

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064224.D
 Acq On : 15 Nov 2019 13:40
 Operator : VA/SY
 Sample : K5665-01
 Misc : 9.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-111419

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:23:21 PM

Quant Time: Nov 16 05:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	935646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1387794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1228786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	614528	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	399581	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.92	113	417674	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.34	98	1641722	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
62) 4-Bromofluorobenzene	12.64	95	576006	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	24267	13.312	ug/l	92
39) Methylcyclohexane	9.36	83	28964	1.787	ug/l	95
52) Toluene	10.41	92	287160	12.476	ug/l	99
67) Ethyl Benzene	11.75	91	713531	15.787	ug/l	99
68) m/p-Xylenes	11.86	106	1078528	62.255	ug/l	99
69) o-Xylene	12.18	106	735442	45.772	ug/l	100
73) Isopropylbenzene	12.48	105	259883	5.762	ug/l	98
78) n-propylbenzene	12.83	91	1393657	27.043	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1742363	47.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	6074050	165.996	ug/l	98
85) sec-Butylbenzene	13.41	105	430292	9.803	ug/l	78
86) p-Isopropyltoluene	13.52	119	301347	7.221	ug/l	99
89) n-Butylbenzene	13.85	91	748000m	19.840	ug/l	
95) Naphthalene	15.41	128	250896	11.524	ug/l #	91

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

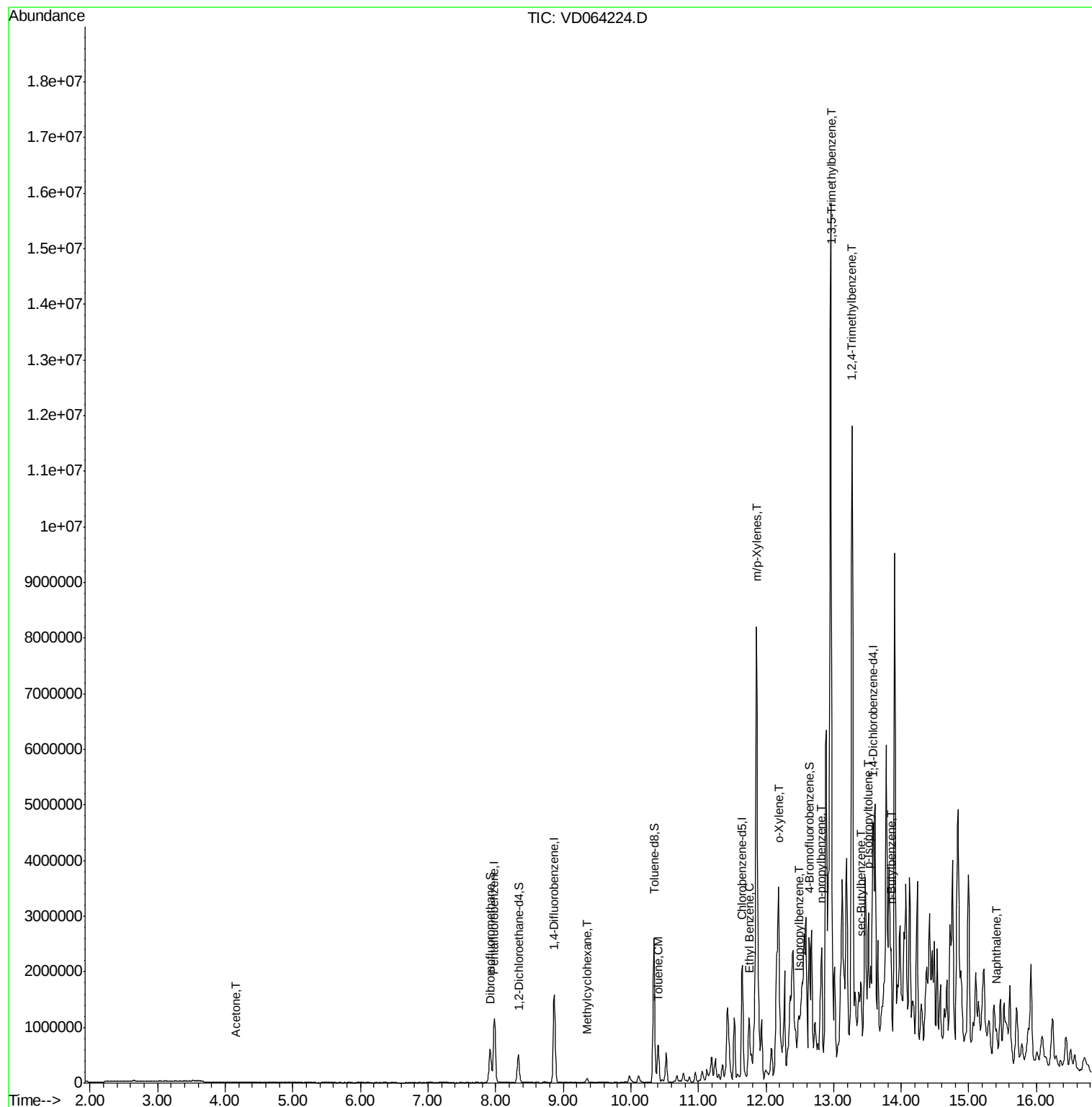
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064224.D
Acq On : 15 Nov 2019 13:40
Operator : VA/SY
Sample : K5665-01
Misc : 9.19G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

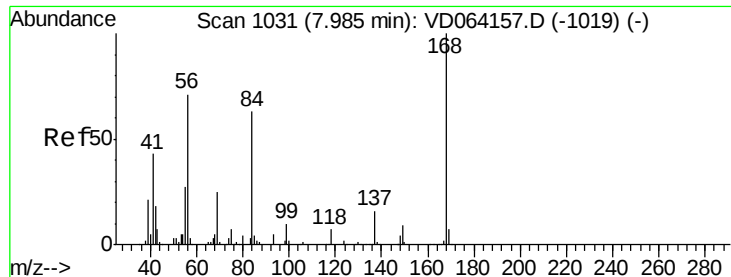
Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

Manual Integrations
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11/19/2019 12:23:21 PM

Quant Time: Nov 16 05:45:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

Tot Ion:168 Resp: 935646

Ion Ratio Lower Upper

168 100

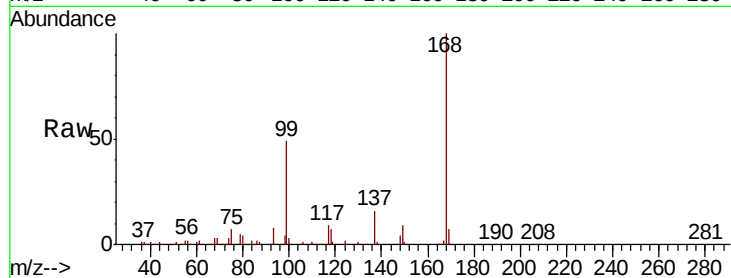
99 48.7 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

400000

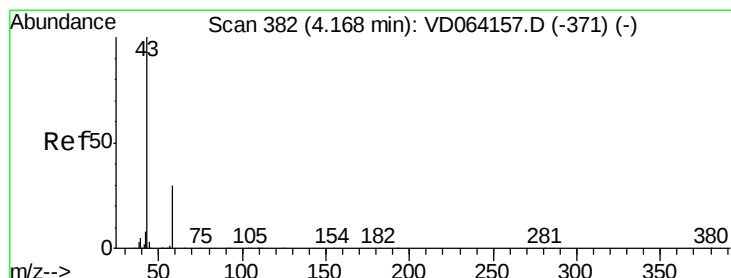
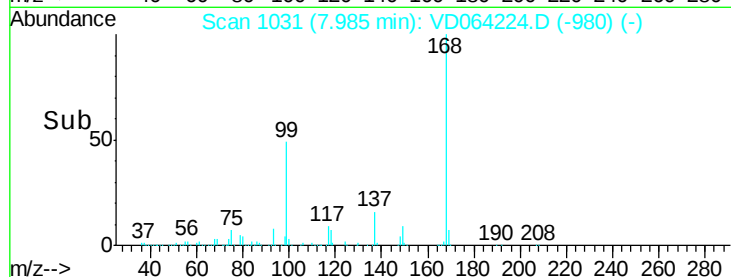
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 13.312 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064224.D

