

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
 Data File : VW013424.D
 Acq On : 03 Oct 2019 17:28
 Operator : SY/VA
 Sample : K5176-15RE
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

Manual Integrations
 APPROVED

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 10/4/2019 12:06:44 PM

Quant Time: Oct 04 09:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	29186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	38411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	26916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	10707	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	7.89	113	10912	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.32	98	41895	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.62	95	11404	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	

Target Compounds

						Qvalue
16) Acetone	4.12	43	16350	244.769	ug/l	97
17) Carbon Disulfide	4.38	76	3446	4.598	ug/l	95
20) Methylene Chloride	4.92	84	17942	64.873	ug/l	98
30) Chloroform	7.68	83	134742	293.929	ug/l	92
31) Cyclohexane	7.92	56	130779	262.309	ug/l #	44
39) Methylcyclohexane	9.34	83	14584	31.040	ug/l	88
40) Benzene	8.33	78	4335	4.292	ug/l	98
52) Toluene	10.39	92	372006	571.086	ug/l	99
67) Ethyl Benzene	11.73	91	18883	19.107	ug/l	94
68) m/p-Xylenes	11.84	106	34735	91.056	ug/l	99
69) o-Xylene	12.16	106	16592	47.043	ug/l	93
73) Isopropylbenzene	12.47	105	5567	11.587	ug/l	92
78) n-propylbenzene	12.80	91	8001	14.478	ug/l	83
80) 1,3,5-Trimethylbenzene	12.94	105	11884	29.778	ug/l	92
84) 1,2,4-Trimethylbenzene	13.25	105	38423	96.846	ug/l	99
85) sec-Butylbenzene	13.38	105	7863	16.360	ug/l #	75
86) p-Isopropyltoluene	13.50	119	35857m	80.503	ug/l	
89) n-Butylbenzene	13.82	91	6715m	16.722	ug/l	

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

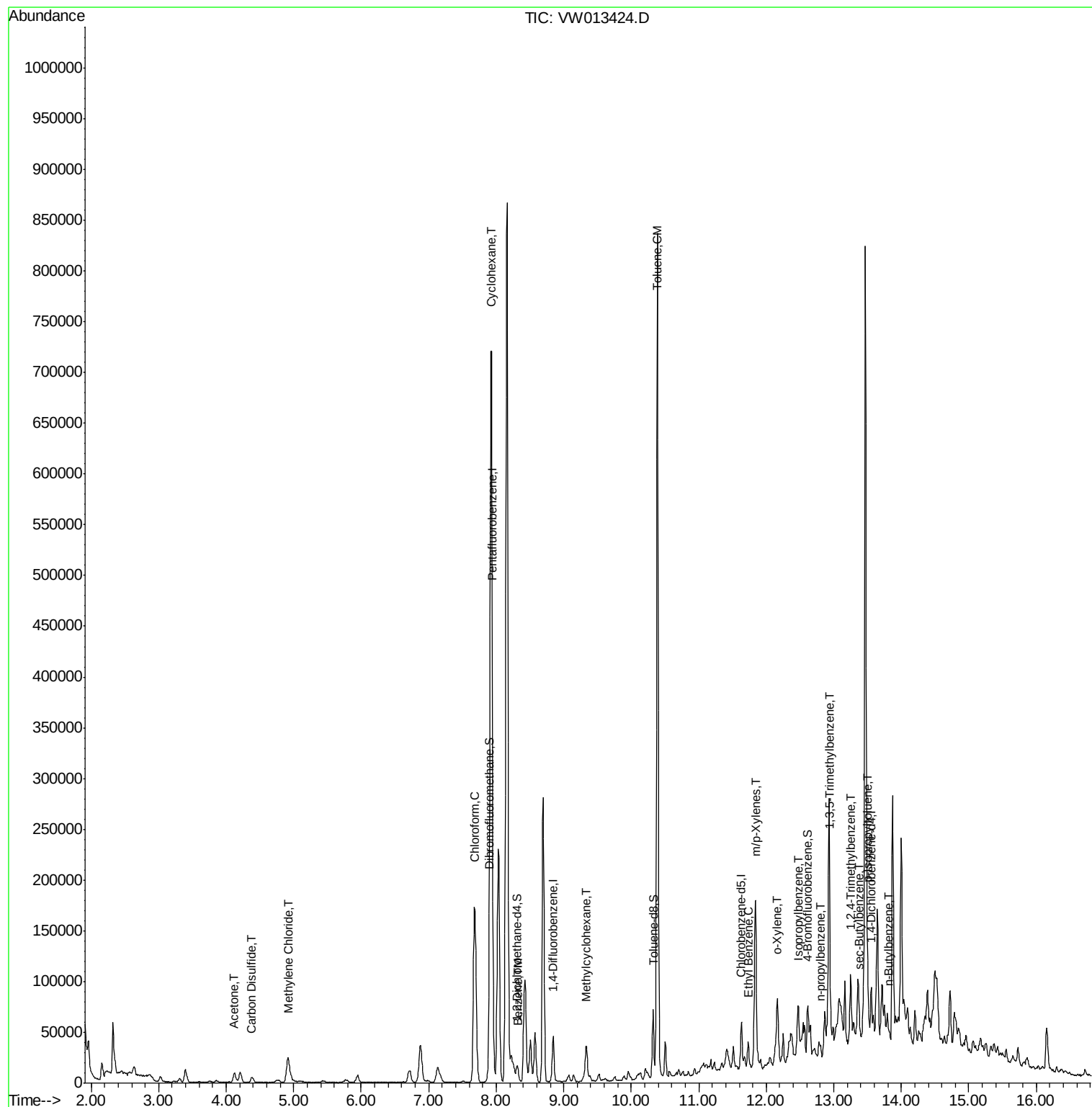
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013424.D
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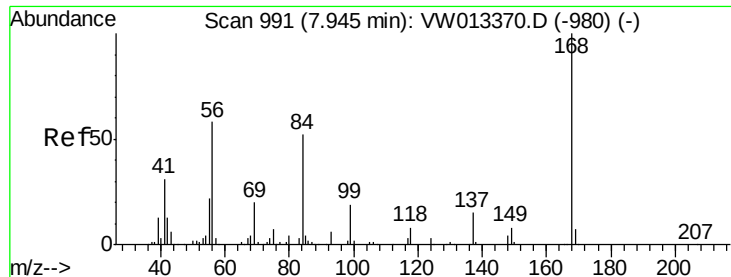
Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

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Quant Time: Oct 04 09:47:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 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: VW013424.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

Tot Ion:168 Resp: 29186

Ion Ratio Lower Upper

168 100

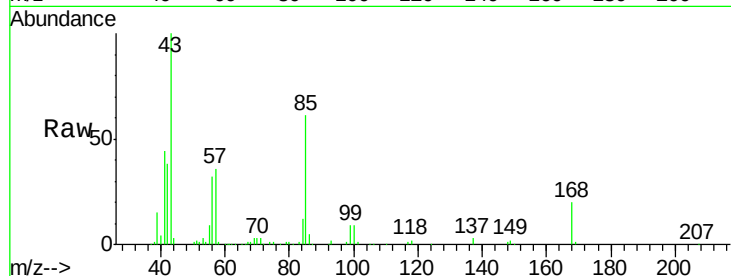
99 46.8 40.2 60.4

Manual Integrations

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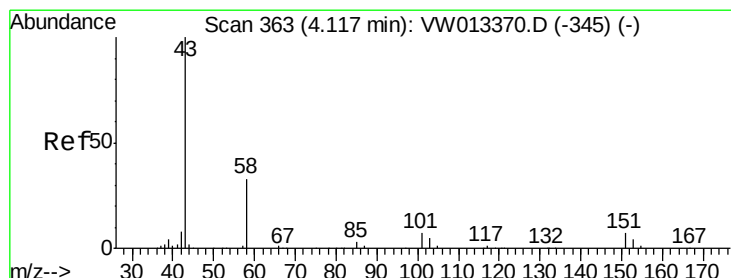
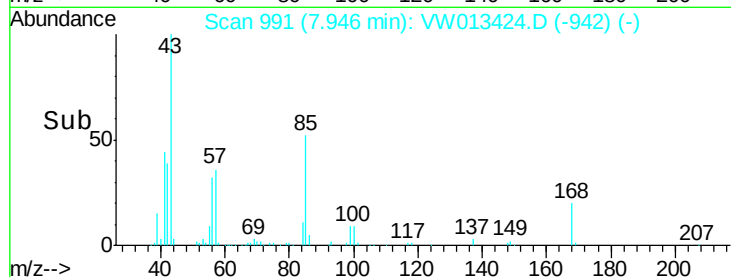
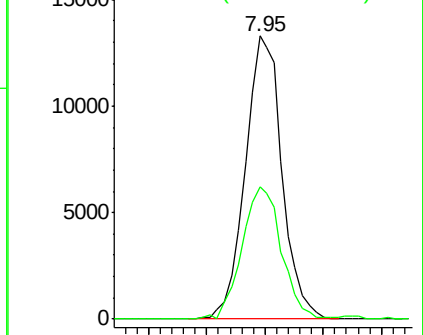
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 244.769 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013424.D

