

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015263.D
 Acq On : 21 Apr 2020 15:32
 Operator : SY/VA
 Sample : L2323-01
 Misc : 6.83G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-20

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:42:17 AM

Quant Time: Apr 22 07:01:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	199607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	285009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	108265	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	80951	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.88	113	81512	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.32	98	339992	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.62	95	109773	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.92	84	9753m	5.220	ug/l	
39) Methylcyclohexane	9.34	83	43963	12.840	ug/l	96
52) Toluene	10.38	92	13373	2.781	ug/l	98
67) Ethyl Benzene	11.73	91	27178	2.991	ug/l	97
68) m/p-Xylenes	11.84	106	12660	3.554	ug/l	99
69) o-Xylene	12.16	106	47067	14.156	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	87771	13.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	30119	4.722	ug/l	99
86) p-Isopropyltoluene	13.49	119	13177	1.817	ug/l	99
89) n-Butylbenzene	13.77	91	13130m	1.981	ug/l	
95) Naphthalene	15.36	128	482517	144.927	ug/l	99

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

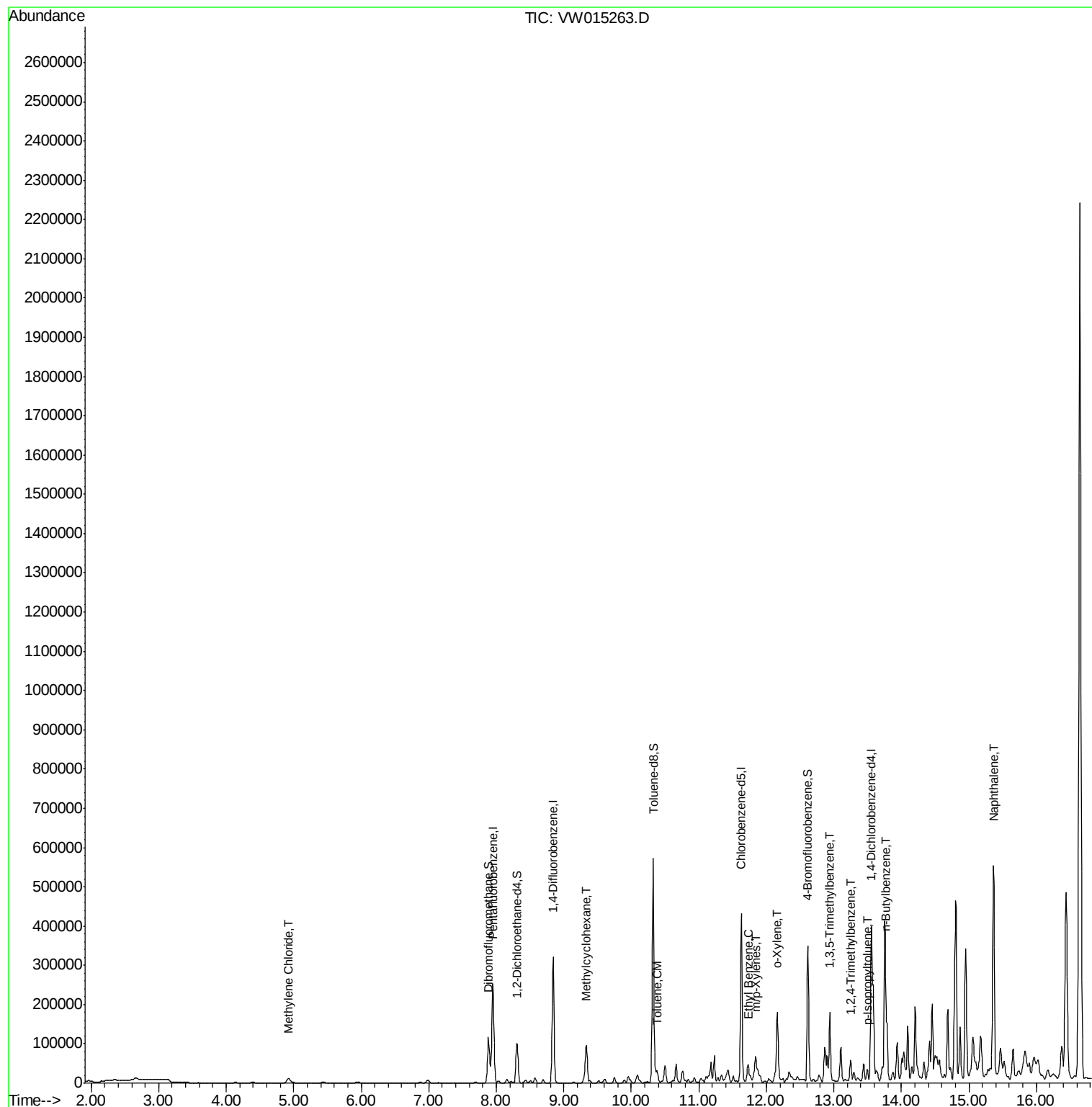
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042120\
Data File : VW015263.D
Acq On : 21 Apr 2020 15:32
Operator : SY/VA
Sample : L2323-01
Misc : 6.83G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

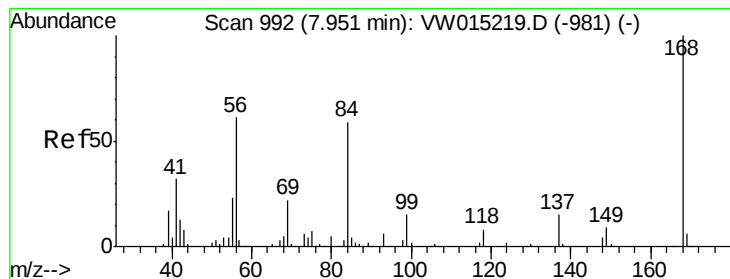
Instrument :
MSVOA_W
ClientSampleId :
TP-20

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Quant Time: Apr 22 07:01:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015263.D

Acq: 21 Apr 2020 15:32

Instrument :

MSVOA_W

ClientSampled :

