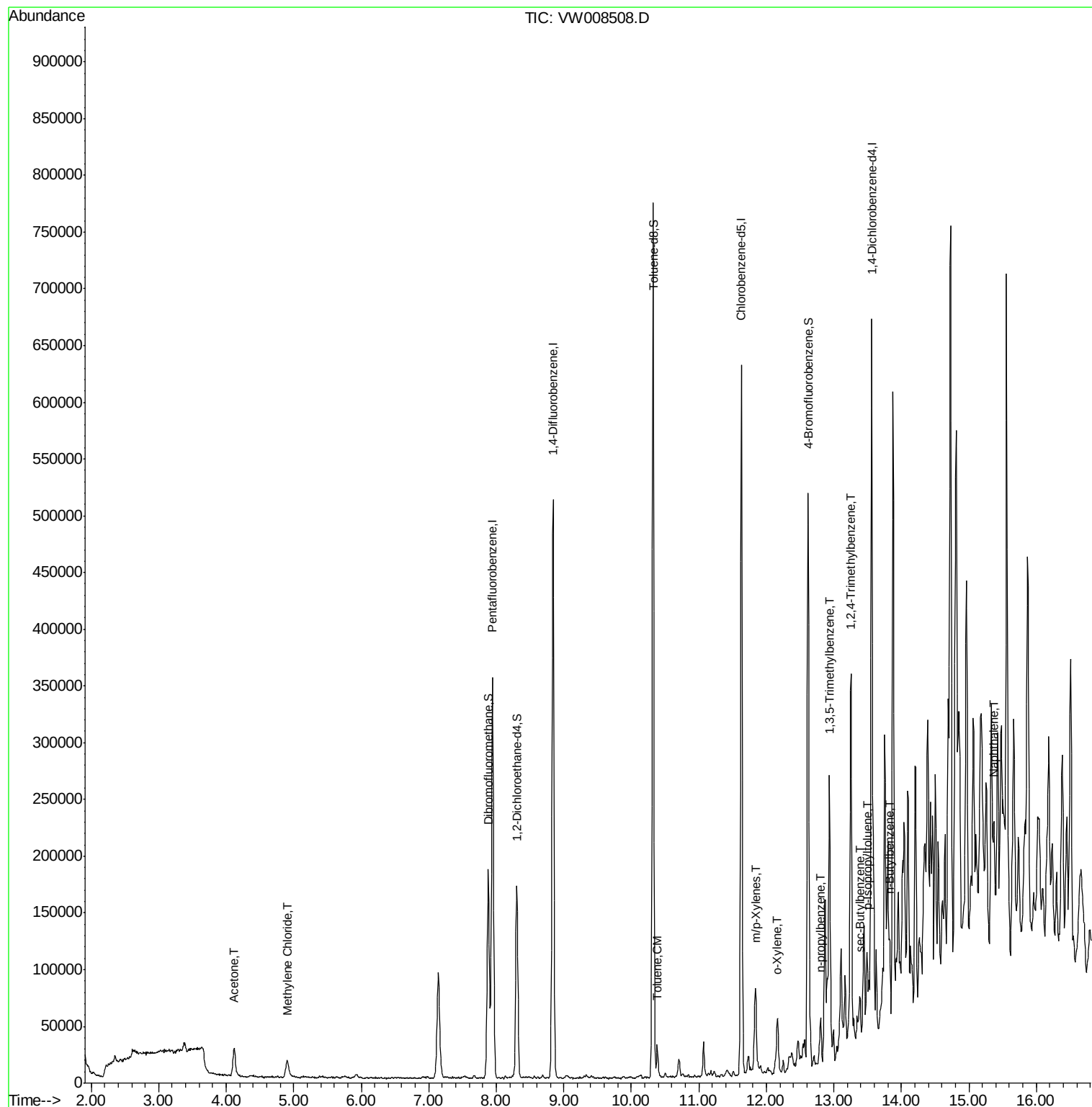
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008508.D
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Operator : SY/VA
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Misc : 7.39G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

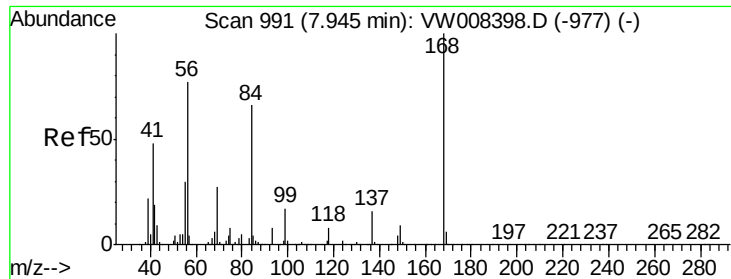
Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-B

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Quant Time: Feb 05 04:00:04 2019
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: VW008508.D

Acq: 04 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampleId :

EO-03-020419-B

Tot Ion:168 Resp: 276526

Ion Ratio Lower Upper

168 100

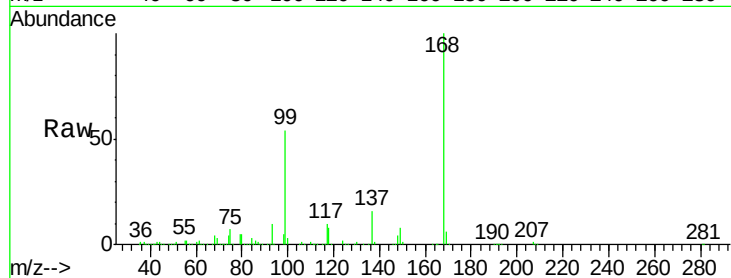
99 54.2 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

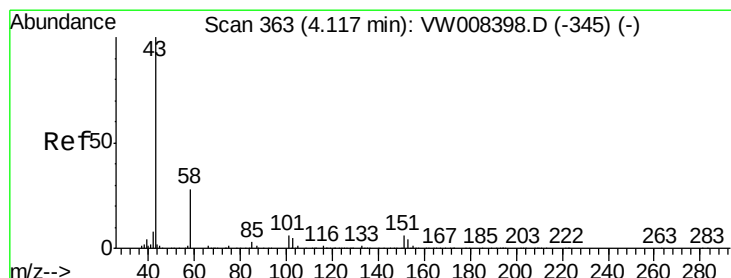
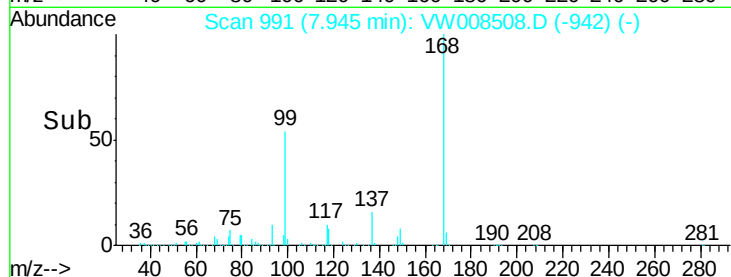
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 70.405 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008508.D