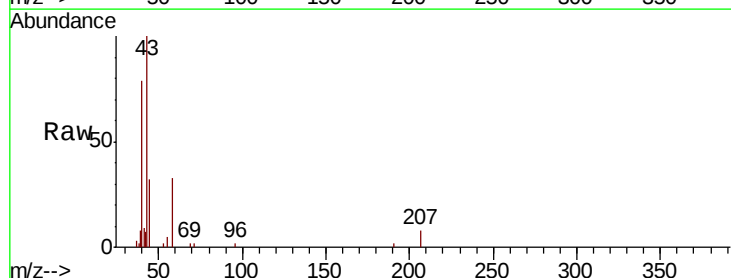
Acq: 15 Nov 2019 13:40

Tgt Ion: 43 Resp: 24267

Ion Ratio Lower Upper

43 100

58 34.4 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

8000

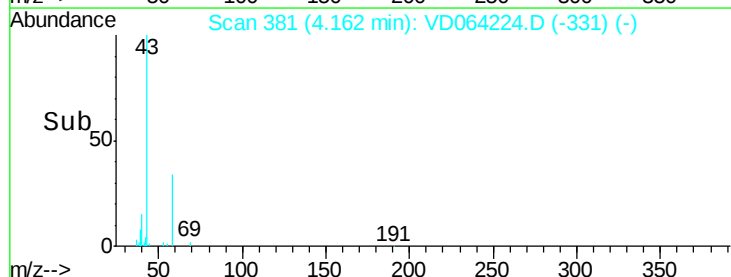
6000

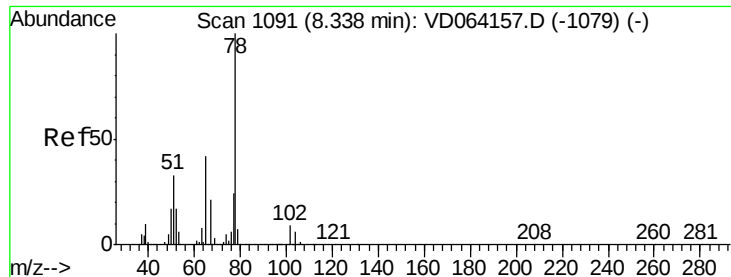
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.926 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

Tot Ion: 65 Resp: 399581

Ion Ratio Lower Upper

65 100

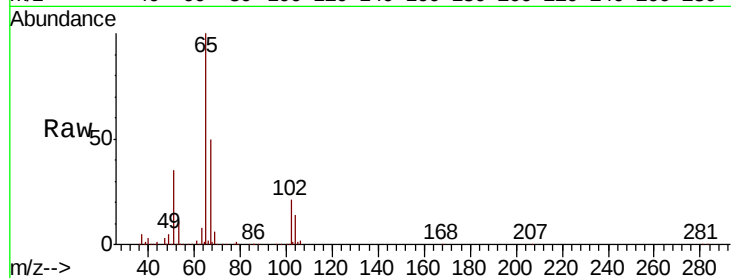
67 51.3 0.0 104.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

200000

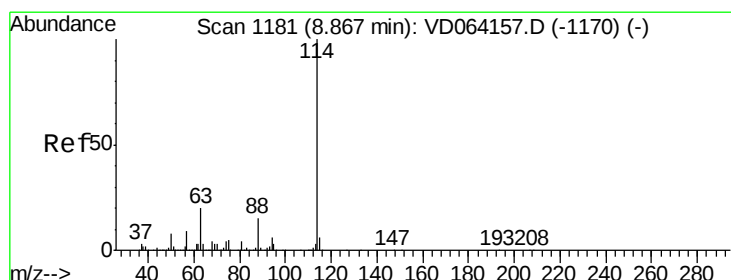
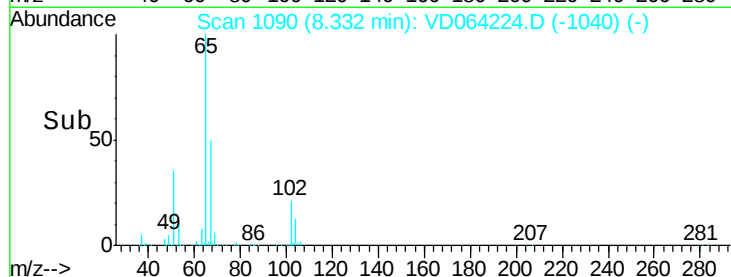
150000

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

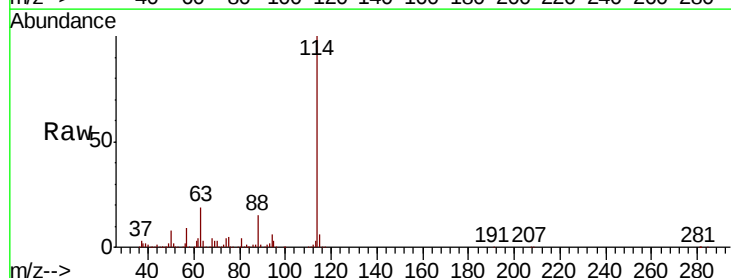
Tgt Ion: 114 Resp: 1387794

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

800000

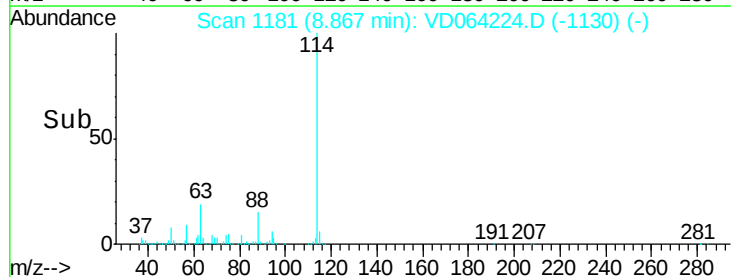
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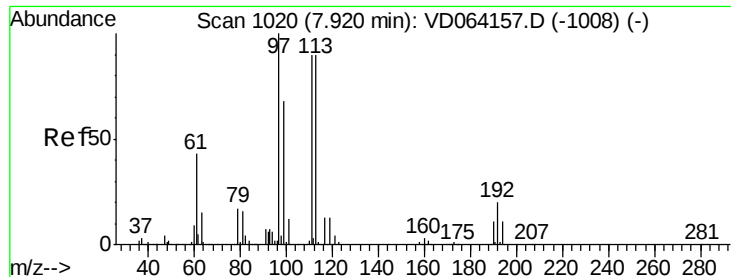
400000

