

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013940.D
 Acq On : 08 Nov 2019 13:23
 Operator : SY/VA
 Sample : K5742-01
 Misc : 7.60G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(4-6)

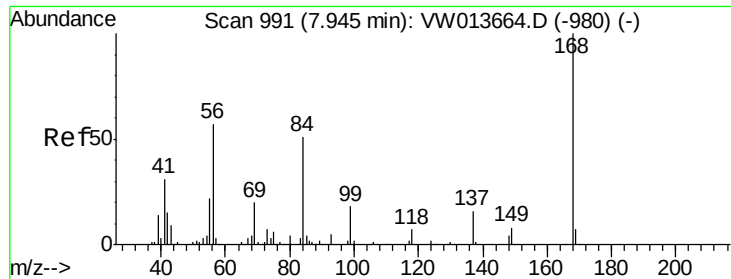
Manual Integrations
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 11/12/2019 12:58:33 PM

Quant Time: Nov 11 10:45:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.90	168	229459	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.82	114	355148	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.63	117	292603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	142888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.28	65	96853	56.27	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	7.88	113	80065m	40.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.14%	
50) Toluene-d8	10.31	98	450788	56.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.12%	
62) 4-Bromofluorobenzene	12.62	95	146461	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.19	50	7908	6.087	ug/l	97
4) Vinyl Chloride	2.34	62	27848	14.194	ug/l	98
31) Cyclohexane	7.84	56	13356	3.491	ug/l	85
39) Methylcyclohexane	9.29	83	158607	37.133	ug/l #	88
40) Benzene	8.26	78	16386	1.751	ug/l	93
52) Toluene	10.38	92	20678	3.425	ug/l	92
65) Chlorobenzene	11.66	112	40225	6.690	ug/l	98
67) Ethyl Benzene	11.74	91	33336	3.075	ug/l	98
68) m/p-Xylenes	11.84	106	45422	10.844	ug/l	90
69) o-Xylene	12.17	106	10276	2.669	ug/l	35
73) Isopropylbenzene	12.48	105	27870	2.716	ug/l	98
78) n-propylbenzene	12.81	91	51954	4.374	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	43156	4.982	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	169531	19.840	ug/l	96
85) sec-Butylbenzene	13.39	105	164110	15.608	ug/l #	38

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.90 min Scan# 983

Delta R.T. -0.05 min

Lab File: VW013940.D

Acq: 08 Nov 2019 13:23

Instrument :

MSVOA_W

ClientSampled :

SB-10-(4-6)

Tot Ion:168 Resp: 229459

Ion Ratio Lower Upper

168 100

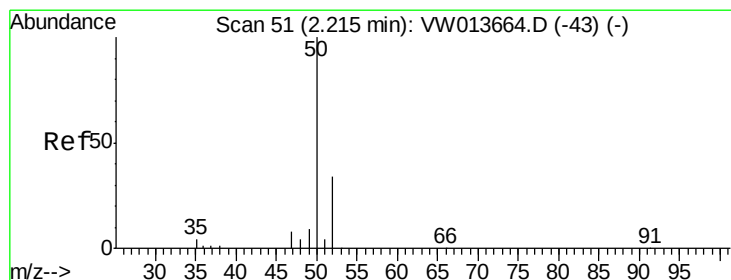
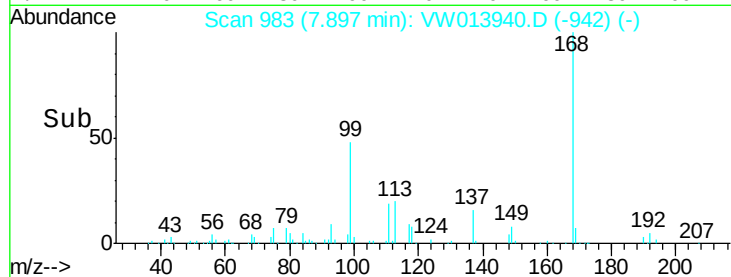
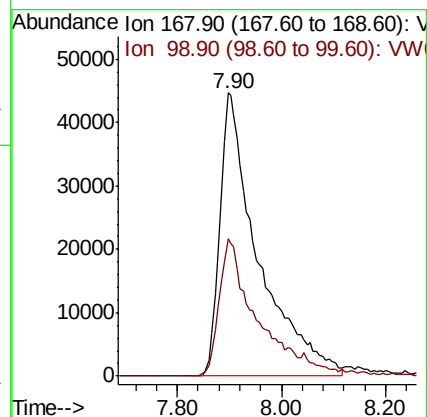
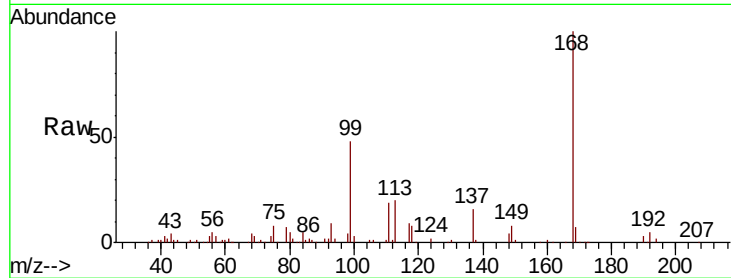
99 48.4 39.0 58.6

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#3

Chloromethane

Concen: 6.087 ug/l

RT: 2.19 min Scan# 47

Delta R.T. -0.02 min

Lab File: VW013940.D

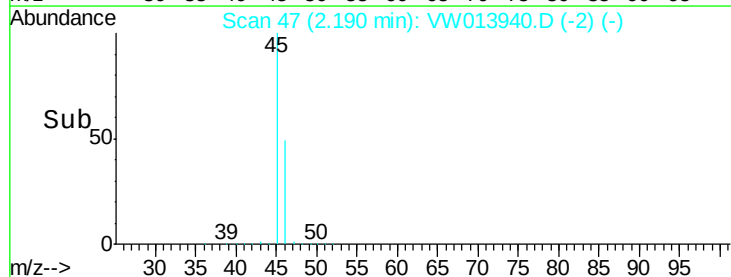
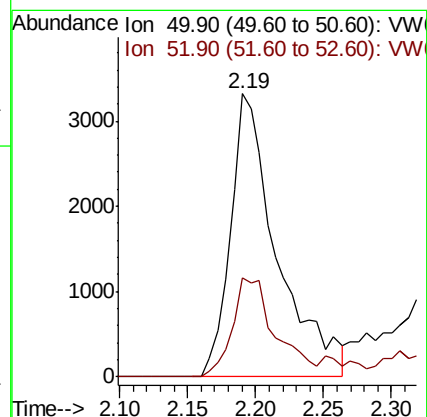
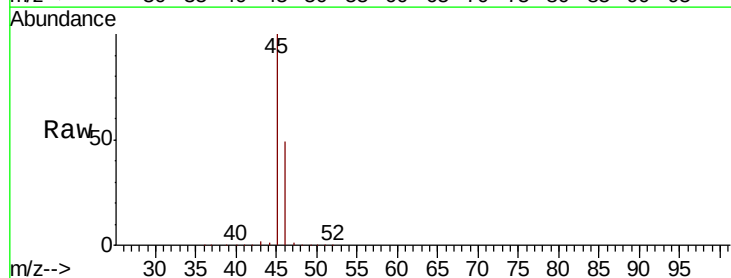
Acq: 08 Nov 2019 13:23

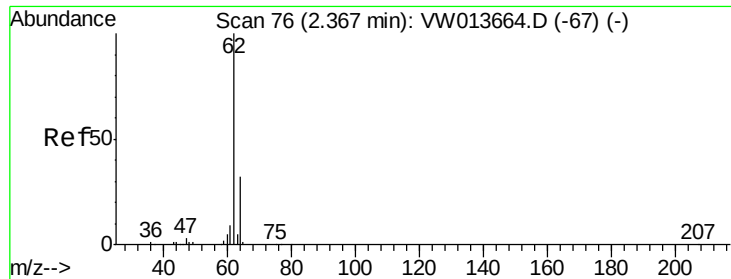
Tgt Ion: 50 Resp: 7908

Ion Ratio Lower Upper

50 100

52 35.1 26.9 40.3





#4

Vinyl Chloride

Concen: 14.194 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.02 min

Lab File: VW013940.D

Acq: 08 Nov 2019 13:23

Instrument :

