

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064188.D
 Acq On : 11 Nov 2019 20:08
 Operator : VA/SY
 Sample : K5782-05
 Misc : 8.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2A-COMP

Quant Time: Nov 12 03:52:10 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

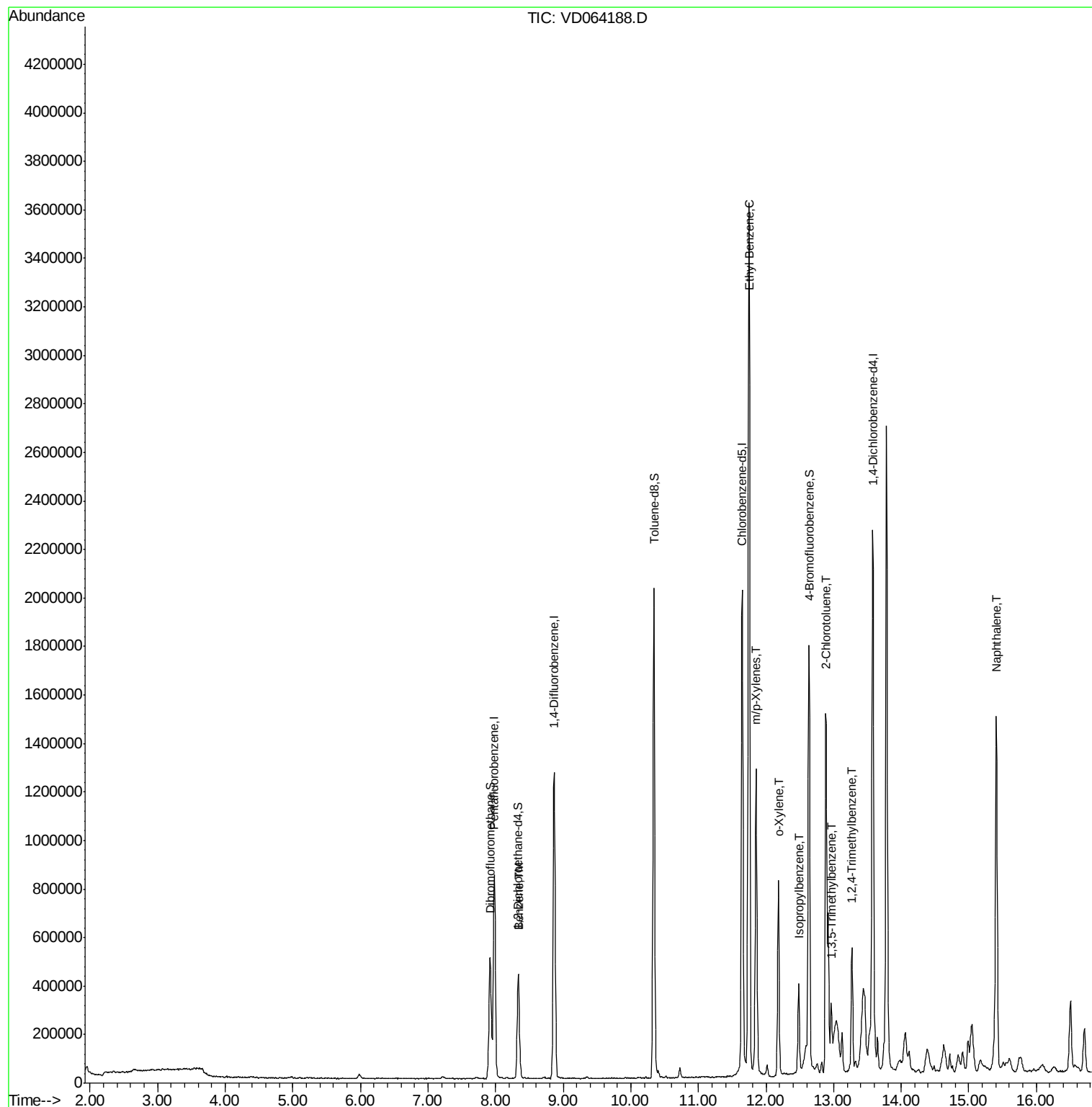
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	681880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1131290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1136785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	609402	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	328805	58.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.26%	
35) Dibromofluoromethane	7.92	113	356581	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
50) Toluene-d8	10.34	98	1373065	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	
62) 4-Bromofluorobenzene	12.64	95	537215	63.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.64%	
Target Compounds						
40) Benzene	8.34	78	47934	1.680	ug/l	99
67) Ethyl Benzene	11.75	91	2632209	62.950	ug/l	100
68) m/p-Xylenes	11.86	106	409169	25.529	ug/l	98
69) o-Xylene	12.18	106	218950	14.730	ug/l	98
73) Isopropylbenzene	12.48	105	217129	4.854	ug/l	98
79) 2-Chlorotoluene	12.89	91	156615	5.428	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.96	105	106384	2.894	ug/l	93
84) 1,2,4-Trimethylbenzene	13.27	105	276976	7.633	ug/l	99
95) Naphthalene	15.41	128	1485432	68.801	ug/l	100