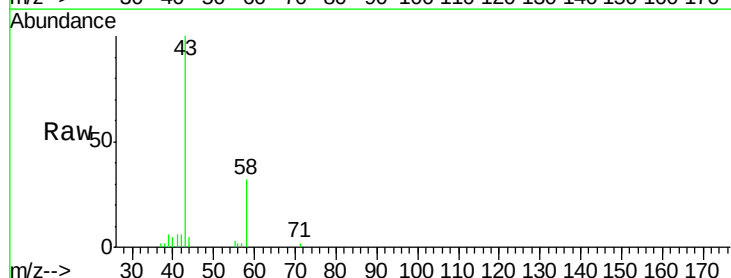
Acq: 03 Oct 2019 17:28

Tgt Ion: 43 Resp: 16350

Ion Ratio Lower Upper

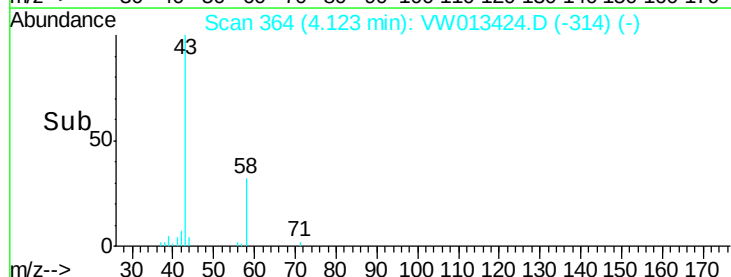
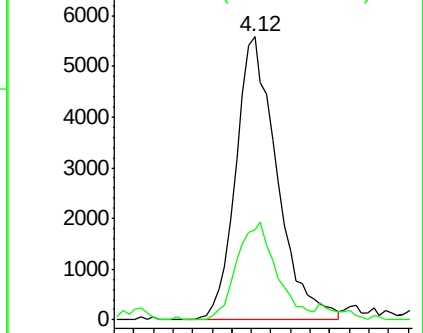
43 100

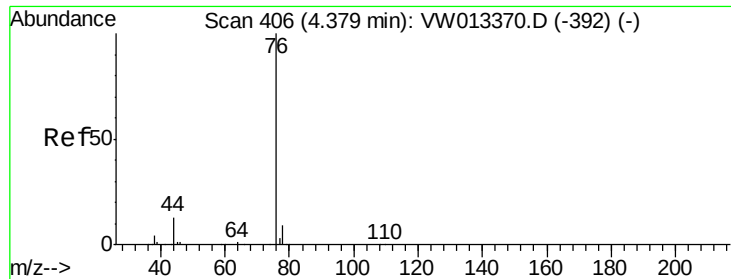
58 31.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





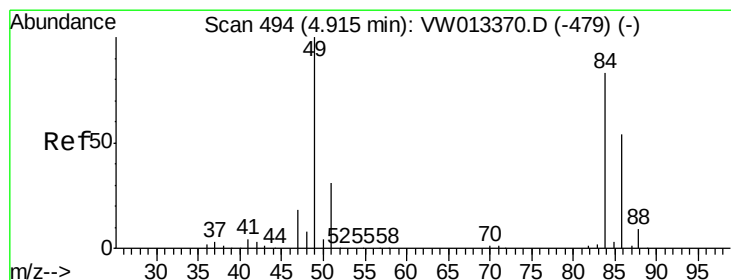
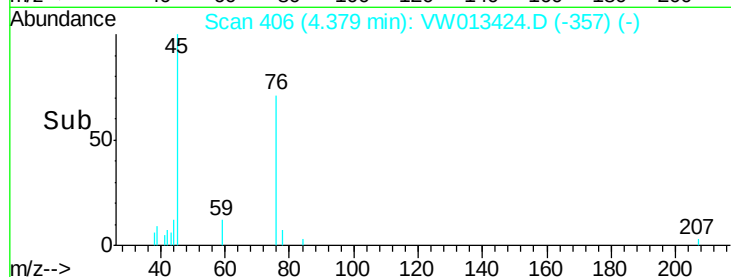
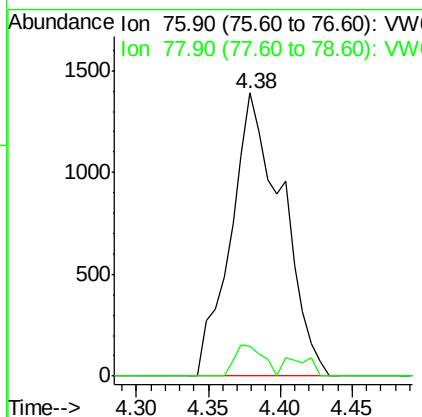
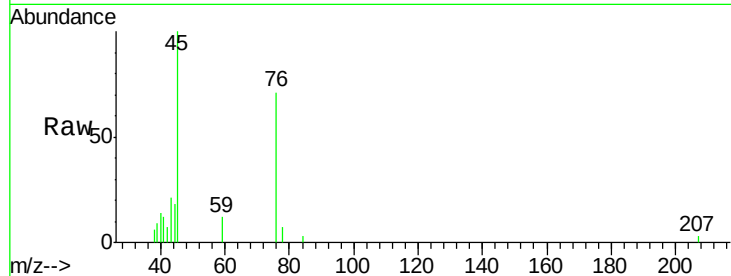
#17
Carbon Disulfide
Concen: 4.598 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

Tot Ion: 76 Resp: 3446
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.4

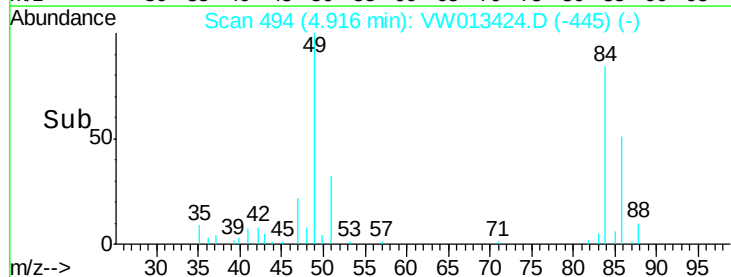
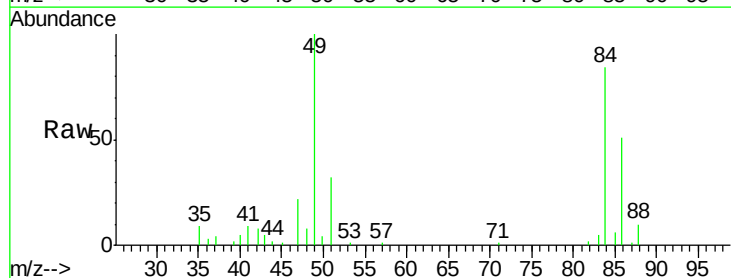
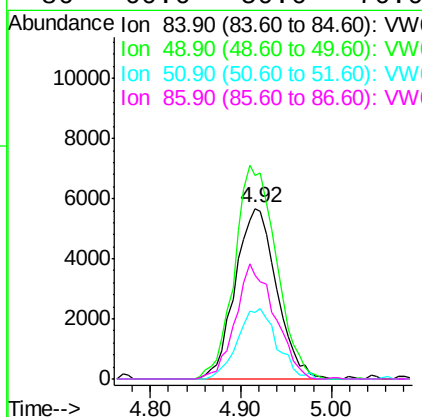
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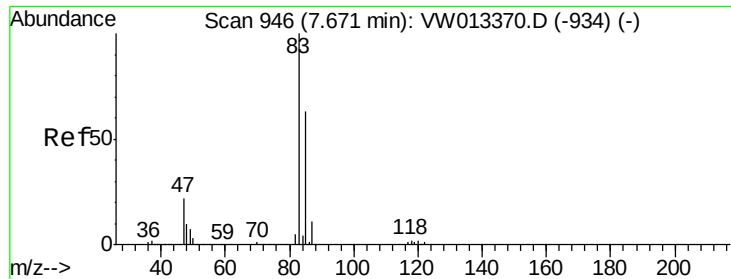
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#20
Methylene Chloride
Concen: 64.873 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Tgt Ion: 84 Resp: 17942
Ion Ratio Lower Upper
84 100
49 119.6 97.6 146.4
51 38.7 30.2 45.2
86 60.6 50.6 76.0





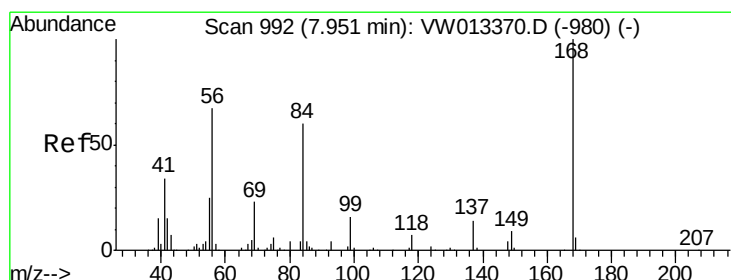
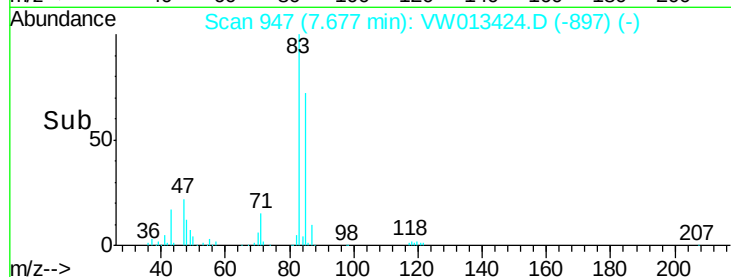
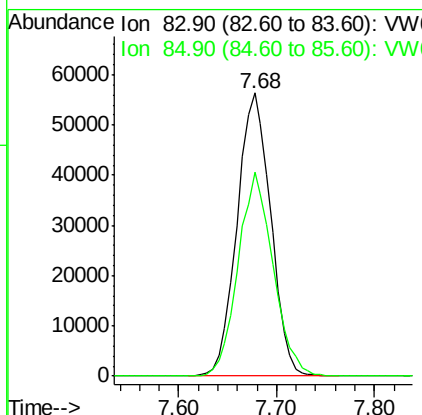
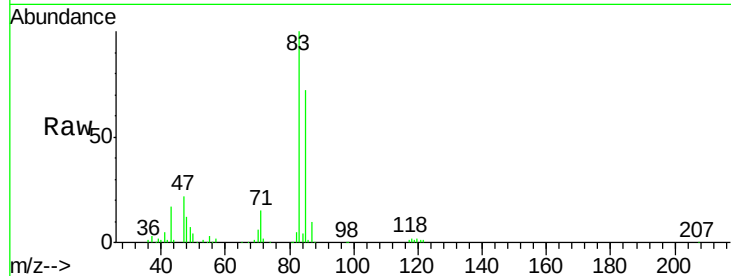
#30
Chloroform
Concen: 293.929 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