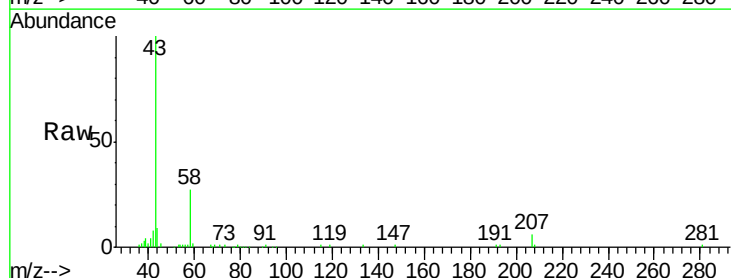
Acq: 04 Feb 2019 18:09

Tgt Ion: 43 Resp: 42951

Ion Ratio Lower Upper

43 100

58 27.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

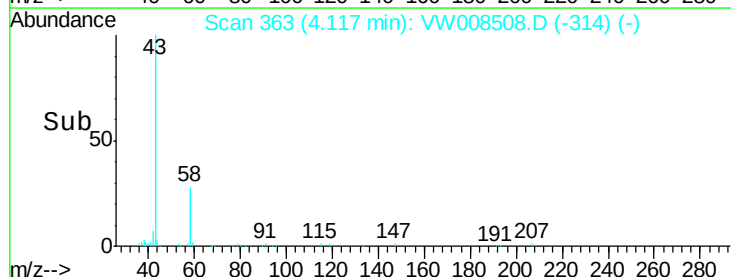
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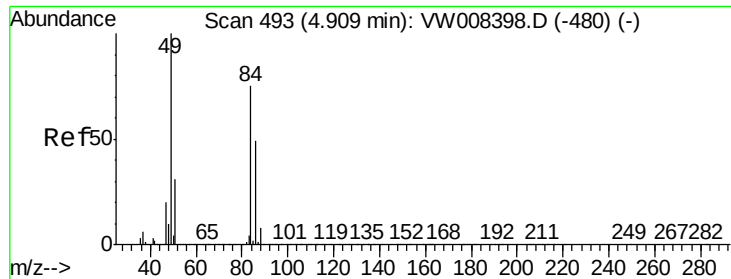
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5000

0

Time--> 4.00 4.10 4.20





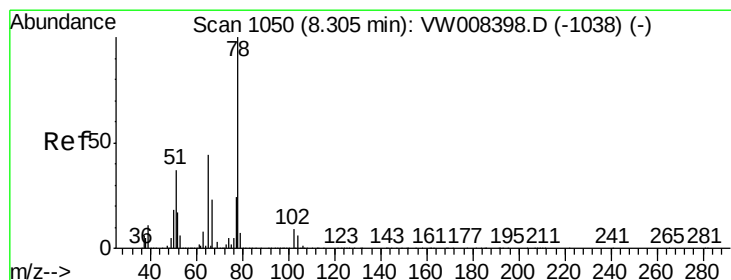
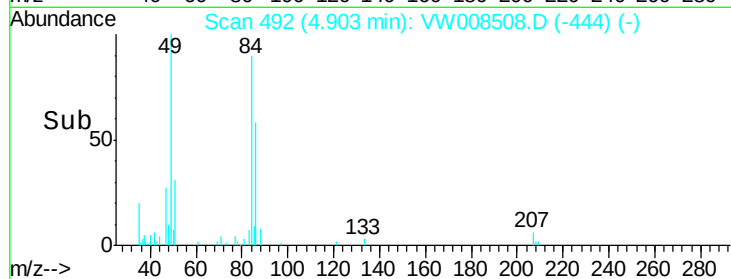
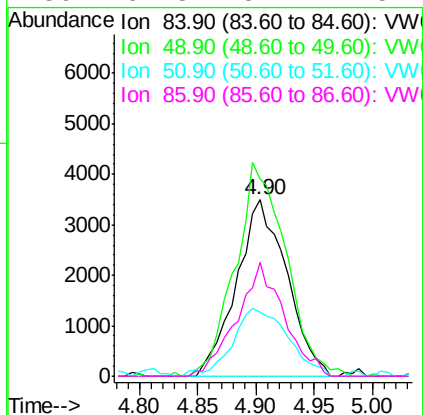
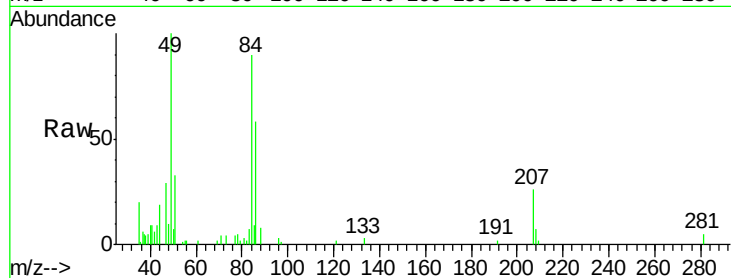
#20
Methylene Chloride
Concen: 3.722 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-B

Tot Ion:	84	Resp:	10466
Ion Ratio	Lower	Upper	
84	100		
49	111.4	106.8	160.2
51	36.2	32.9	49.3
86	64.8	52.2	78.2

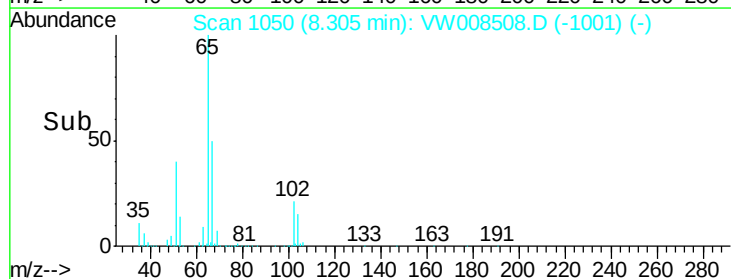
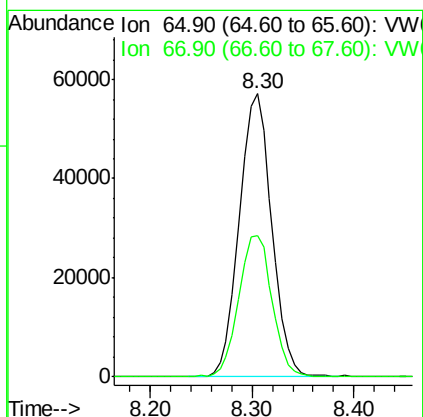
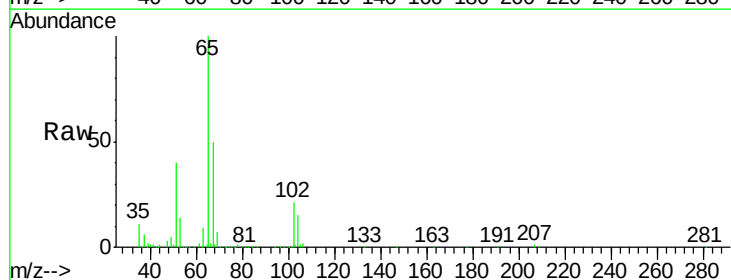
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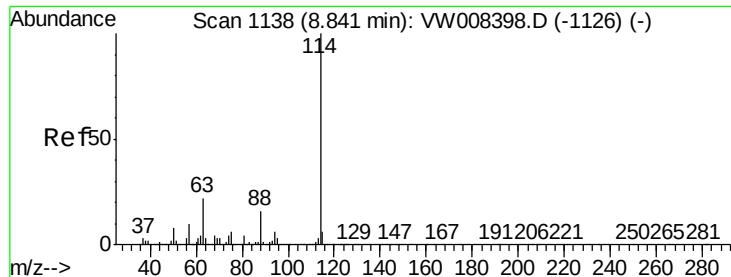
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#33
1,2-Dichloroethane-d4
Concen: 46.424 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Tgt Ion:	65	Resp:	126115
Ion Ratio	Lower	Upper	
65	100		
67	51.6	0.0	104.0