MSVOA_W

ClientSampled :

SB-10-(4-6)

Tot Ion: 62 Resp: 27848

Ion Ratio Lower Upper

62 100

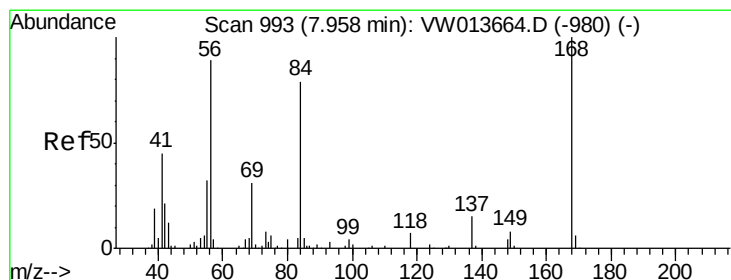
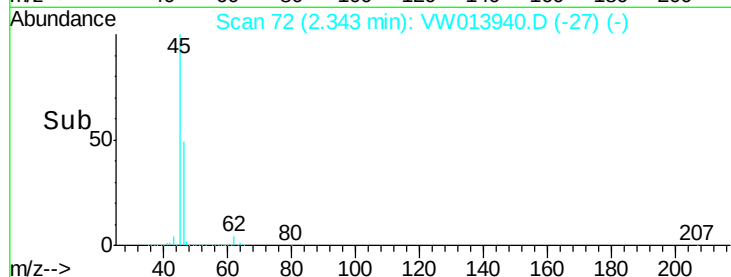
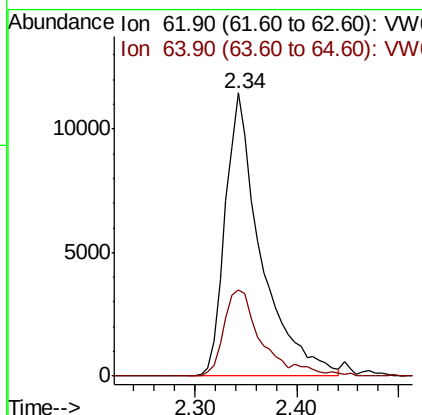
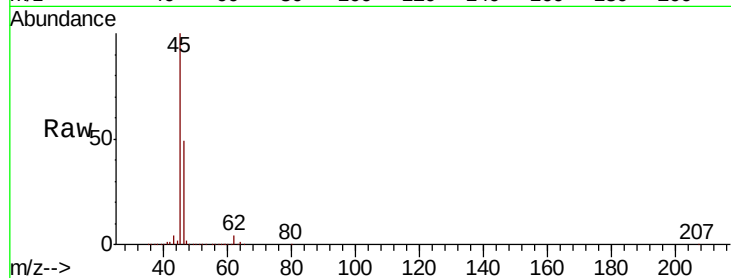
64 30.5 25.5 38.3

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#31

Cyclohexane

Concen: 3.491 ug/l

RT: 7.84 min Scan# 973

Delta R.T. -0.12 min

Lab File: VW013940.D

Acq: 08 Nov 2019 13:23

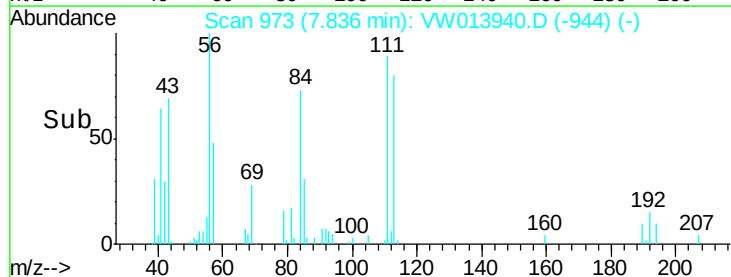
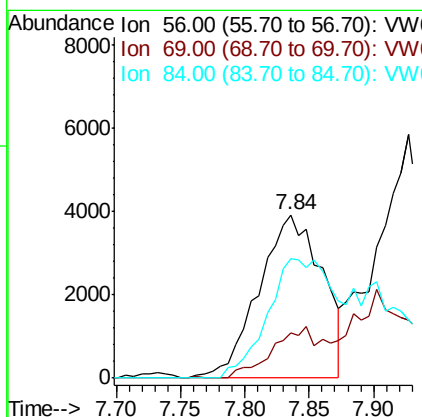
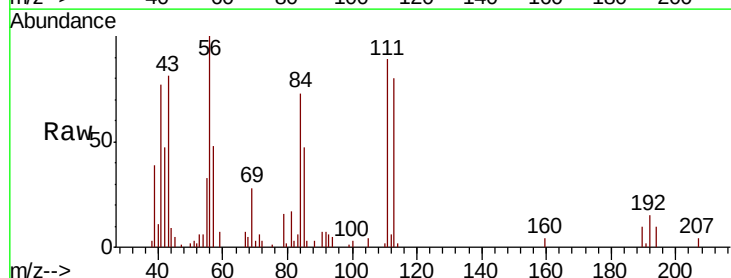
Tgt Ion: 56 Resp: 13356

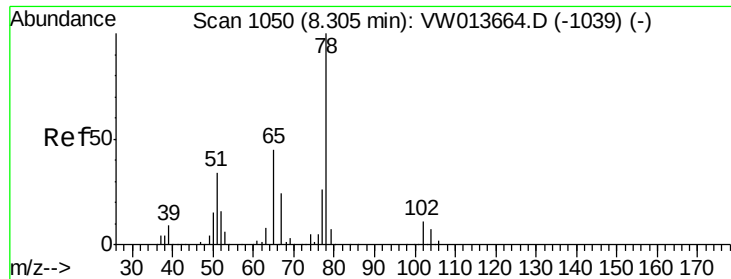
Ion Ratio Lower Upper

56 100

69 27.9 27.5 41.3

84 72.9 70.8 106.2





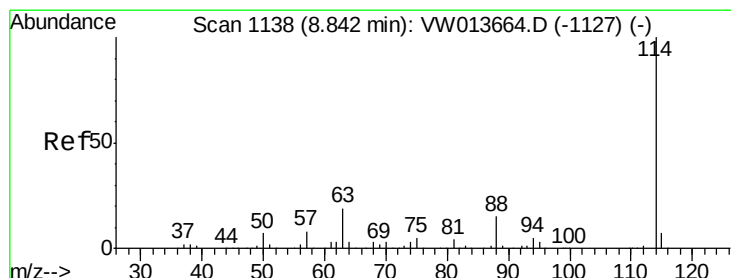
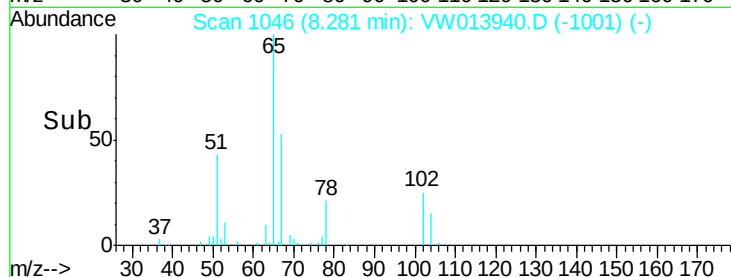
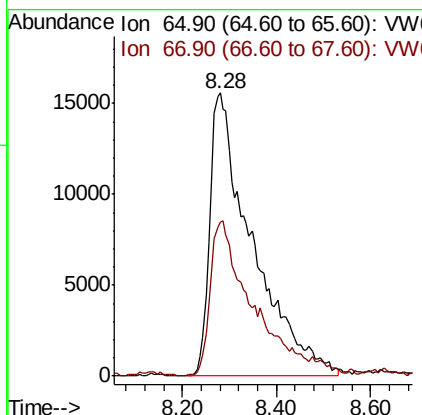
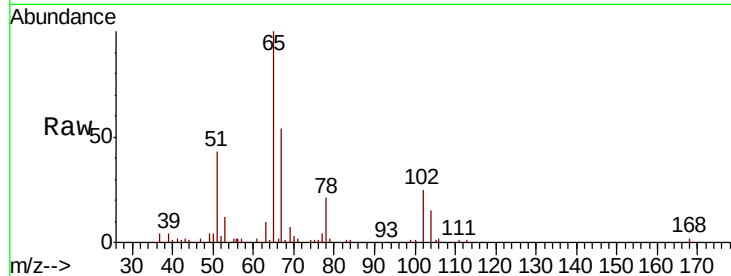
#33
 1,2-Dichloroethane-d4
 Concen: 56.267 ug/l
 RT: 8.28 min Scan# 1046
 Delta R.T. -0.02 min
 Lab File: VW013940.D
 Acq: 08 Nov 2019 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(4-6)