200000

0

Time--> 8.80 8.90





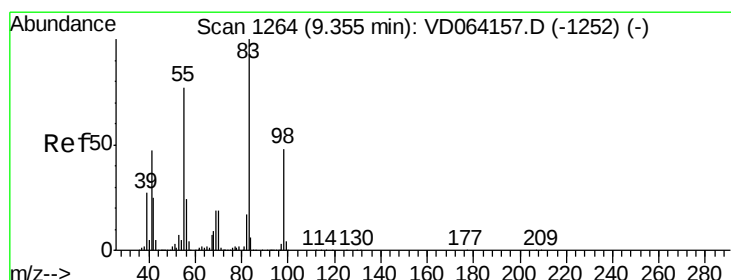
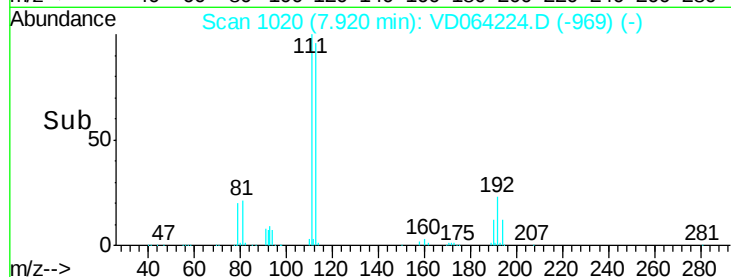
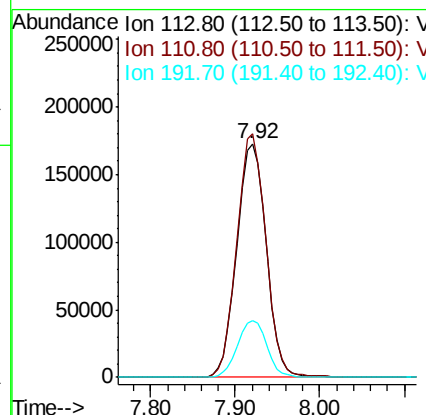
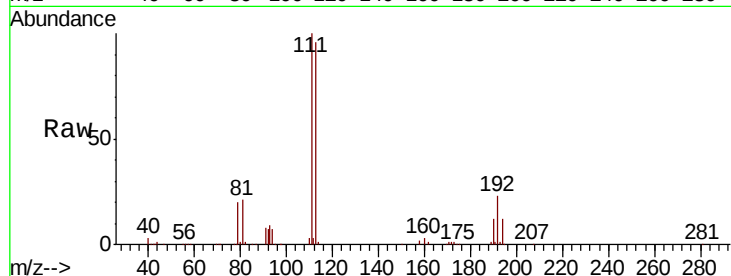
#35
Dibromofluoromethane
Concen: 52.431 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	24.0	18.8	28.2

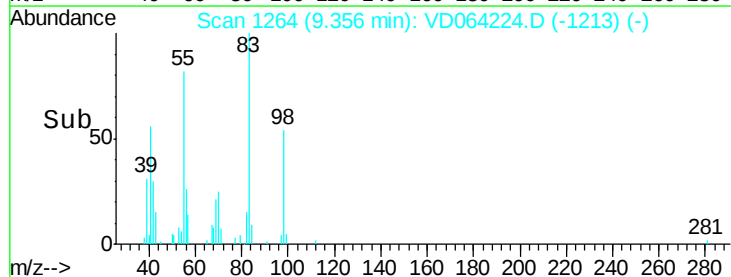
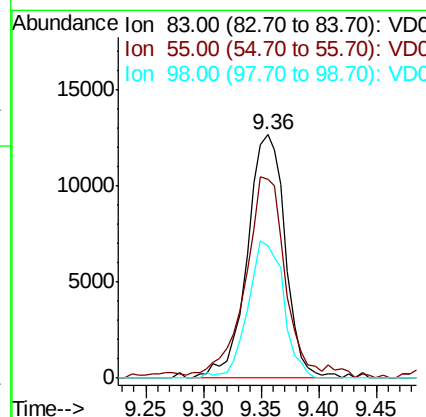
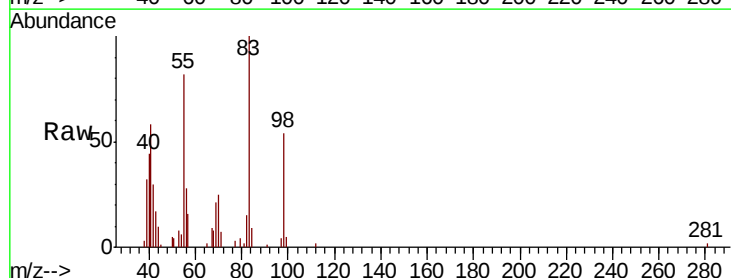
Manual Integrations
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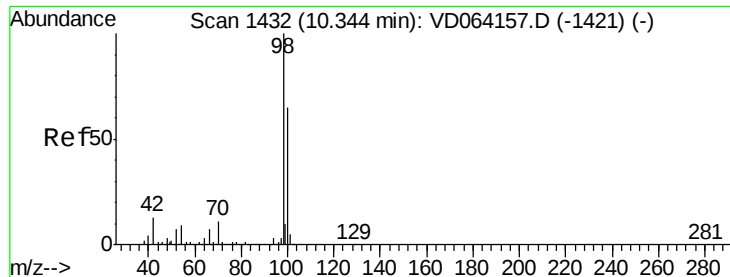
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#39
Methylcyclohexane
Concen: 1.787 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.7	92.5
98	54.4	38.6	58.0





#50

Toluene-d8

Concen: 54.630 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

Tot Ion: 98 Resp: 1641722

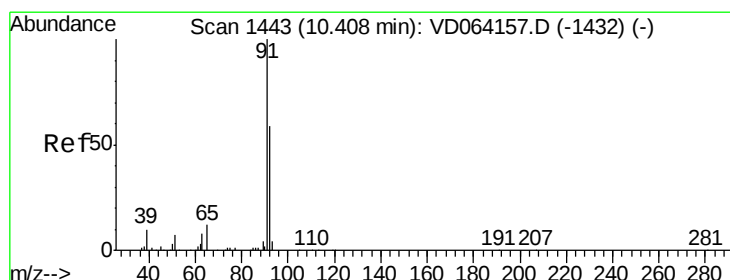
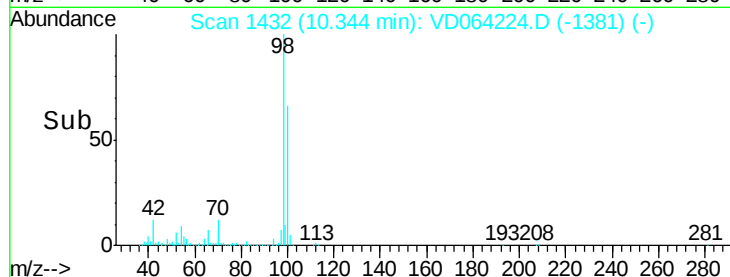
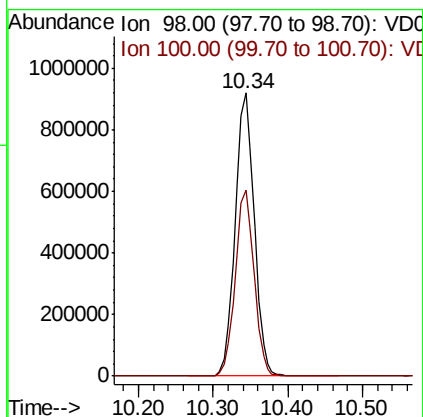
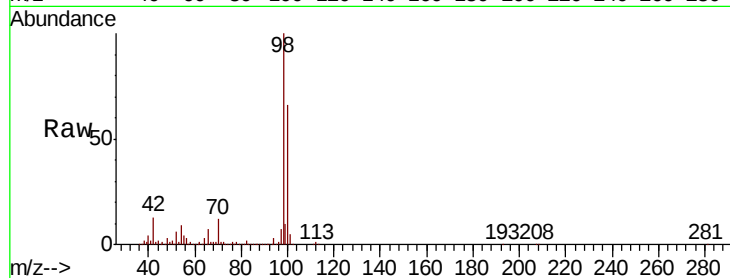
Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8