Tot Ion	83	85	Resp	Lower	Upper
134742	100	71.9		52.3	78.5

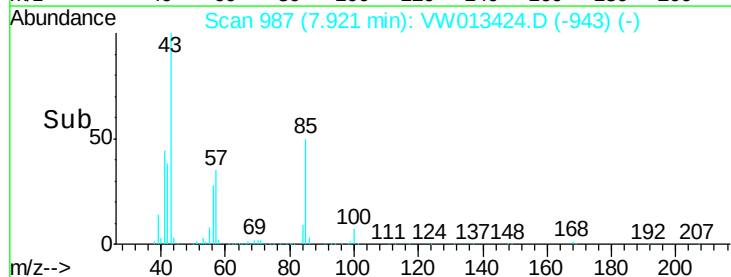
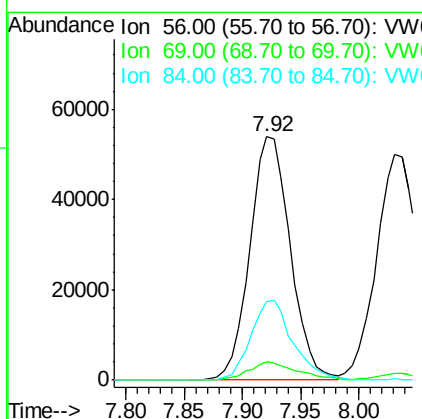
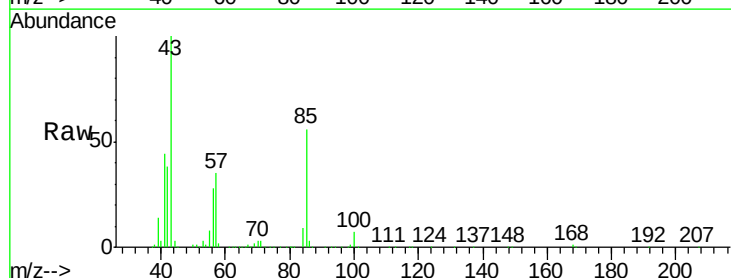
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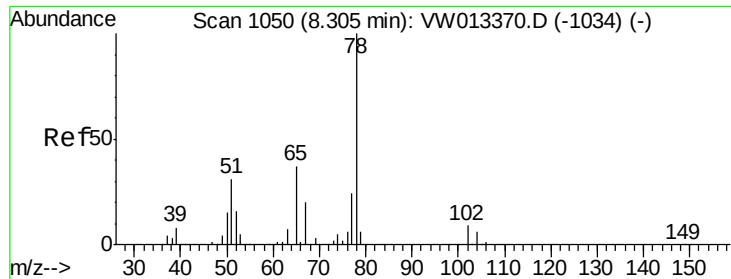
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#31
Cyclohexane
Concen: 262.309 ug/l
RT: 7.92 min Scan# 987
Delta R.T. -0.03 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Tgt Ion	56	69	84	Resp	Lower	Upper
130779	100	7.5	32.2		27.2	40.8#
					70.8	106.2#





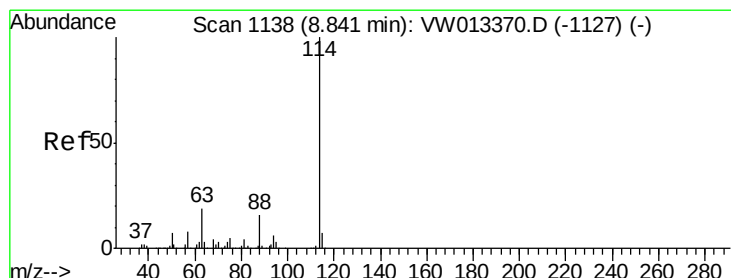
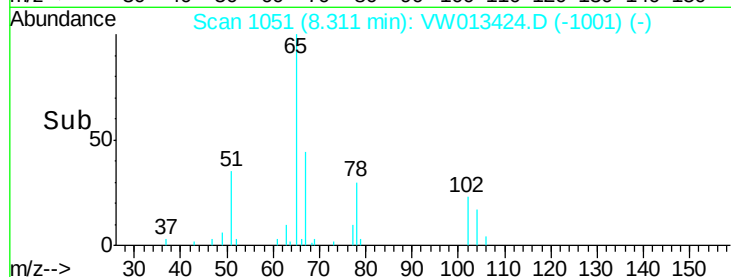
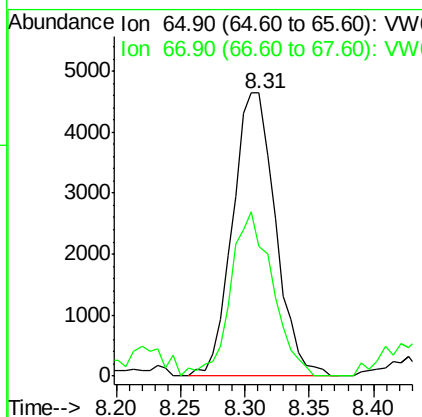
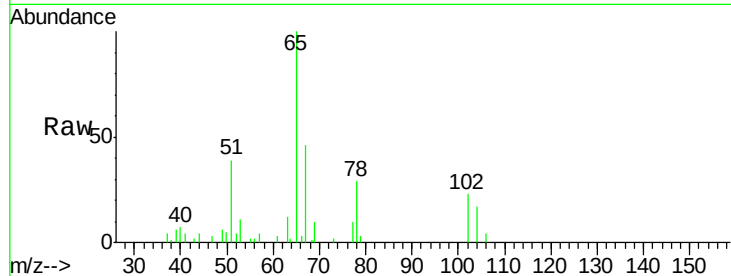
#33
 1,2-Dichloroethane-d4
 Concen: 49.132 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	10707		
67	56.3	0.0	106.2	

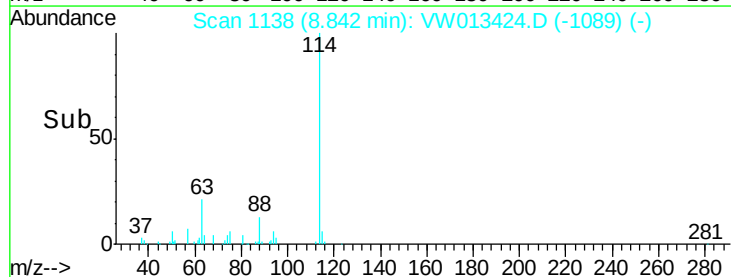
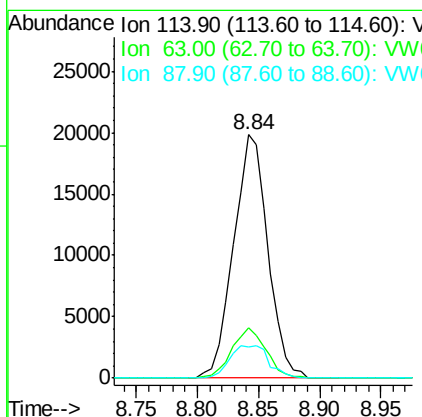
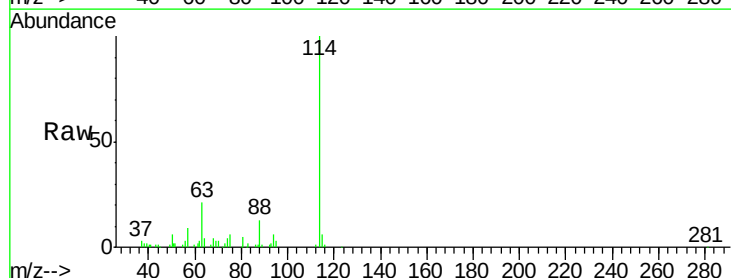
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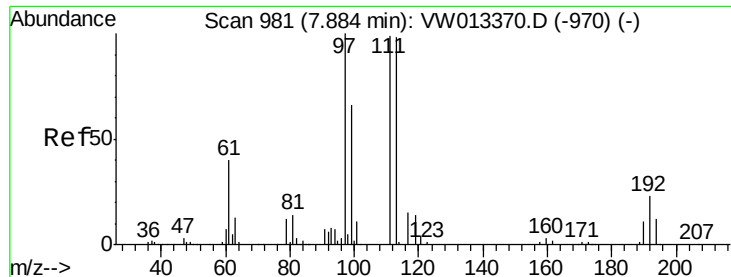
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	38411		
63	20.8	0.0	41.4	
88	12.7	0.0	32.0	