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	109.4

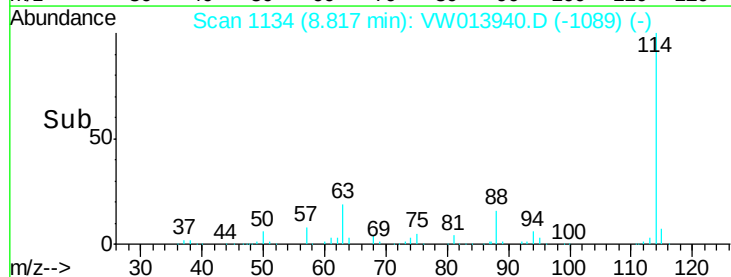
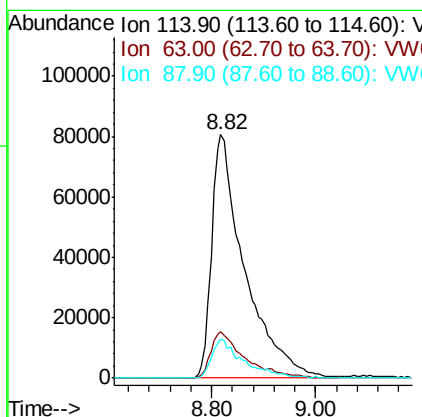
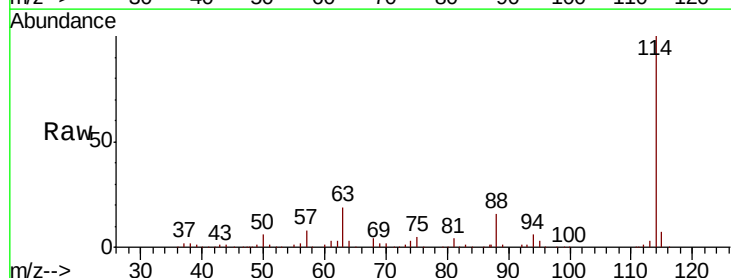
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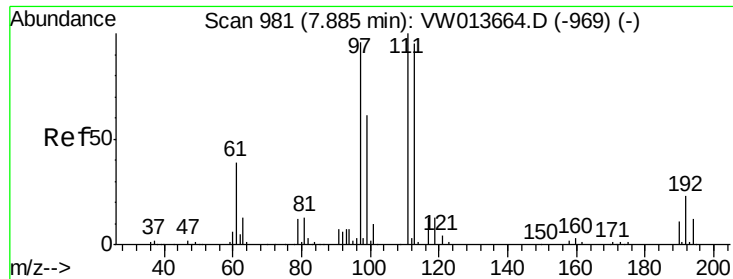
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.82 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VW013940.D
 Acq: 08 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	37.6
88	15.8	0.0	30.2





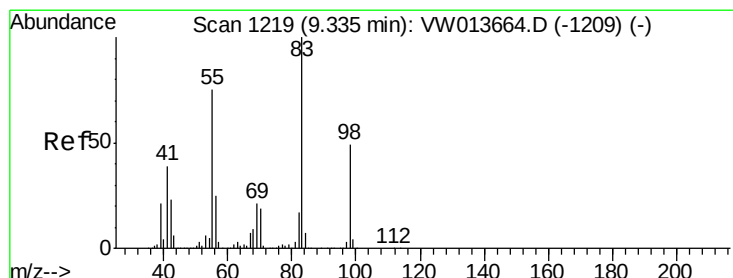
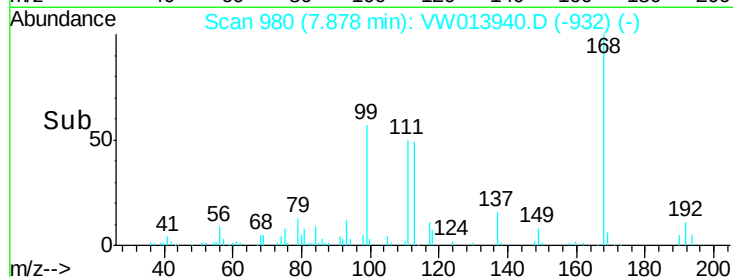
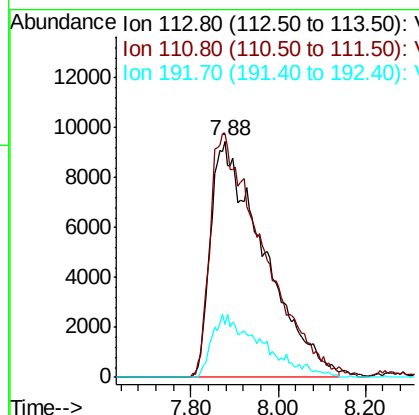
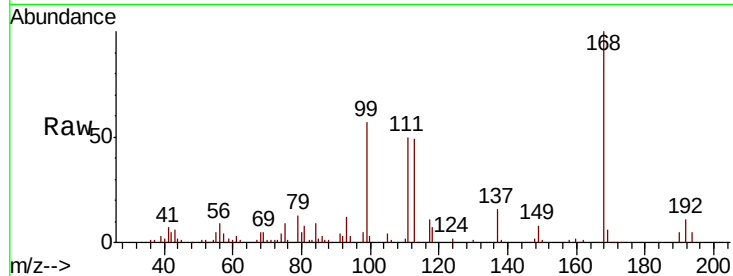
#35
 Dibromofluoromethane
 Concen: 40.572 ug/l m
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013940.D
 Acq: 08 Nov 2019 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(4-6)

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.6
192	12.5	19.4	29.2#

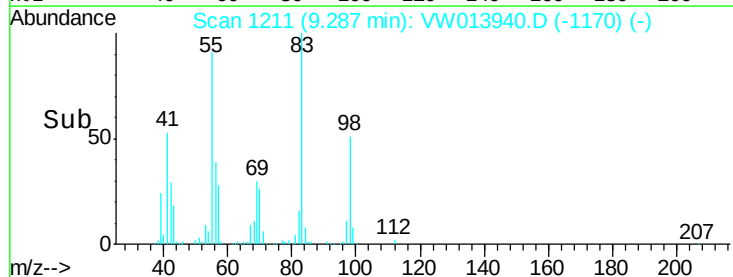
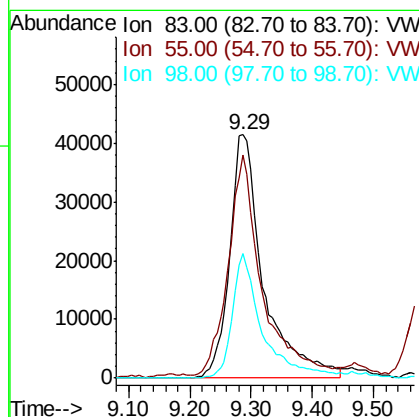
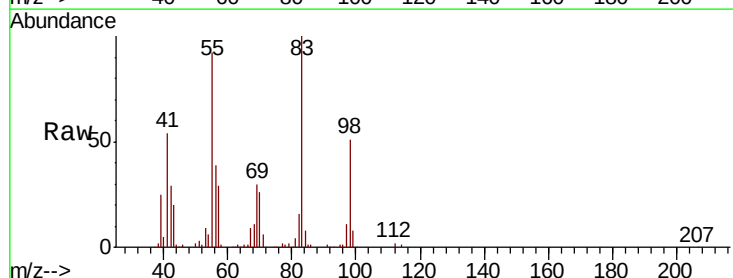
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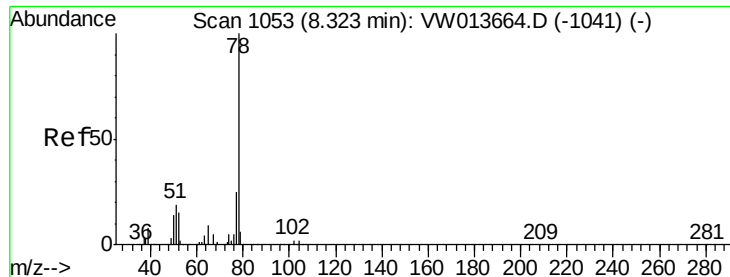
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#39
 Methylcyclohexane
 Concen: 37.133 ug/l
 RT: 9.29 min Scan# 1211
 Delta R.T. -0.05 min
 Lab File: VW013940.D
 Acq: 08 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.3	59.9	89.9#
98	51.2	39.4	59.2