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#52

Toluene

Concen: 12.476 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064224.D

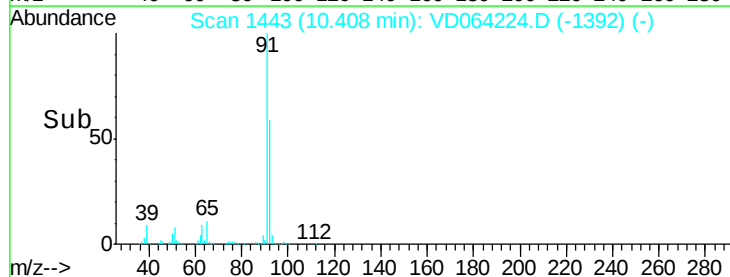
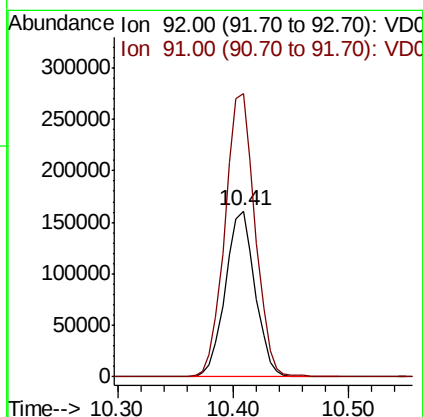
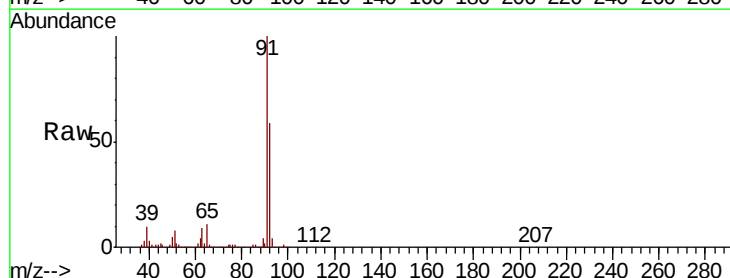
Acq: 15 Nov 2019 13:40

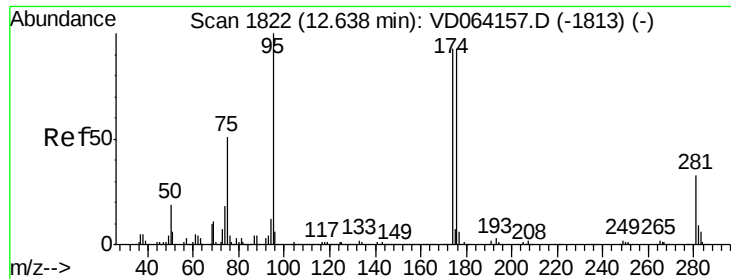
Tgt Ion: 92 Resp: 287160

Ion Ratio Lower Upper

92 100

91 172.4 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 55.347 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

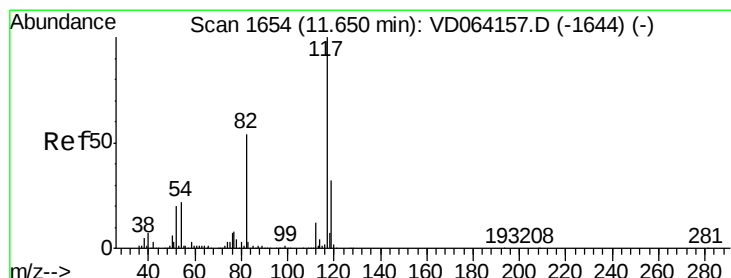
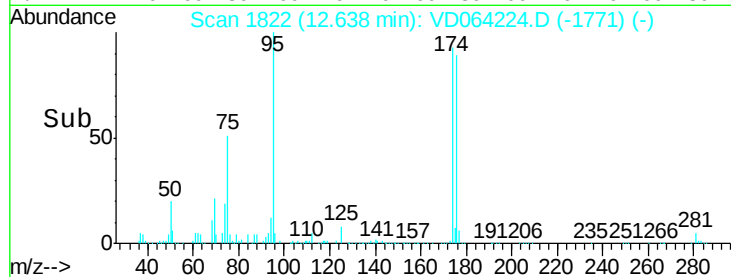
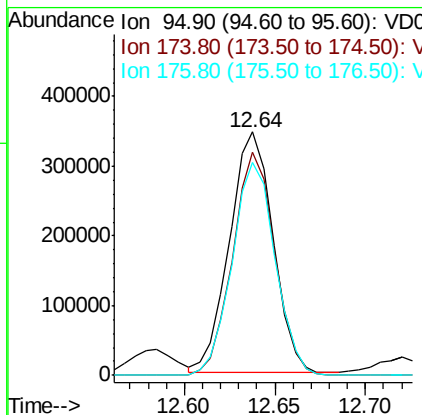
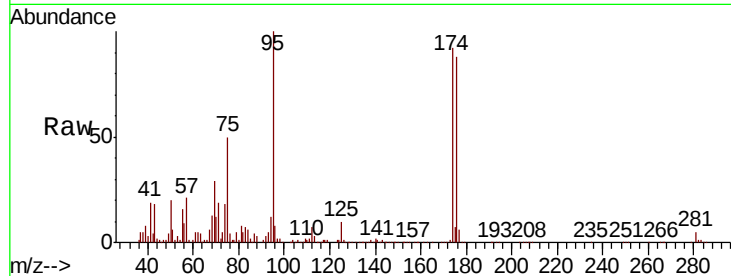
ClientSampleId :

HR-05-111419

Tot Ion:	95	Resp:	576006
Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	183.6
176	87.6	0.0	180.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

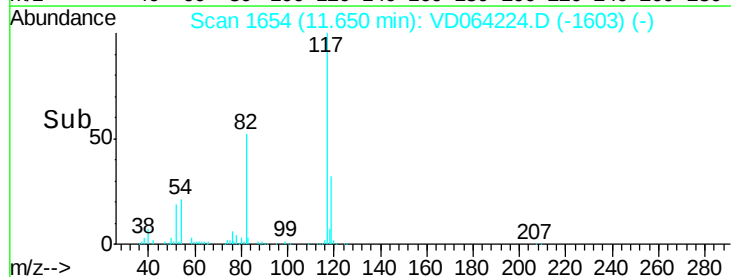
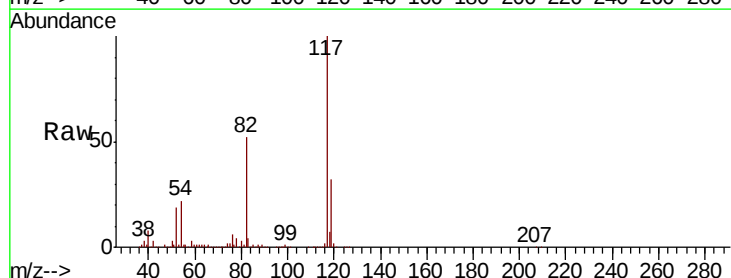
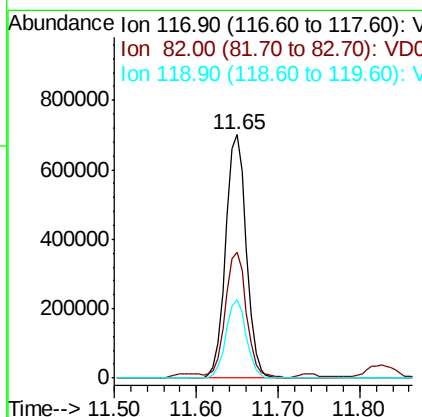
RT: 11.65 min Scan# 1654