TP-20

Tot Ion:168 Resp: 199607

Ion Ratio Lower Upper

168 100

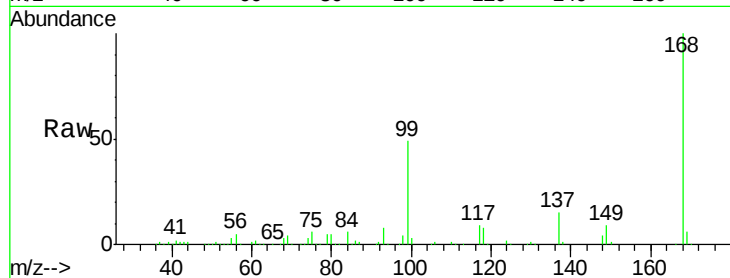
99 49.2 48.5 72.7

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

100000

80000

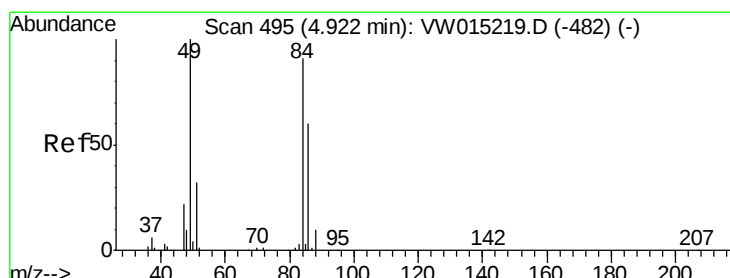
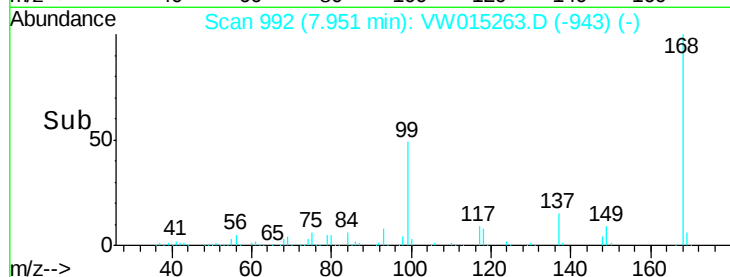
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 5.220 ug/l m

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW015263.D

Acq: 21 Apr 2020 15:32

Tgt Ion: 84 Resp: 9753

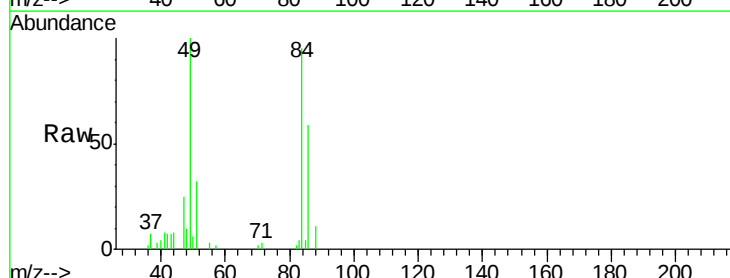
Ion Ratio Lower Upper

84 100

49 105.5 95.4 143.0

51 33.9 29.8 44.8

86 62.5 47.4 71.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.92

5000

4000

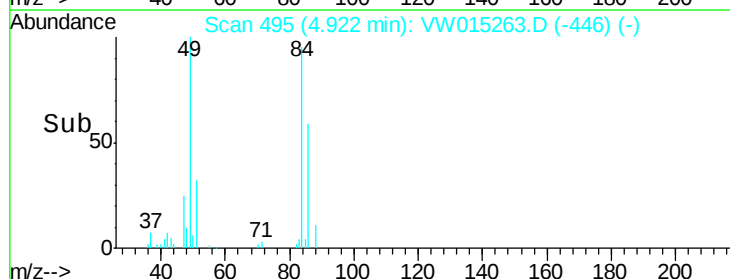
3000

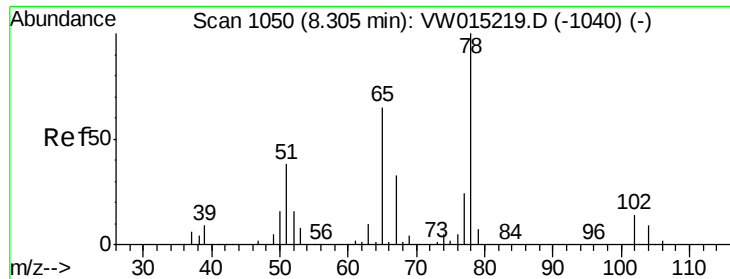
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1000

0

Time-->





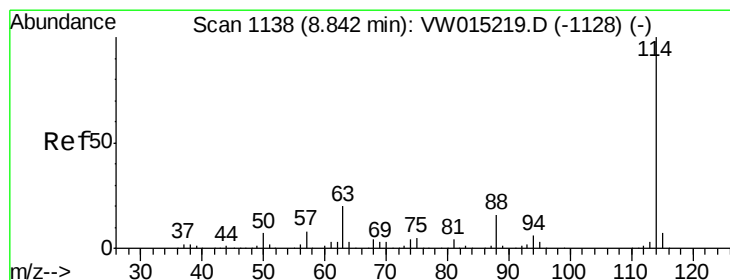
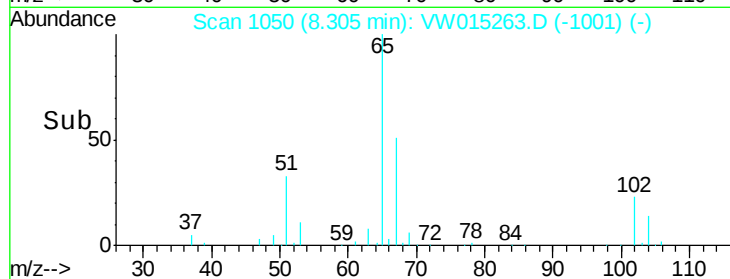
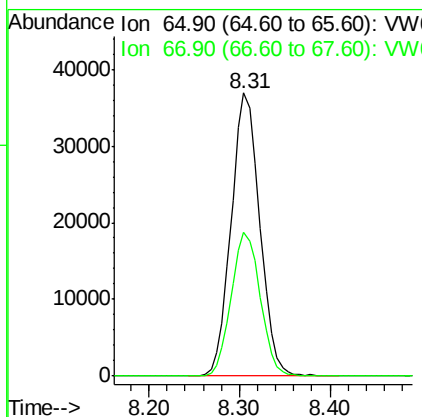
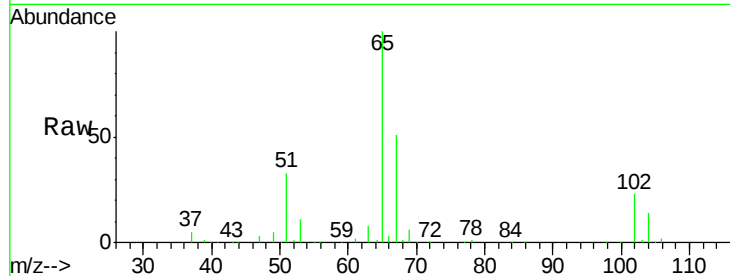
#33
 1,2-Dichloroethane-d4
 Concen: 49.594 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015263.D
 Acq: 21 Apr 2020 15:32