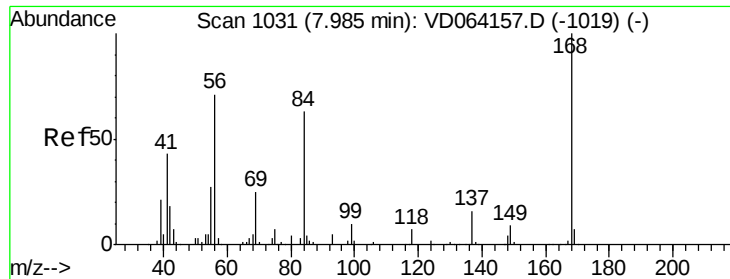
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111119\
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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: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

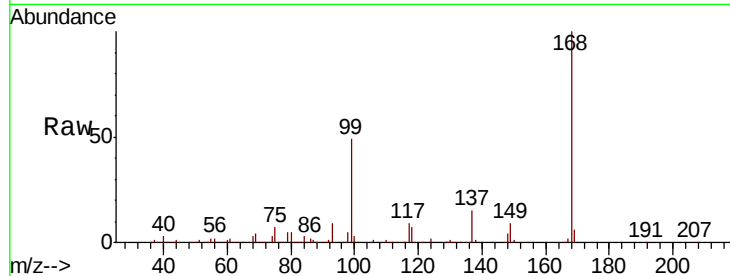
TP-2A-COMP

Tot Ion:168 Resp: 681880

Ion Ratio Lower Upper

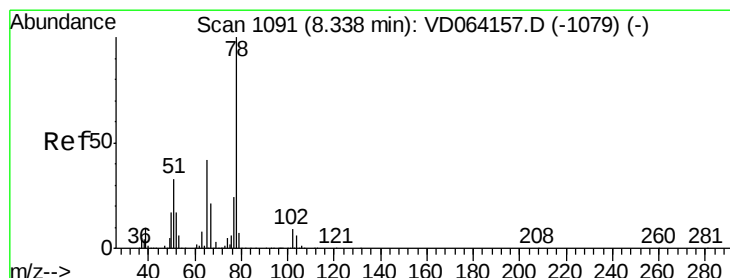
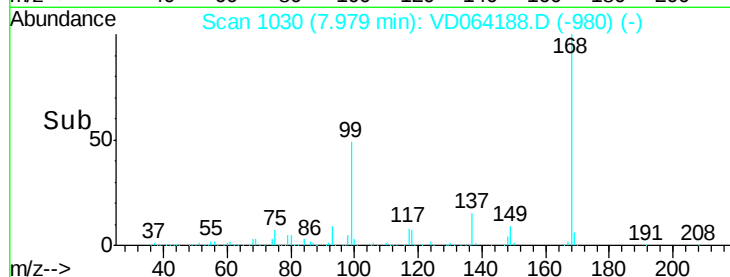
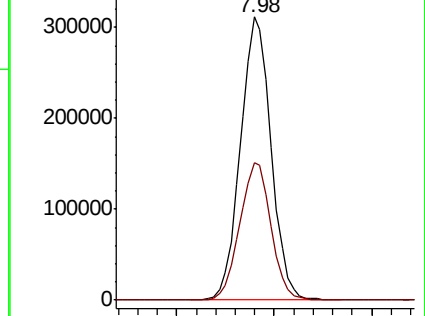
168 100