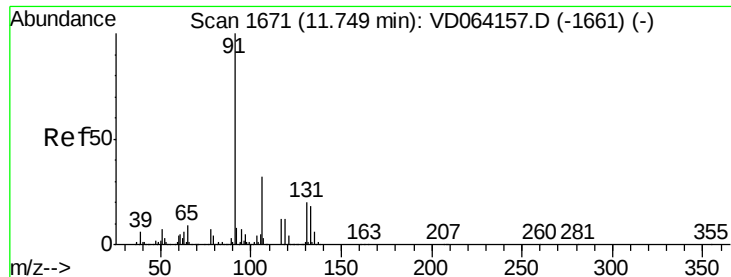
Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Tgt Ion:	117	Resp:	1228786
Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.8	64.2
119	32.0	25.6	38.4





#67

Ethyl Benzene

Concen: 15.787 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

Tot Ion: 91 Resp: 713531

Ion Ratio Lower Upper

91 100

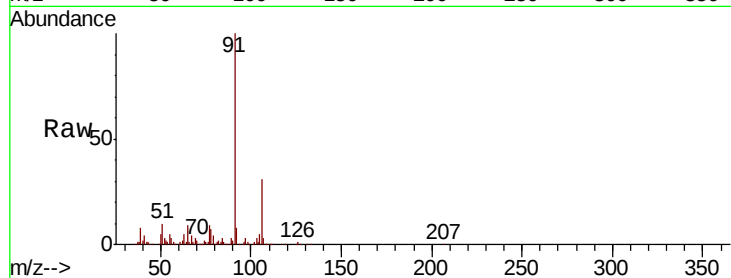
106 31.4 25.5 38.3

Manual Integrations

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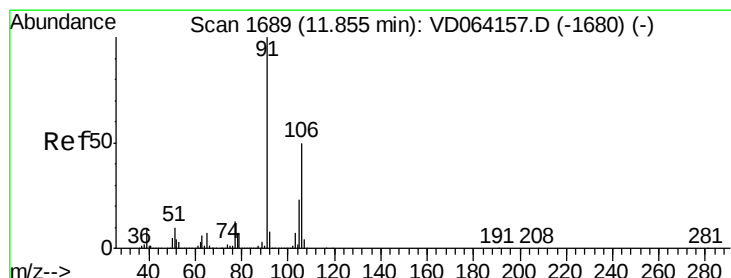
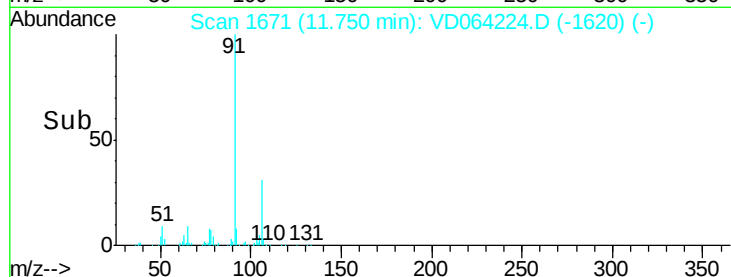
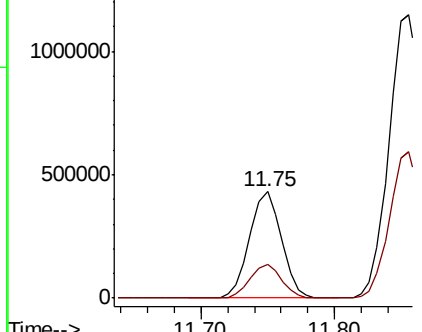
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 62.255 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064224.D

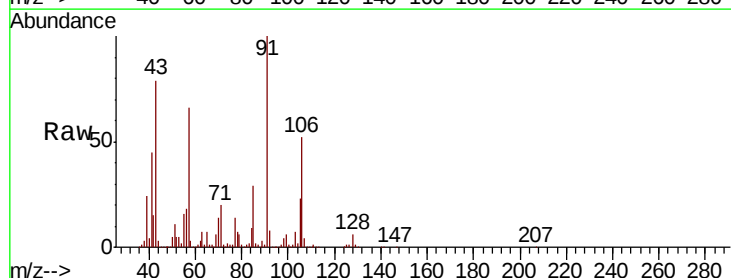
Acq: 15 Nov 2019 13:40

Tgt Ion: 106 Resp: 1078528

Ion Ratio Lower Upper

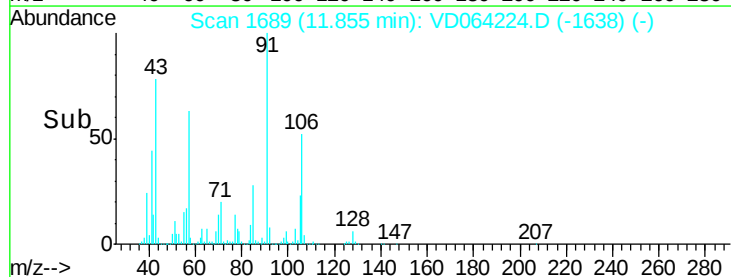
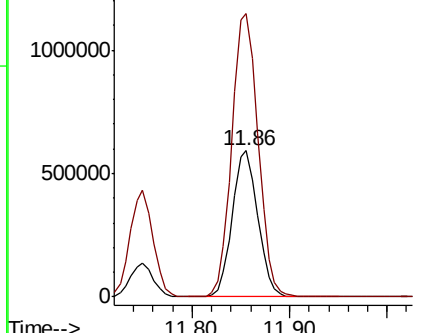
106 100

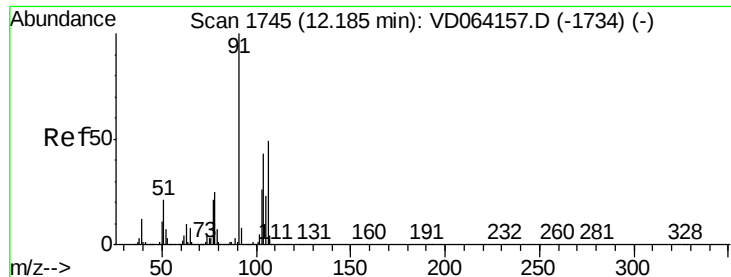
91 199.5 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





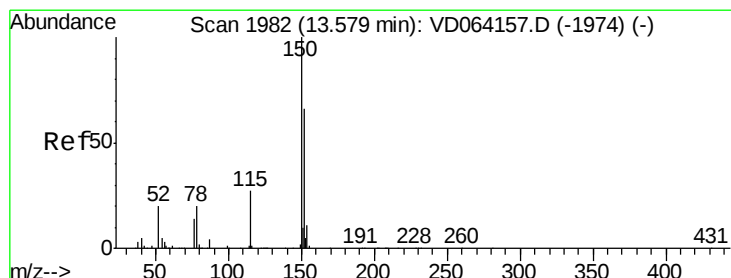
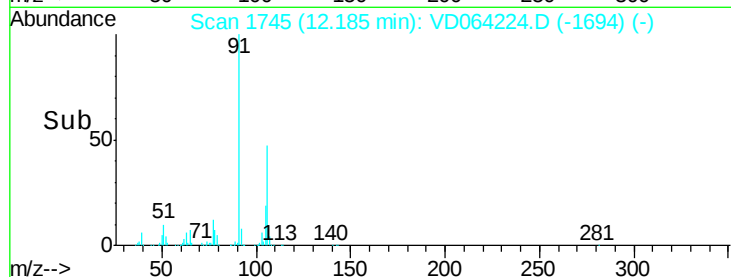
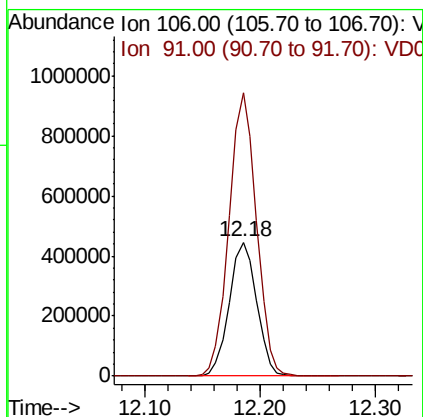
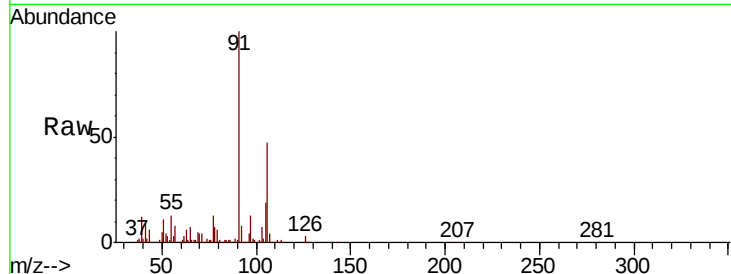
#69
o-Xylene
Concen: 45.772 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.0	105.1	315.3