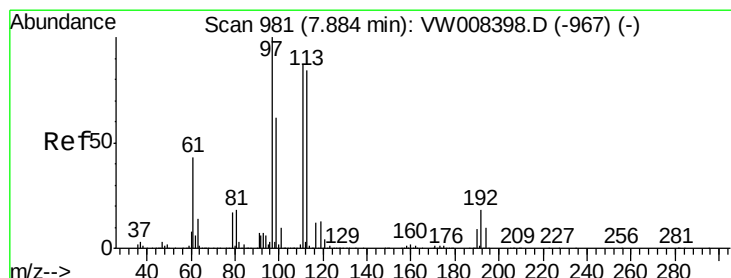
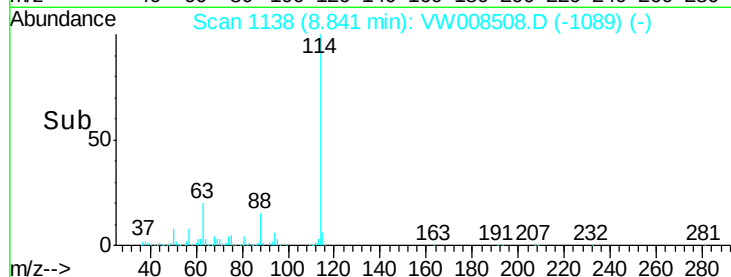
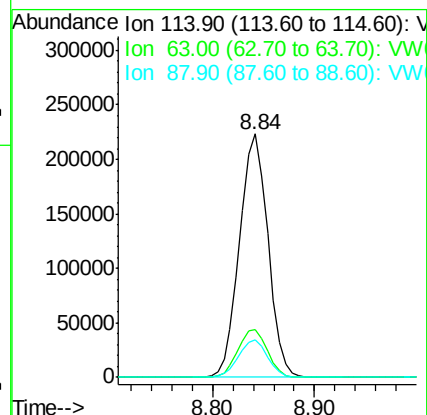
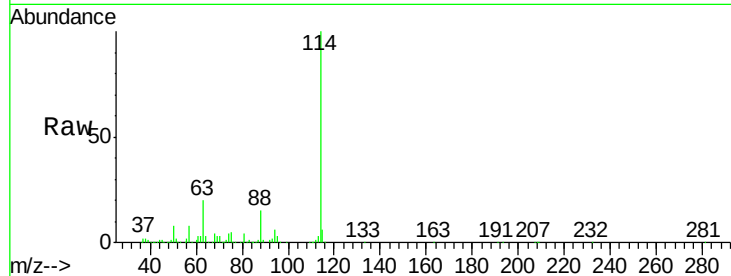
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008508.D
 Acq: 04 Feb 2019 18:09

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-03-020419-B

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.7	0.0	43.6
88	15.2	0.0	31.8

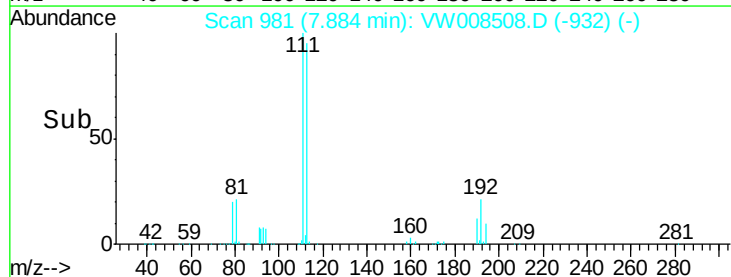
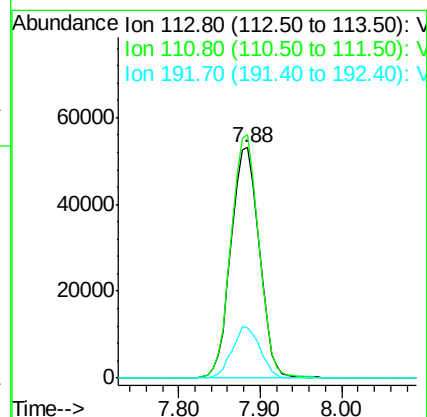
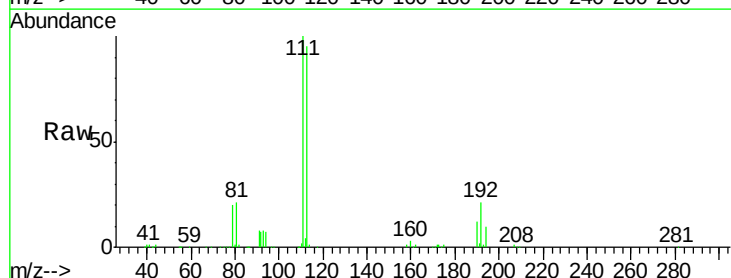
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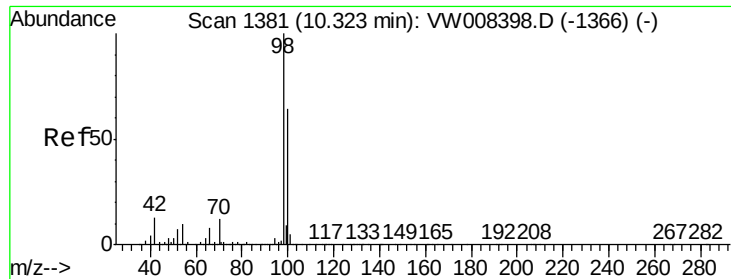
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 2/5/2019 10:43:13 AM



#35
 Dibromofluoromethane
 Concen: 50.757 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008508.D
 Acq: 04 Feb 2019 18:09

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.3	81.0	121.4
192	21.8	16.8	25.2