99 48.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 58.631 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064188.D

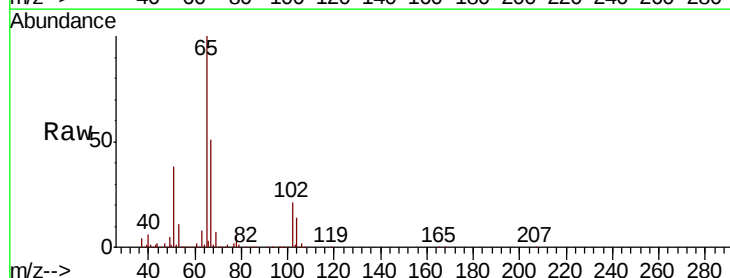
Acq: 11 Nov 2019 20:08

Tgt Ion: 65 Resp: 328805

Ion Ratio Lower Upper

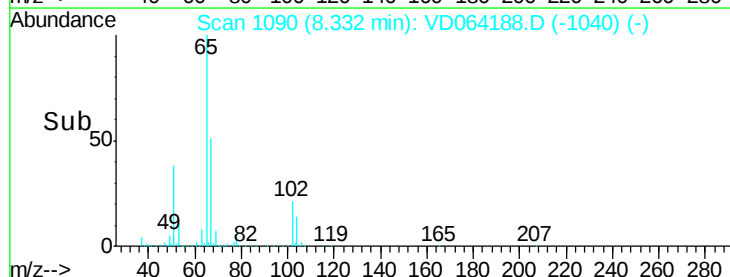
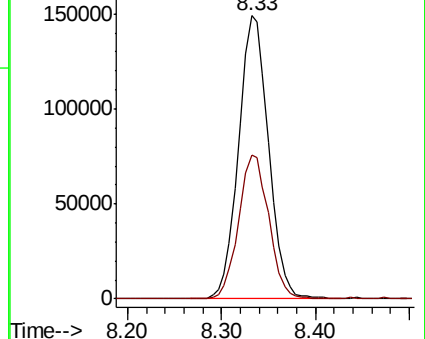
65 100

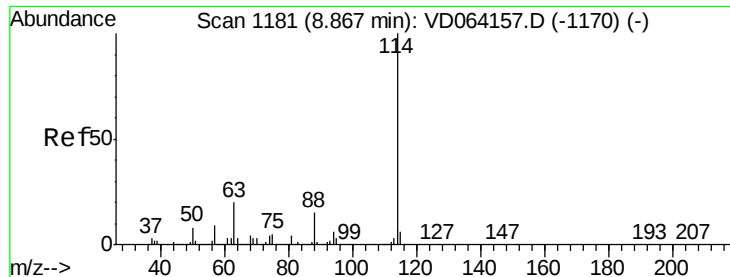
67 51.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