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-20

Tot Ion	Ratio	Resp	Lower	Upper
65	100	80951		
67	51.6		0.0	107.0

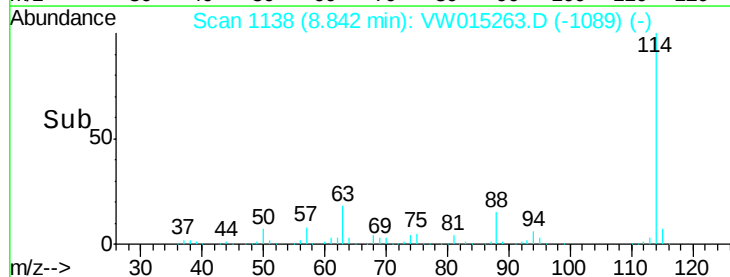
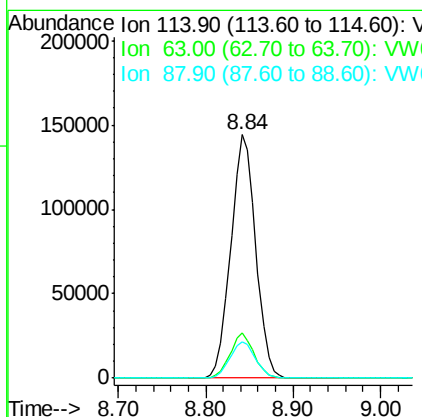
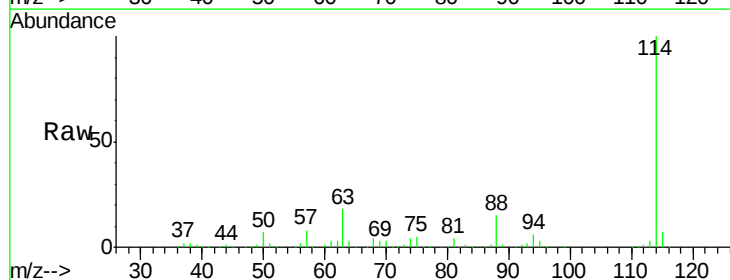
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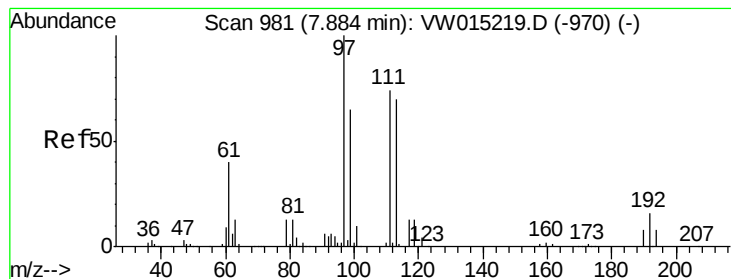
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015263.D
 Acq: 21 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	285009		
63	18.3		0.0	39.8
88	15.0		0.0	30.2





#35

Dibromofluoromethane

Concen: 51.632 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015263.D

Acq: 21 Apr 2020 15:32

Instrument :

MSVOA_W

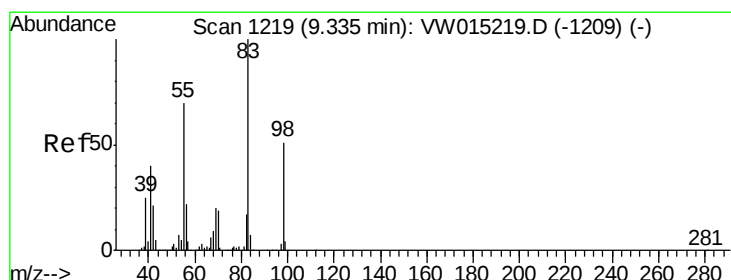
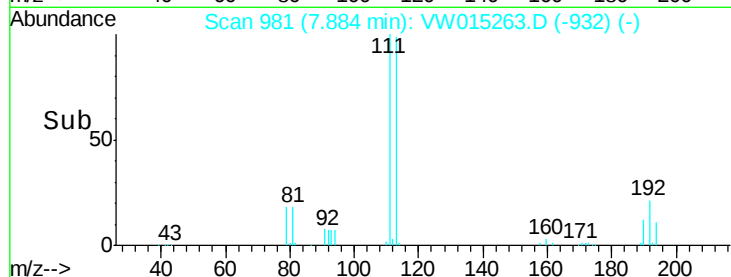
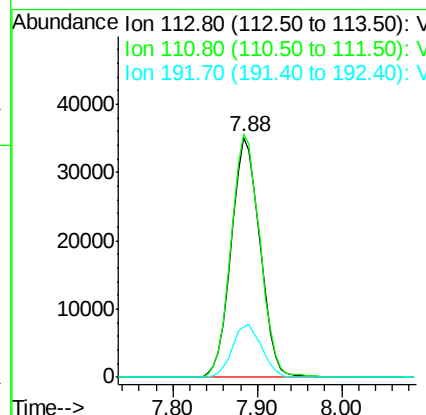
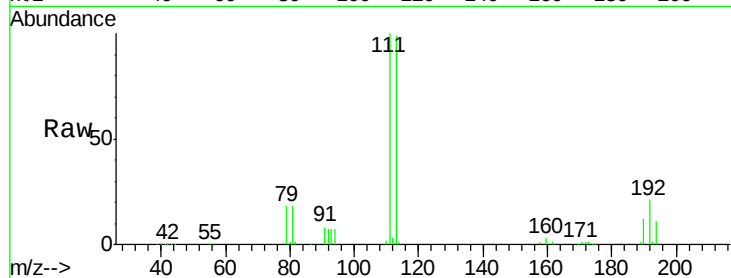
ClientSampled :

TP-20

Tot Ion:	113	Resp:	81512
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.0	124.4
192	22.5	15.1	22.7

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#39

Methylcyclohexane

Concen: 12.840 ug/l

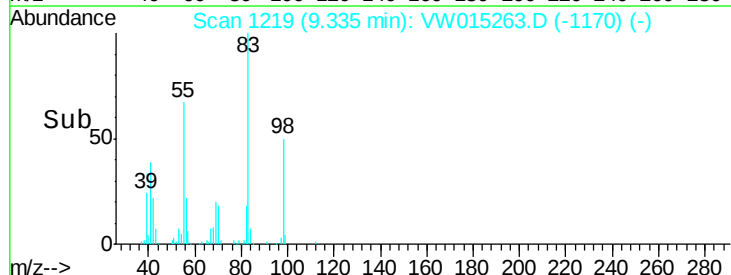
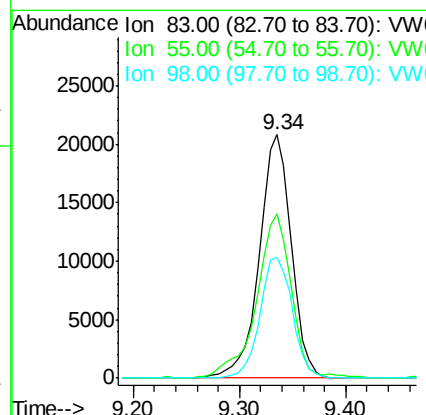
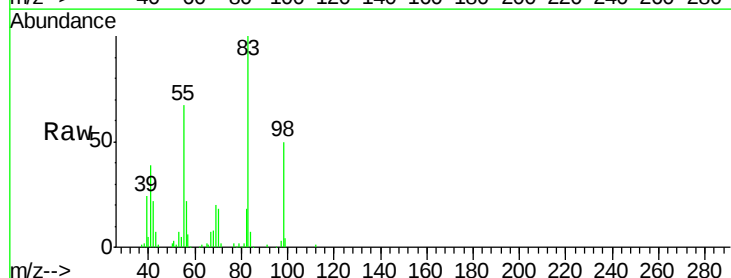
RT: 9.34 min Scan# 1219