#35

Dibromofluoromethane

Concen: 54.140 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

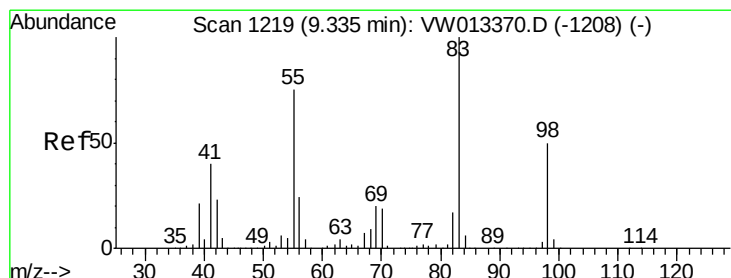
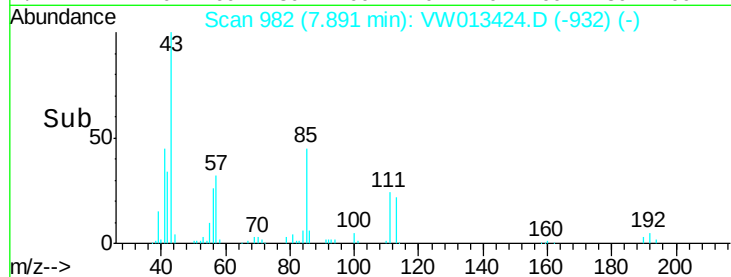
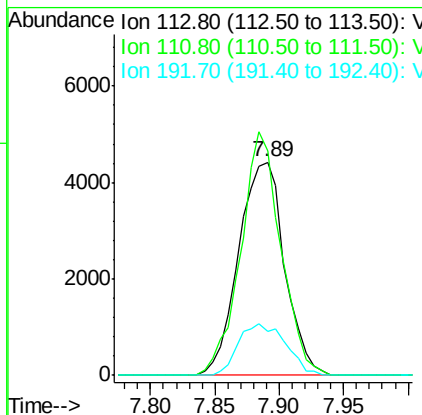
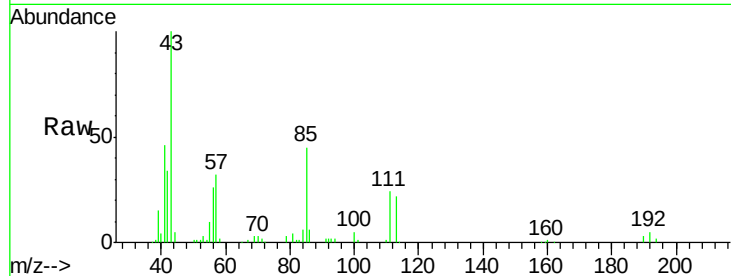
ClientSampleId :

30459-61RE

Tot Ion:	113	Resp:	10912
Ion	Ratio	Lower	Upper
113	100		
111	99.7	81.9	122.9
192	25.0	19.1	28.7

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#39

Methylcyclohexane

Concen: 31.040 ug/l

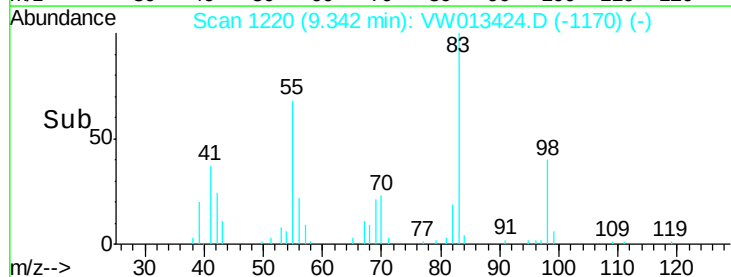
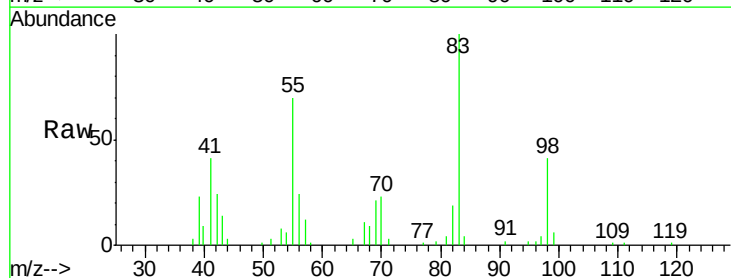
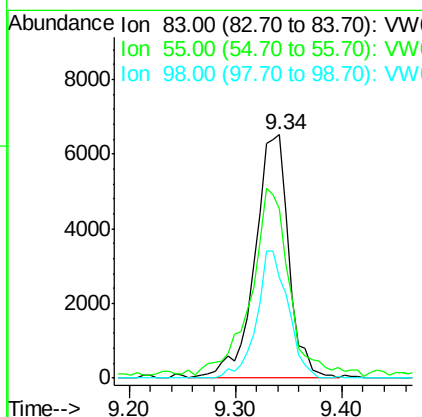
RT: 9.34 min Scan# 1220

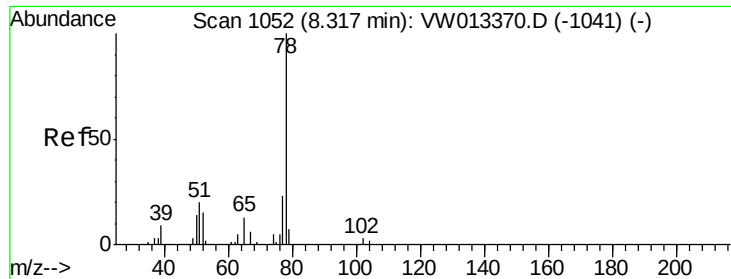
Delta R.T. 0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 17:28

Tgt Ion:	83	Resp:	14584
Ion	Ratio	Lower	Upper
83	100		
55	66.2	60.4	90.6
98	41.4	40.0	60.0





#40

Benzene

Concen: 4.292 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

Tot Ion: 78 Resp: 4335

Ion Ratio Lower Upper

78 100

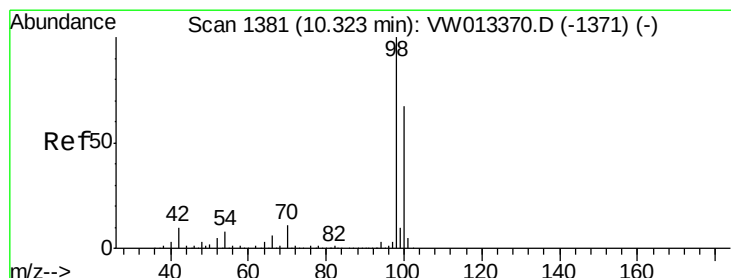
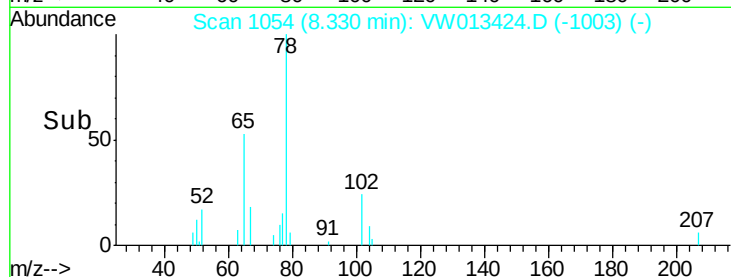
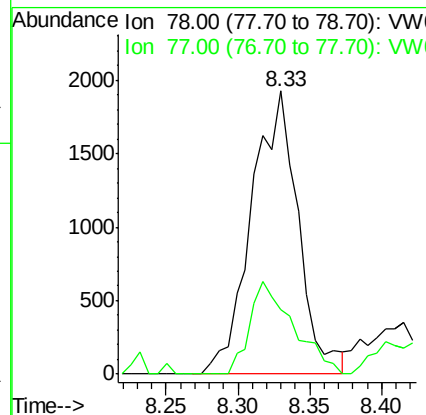
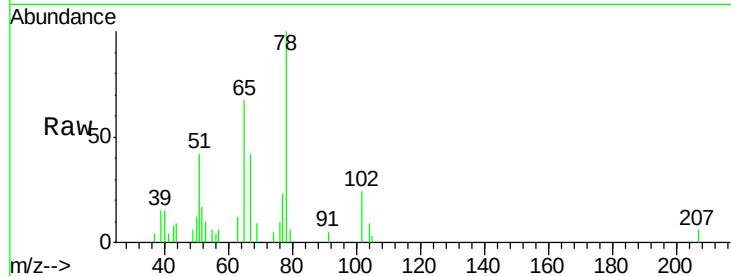
77 22.8 19.1 28.7

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#50

Toluene-d8

Concen: 50.090 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013424.D

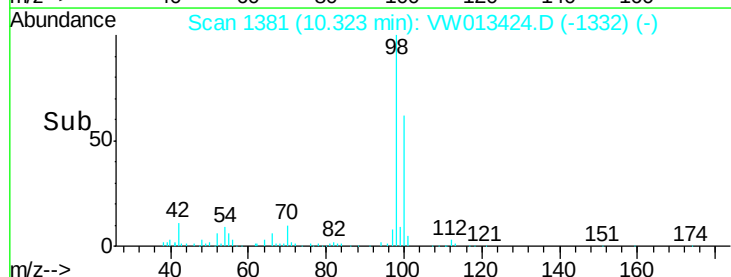
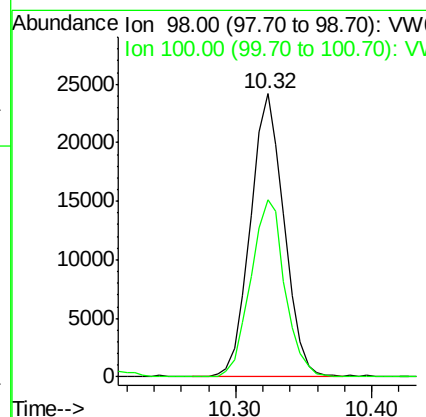
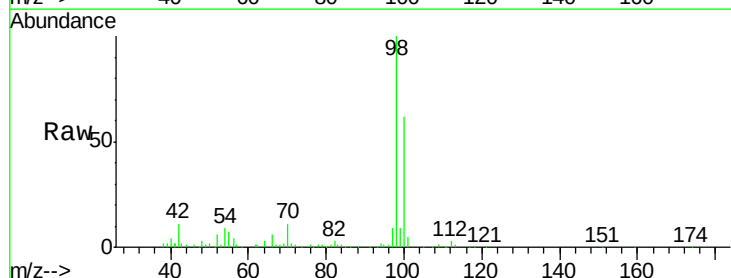
Acq: 03 Oct 2019 17:28