#40

Benzene

Concen: 1.751 ug/l

RT: 8.26 min Scan# 1043

Delta R.T. -0.06 min

Lab File: VW013940.D

Acq: 08 Nov 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(4-6)

Tot Ion: 78 Resp: 16386

Ion Ratio Lower Upper

78 100

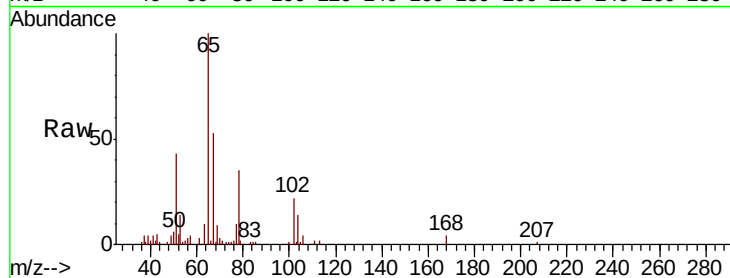
77 28.0 19.6 29.4

Manual Integrations

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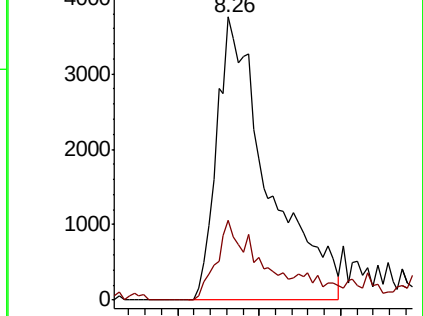
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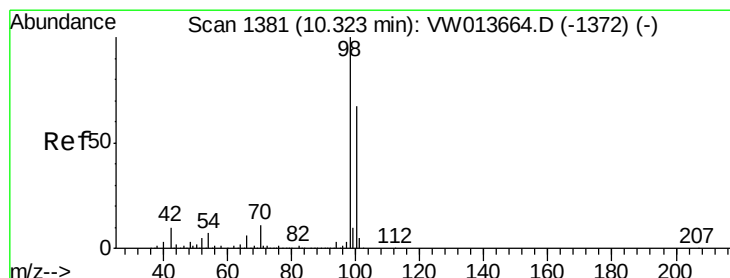
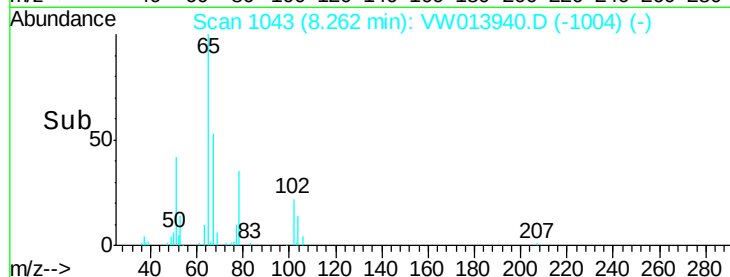


Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#50

Toluene-d8

Concen: 56.060 ug/l

RT: 10.31 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VW013940.D

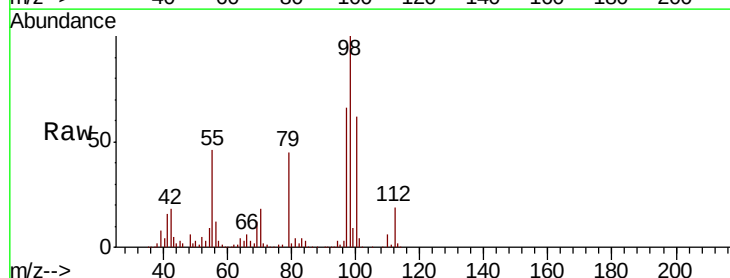
Acq: 08 Nov 2019 13:23

Tgt Ion: 98 Resp: 450788

Ion Ratio Lower Upper

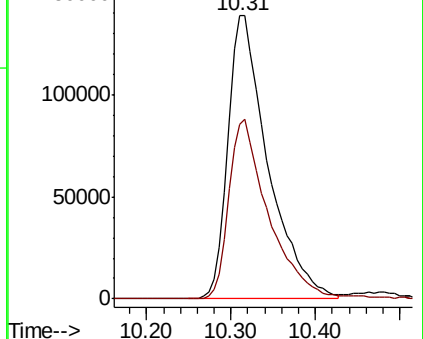
98 100

100 62.1 53.4 80.0

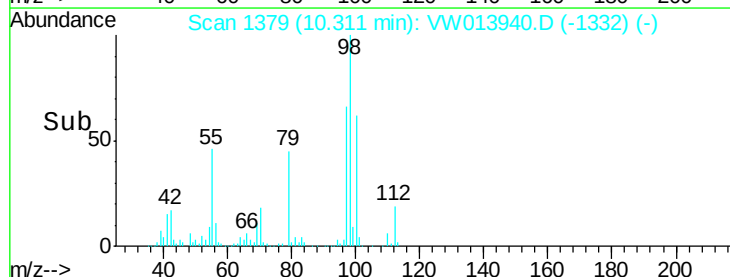


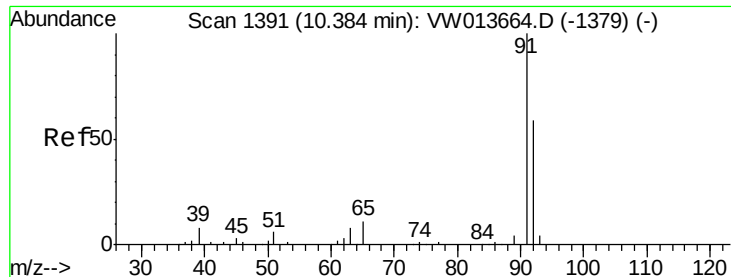
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#52

Toluene

Concen: 3.425 ug/l

RT: 10.38 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VW013940.D

Acq: 08 Nov 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(4-6)

Tot Ion: 92 Resp: 20678

Ion Ratio Lower Upper

92 100

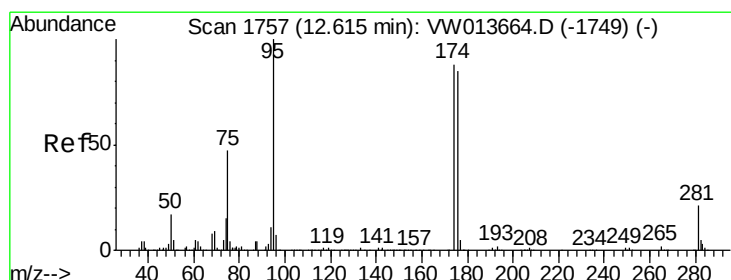
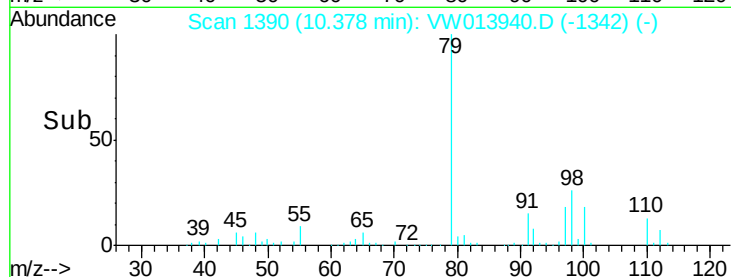
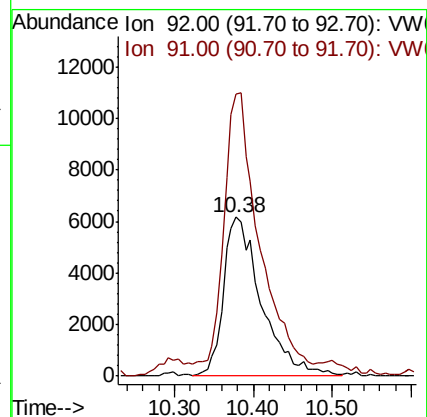
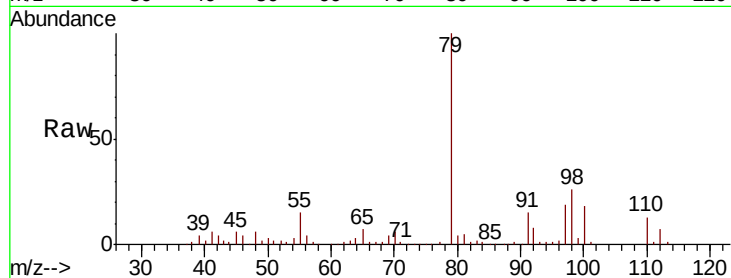
91 157.7 134.5 201.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW013940.D