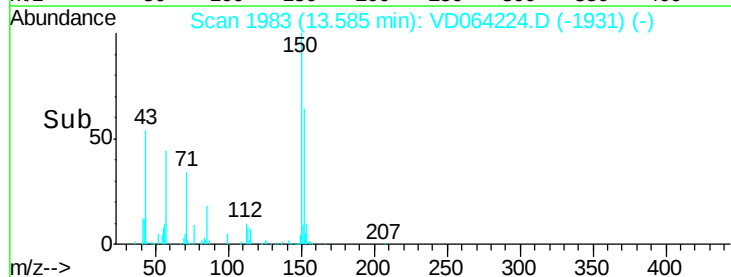
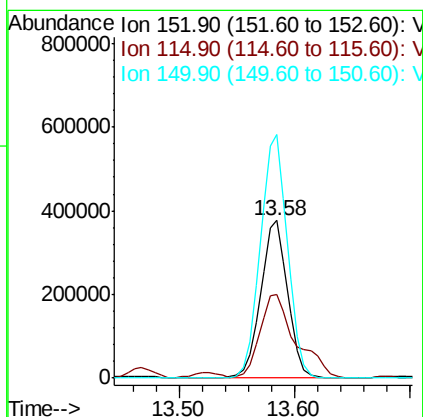
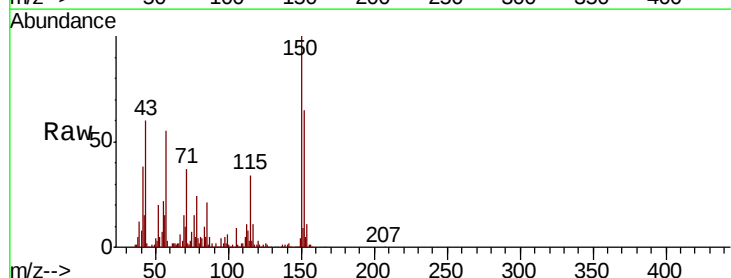
Manual Integrations
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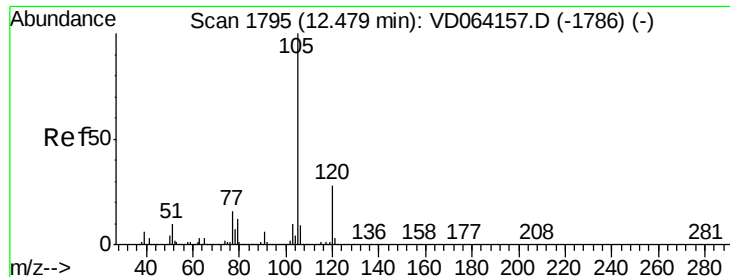
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.1	27.4	82.2
150	155.0	0.0	351.6





#73

Isopropylbenzene

Concen: 5.762 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

Tot Ion: 105 Resp: 259883

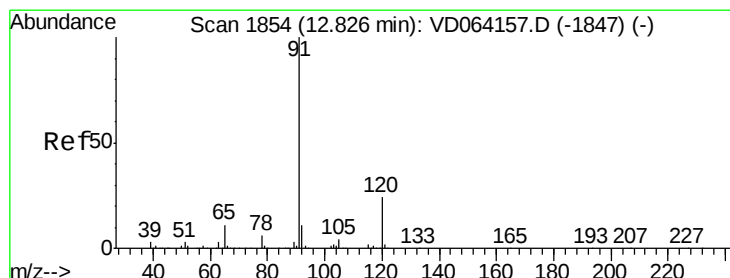
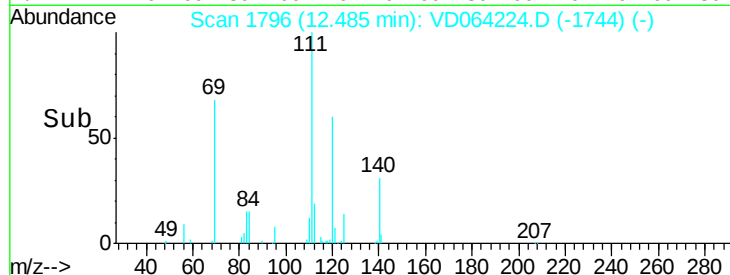
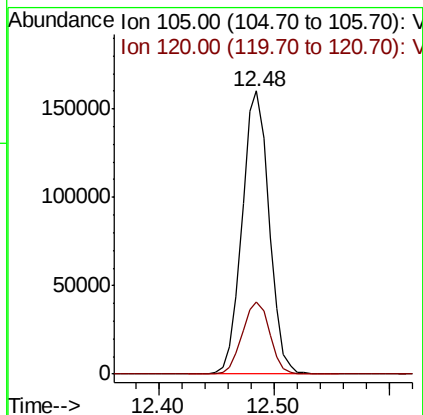
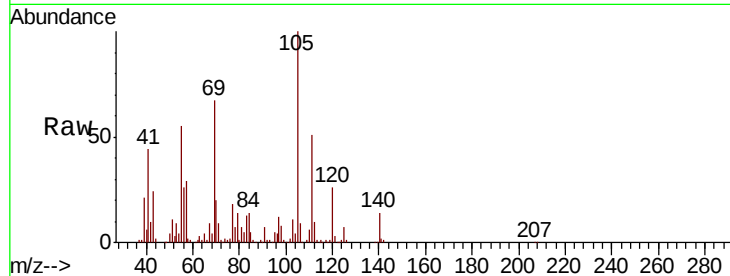
Ion Ratio Lower Upper

105 100

120 26.0 13.6 40.8

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#78

n-propylbenzene

Concen: 27.043 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064224.D

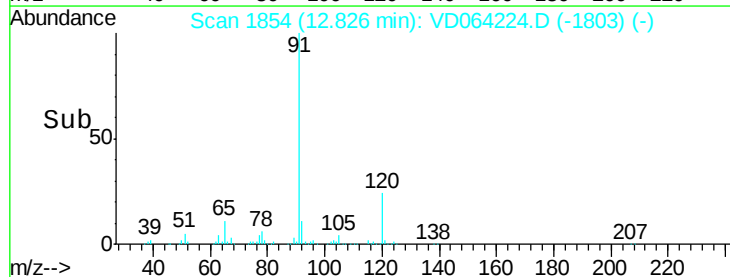
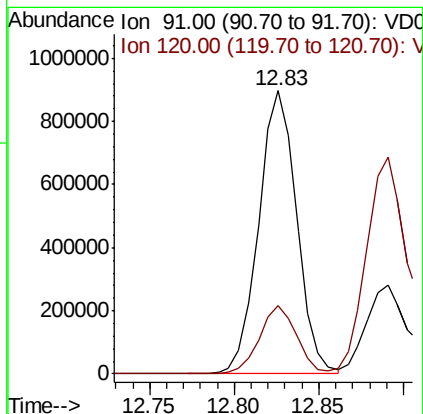
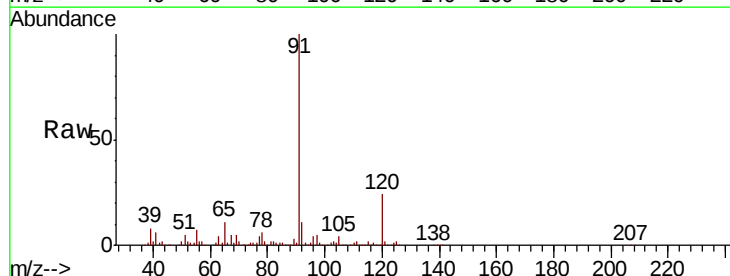
Acq: 15 Nov 2019 13:40