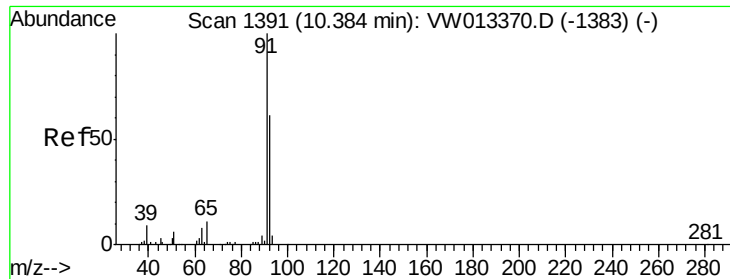
Tgt Ion: 98 Resp: 41895

Ion Ratio Lower Upper

98 100

100 63.7 52.9 79.3





#52

Toluene

Concen: 571.086 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

Tot Ion: 92 Resp: 372006

Ion Ratio Lower Upper

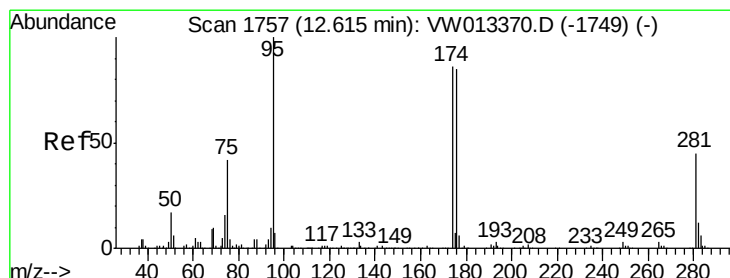
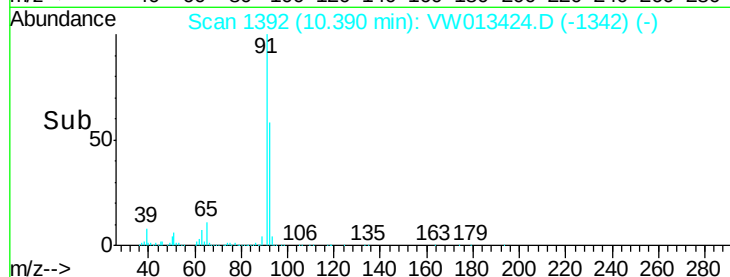
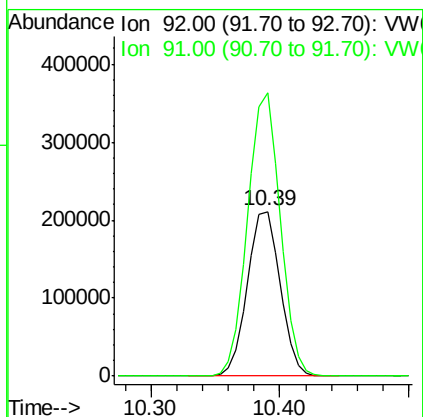
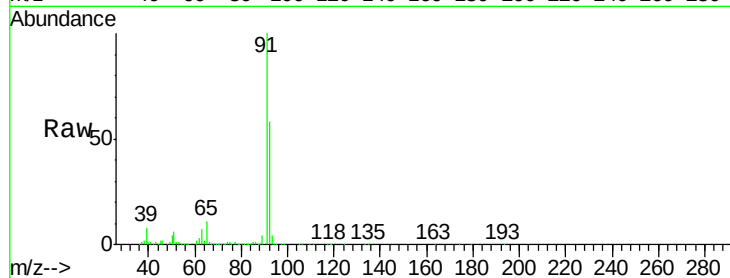
92 100

91 171.1 135.7 203.5

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#62

4-Bromofluorobenzene

Concen: 40.830 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 17:28

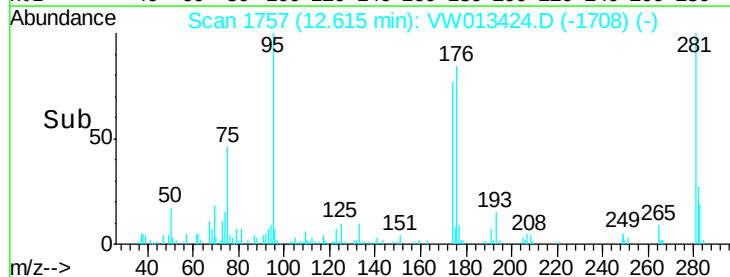
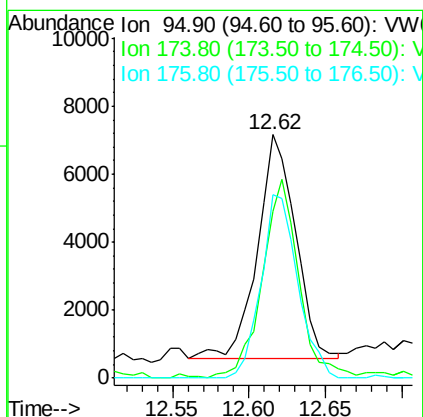
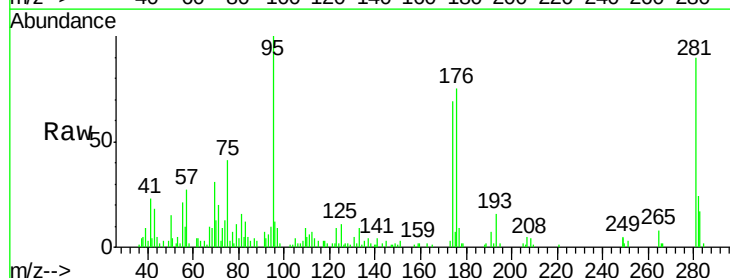
Tgt Ion: 95 Resp: 11404

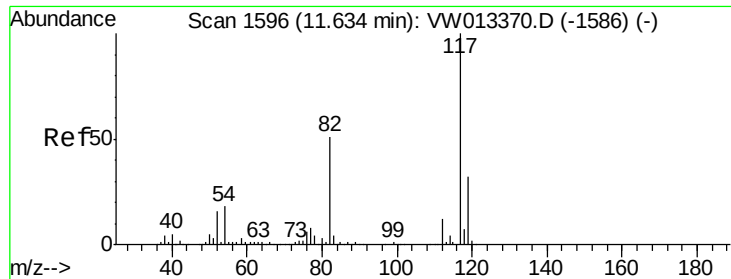
Ion Ratio Lower Upper

95 100

174 85.3 0.0 178.4

176 79.1 0.0 172.2





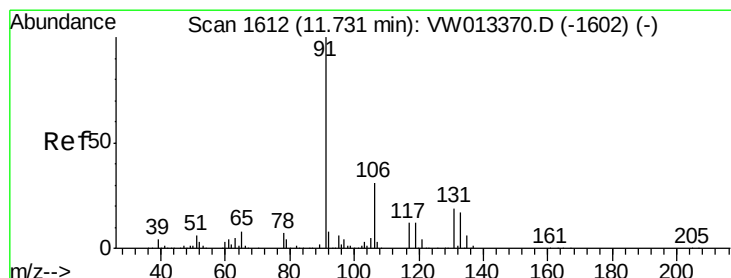
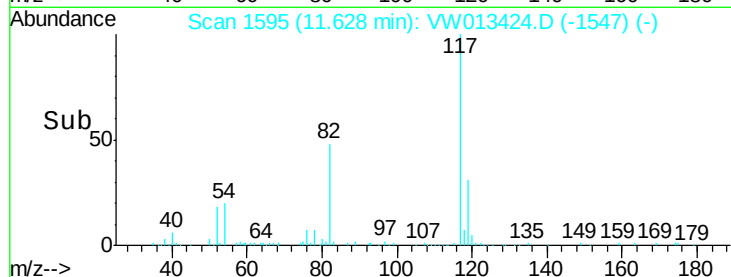
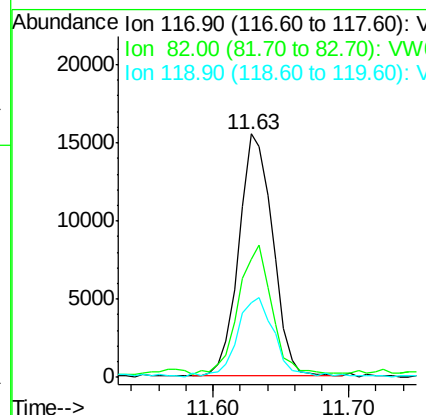
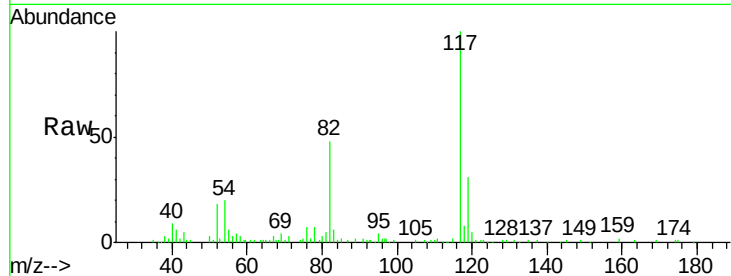
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