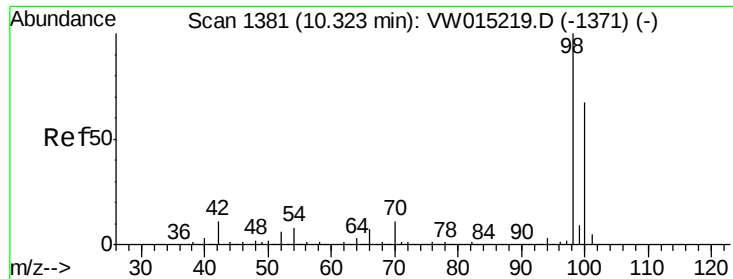
Delta R.T. 0.00 min

Lab File: VW015263.D

Acq: 21 Apr 2020 15:32

Tgt Ion:	83	Resp:	43963
Ion Ratio	Lower	Upper	
83	100		
55	67.0	58.1	87.1
98	49.8	40.2	60.4





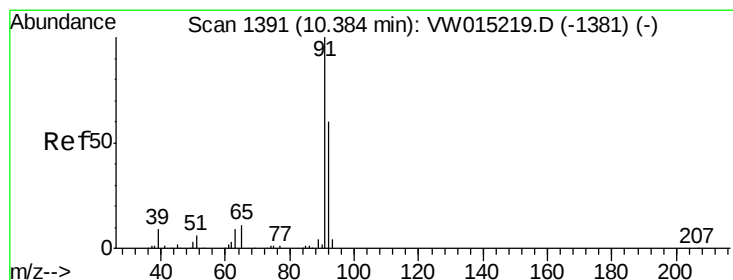
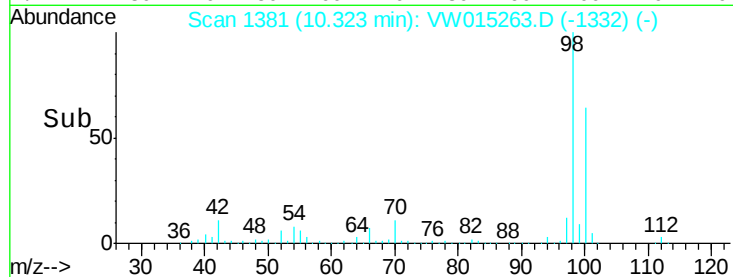
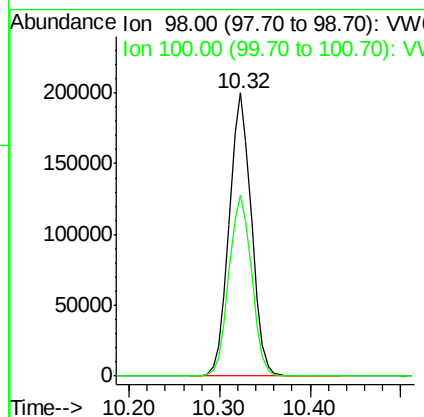
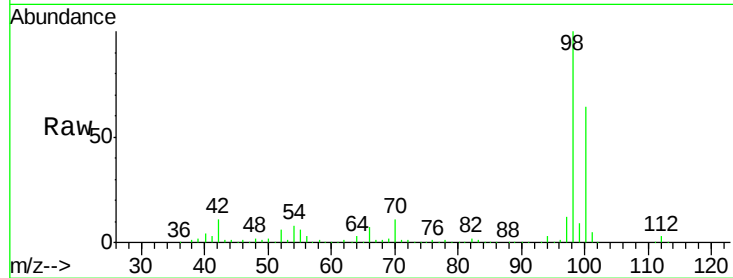
#50
Toluene-d8
Concen: 51.194 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Instrument :
MSVOA_W
ClientSampled :
TP-20

Tot Ion: 98 Resp: 339992
Ion Ratio Lower Upper
98 100
100 65.1 52.9 79.3

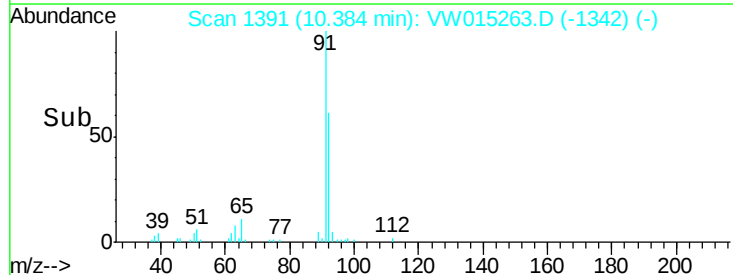
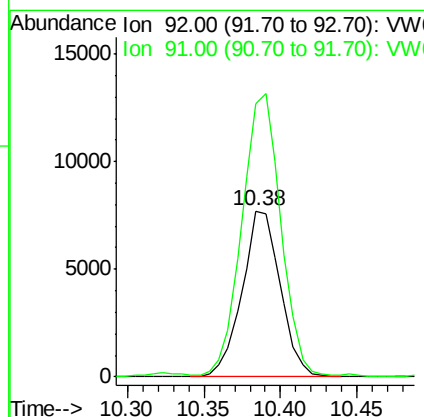
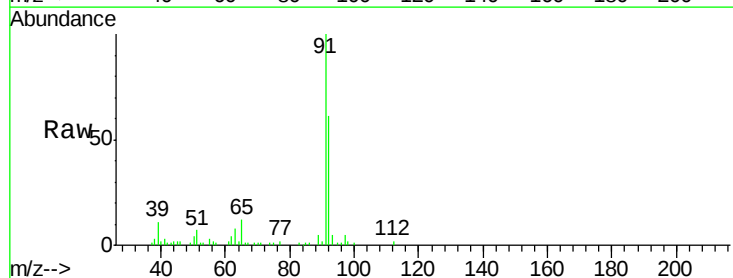
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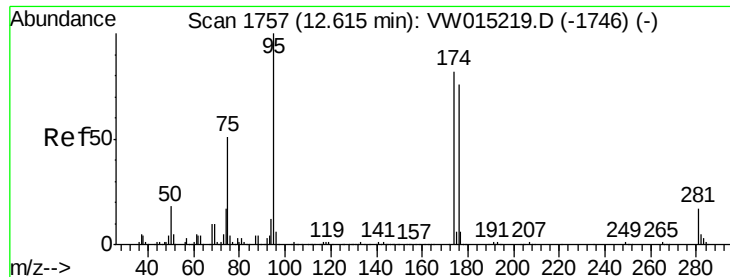
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#52
Toluene
Concen: 2.781 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Tgt Ion: 92 Resp: 13373
Ion Ratio Lower Upper
92 100
91 174.8 137.1 205.7





