

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013944.D
 Acq On : 08 Nov 2019 15:02
 Operator : SY/VA
 Sample : K5742-05
 Misc : 8.43G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-(14-15)

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:58:42 PM

Quant Time: Nov 09 03:59:27 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	7.95	168	233382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	395413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	350556	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.56	152	204537	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.21	65	905809m	517.38	ug/l	-0.09
Spiked Amount	50.000		Recovery	= 1034.76%		
35) Dibromofluoromethane	7.88	113	106714	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	= 97.14%		
50) Toluene-d8	10.36	98	9726839	1086.46	ug/l	0.04
Spiked Amount	50.000		Recovery	= 2172.92%		
62) 4-Bromofluorobenzene	12.62	95	686558	226.48	ug/l	0.00
Spiked Amount	50.000		Recovery	= 452.96%		
Target Compounds						Qvalue
31) Cyclohexane	7.95	56	54353250m	13968.812	ug/l	
39) Methylcyclohexane	9.34	83	51433571m	10815.350	ug/l	
40) Benzene	8.33	78	7481285	717.867	ug/l	99
52) Toluene	10.40	92	1033781	153.783	ug/l #	70
67) Ethyl Benzene	11.73	91	27280289m	2100.188	ug/l	
68) m/p-Xylenes	11.84	106	30912003m	6159.600	ug/l	
69) o-Xylene	12.18	106	2236178	484.771	ug/l	99
73) Isopropylbenzene	12.47	105	6513585	443.447	ug/l	99
78) n-propylbenzene	12.80	91	19977679	1175.085	ug/l	78
80) 1,3,5-Trimethylbenzene	12.94	105	20227236m	1631.302	ug/l	
84) 1,2,4-Trimethylbenzene	13.24	105	29132977m	2381.818	ug/l	
85) sec-Butylbenzene	13.39	105	3008251	199.874	ug/l #	48
86) p-Isopropyltoluene	13.51	119	1983507	141.477	ug/l	98
89) n-Butylbenzene	13.83	91	7032640	555.727	ug/l #	72
95) Naphthalene	15.37	128	15464453	2299.141	ug/l	97

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

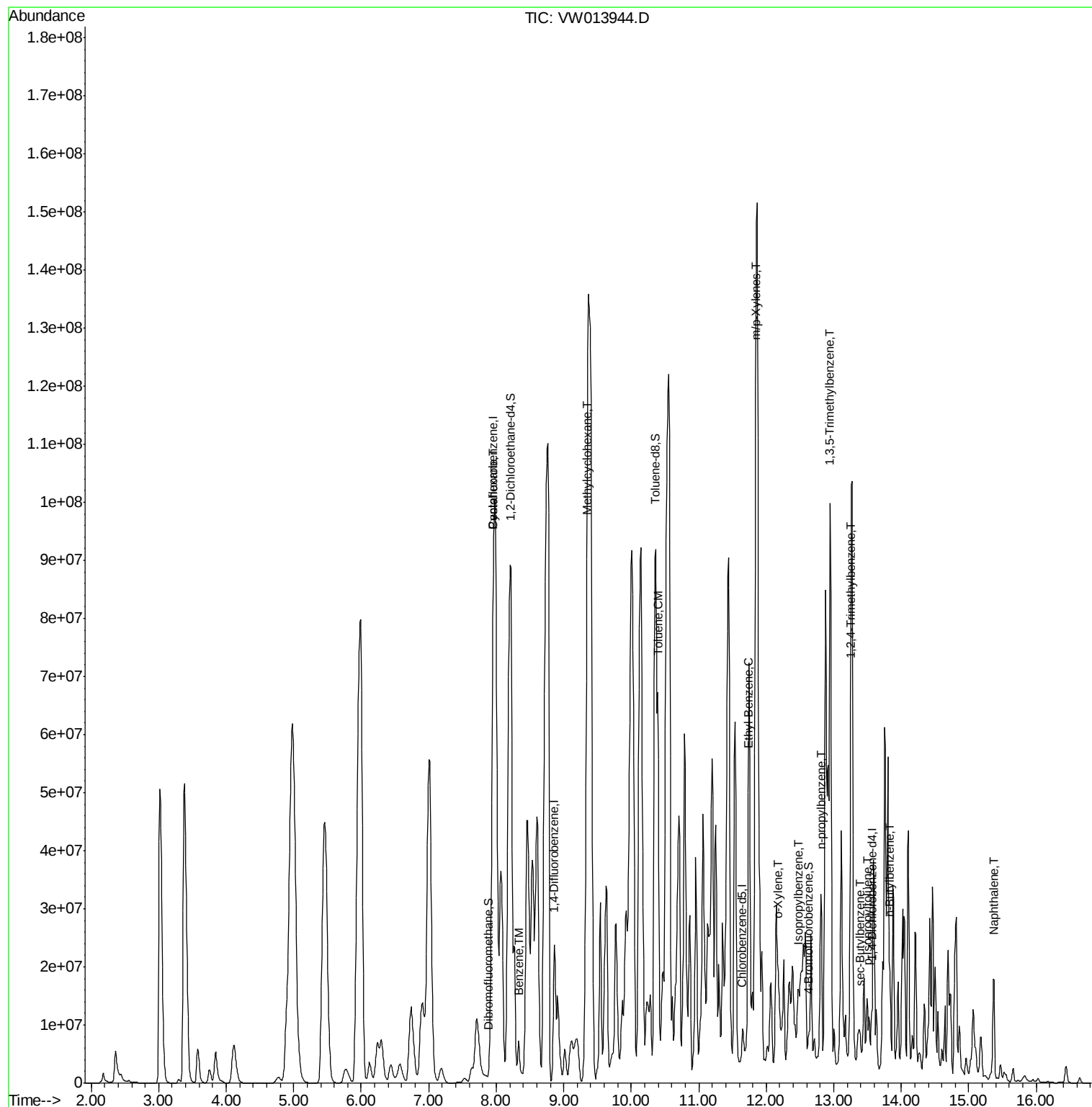
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110819\
Data File : VW013944.D
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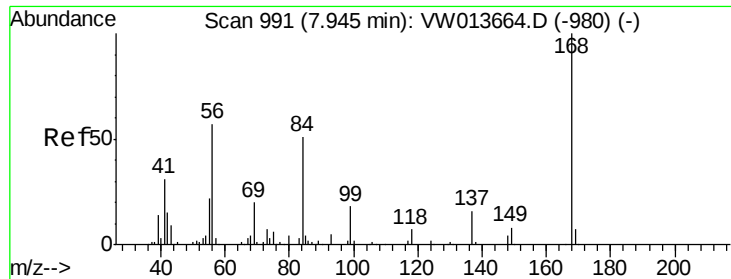
Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

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Quant Time: Nov 09 03:59:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

Tot Ion:168 Resp: 233382

Ion Ratio Lower Upper

168 100

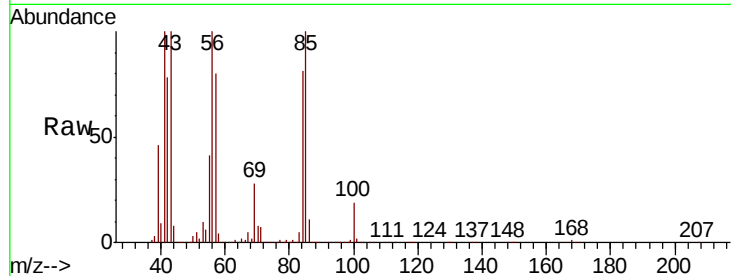
99 92.6 39.0 58.6#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

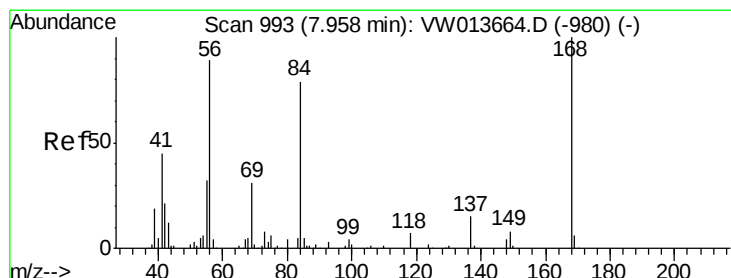
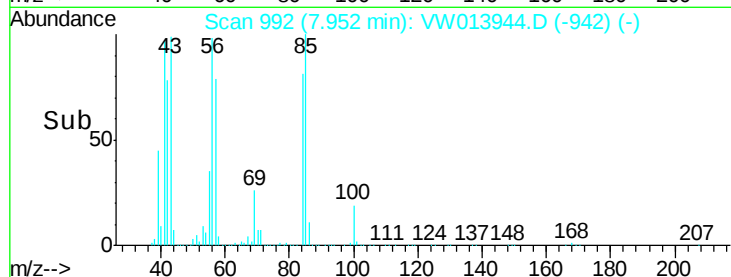
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#31