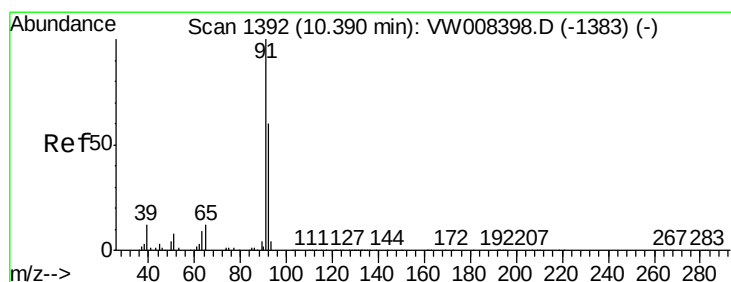
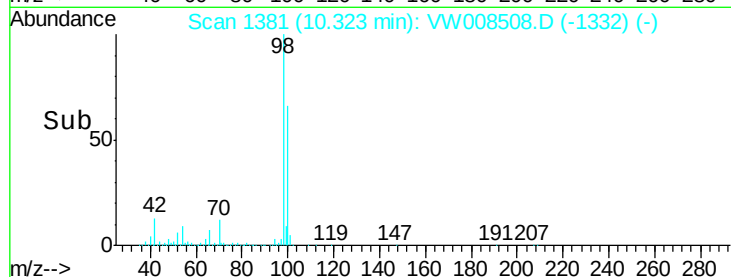
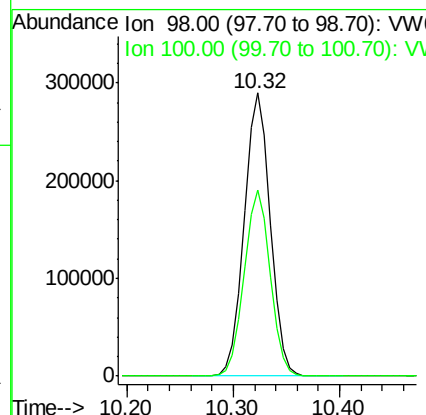
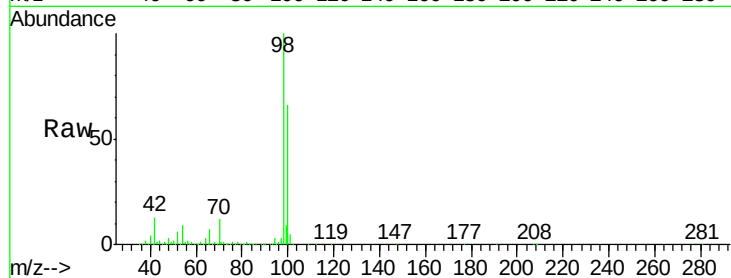
#50
Toluene-d8
Concen: 49.189 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-B

Tot Ion	98	Resp	498086
Ion Ratio	100	Lower	Upper
98	100	52.6	78.8

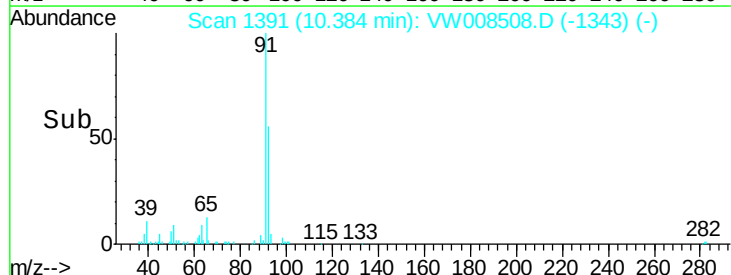
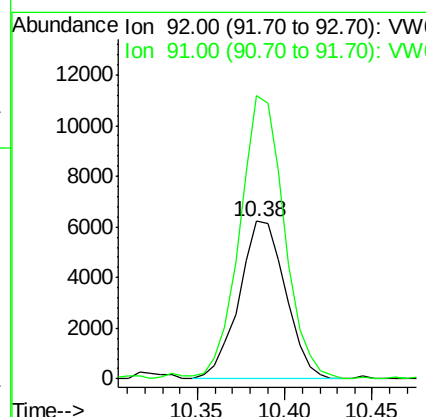
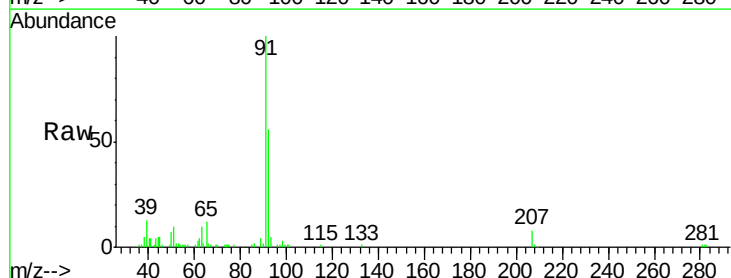
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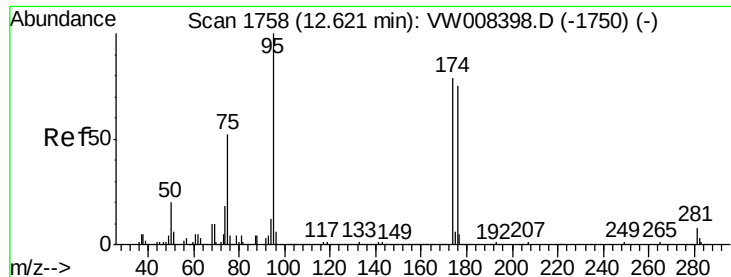
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2/5/2019 10:43:13 AM



#52
Toluene
Concen: 1.537 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Tgt Ion	92	Resp	11484
Ion Ratio	100	Lower	Upper
92	100	135.5	203.3





#62

4-Bromofluorobenzene

Concen: 40.781 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008508.D

Acq: 04 Feb 2019 18:09

Instrument :

MSVOA_W

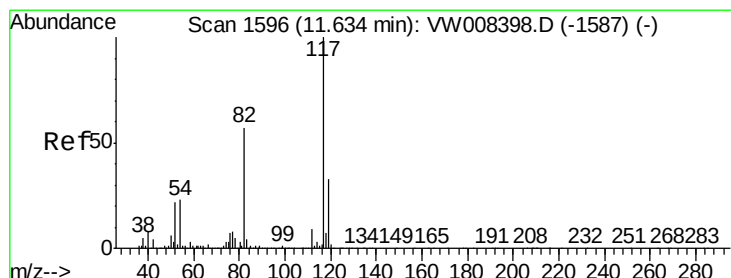
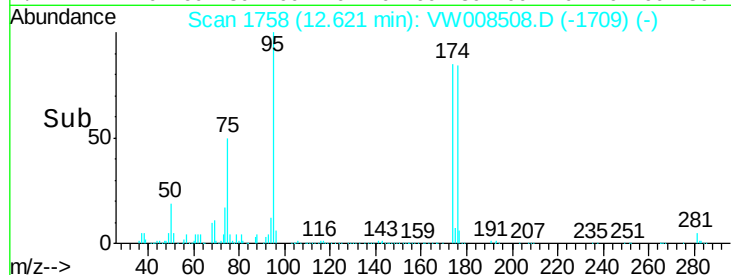
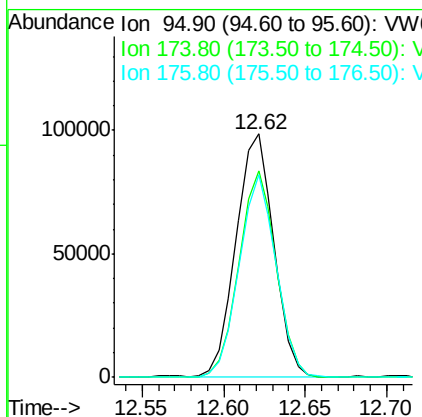
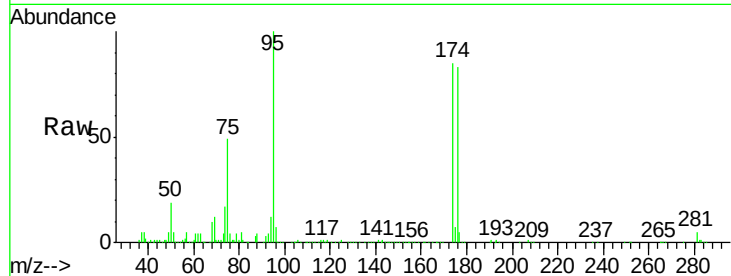
ClientSampleId :