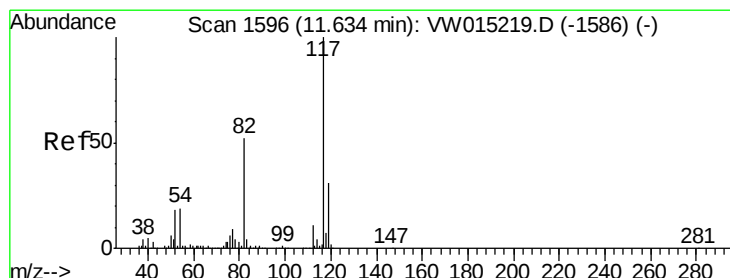
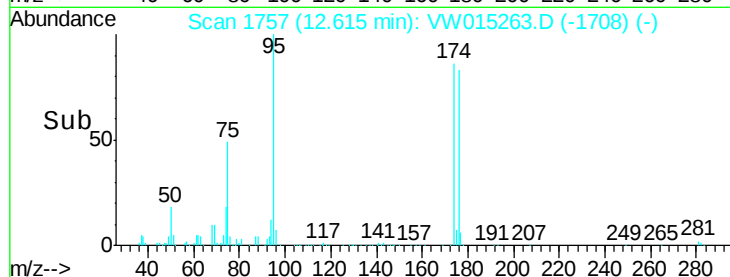
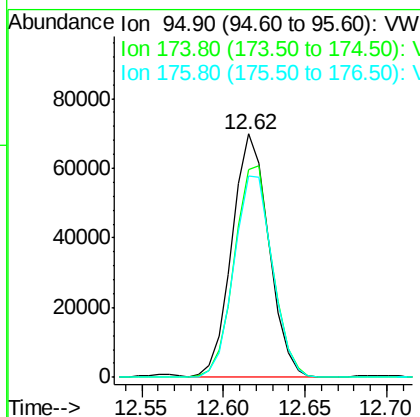
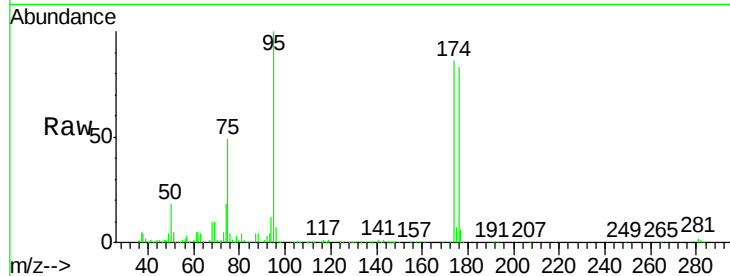
#62
4-Bromofluorobenzene
Concen: 43.321 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Instrument :
MSVOA_W
ClientSampleId :
TP-20

Tot Ion	Ratio	Resp	Lower	Upper
95	100	109773		
174	89.8	0.0	144.4	
176	87.0	0.0	140.6	

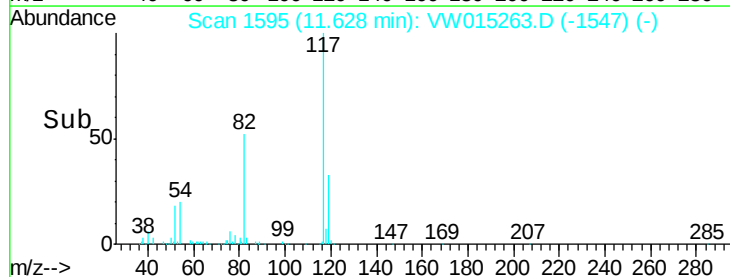
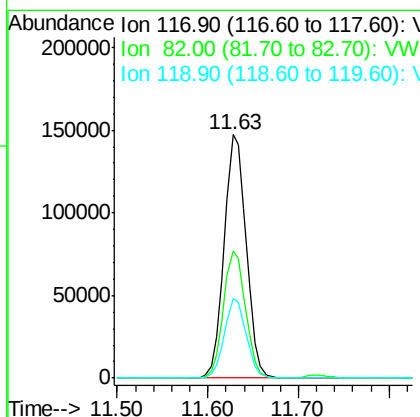
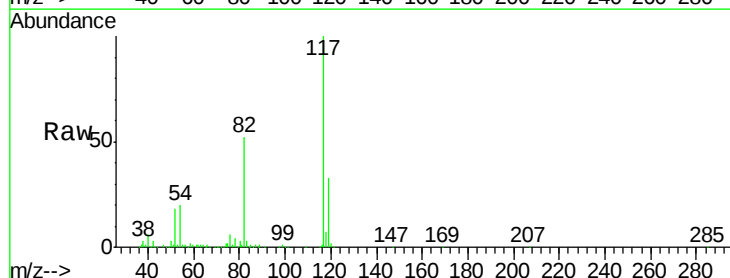
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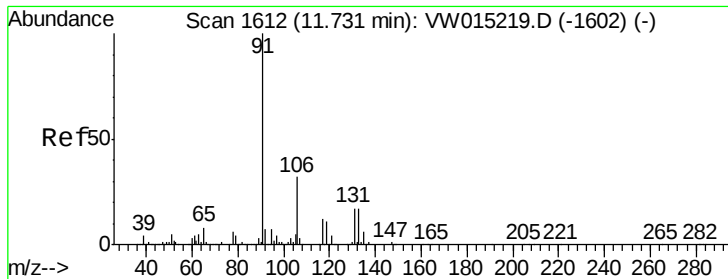
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	248335		
82	52.1	44.1	66.1	
119	32.6	24.9	37.3	





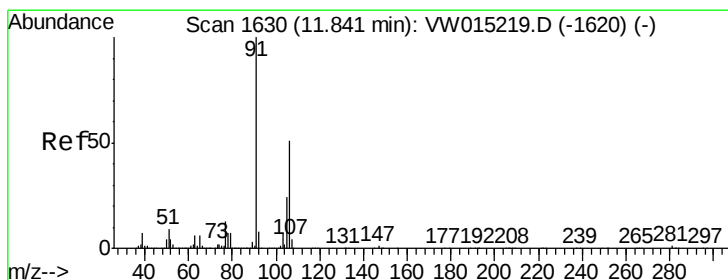
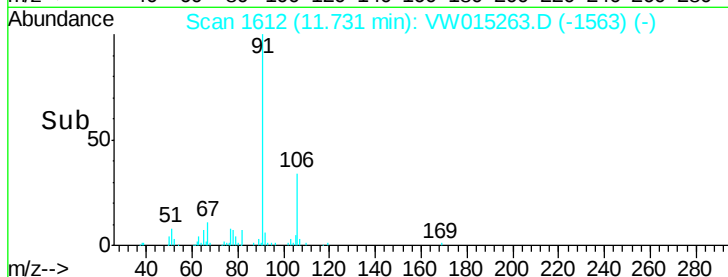
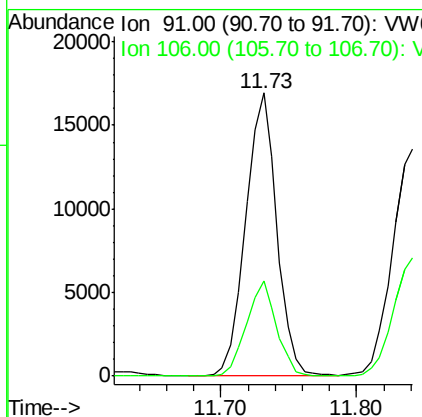
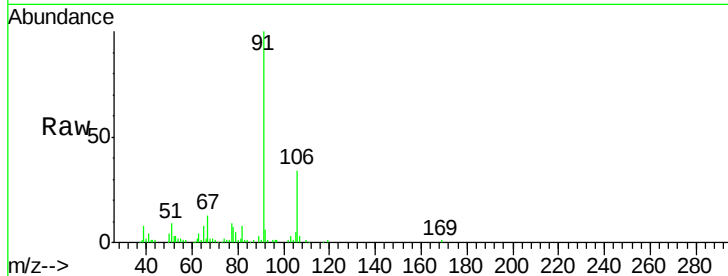
#67
Ethyl Benzene
Concen: 2.991 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Instrument :
MSVOA_W
ClientSampled :
TP-20