Cyclohexane

Concen: 13968.812 ug/l m

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

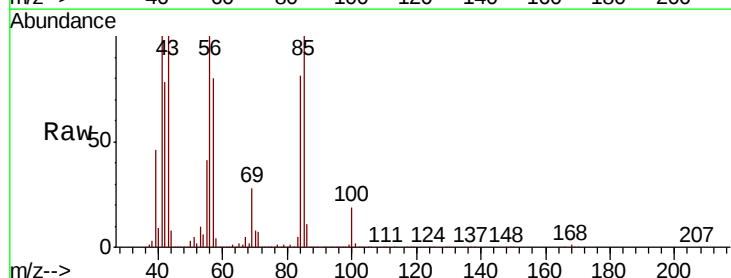
Tgt Ion: 56 Resp:54353250

Ion Ratio Lower Upper

56 100

69 28.1 27.5 41.3

84 81.4 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

7.95

8000000

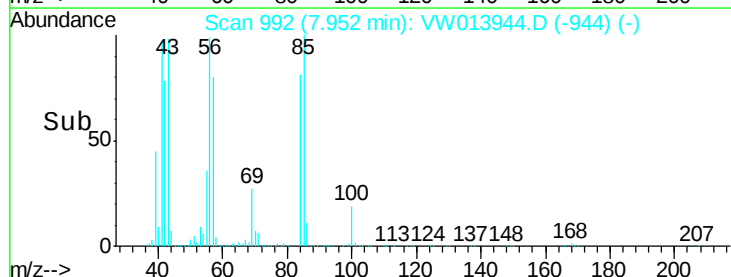
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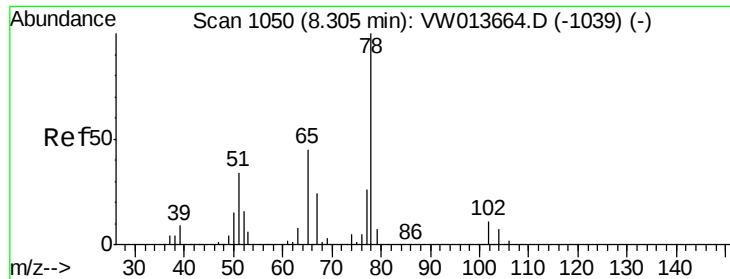
4000000

2000000

0

Time--> 7.80 7.90 8.00 8.10





#33

1,2-Dichloroethane-d4

Concen: 517.385 ug/l m

RT: 8.21 min Scan# 1035

Delta R.T. -0.09 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

Tot Ion: 65 Resp: 905809

Ion Ratio Lower Upper

65 100

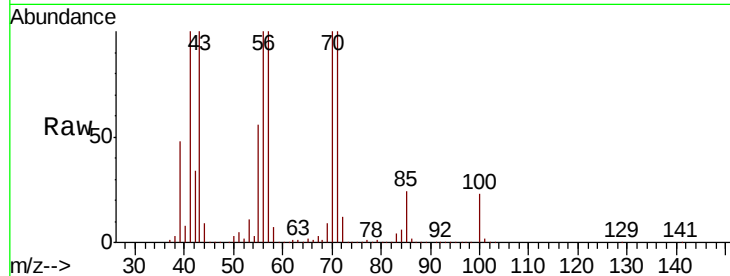
67 71.1 0.0 109.4

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

500000

400000

300000

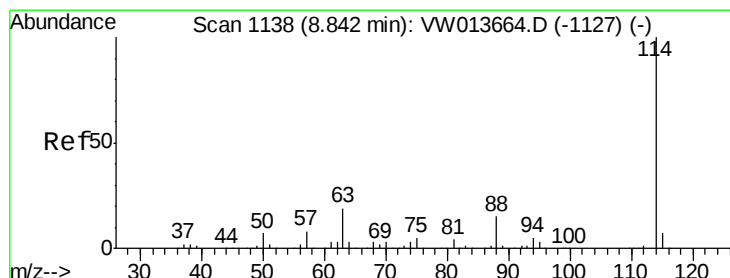
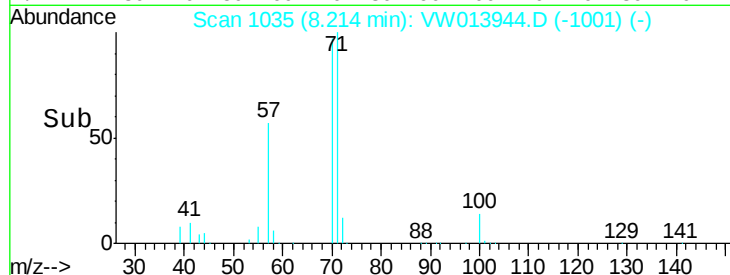
200000

100000

0

8.10 8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

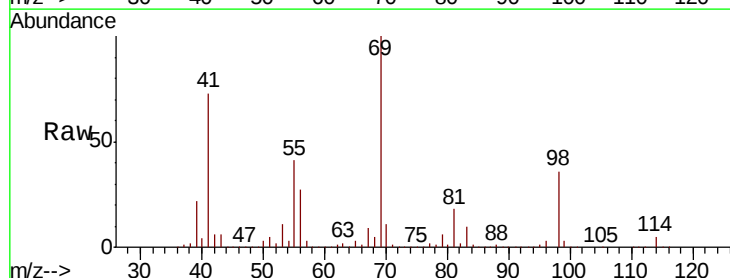
Tgt Ion: 114 Resp: 395413

Ion Ratio Lower Upper

114 100

63 37.0 0.0 37.6

88 16.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

150000

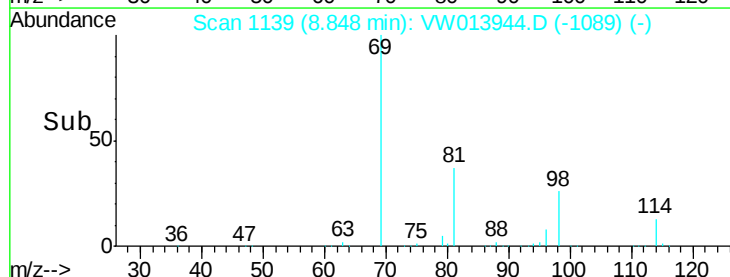
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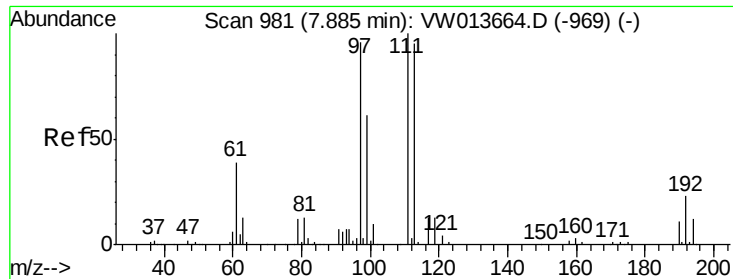
50000