EO-03-020419-B

Tot Ion:	95	Resp:	158730
Ion Ratio	Lower	Upper	
95	100		
174	83.7	0.0	157.6
176	81.6	0.0	151.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

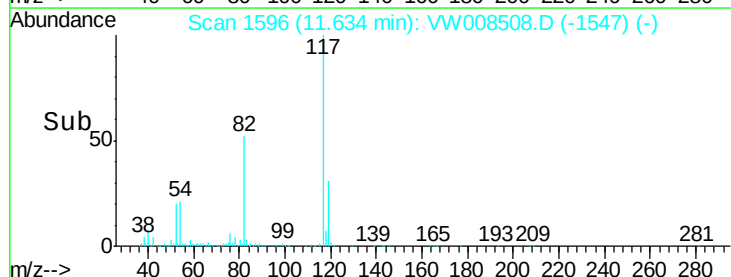
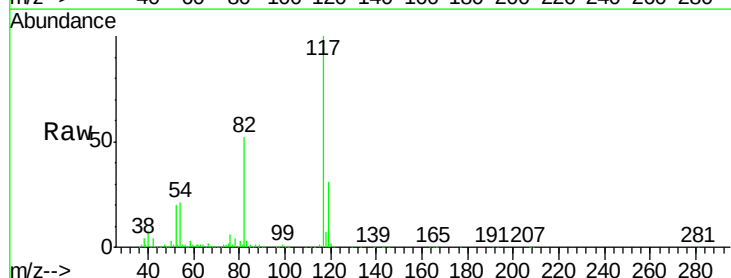
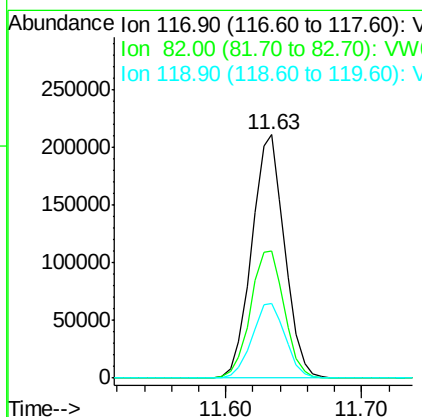
RT: 11.63 min Scan# 1596

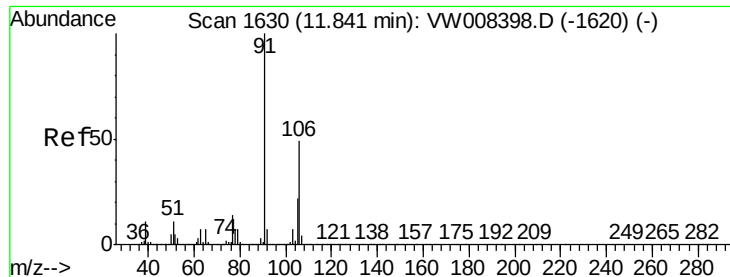
Delta R.T. 0.00 min

Lab File: VW008508.D

Acq: 04 Feb 2019 18:09

Tgt Ion:	117	Resp:	355763
Ion Ratio	Lower	Upper	
117	100		
82	51.9	45.4	68.0
119	30.9	26.2	39.4





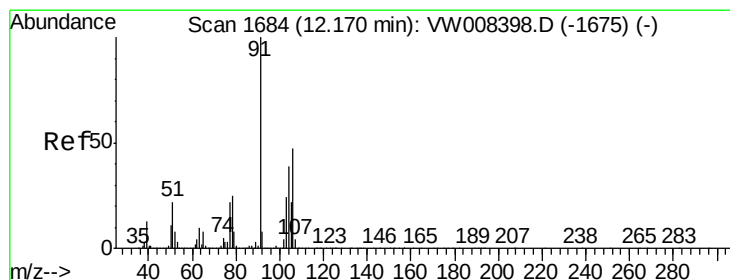
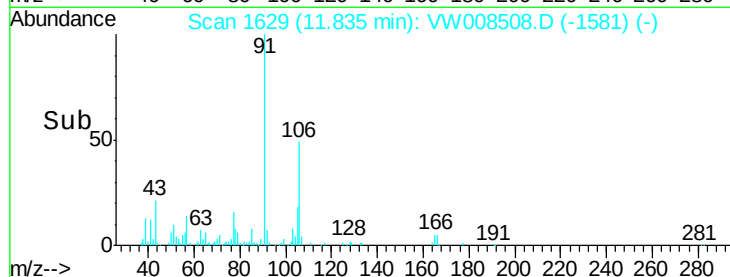
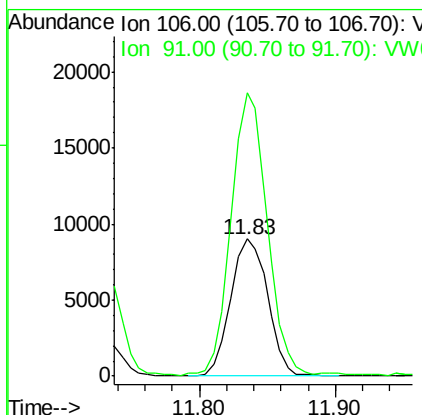
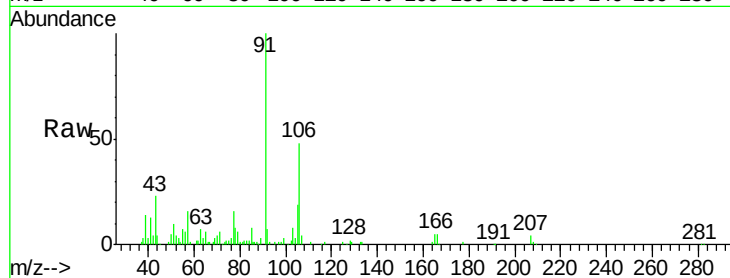
#68
m/p-Xylenes
Concen: 3.306 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		17121		
91	199.8	162.9	244.3		