Tot Ion: 91 Resp: 27178
Ion Ratio Lower Upper
91 100
106 33.6 25.7 38.5

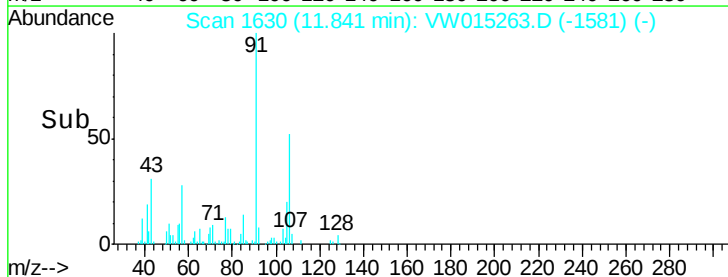
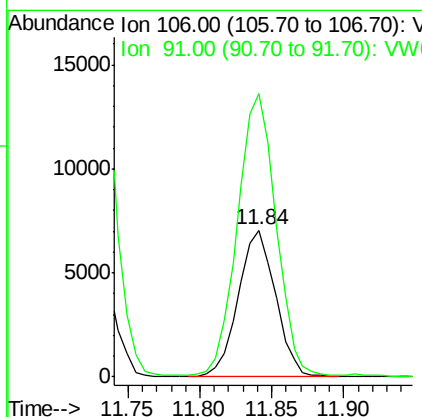
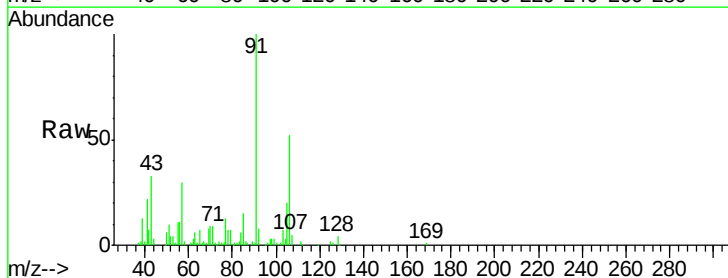
Manual Integrations
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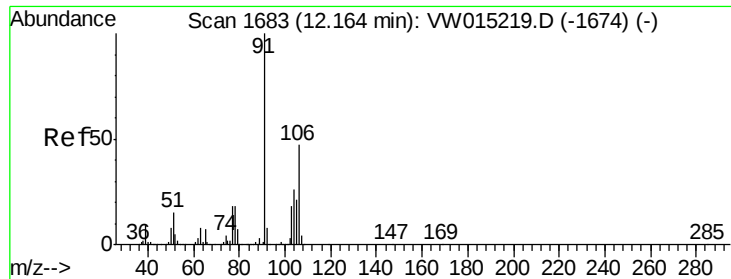
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#68
m/p-Xylenes
Concen: 3.554 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Tgt Ion: 106 Resp: 12660
Ion Ratio Lower Upper
106 100
91 198.0 160.0 240.0





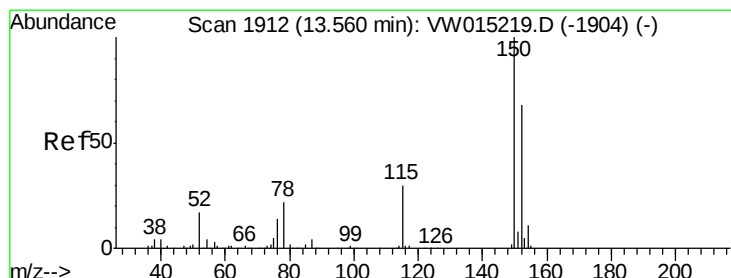
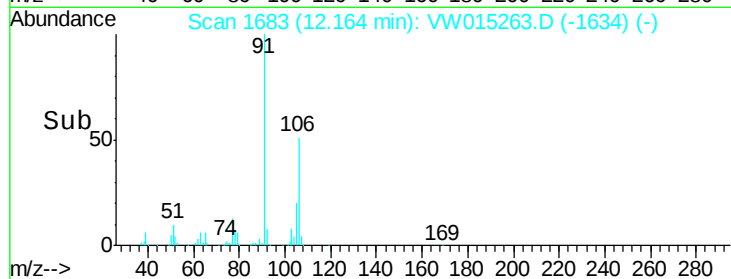
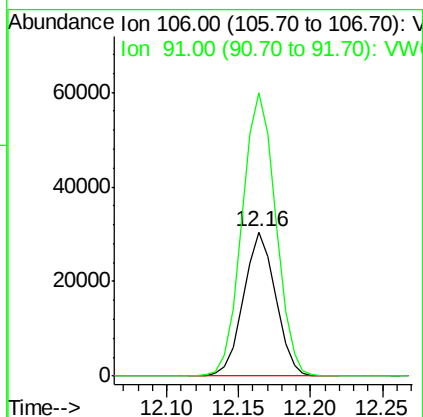
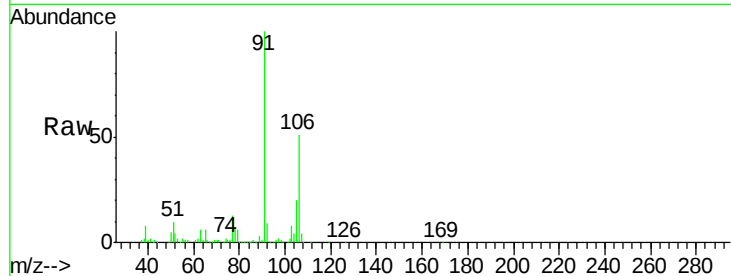
#69
o-Xylene
Concen: 14.156 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Instrument :
MSVOA_W
ClientSampled :
TP-20