0

8.80 8.90

Time-->





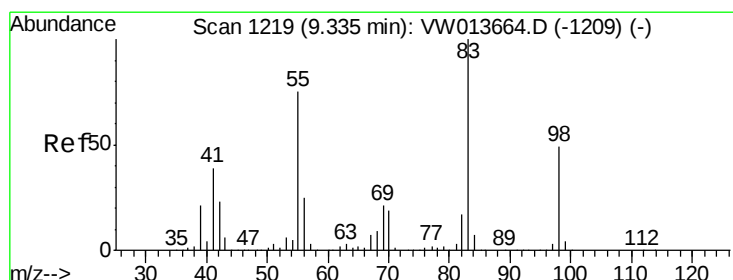
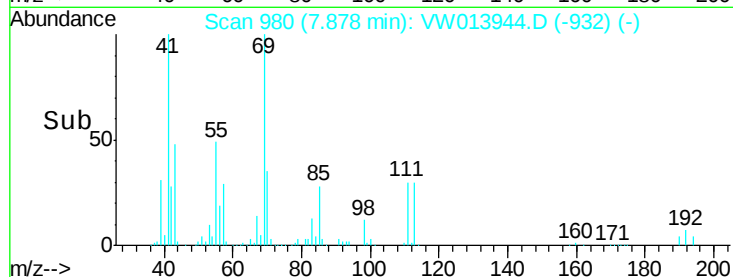
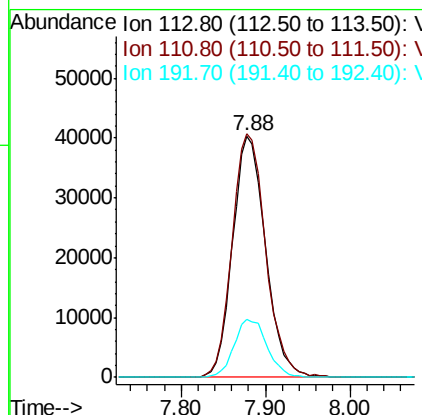
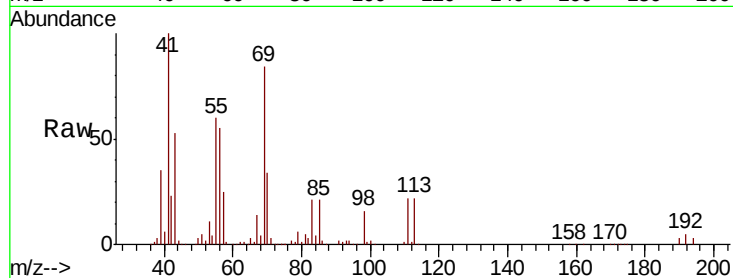
#35
Dibromofluoromethane
Concen: 48.570 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	24.1	19.4	29.2

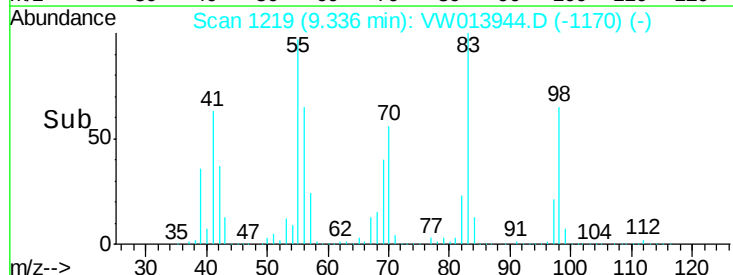
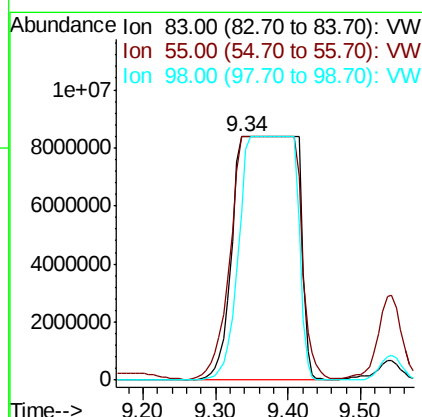
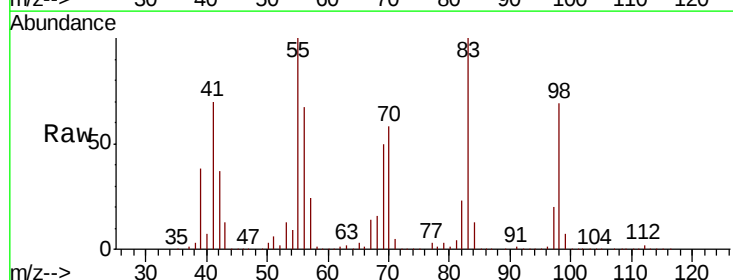
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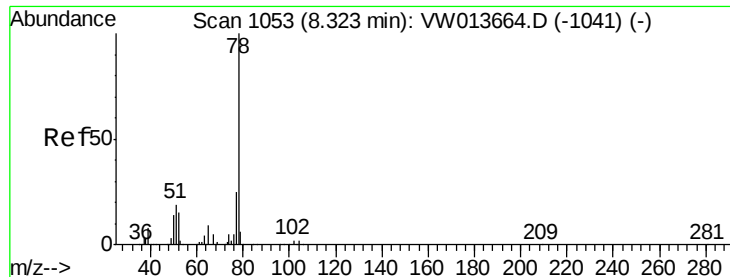
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#39
Methylcyclohexane
Concen: 10815.350 ug/l m
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	100.0	59.9	89.9#
98	68.7	39.4	59.2#





#40

Benzene

Concen: 717.867 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

Tot Ion: 78 Resp: 7481285

Ion Ratio Lower Upper

78 100

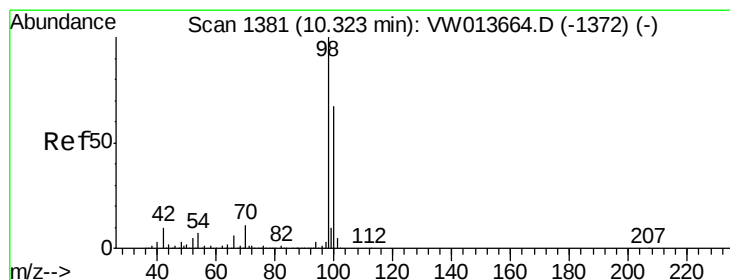
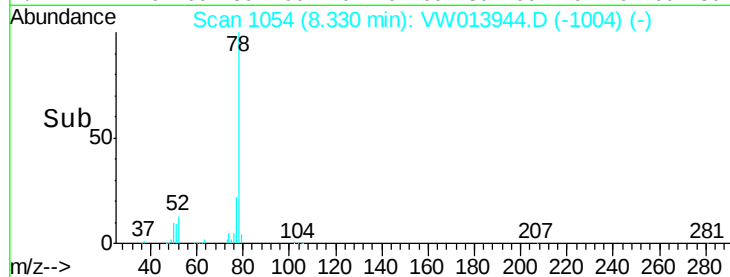
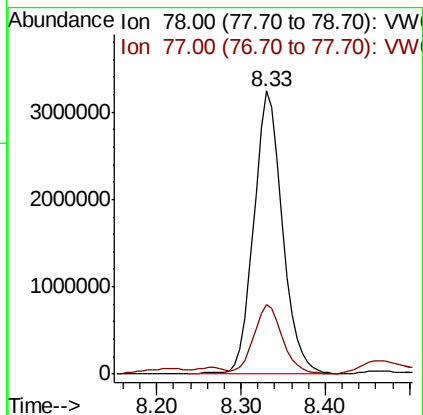
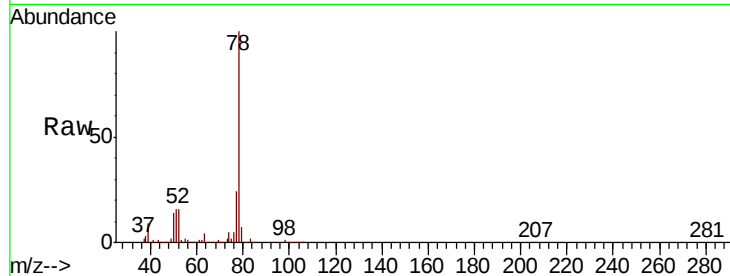
77 24.2 19.6 29.4