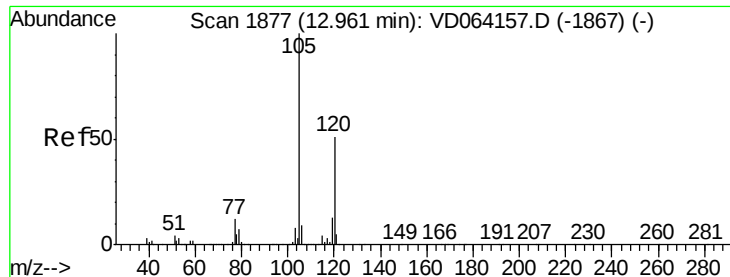
Tgt Ion: 91 Resp: 1393657

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4





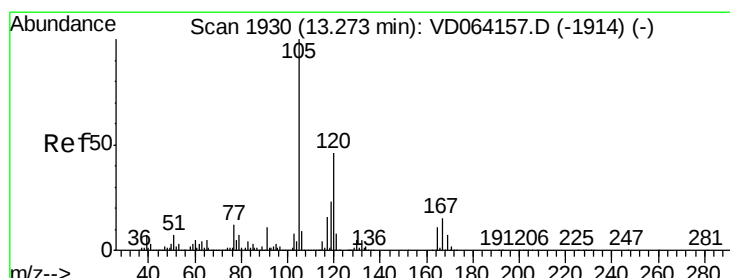
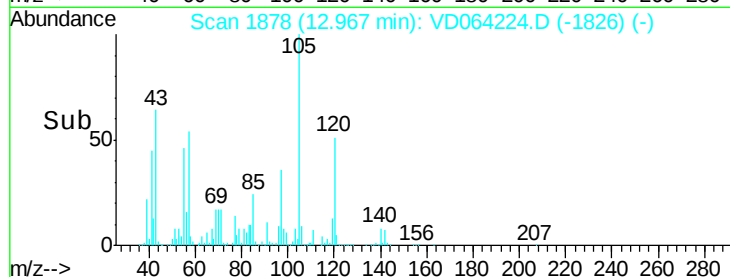
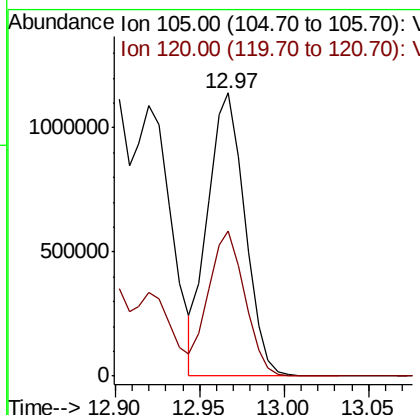
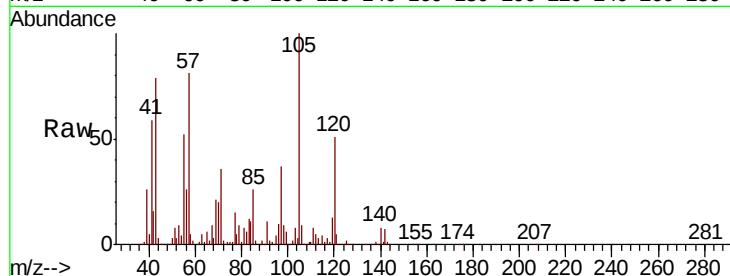
#80
 1,3,5-Trimethylbenzene
 Concen: 47.010 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-111419

Tot Ion:105 Resp: 1742363
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.4

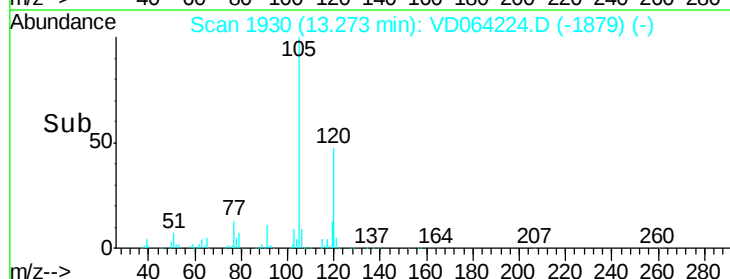
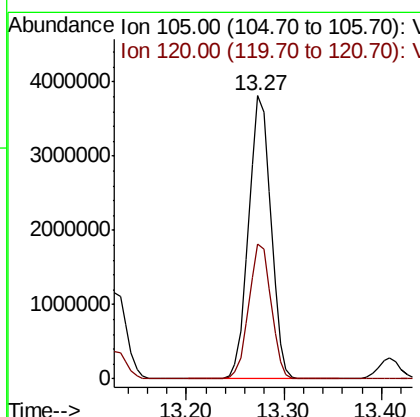
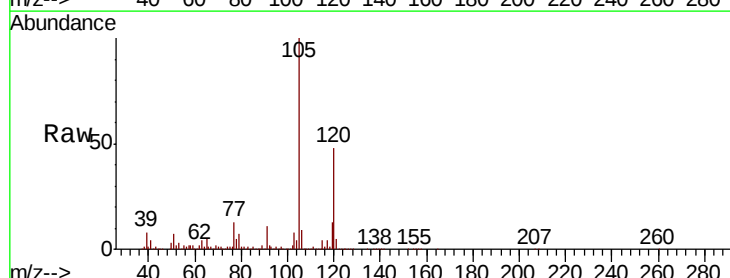
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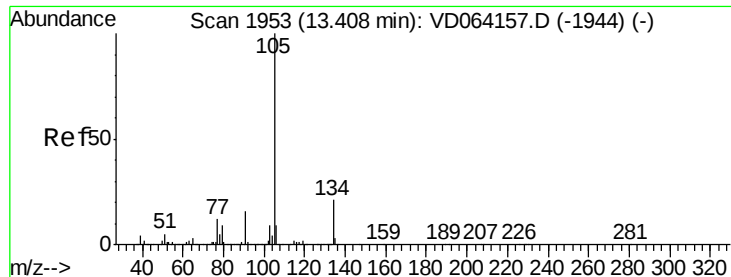
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#84
 1,2,4-Trimethylbenzene
 Concen: 165.996 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

Tgt Ion:105 Resp: 6074050
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 9.803 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