Tot Ion:106 Resp: 47067
Ion Ratio Lower Upper
106 100
91 206.1 105.7 317.1

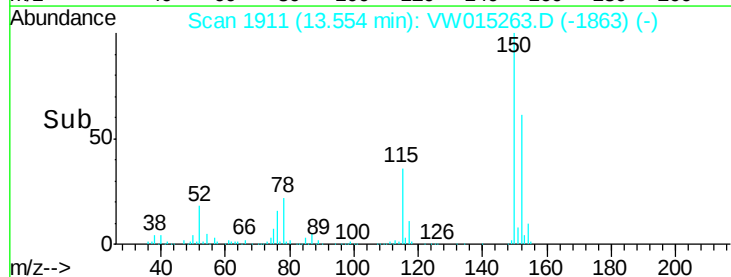
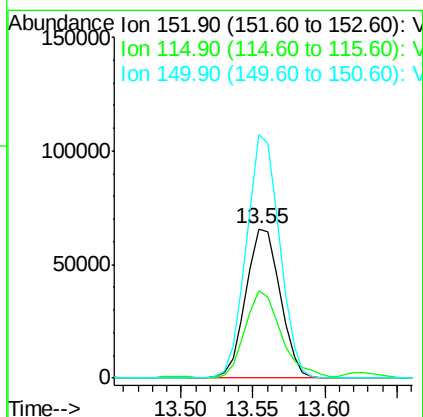
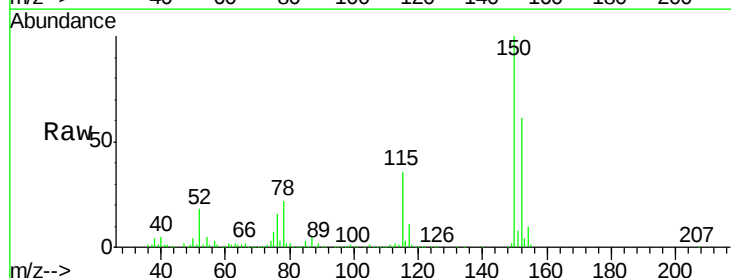
Manual Integrations
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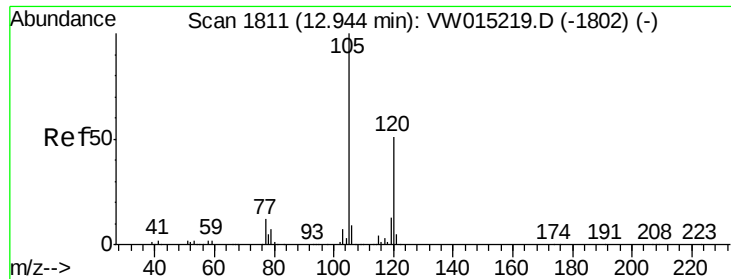
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Tgt Ion:152 Resp: 108265
Ion Ratio Lower Upper
152 100
115 61.5 31.3 93.9
150 157.8 0.0 343.4





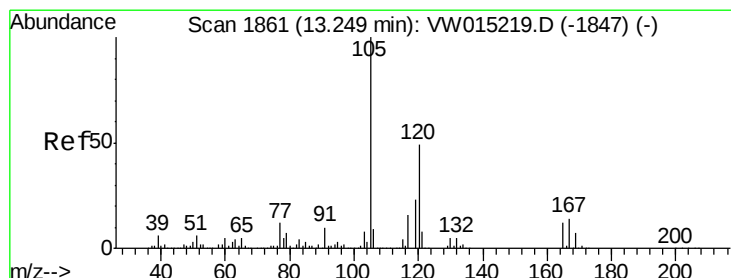
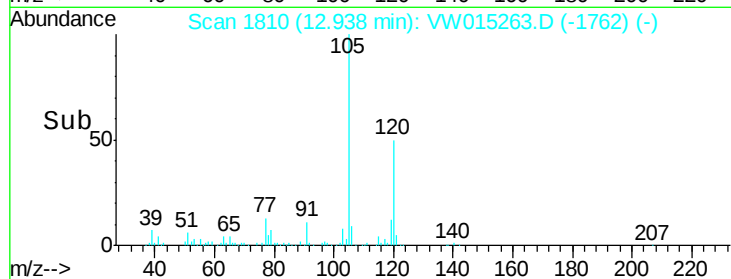
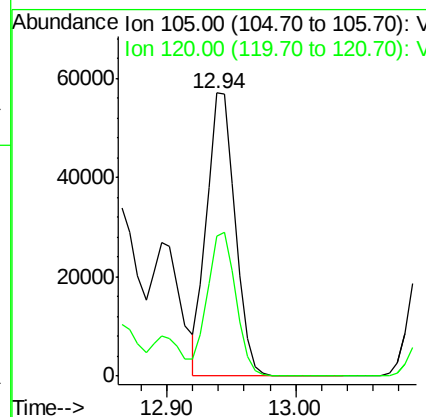
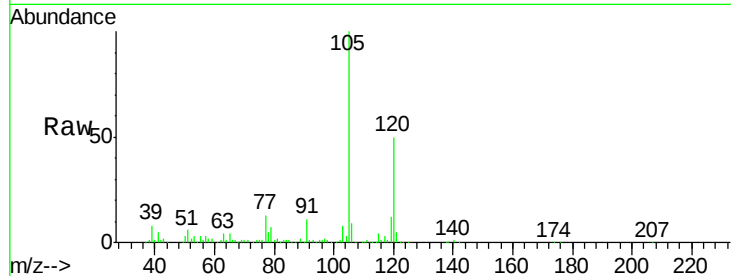
#80
 1,3,5-Trimethylbenzene
 Concen: 13.574 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW015263.D
 Acq: 21 Apr 2020 15:32

Instrument :
 MSVOA_W
 ClientSampled :
 TP-20

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.8	24.9	74.8

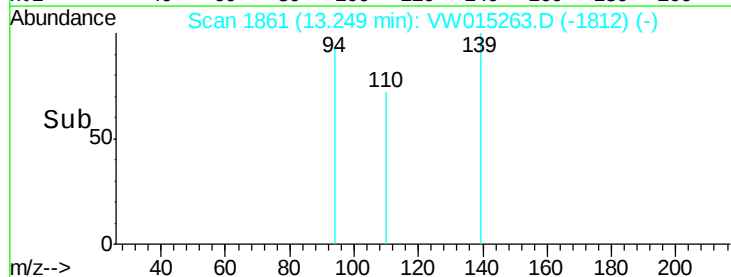
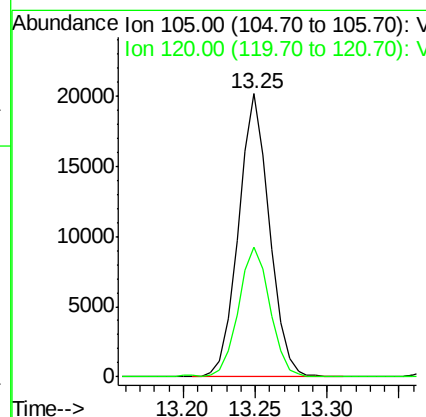
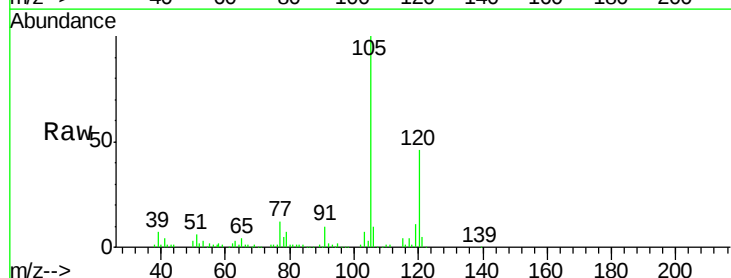
Manual Integrations
 APPROVED