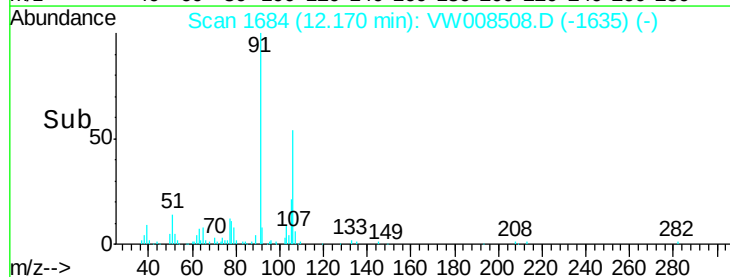
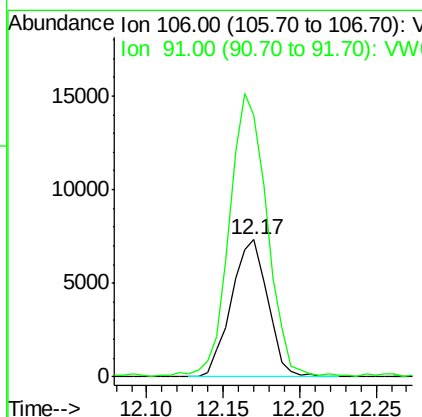
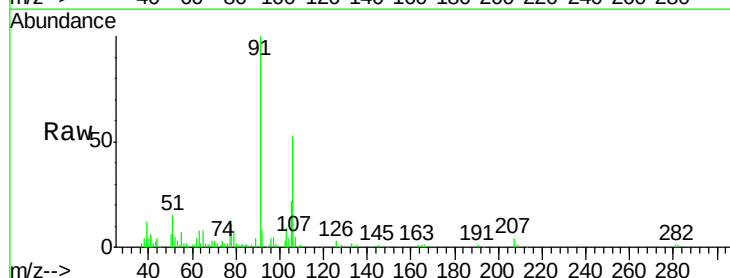
Manual Integrations
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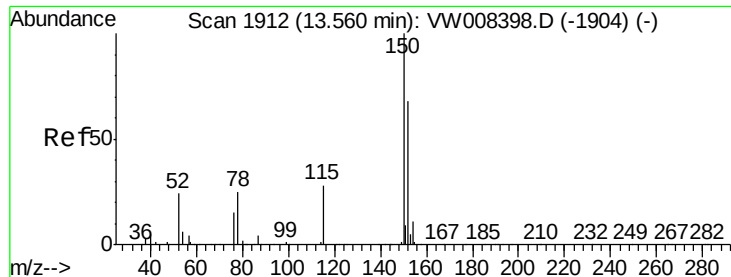
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2/5/2019 10:43:13 AM



#69
o-Xylene
Concen: 2.462 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		12118		
91	214.3	107.5	322.4		





#72

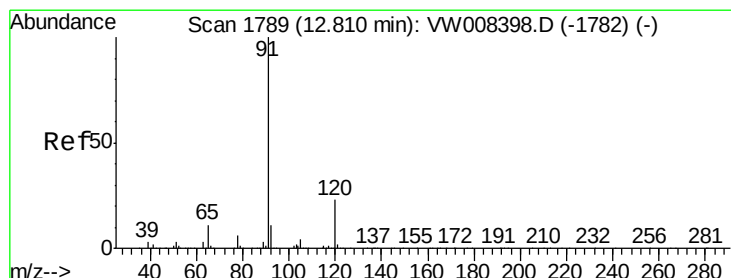
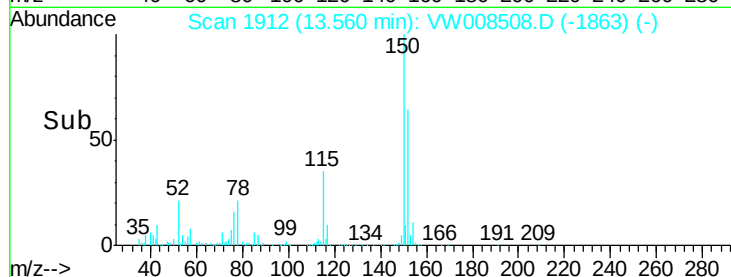
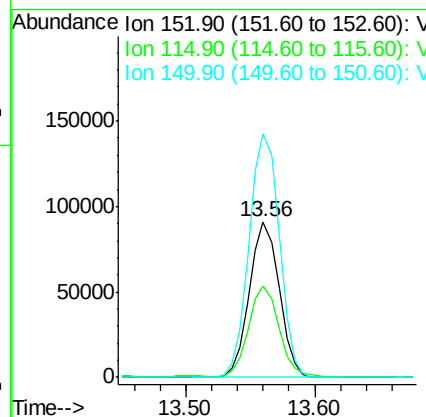
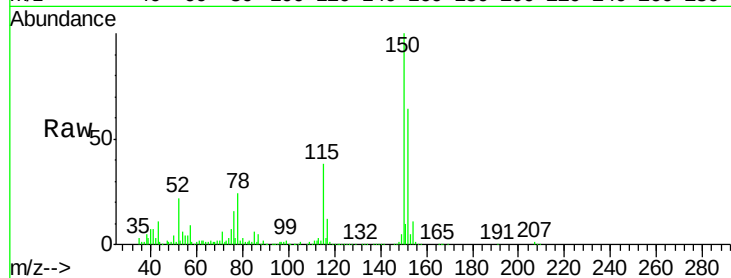
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampled :
EO-03-020419-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.9	89.7
150	158.7	0.0	351.4

Manual Integrations
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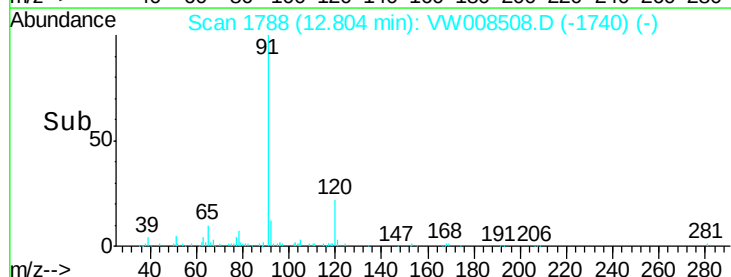
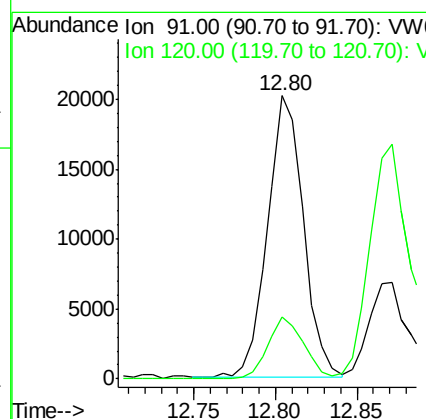
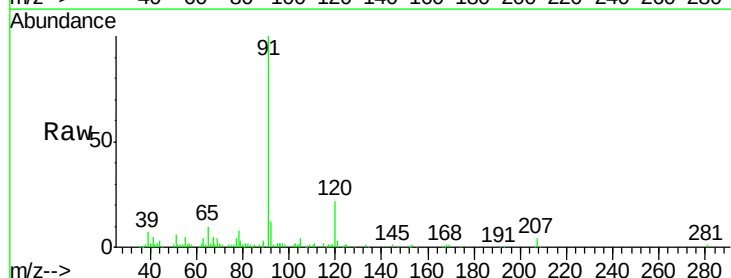
MMDadoda
2/5/2019 10:43:13 AM