Manual Integrations

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#50

Toluene-d8

Concen: 1086.461 ug/l

RT: 10.36 min Scan# 1387

Delta R.T. 0.04 min

Lab File: VW013944.D

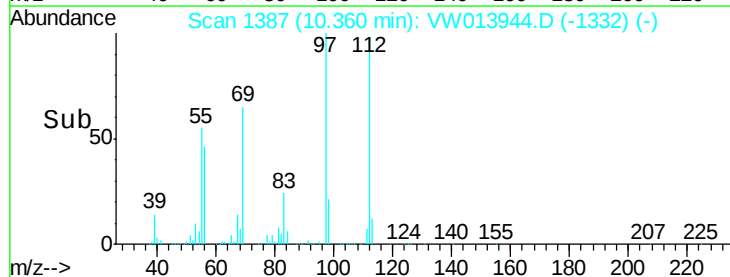
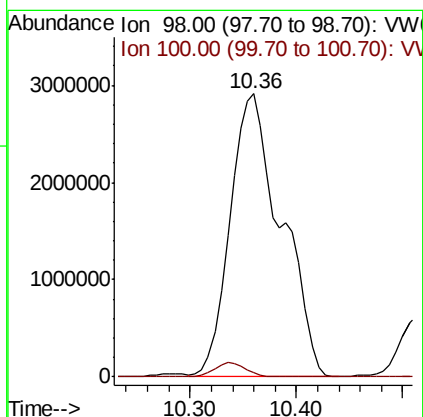
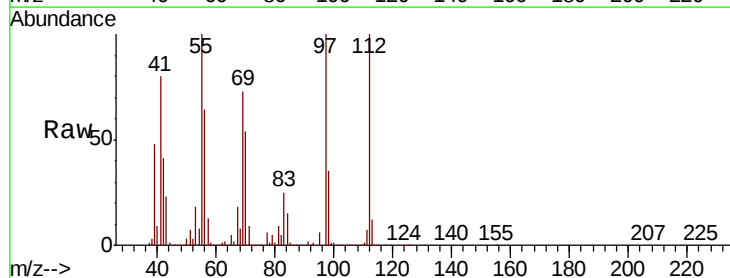
Acq: 08 Nov 2019 15:02

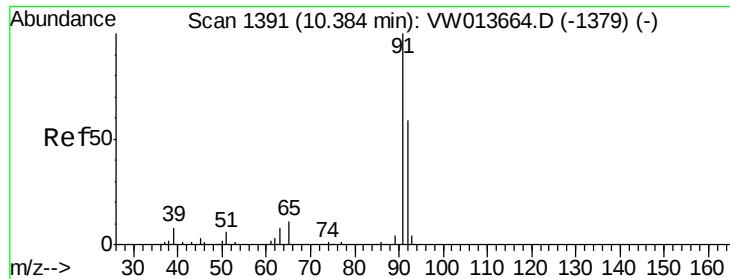
Tgt Ion: 98 Resp: 9726839

Ion Ratio Lower Upper

98 100

100 0.0 53.4 80.0#





#52

Toluene

Concen: 153.783 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. 0.02 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

Tot Ion: 92 Resp: 1033781

Ion Ratio Lower Upper

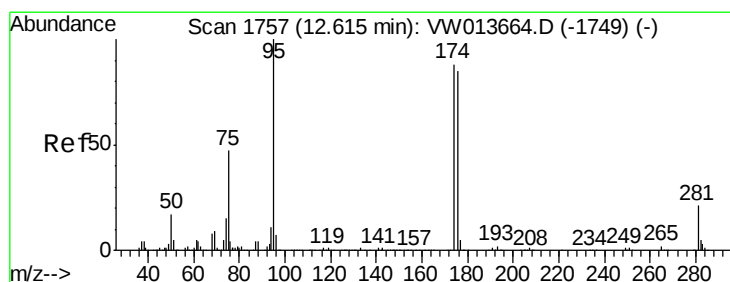
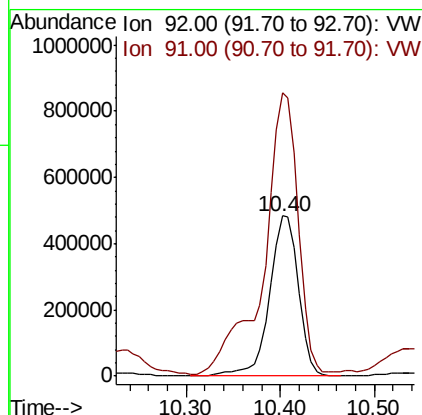
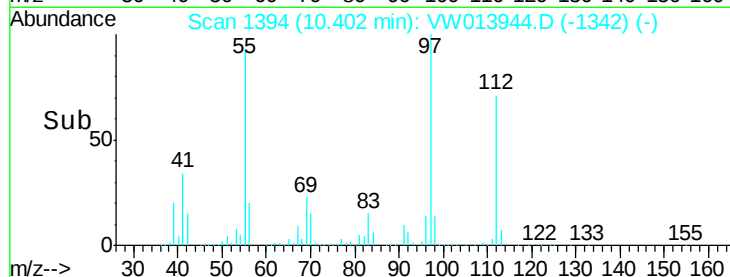
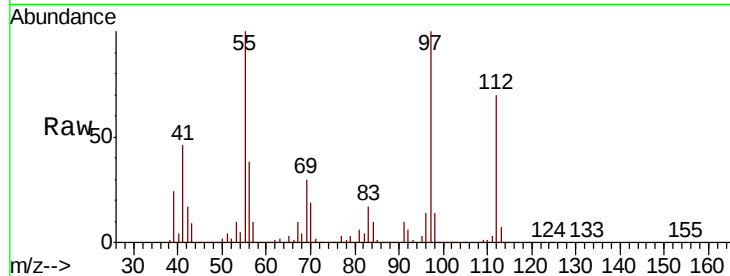
92 100

91 209.2 134.5 201.7#

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#62

4-Bromofluorobenzene

Concen: 226.480 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

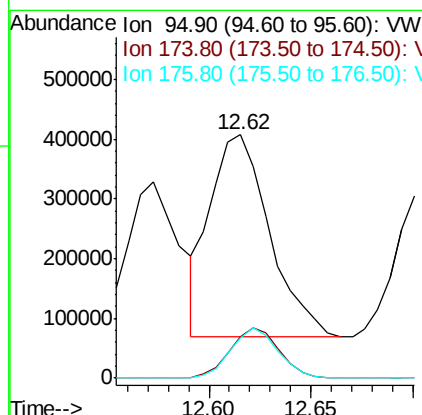
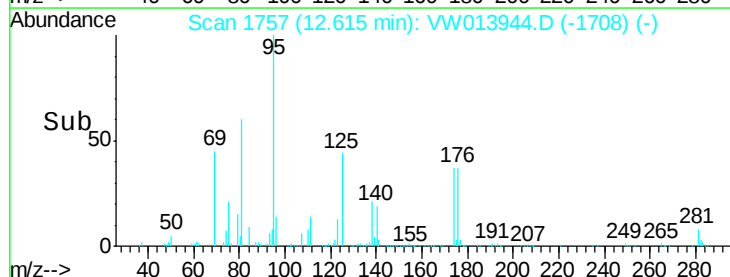
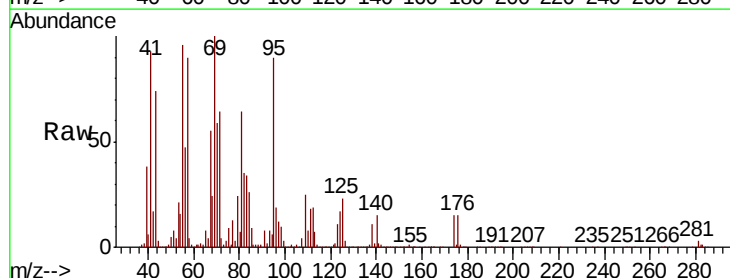
Tgt Ion: 95 Resp: 686558