Acq: 08 Nov 2019 13:23

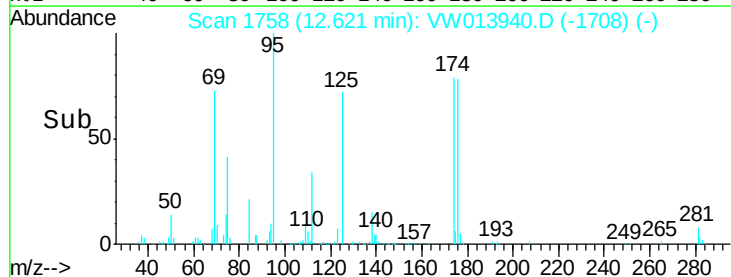
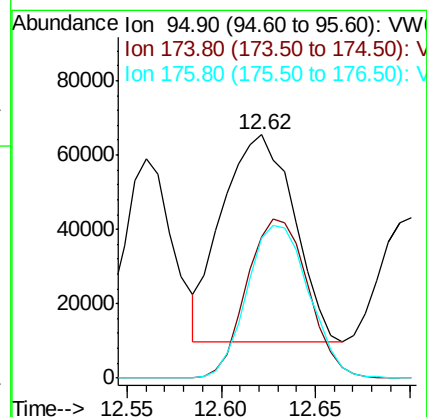
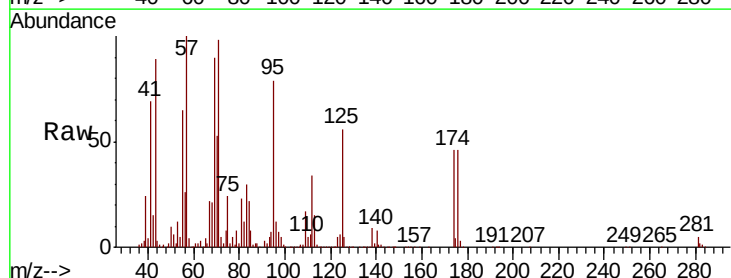
Tgt Ion: 95 Resp: 146461

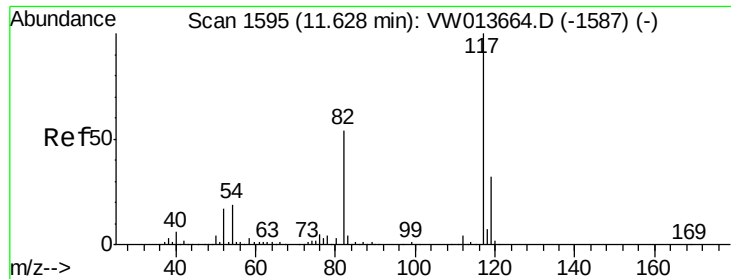
Ion Ratio Lower Upper

95 100

174 66.3 0.0 183.6

176 63.9 0.0 178.0





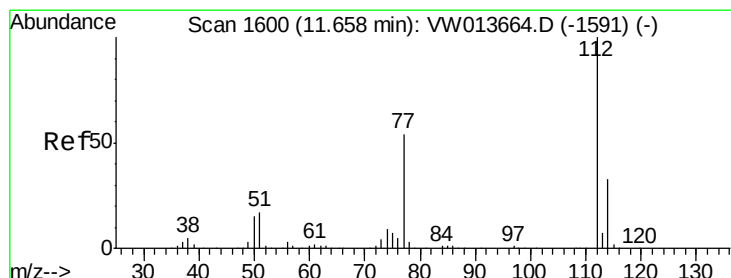
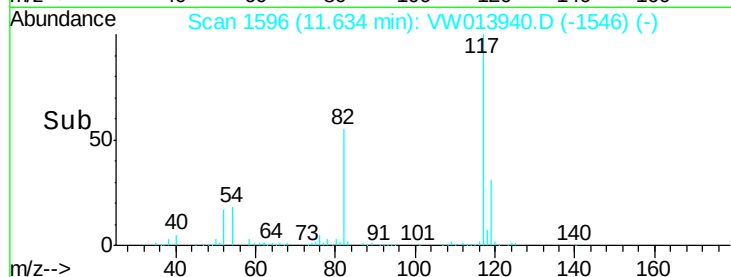
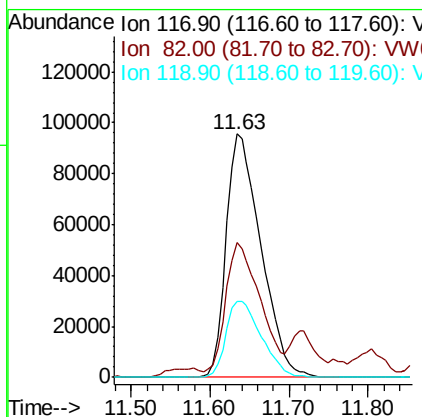
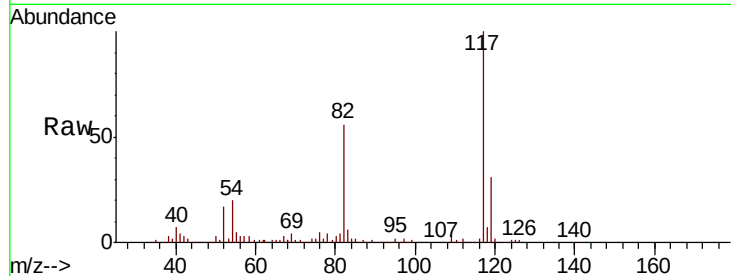
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Instrument :
MSVOA_W
ClientSampleId :
SB-10-(4-6)