Tot Ion:105 Resp: 430292

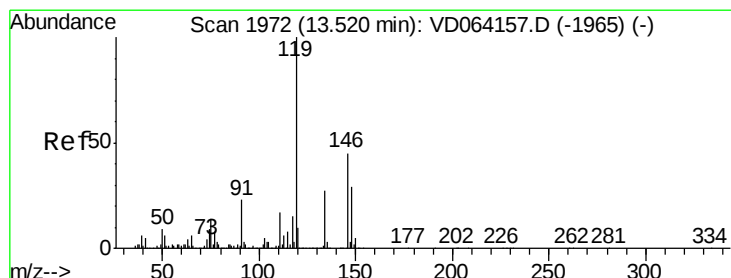
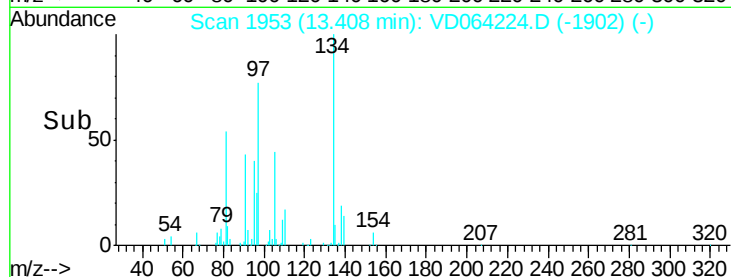
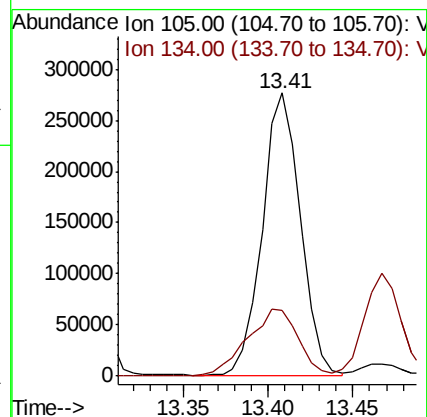
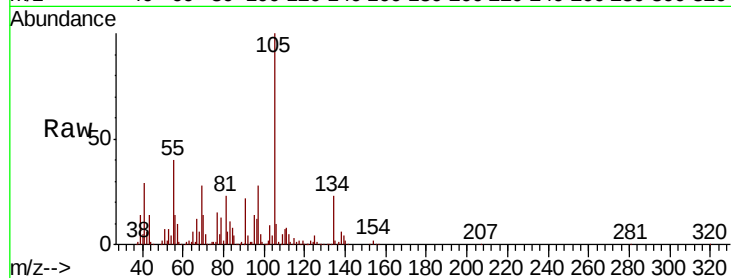
Ion Ratio Lower Upper

105 100

134 31.9 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 7.221 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

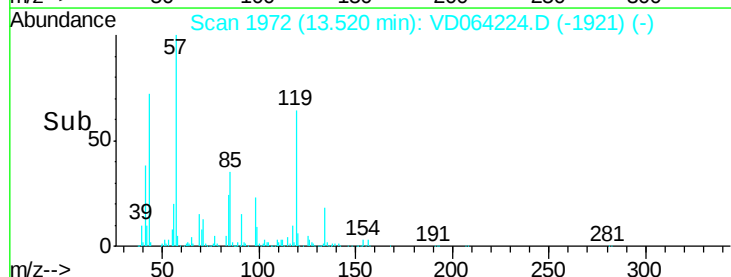
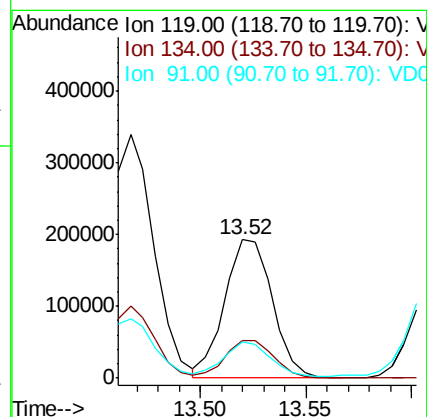
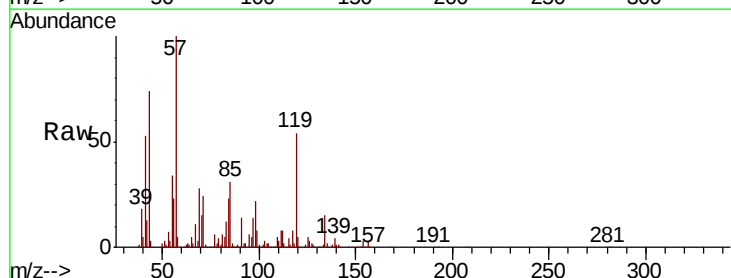
Tgt Ion:119 Resp: 301347

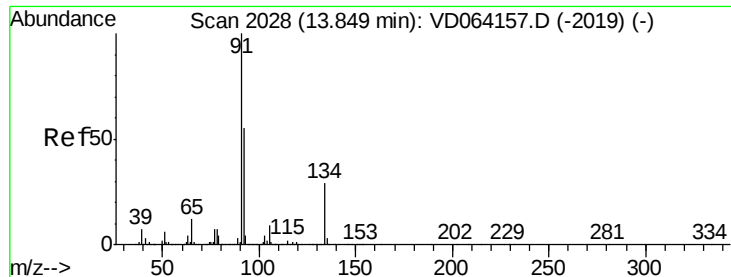
Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.5

91 23.6 11.5 34.4





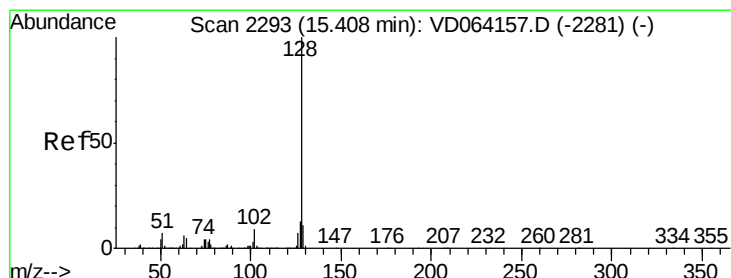
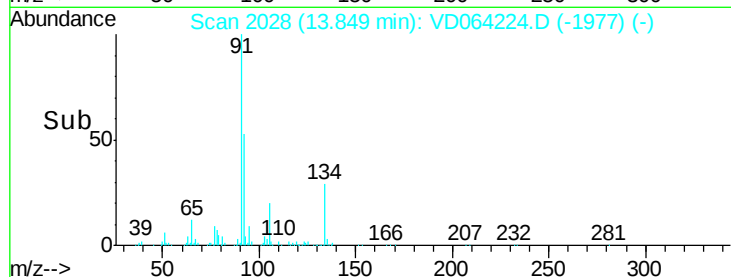
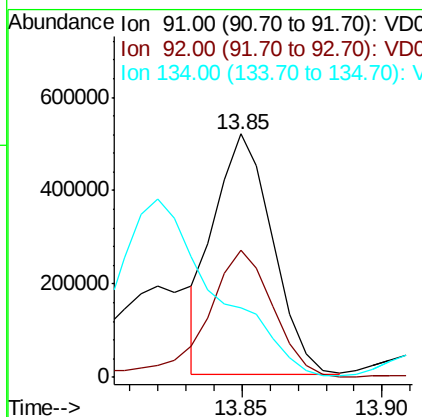
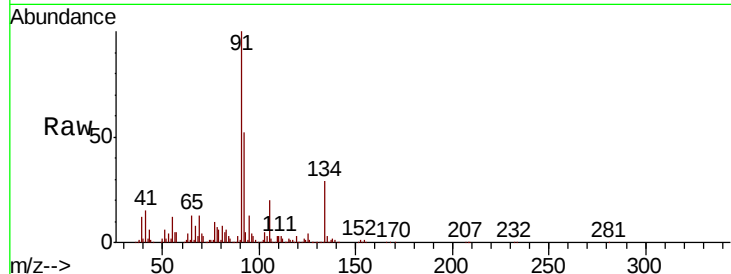
#89
n-Butylbenzene
Concen: 19.840 ug/l m
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	27.3	81.8
134	0.0	14.1	42.4#

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#95
Naphthalene
Concen: 11.524 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.6	10.5	15.7#
129	14.1	8.6	13.0#