Tot Ion	Ratio	Resp	Lower	Upper
117	100	26916		
82	47.4		45.9	68.9
119	29.7		26.2	39.2

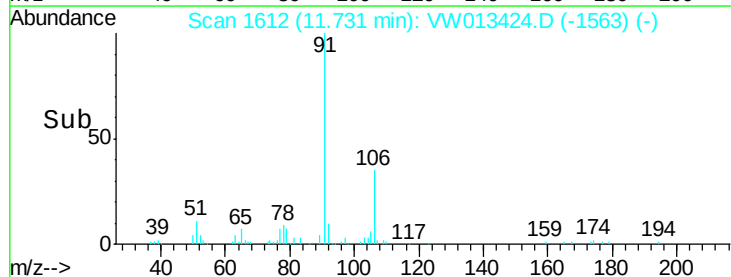
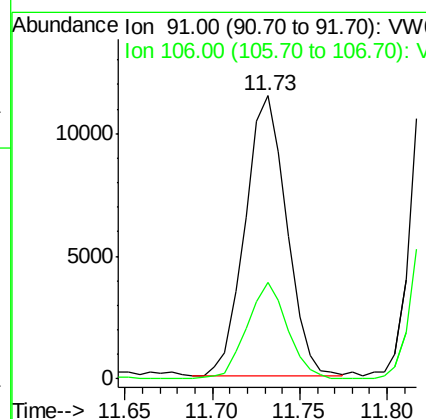
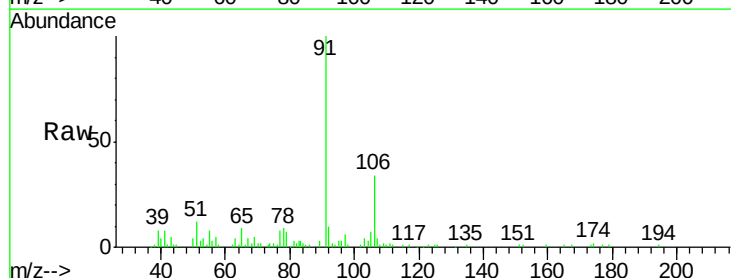
Manual Integrations
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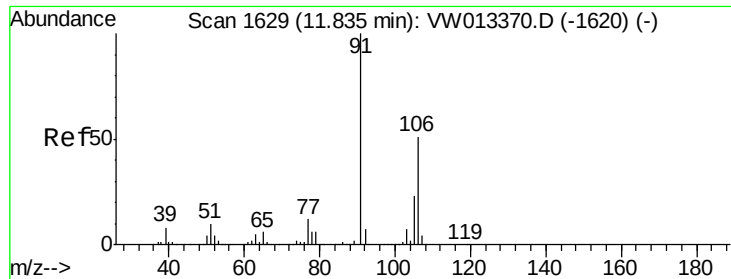
MMDadoda
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#67
Ethyl Benzene
Concen: 19.107 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	18883		
106	34.6		24.9	37.3





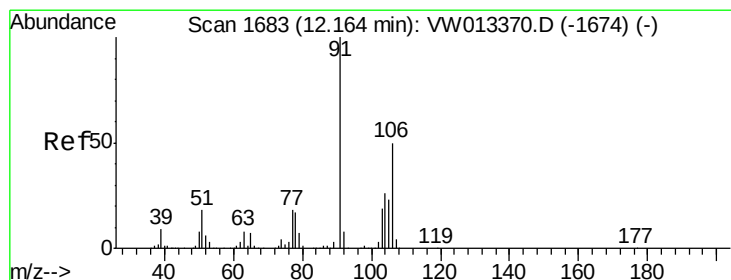
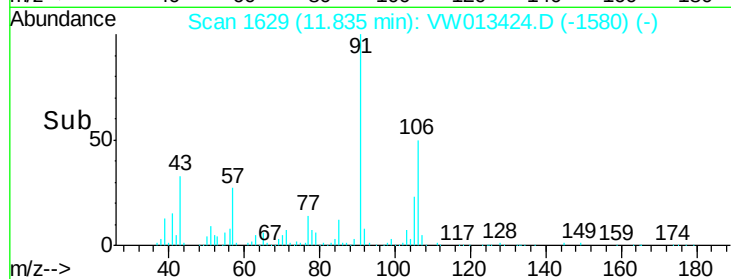
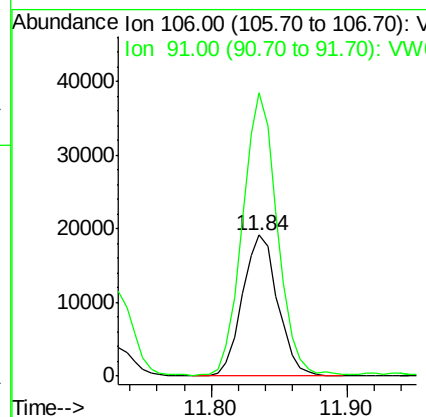
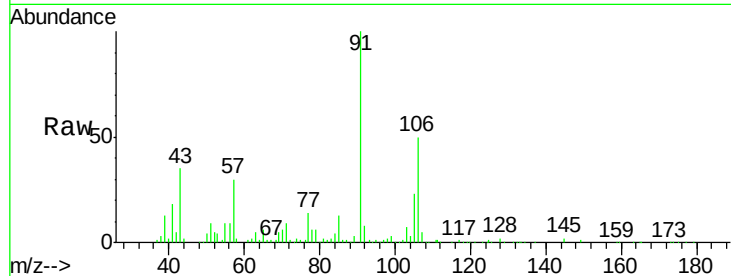
#68
m/p-Xylenes
Concen: 91.056 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Instrument :
MSVOA_W
ClientSampled :
30459-61RE

Tot Ion:106 Resp: 34735
Ion Ratio Lower Upper
106 100
91 195.8 157.9 236.9

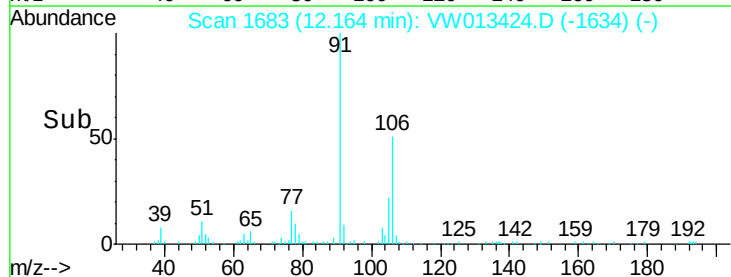
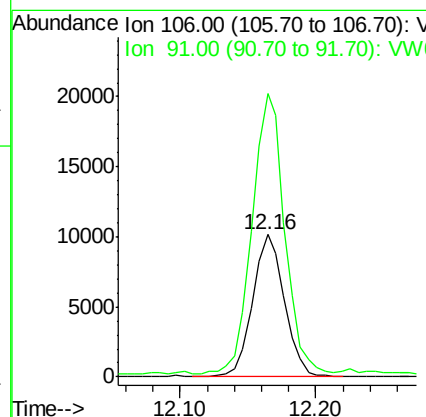
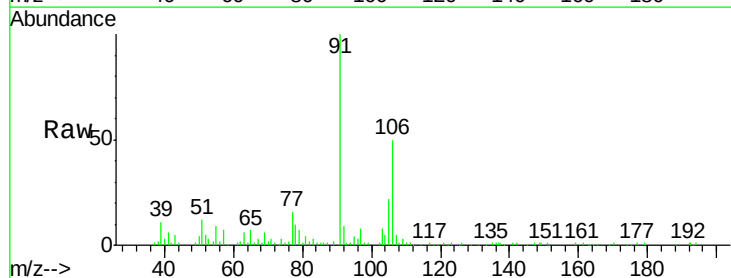
Manual Integrations
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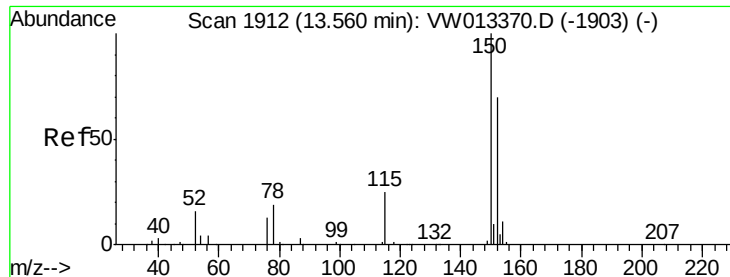
MMDadoda
10/4/2019 12:06:44 PM



#69
o-Xylene
Concen: 47.043 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Tgt Ion:106 Resp: 16592
Ion Ratio Lower Upper
106 100
91 201.8 106.5 319.5