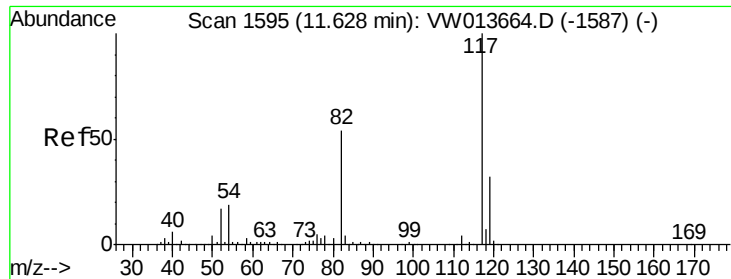
Ion Ratio Lower Upper

95 100

174 20.5 0.0 183.6

176 19.7 0.0 178.0





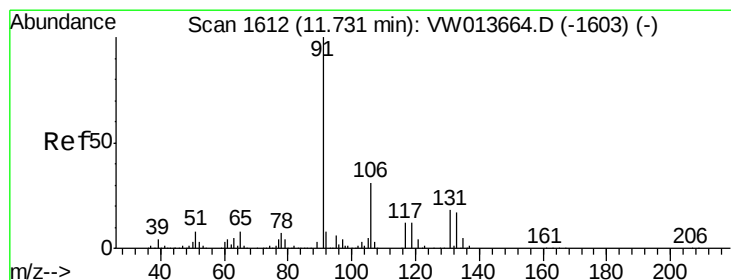
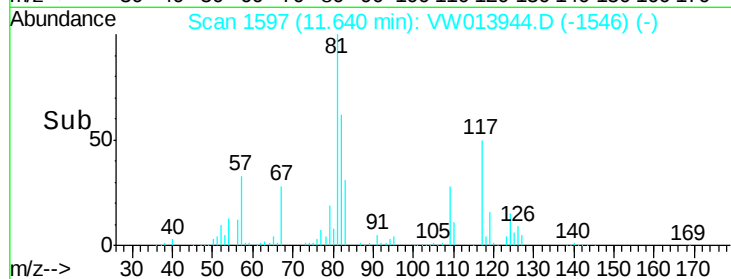
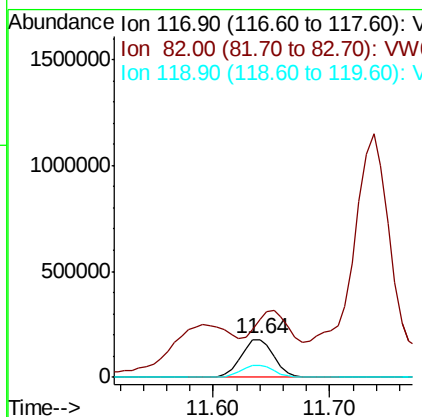
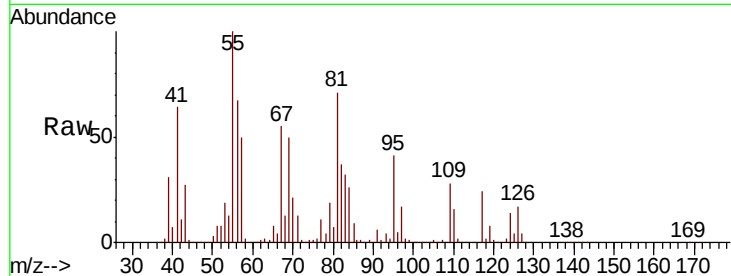
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tot Ion	Ratio	Lower	Upper
117	100		
82	25.0	43.6	65.4#
119	32.9	25.4	38.2

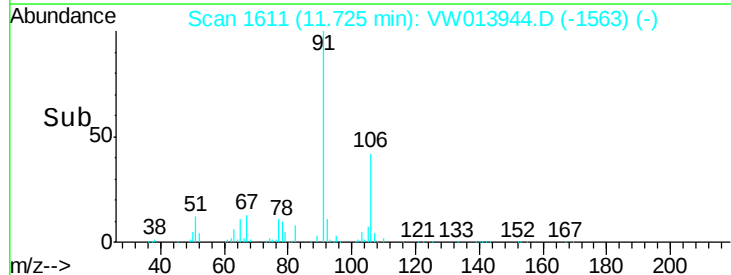
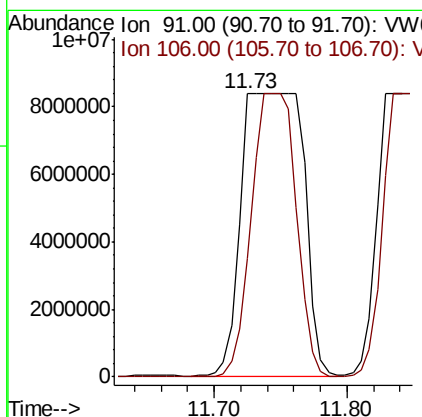
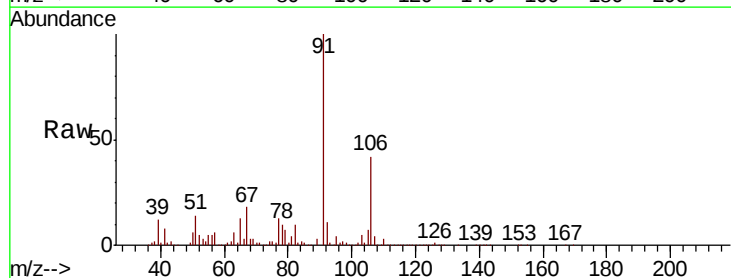
Manual Integrations
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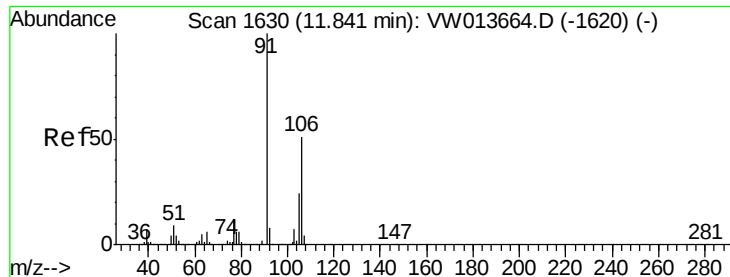
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11/12/2019 12:58:42 PM



#67
Ethyl Benzene
Concen: 2100.188 ug/l m
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	41.7	25.0	37.6#





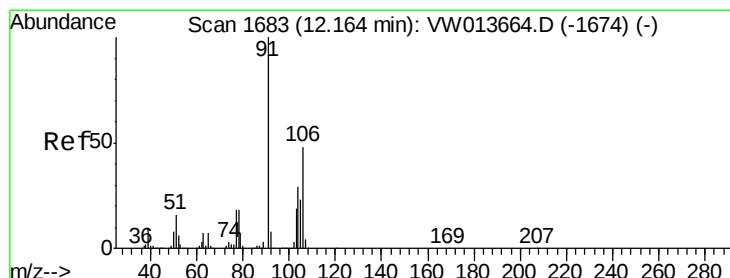
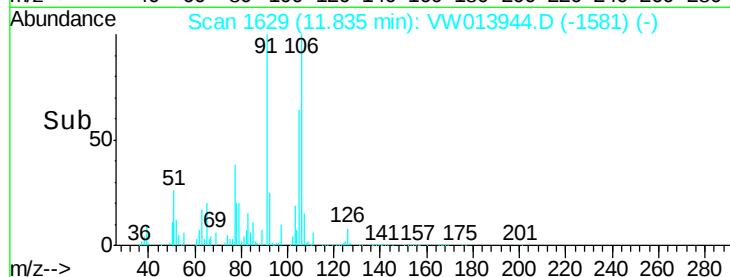
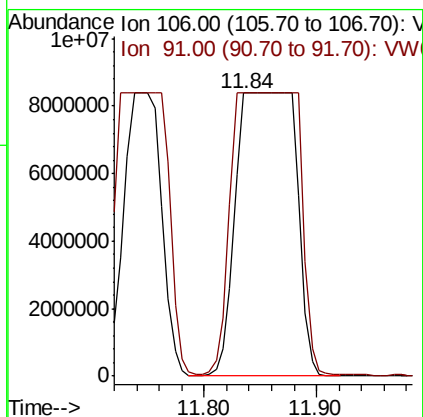
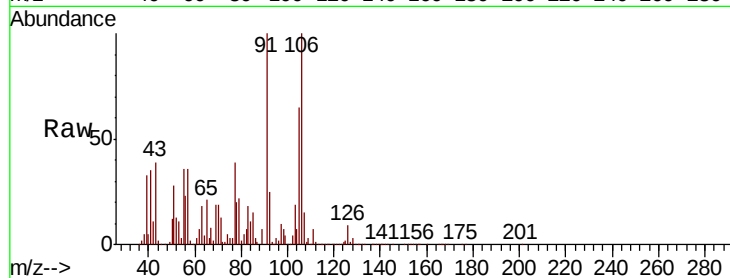
#68
m/p-Xylenes
Concen: 6159.600 ug/l m
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tot Ion:106 Resp:30912003
Ion Ratio Lower Upper
106 100
91 0.0 159.2 238.8#