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.6	65.4
119	31.5	25.4	38.2

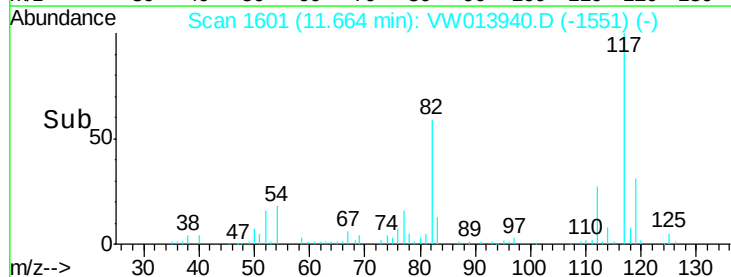
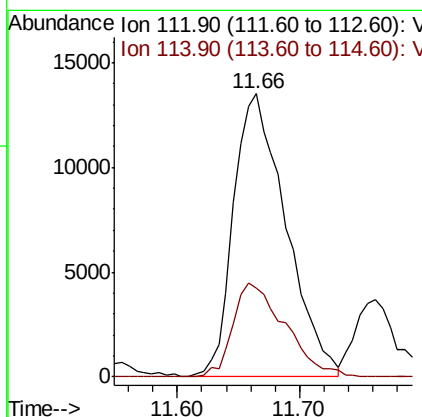
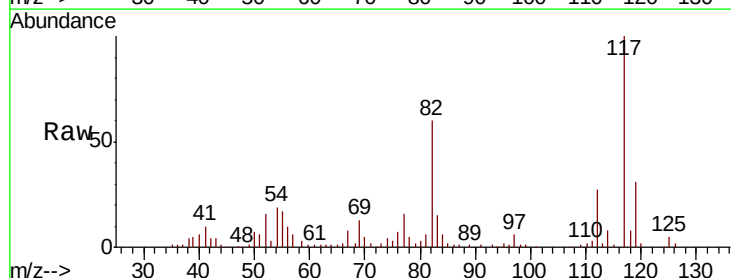
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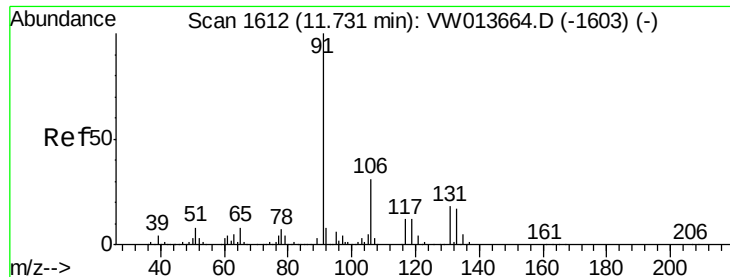
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#65
Chlorobenzene
Concen: 6.690 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.2	39.4





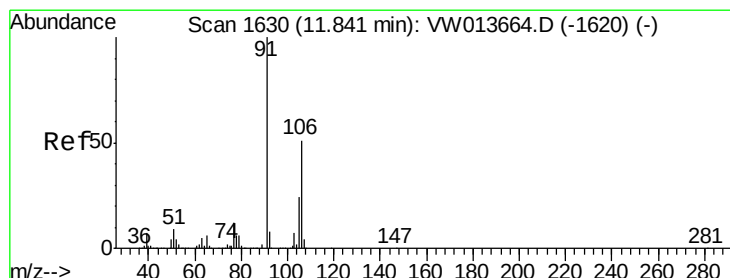
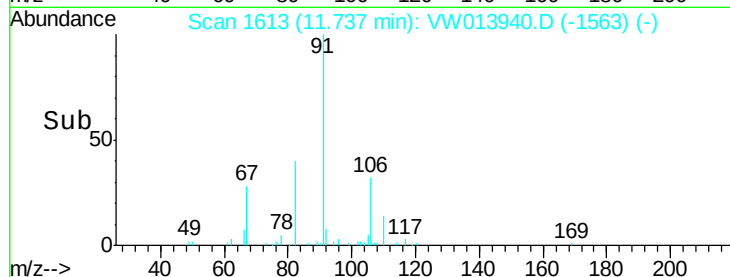
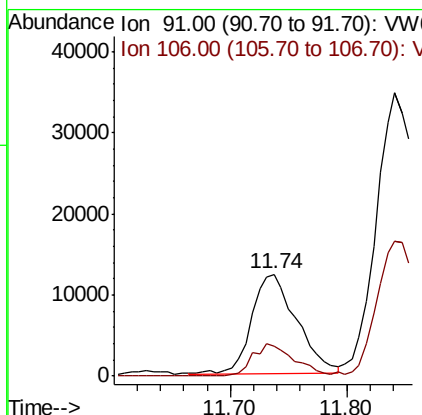
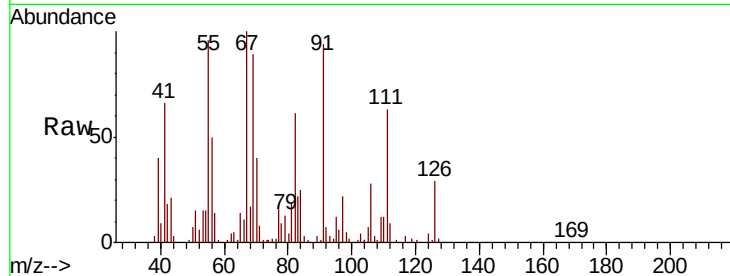
#67
Ethyl Benzene
Concen: 3.075 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Instrument :
MSVOA_W
ClientSampleId :
SB-10-(4-6)

Tot Ion: 91 Resp: 33336
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.6

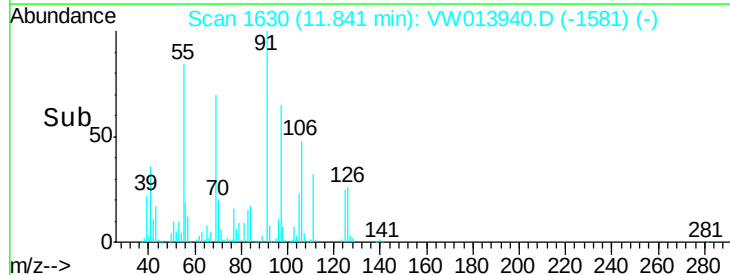
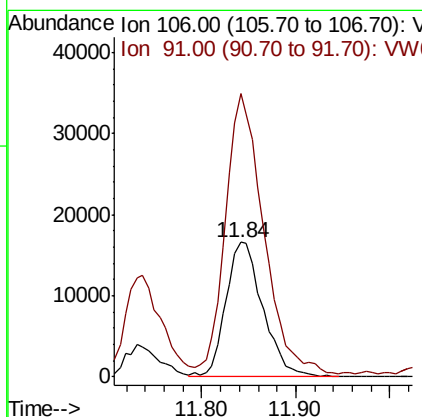
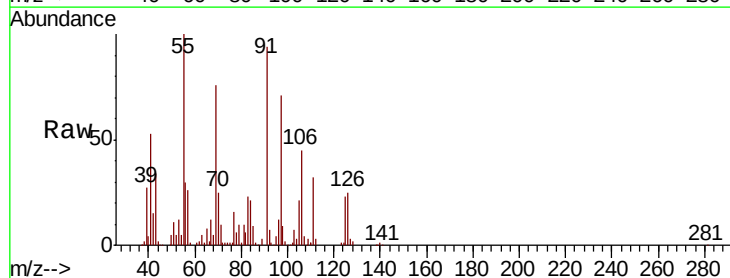
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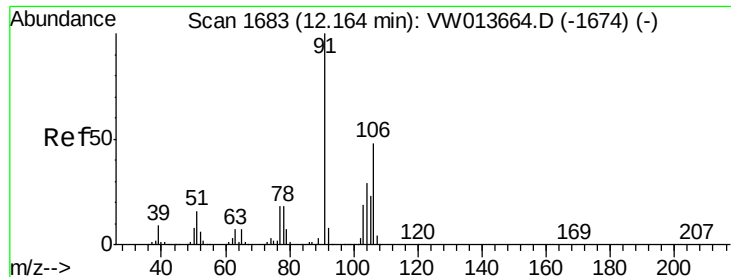
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#68
m/p-Xylenes
Concen: 10.844 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Tgt Ion: 106 Resp: 45422
Ion Ratio Lower Upper
106 100
91 214.3 159.2 238.8