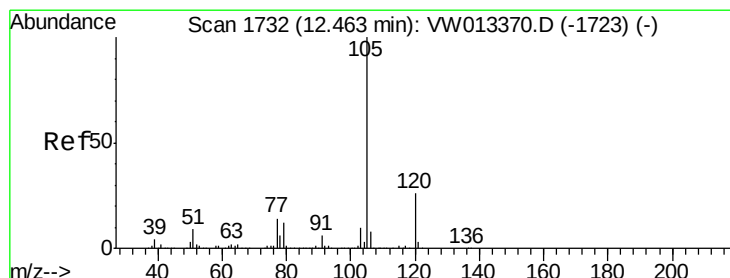
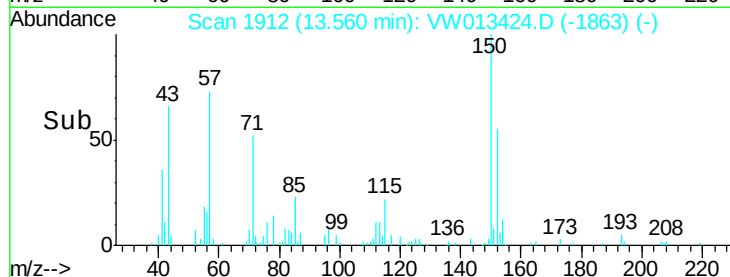
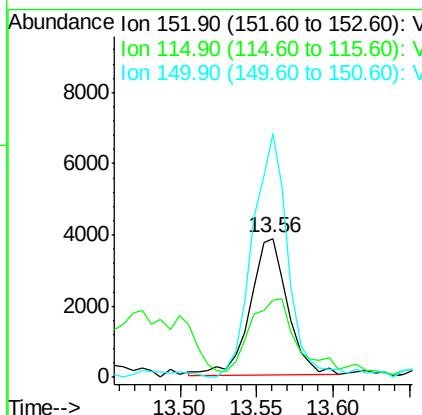
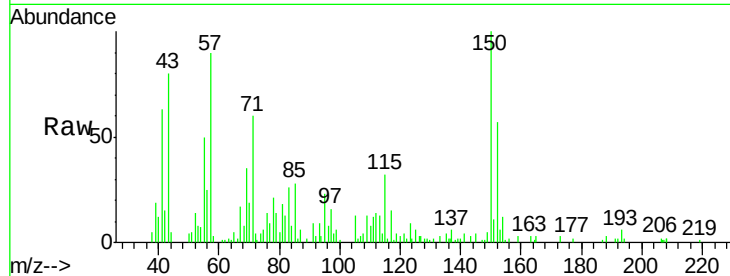
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	71.4	27.3	81.9
150	167.8	0.0	349.0

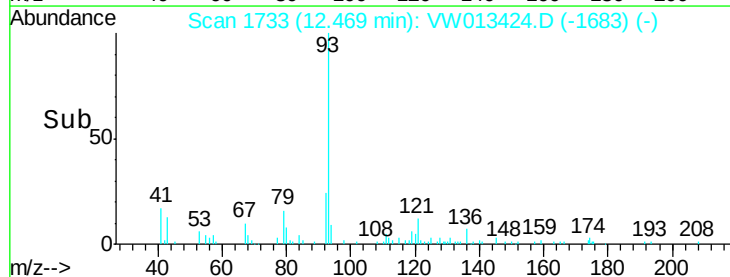
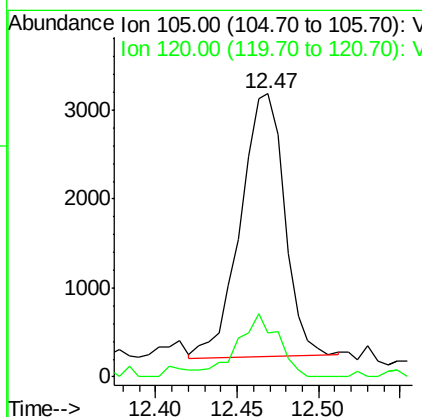
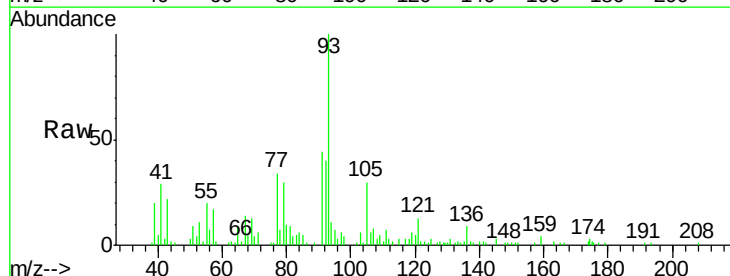
Manual Integrations
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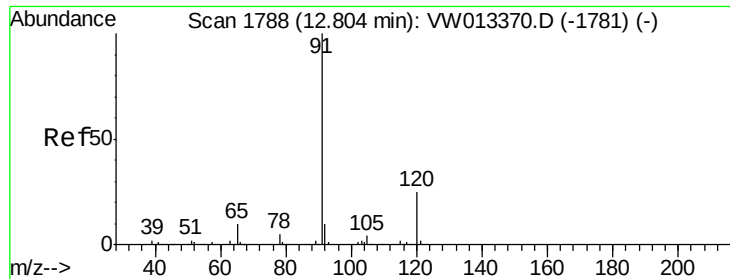
MMDadoda
 10/4/2019 12:06:44 PM



#73
 Isopropylbenzene
 Concen: 11.587 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.01 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 17:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.5	13.4	40.1





#78

n-propylbenzene

Concen: 14.478 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

Tot Ion: 91 Resp: 8001

Ion Ratio Lower Upper

91 100

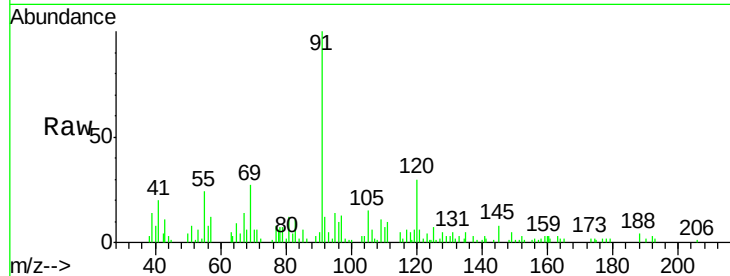
120 31.8 11.7 35.1

Manual Integrations

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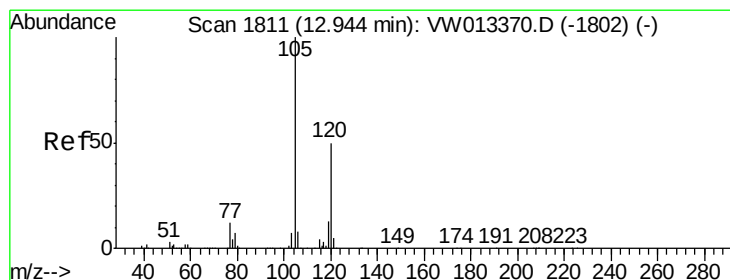
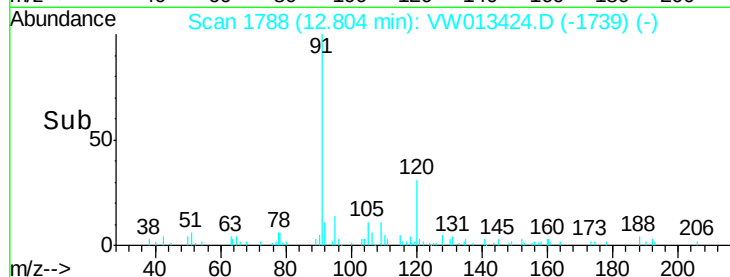
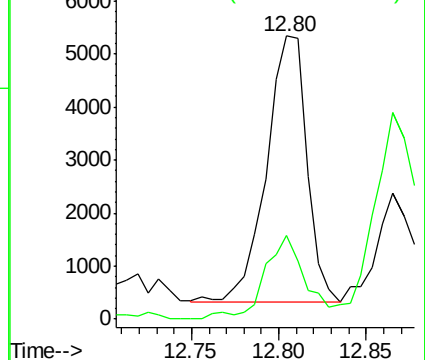
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 29.778 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013424.D

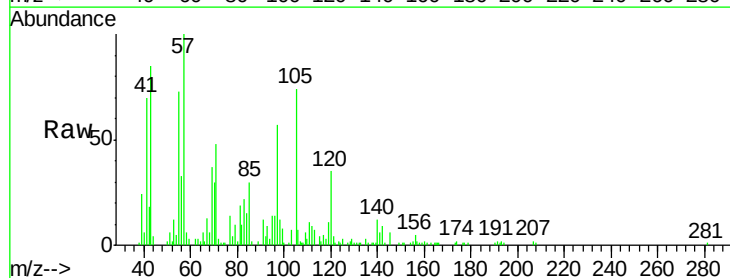
Acq: 03 Oct 2019 17:28

Tgt Ion: 105 Resp: 11884

Ion Ratio Lower Upper

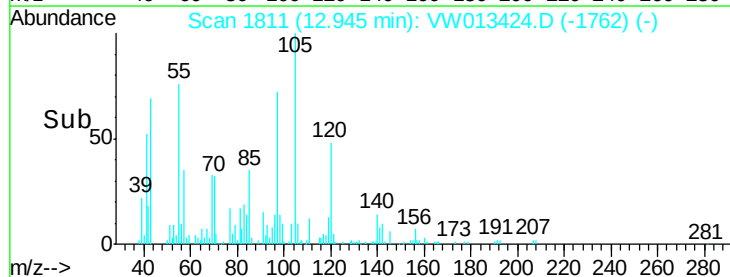
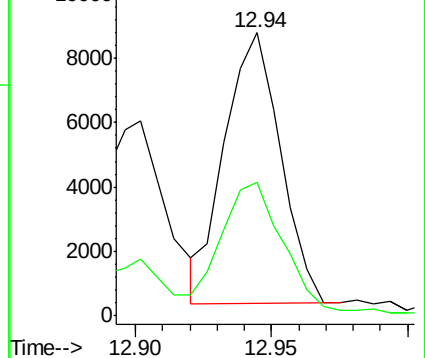
105 100