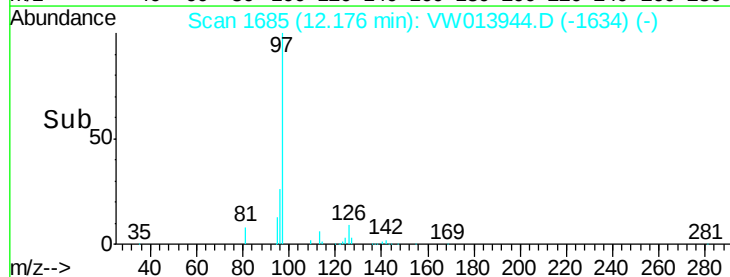
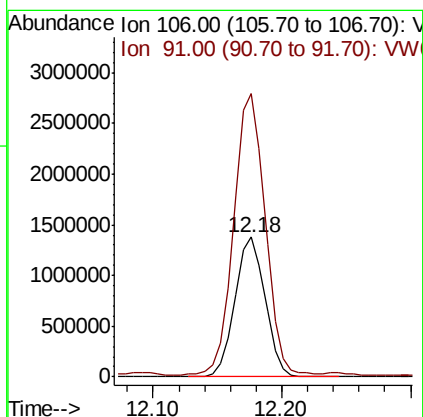
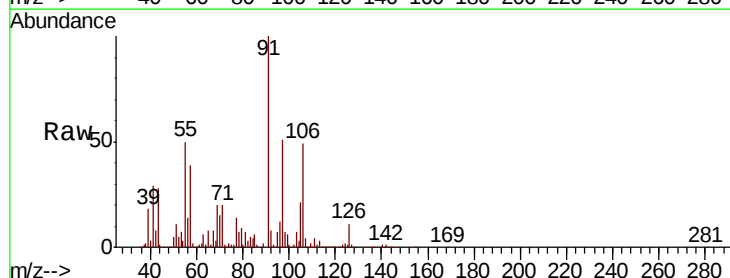
Manual Integrations
APPROVED

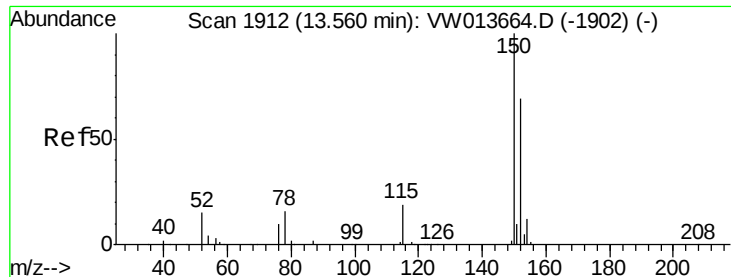
MMDadoda
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#69
o-Xylene
Concen: 484.771 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion:106 Resp: 2236178
Ion Ratio Lower Upper
106 100
91 211.4 104.9 314.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

Tot Ion:152 Resp: 204537

Ion Ratio Lower Upper

152 100

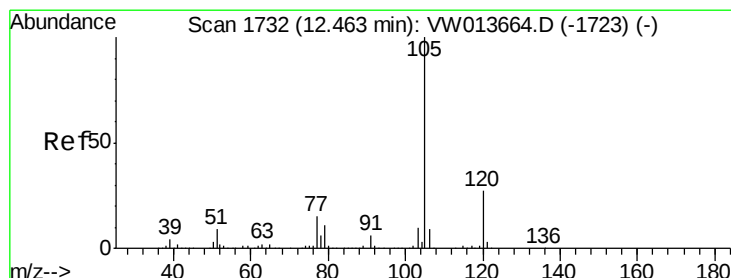
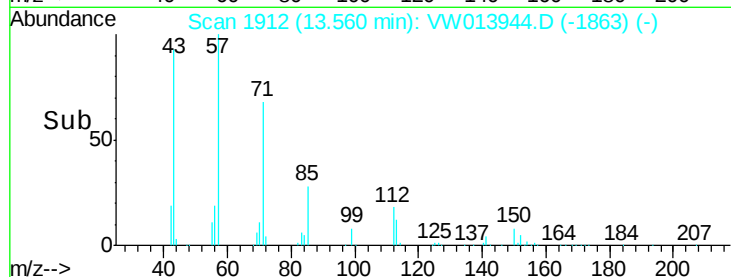
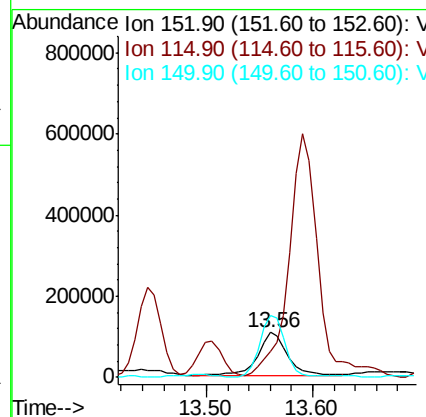
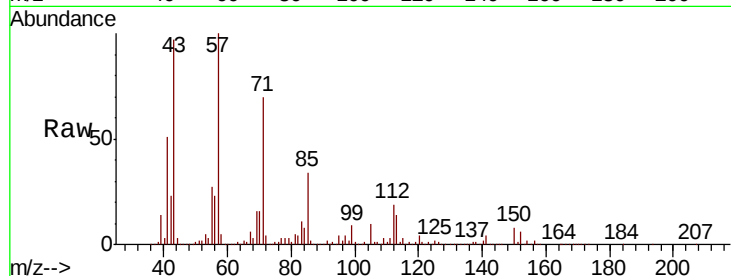
115 0.0 27.4 82.2#

150 121.1 0.0 345.4

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#73

Isopropylbenzene

Concen: 443.447 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW013944.D

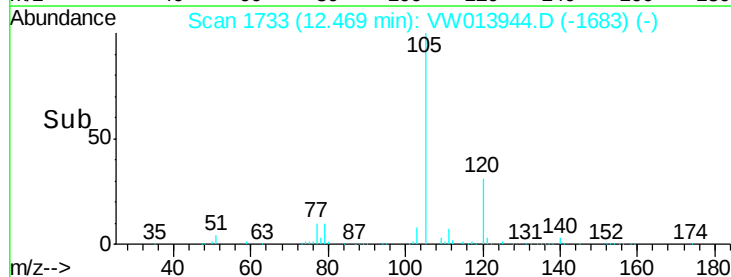
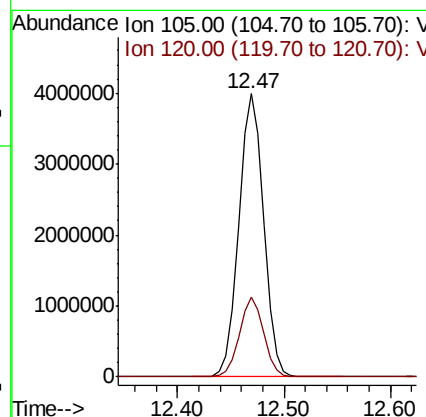
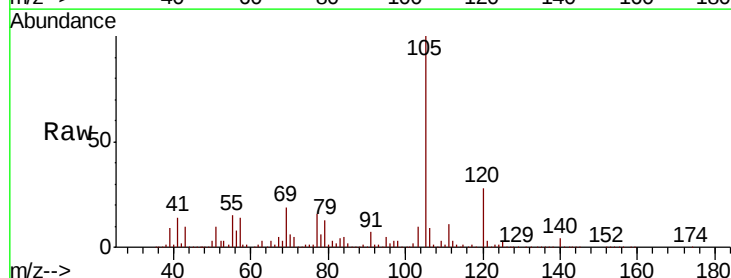
Acq: 08 Nov 2019 15:02