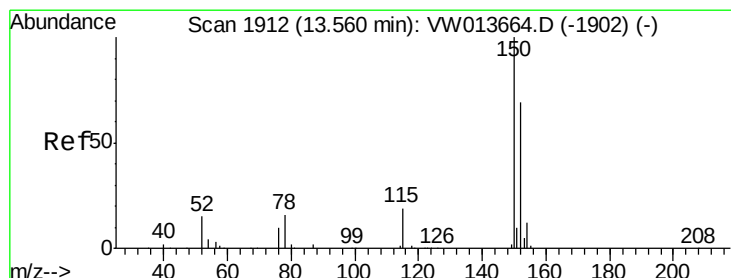
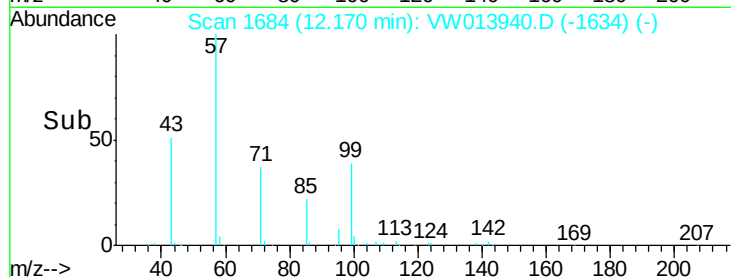
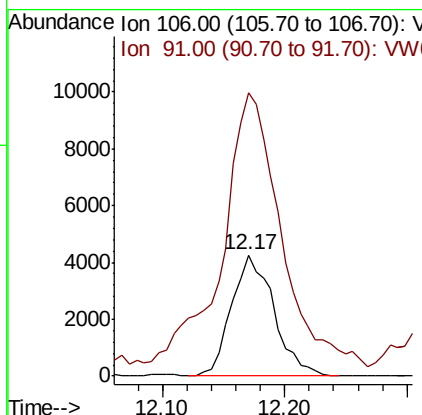
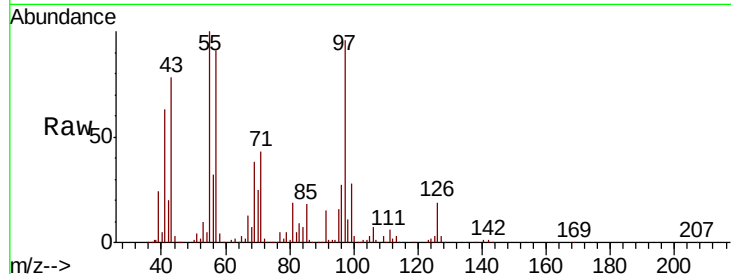
#69
o-Xylene
Concen: 2.669 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Instrument :
MSVOA_W
ClientSampled :
SB-10-(4-6)

Tot Ion:106 Resp: 10276
Ion Ratio Lower Upper
106 100
91 311.9 104.9 314.7

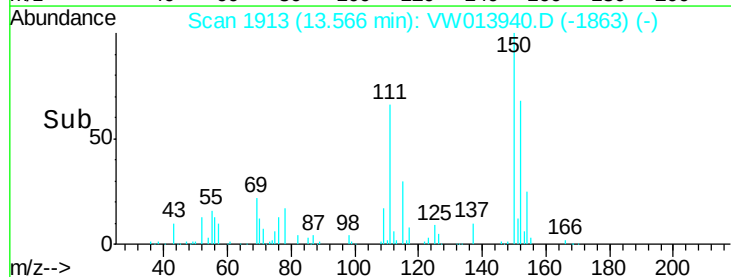
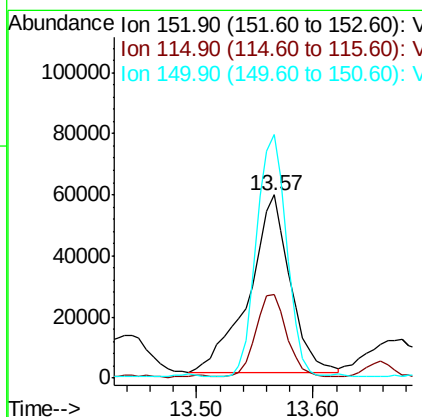
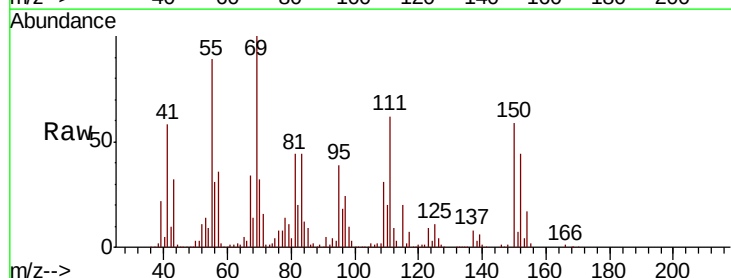
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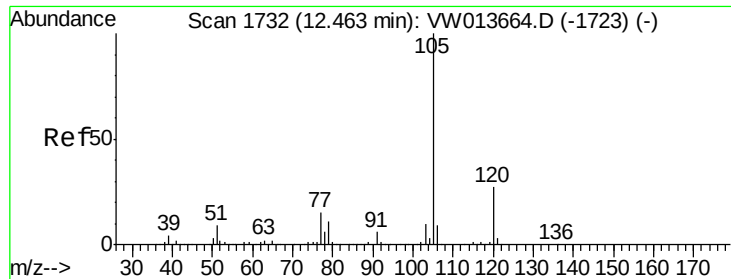
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Tgt Ion:152 Resp: 142888
Ion Ratio Lower Upper
152 100
115 35.1 27.4 82.2
150 99.8 0.0 345.4





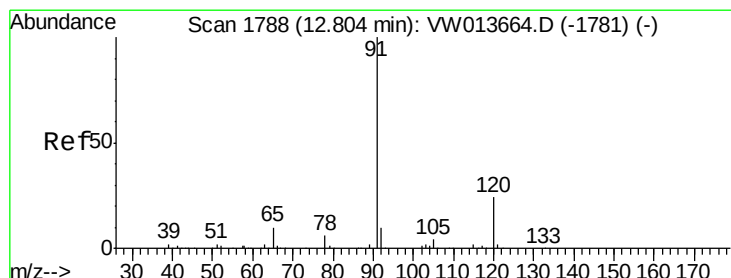
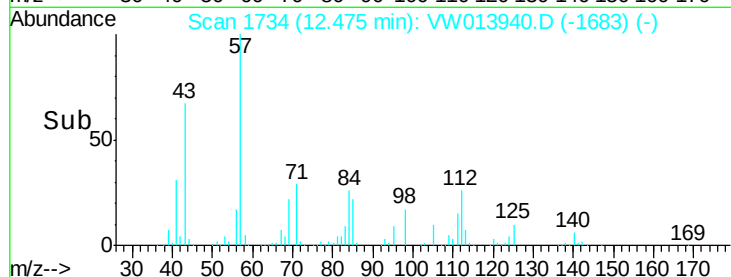
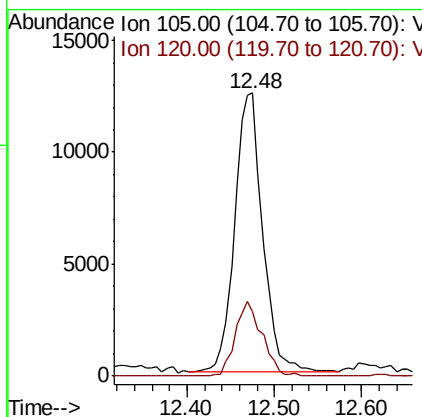
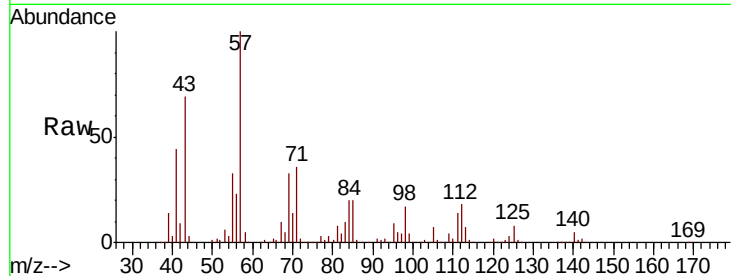
#73
Isopropylbenzene
Concen: 2.716 ug/l
RT: 12.48 min Scan# 1734
Delta R.T. 0.01 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Instrument :
MSVOA_W
ClientSampled :
SB-10-(4-6)