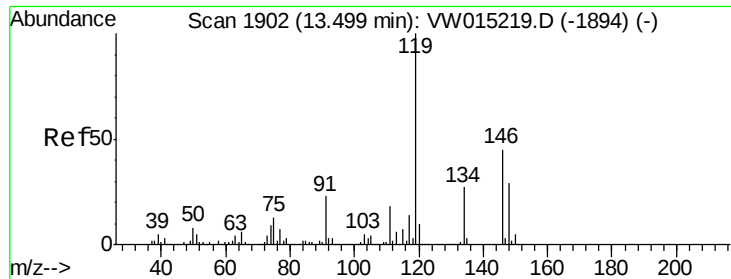
MMDadoda
 4/22/2020 11:42:17 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.722 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015263.D
 Acq: 21 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0





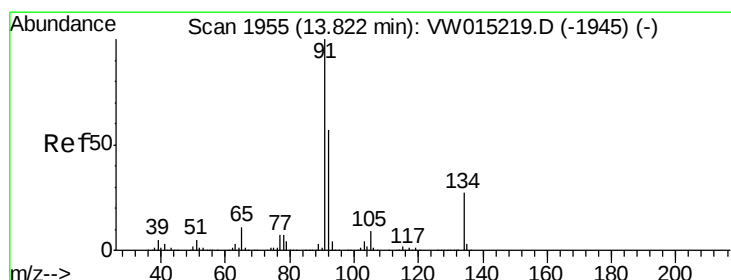
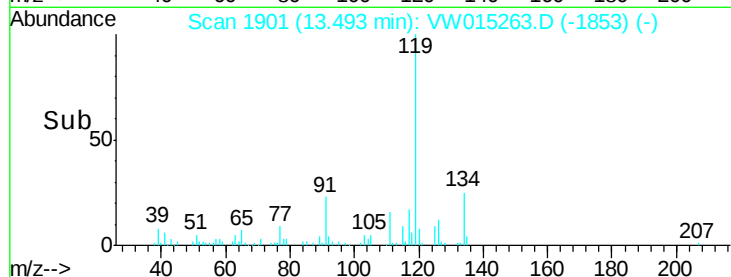
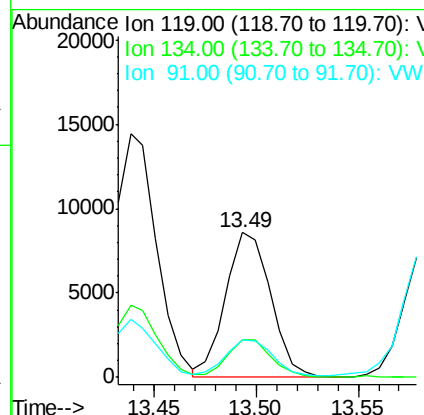
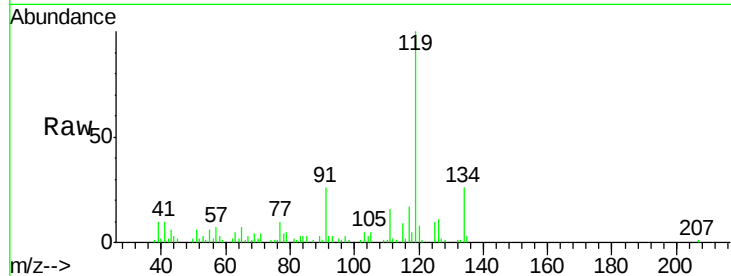
#86
 p-Isopropyltoluene
 Concen: 1.817 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW015263.D
 Acq: 21 Apr 2020 15:32

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-20

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.3	39.9
91	24.4	12.0	36.1

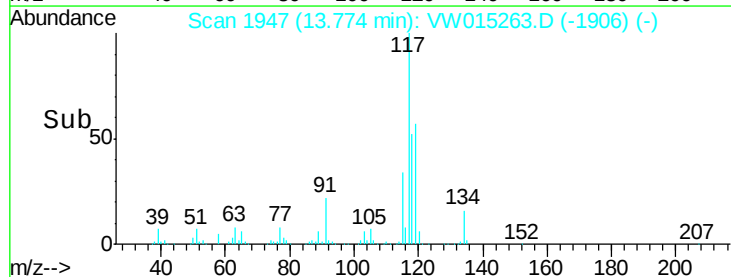
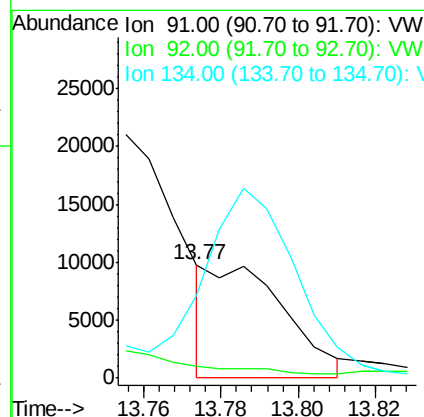
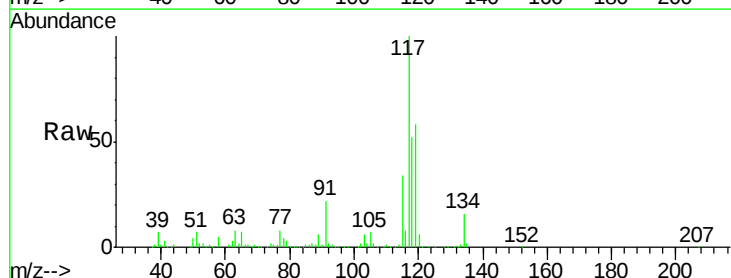
Manual Integrations
 APPROVED

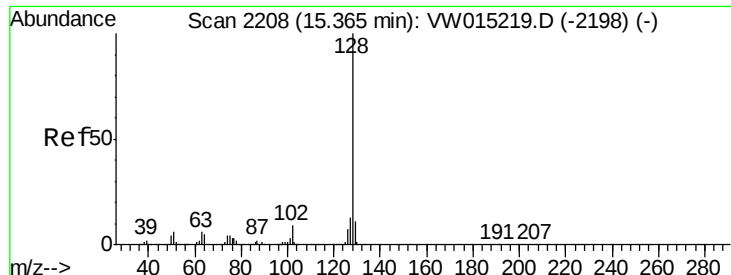
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 4/22/2020 11:42:17 AM



#89
 n-Butylbenzene
 Concen: 1.981 ug/l m
 RT: 13.77 min Scan# 1947
 Delta R.T. -0.05 min
 Lab File: VW015263.D
 Acq: 21 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.1	27.6	82.7
134	30.9	12.8	38.3





#95
Naphthalene
Concen: 144.927 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015263.D
Acq: 21 Apr 2020 15:32

Instrument :
MSVOA_W
ClientSampleId :
TP-20

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/22/2020 11:42:17 AM