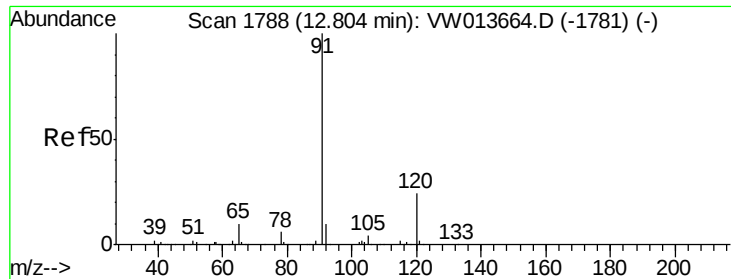
Tgt Ion:105 Resp: 6513585

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4





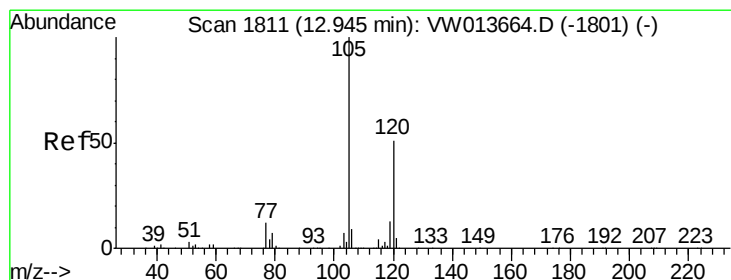
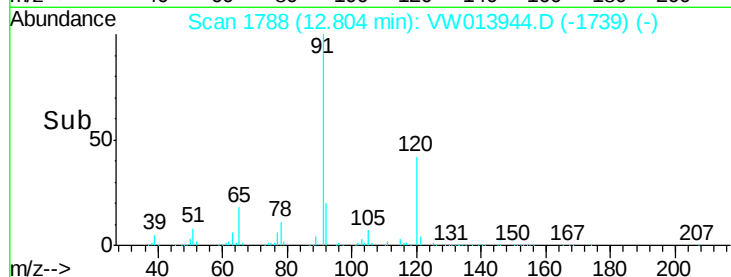
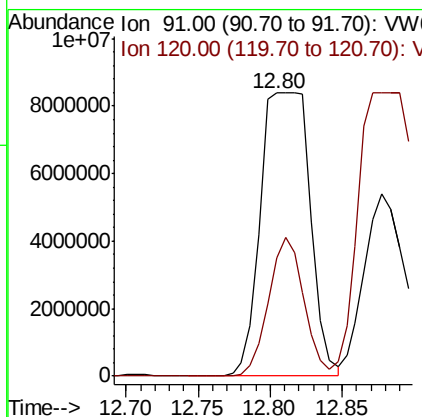
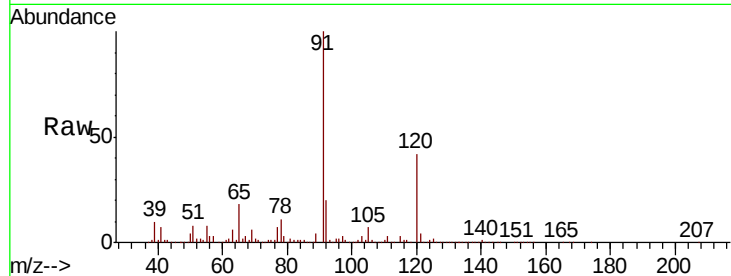
#78
n-propylbenzene
Concen: 1175.085 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tot Ion: 91 Resp:19977679
Ion Ratio Lower Upper
91 100
120 34.9 12.0 36.0

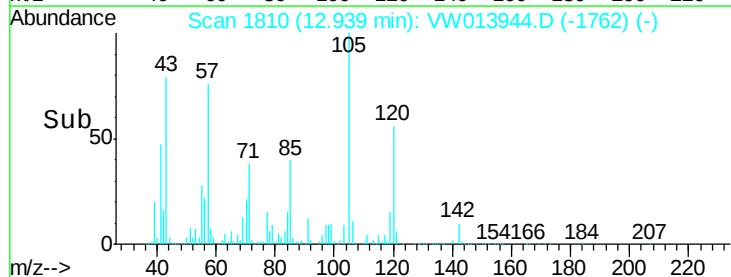
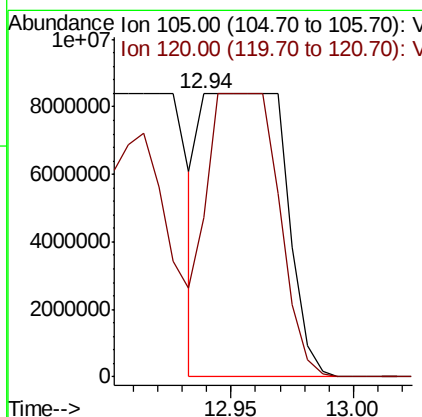
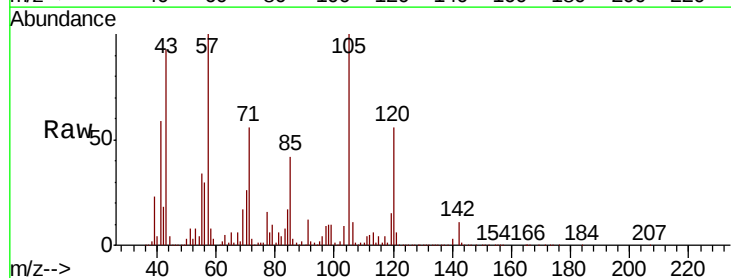
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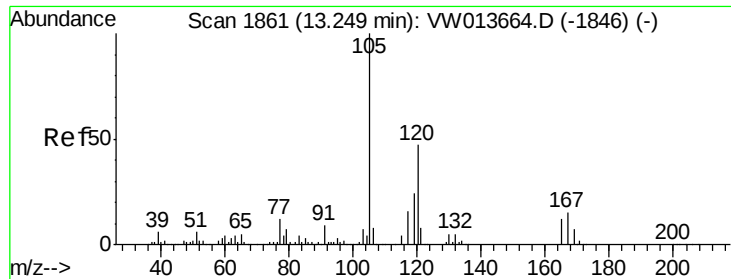
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#80
1,3,5-Trimethylbenzene
Concen: 1631.302 ug/l m
RT: 12.94 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion:105 Resp:20227236
Ion Ratio Lower Upper
105 100
120 47.0 25.1 75.3





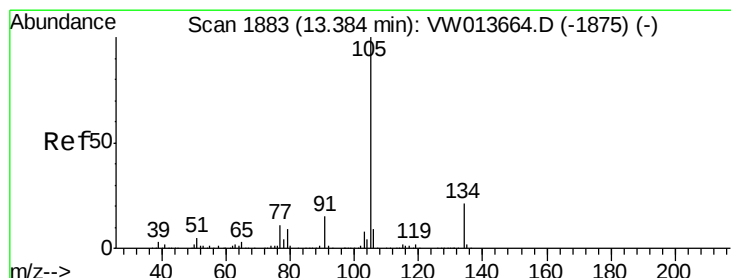
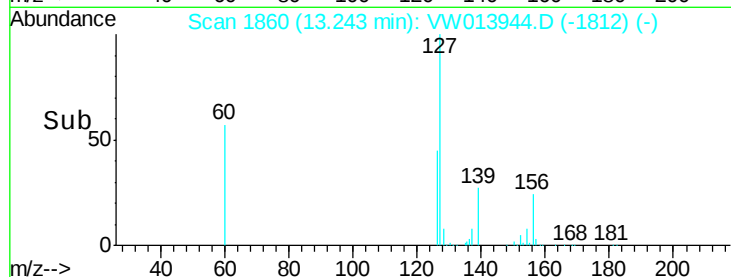
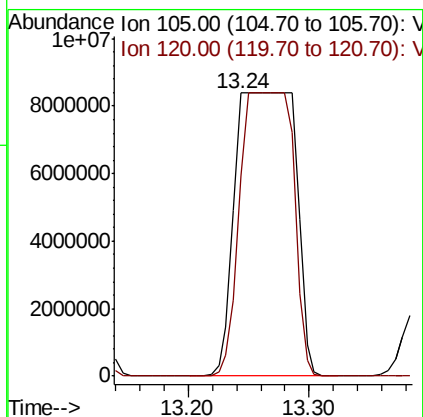
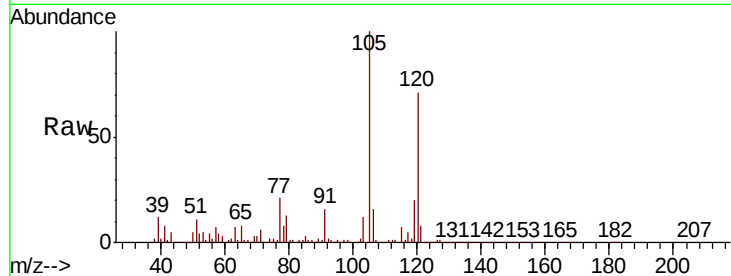
#84
1,2,4-Trimethylbenzene
Concen: 2381.818 ug/l m
RT: 13.24 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tot Ion:105 Resp:29132977
Ion Ratio Lower Upper
105 100
120 32.6 23.5 70.5