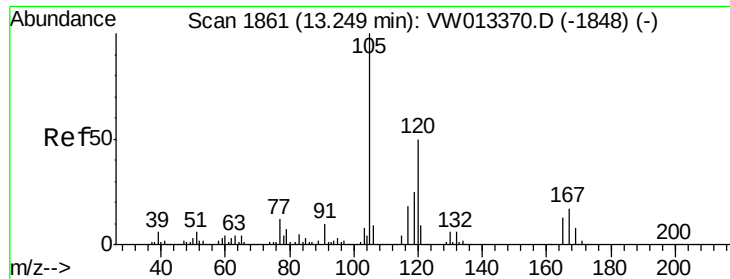
120 55.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





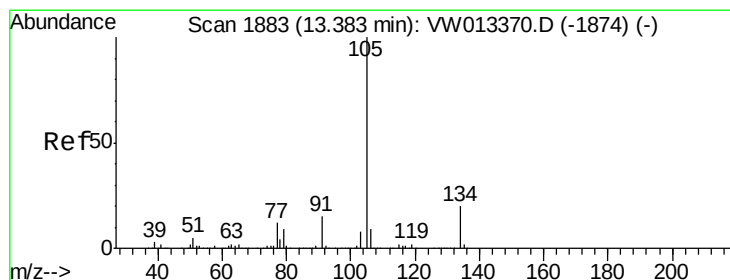
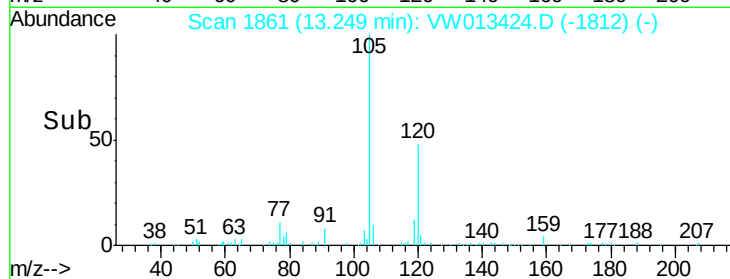
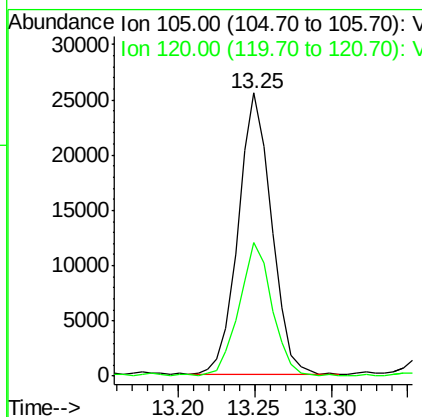
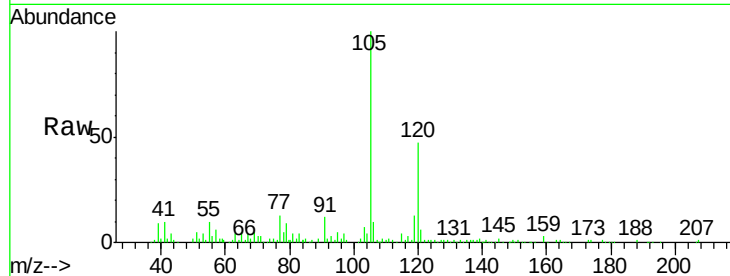
#84
 1,2,4-Trimethylbenzene
 Concen: 96.846 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

Tot Ion:105 Resp: 38423
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3

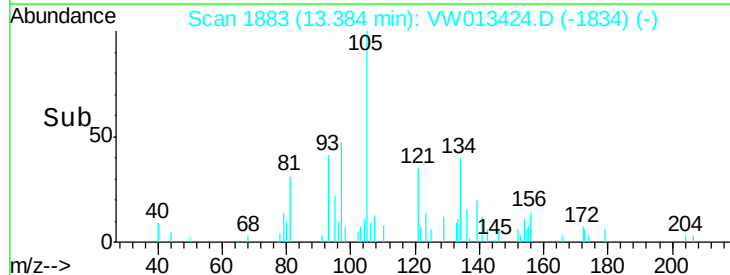
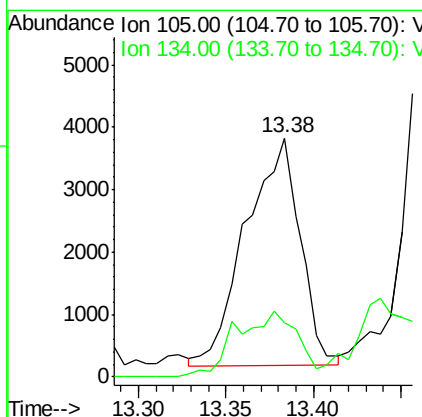
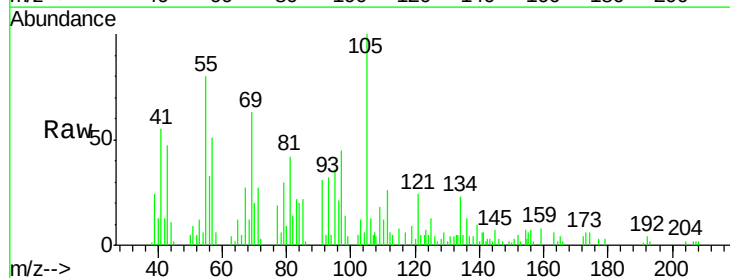
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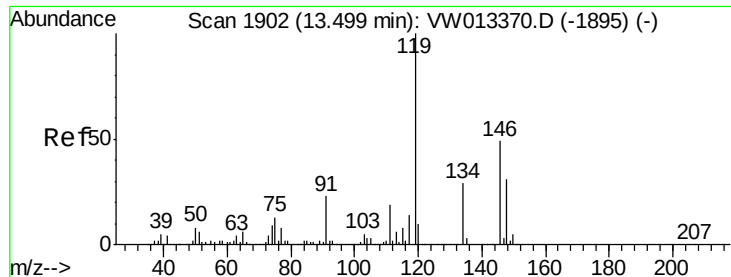
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#85
 sec-Butylbenzene
 Concen: 16.360 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 17:28

Tgt Ion:105 Resp: 7863
 Ion Ratio Lower Upper
 105 100
 134 32.3 10.3 30.8#





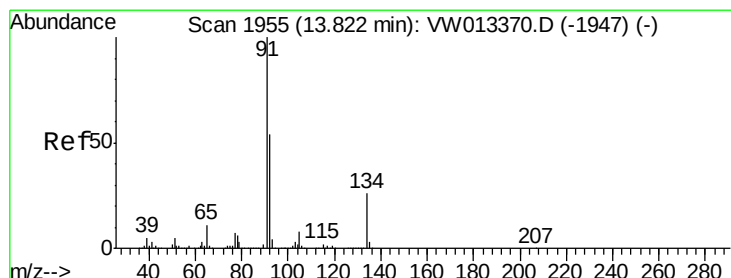
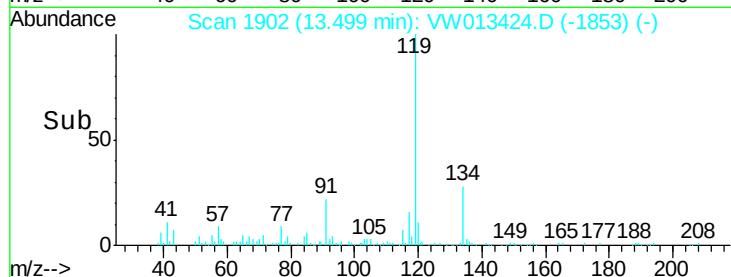
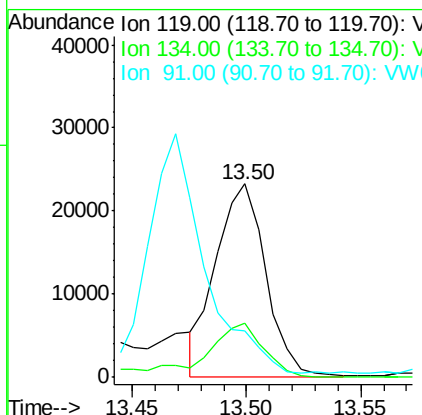
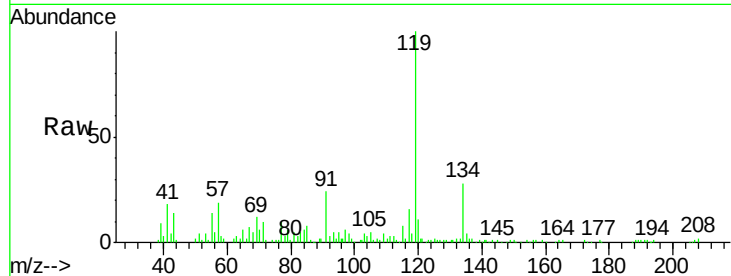
#86
p-Isopropyltoluene
Concen: 80.503 ug/l m
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	31.5	13.3	39.8
91	0.0	10.8	32.4#

Manual Integrations
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#89
n-Butylbenzene
Concen: 16.722 ug/l m
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 17:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	27.6	82.8
134	0.0	13.7	41.1#