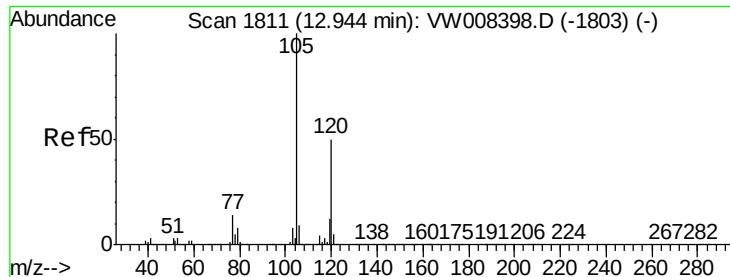


#78

n-propylbenzene
Concen: 2.370 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.4	34.1





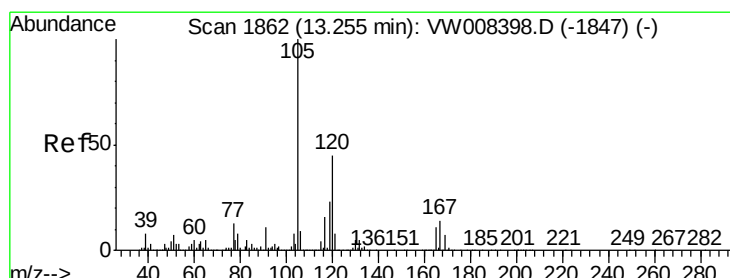
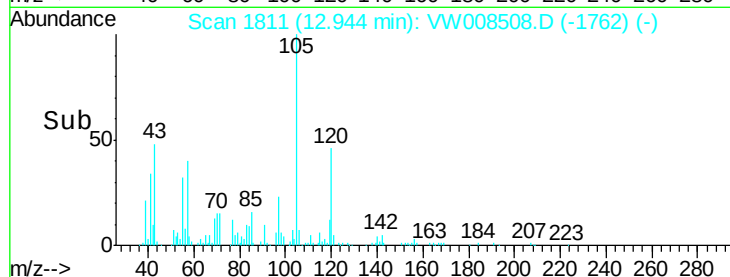
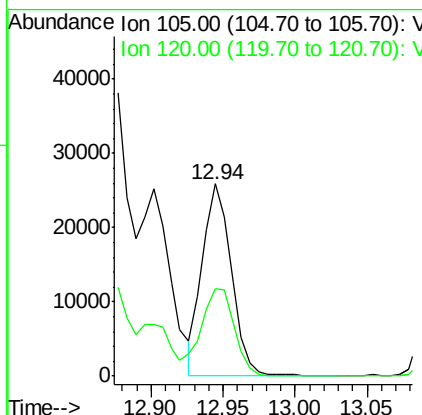
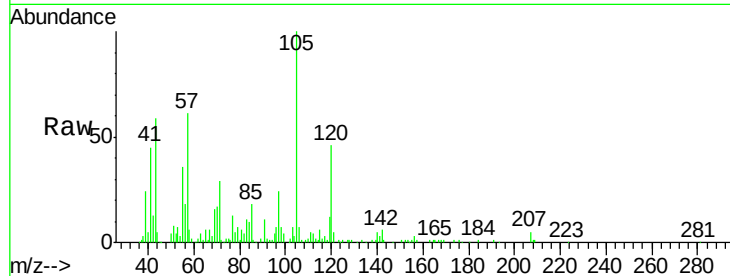
#80
 1,3,5-Trimethylbenzene
 Concen: 4.021 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008508.D
 Acq: 04 Feb 2019 18:09

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-03-020419-B

Tot Ion	Ratio	Lower	Upper
105	100		
120	52.6	24.6	73.8

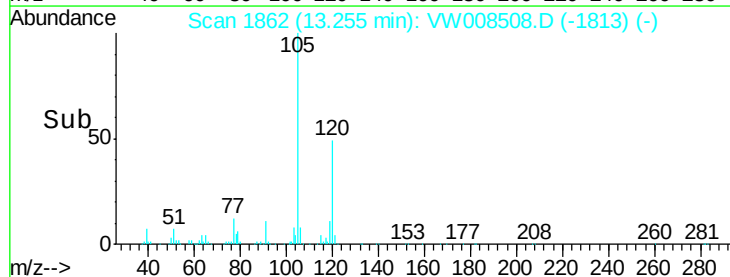
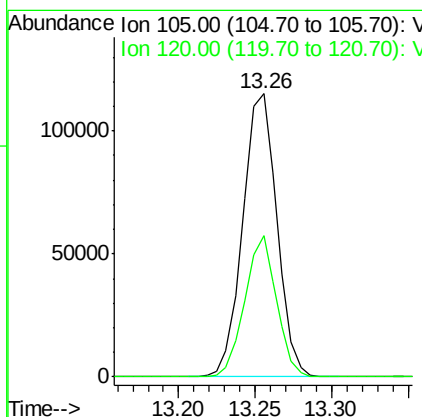
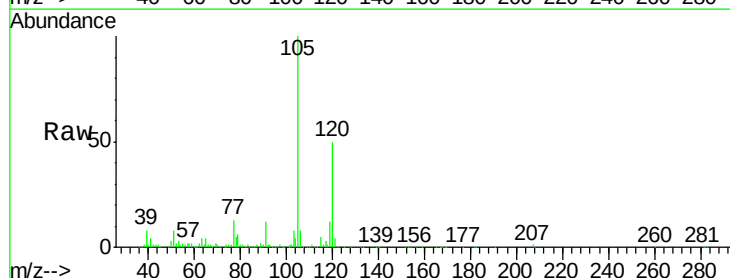
Manual Integrations
 APPROVED

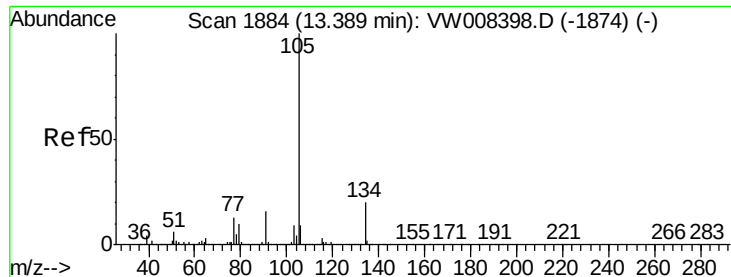
MMDadoda
 2/5/2019 10:43:13 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.448 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008508.D
 Acq: 04 Feb 2019 18:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 1.710 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008508.D

Acq: 04 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampleId :