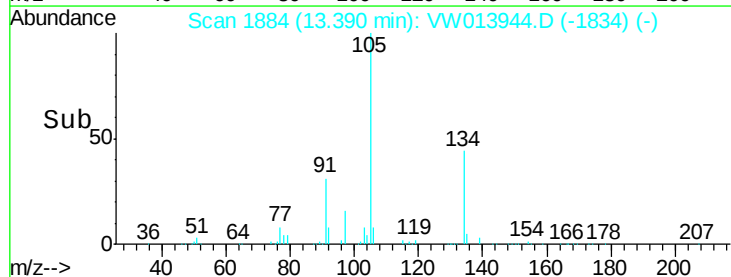
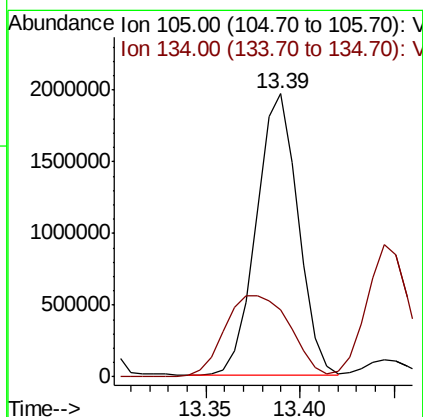
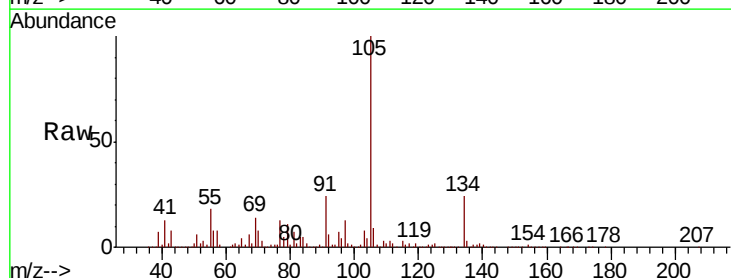
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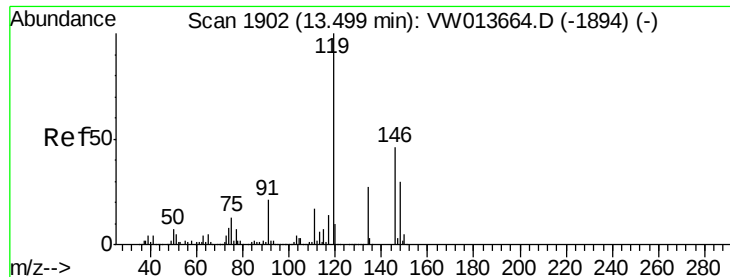
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#85
sec-Butylbenzene
Concen: 199.874 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion:105 Resp: 3008251
Ion Ratio Lower Upper
105 100
134 45.5 10.5 31.5#





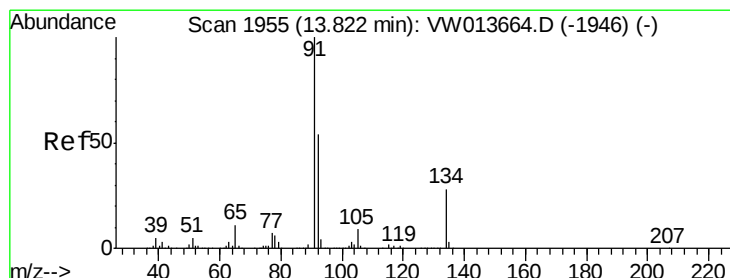
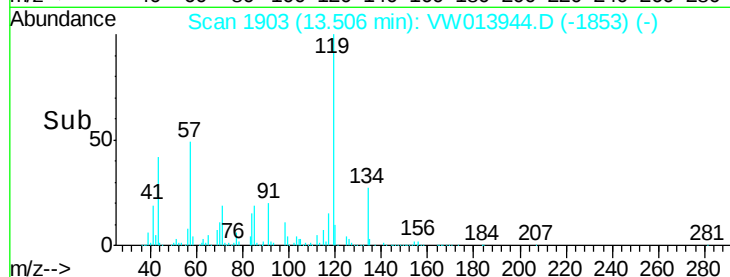
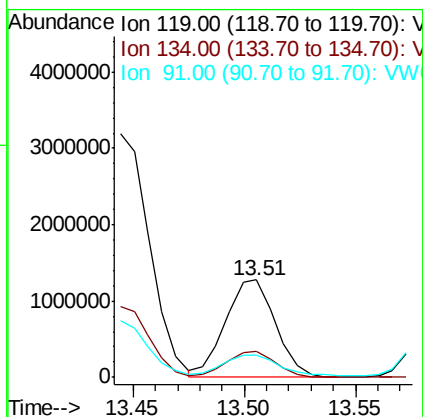
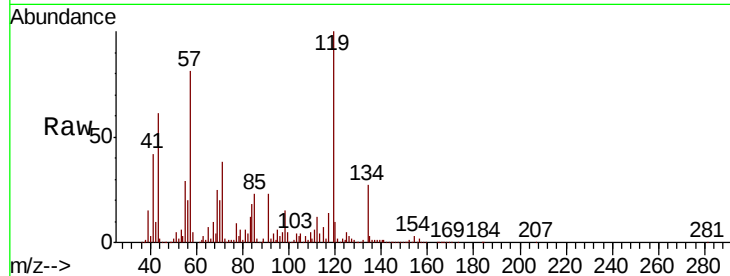
#86
p-Isopropyltoluene
Concen: 141.477 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tot Ion:119 Resp: 1983507
Ion Ratio Lower Upper
119 100
134 26.7 13.4 40.1
91 23.2 10.8 32.3

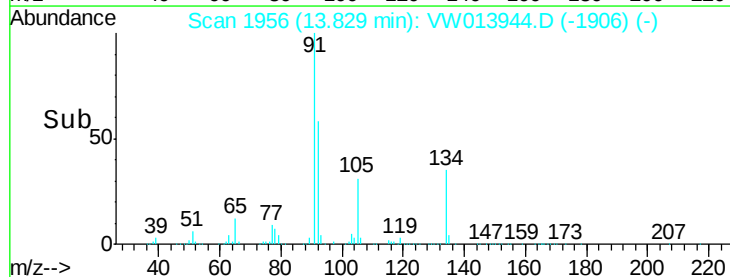
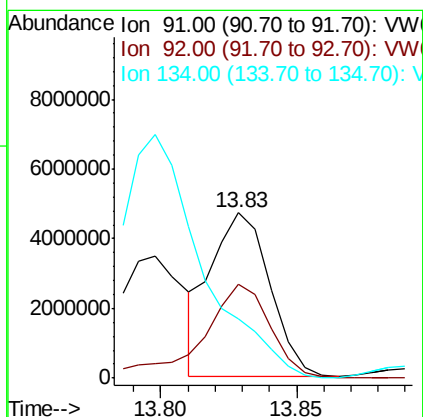
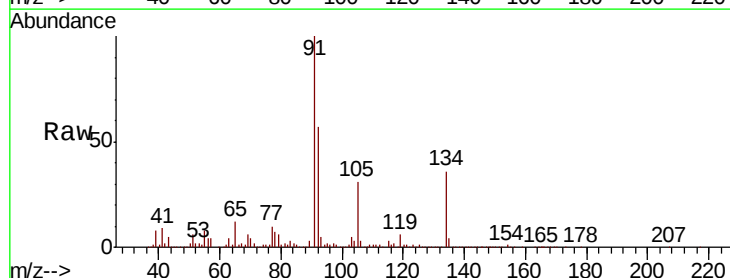
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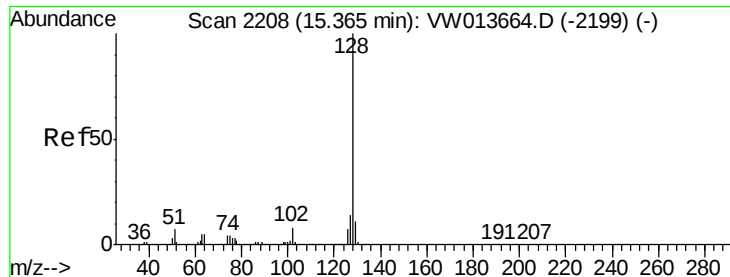
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#89
n-Butylbenzene
Concen: 555.727 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 91 Resp: 7032640
Ion Ratio Lower Upper
91 100
92 65.7 27.5 82.4
134 0.0 14.0 41.9#





#95
Naphthalene
Concen: 2299.141 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tot Ion:128 Resp:15464453
Ion Ratio Lower Upper
128 100
127 14.5 10.6 15.8
129 12.1 8.7 13.1

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