Tot Ion: 105 Resp: 27870
Ion Ratio Lower Upper
105 100
120 25.7 13.5 40.4

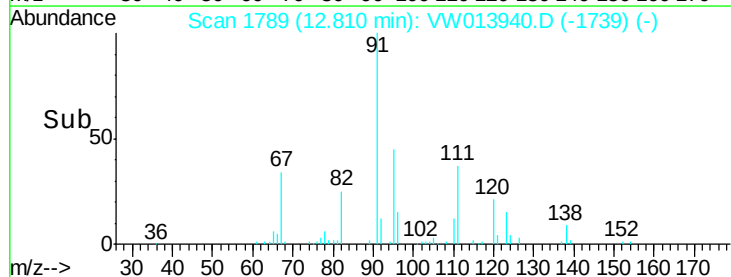
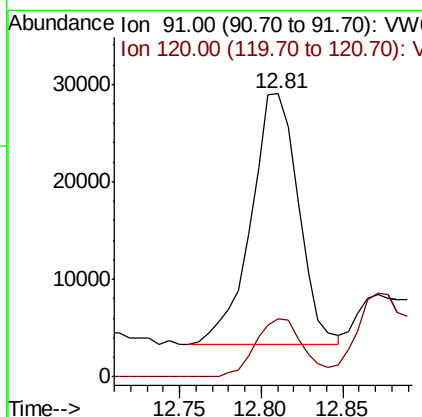
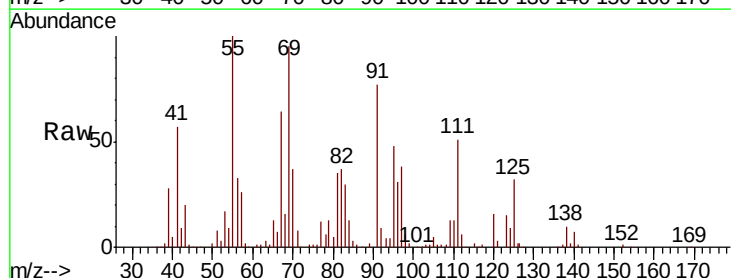
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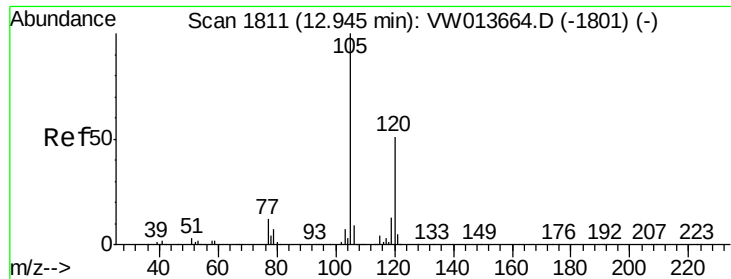
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#78
n-propylbenzene
Concen: 4.374 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.01 min
Lab File: VW013940.D
Acq: 08 Nov 2019 13:23

Tgt Ion: 91 Resp: 51954
Ion Ratio Lower Upper
91 100
120 23.4 12.0 36.0





#80

1,3,5-Trimethylbenzene

Concen: 4.982 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013940.D

Acq: 08 Nov 2019 13:23

Instrument :

MSVOA_W

ClientSampled :

SB-10-(4-6)

Tot Ion:105 Resp: 43156

Ion Ratio Lower Upper

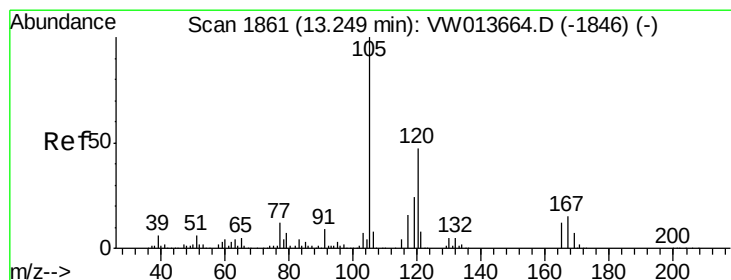
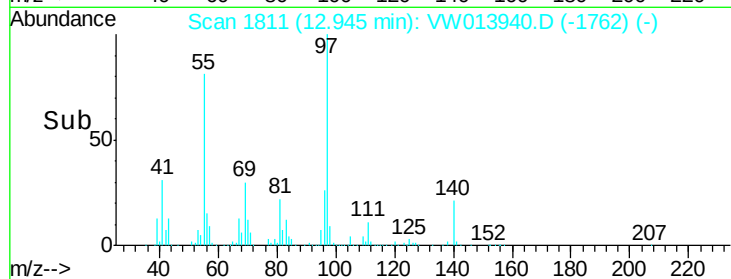
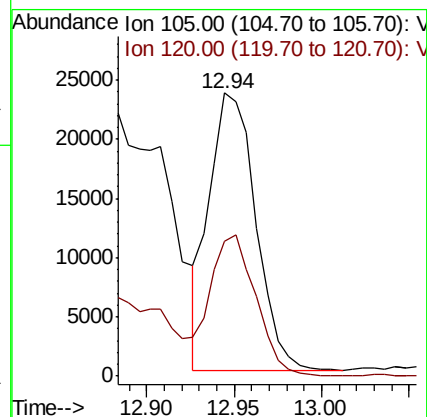
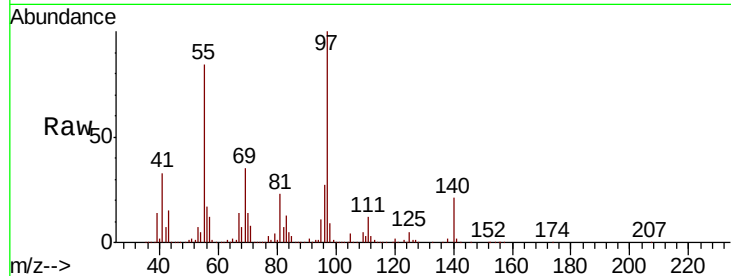
105 100

120 52.7 25.1 75.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.840 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW013940.D

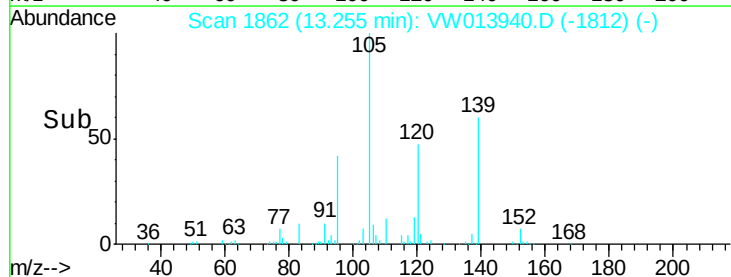
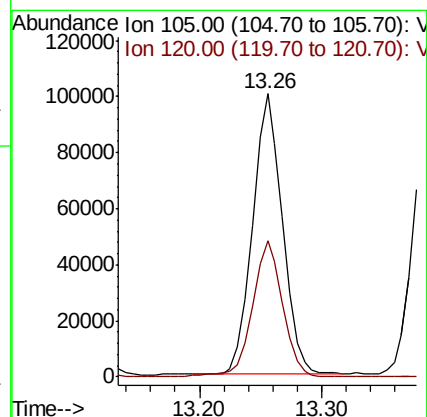
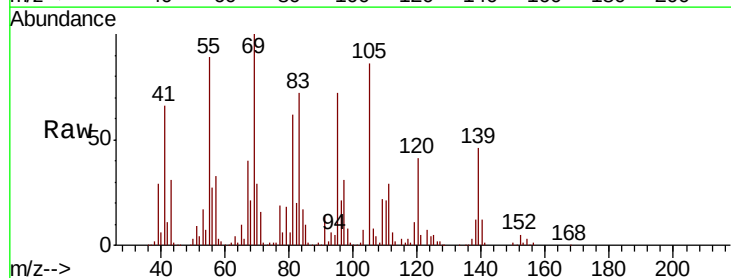
Acq: 08 Nov 2019 13:23

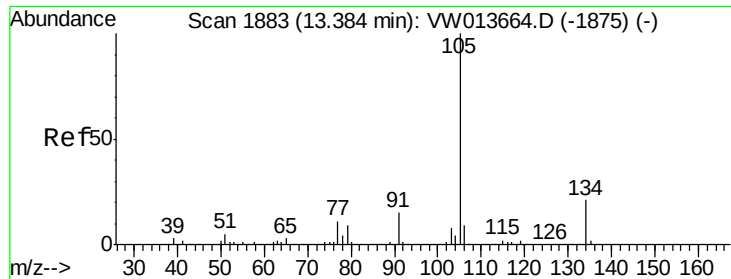
Tgt Ion:105 Resp: 169531

Ion Ratio Lower Upper

105 100

120 49.4 23.5 70.5





#85
 sec-Butylbenzene
 Concen: 15.608 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW013940.D
 Acq: 08 Nov 2019 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
105	100	164110		
134	50.2	10.5	31.5#	

Manual Integrations
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MMDadoda
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