EO-03-020419-B

Tot Ion:105 Resp: 19645

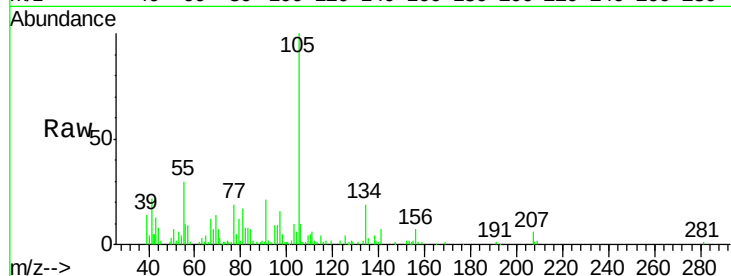
Ion Ratio Lower Upper

105 100

134 26.8 10.2 30.6

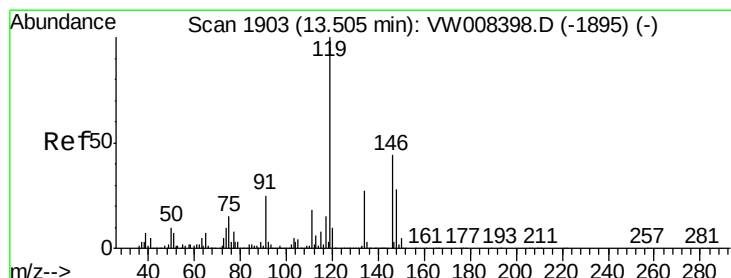
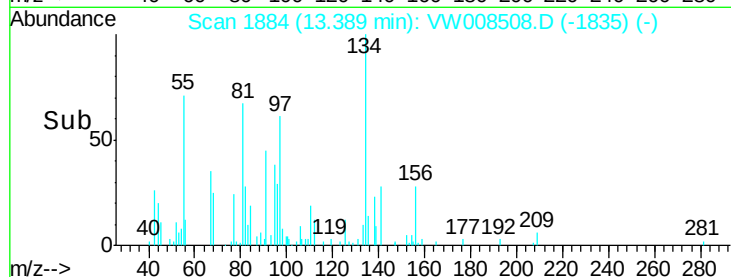
Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:43:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.363 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008508.D

Acq: 04 Feb 2019 18:09

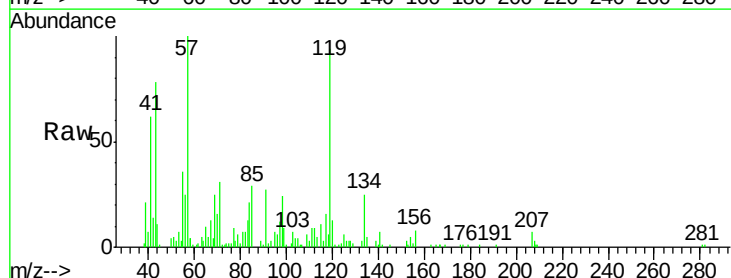
Tgt Ion:119 Resp: 13720

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

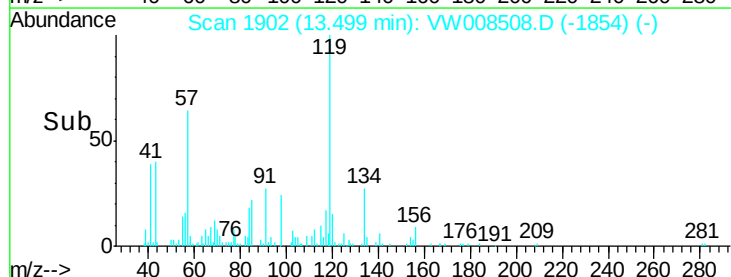
91 27.5 12.6 37.6



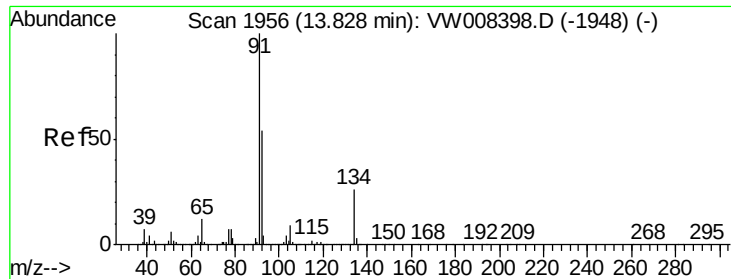
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



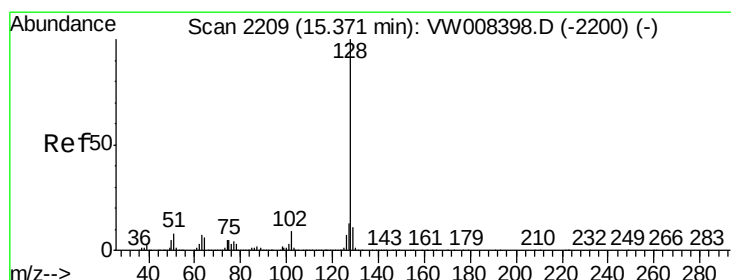
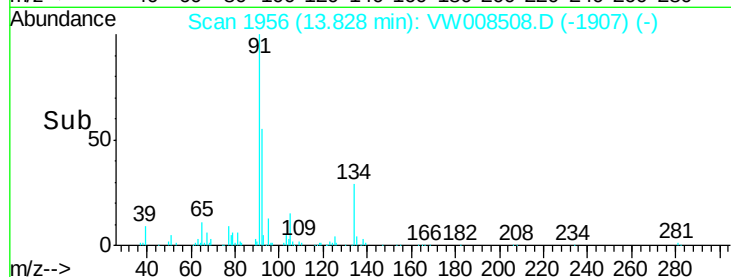
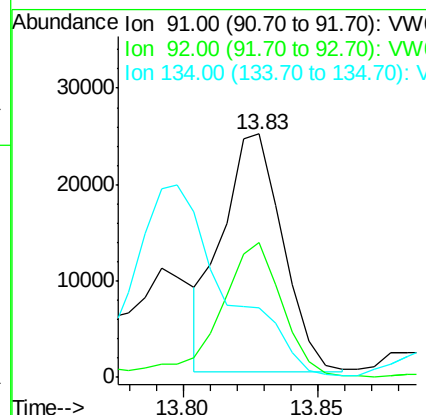
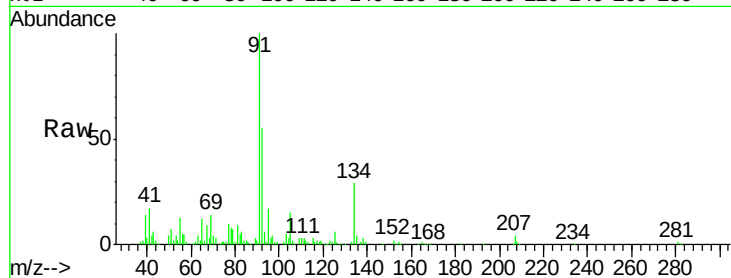
#89
n-Butylbenzene
Concen: 3.905 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-B

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.6	27.4	82.2
134	0.0	13.0	39.0#

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:43:13 AM



#95
Naphthalene
Concen: 11.953 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008508.D
Acq: 04 Feb 2019 18:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.6	15.8#
129	9.2	8.7	13.1