TP-2A-COMP

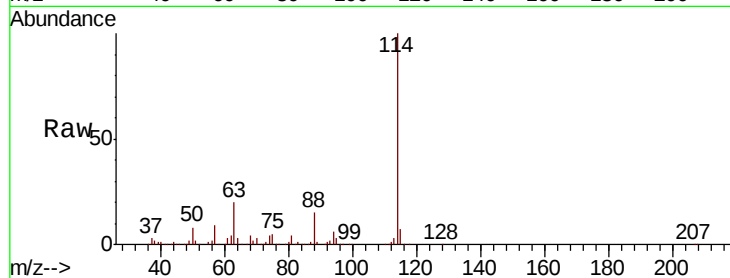
Tot Ion:114 Resp: 1131290

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

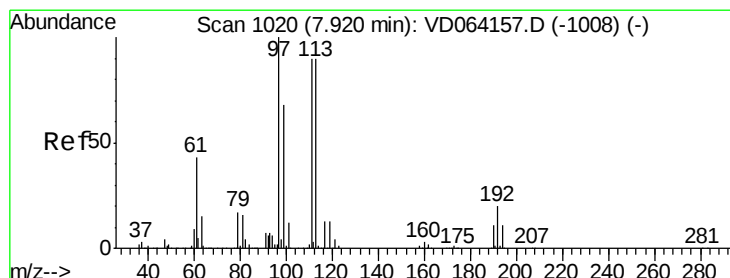
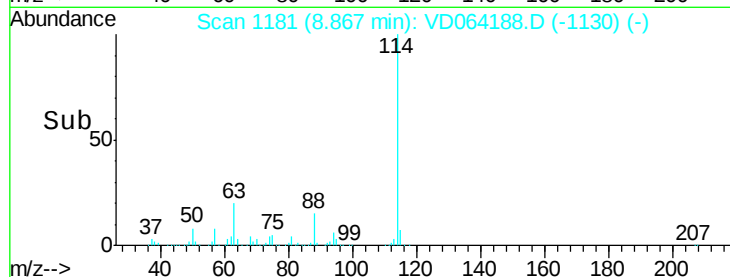
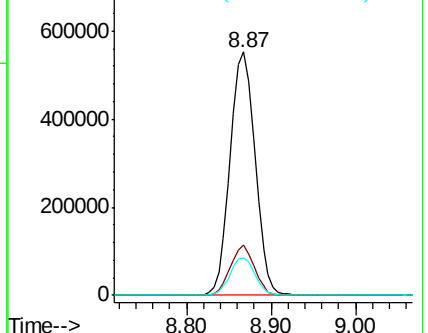
88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 54.911 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

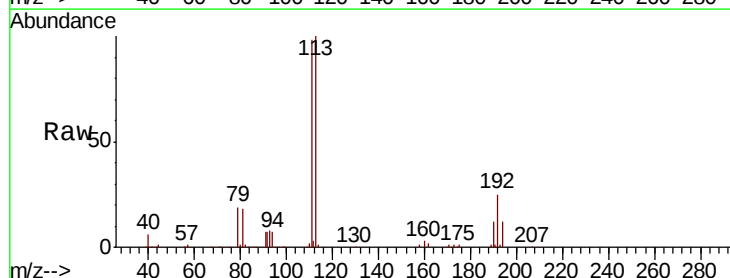
Tgt Ion:113 Resp: 356581

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

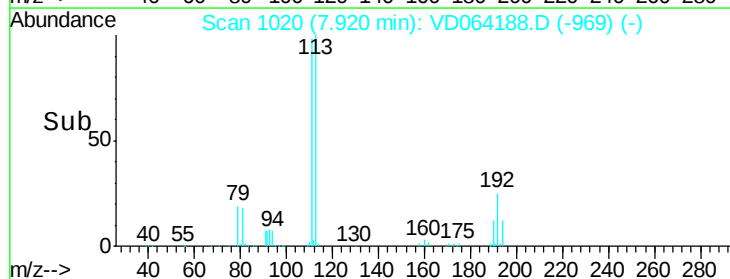
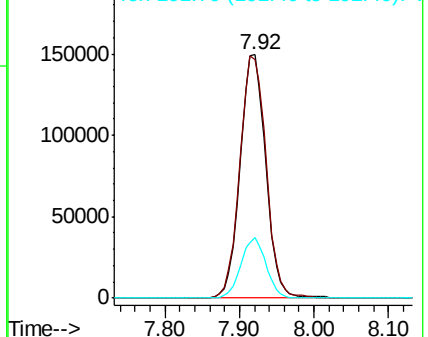
192 24.2 18.8 28.2

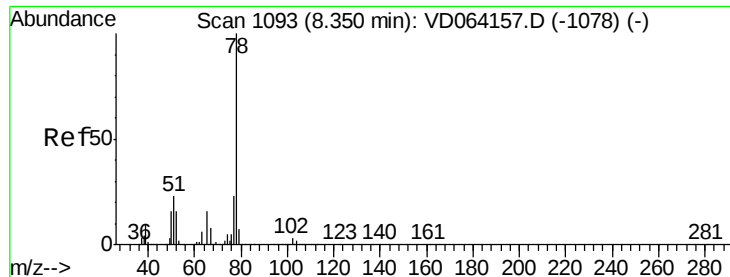


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.680 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

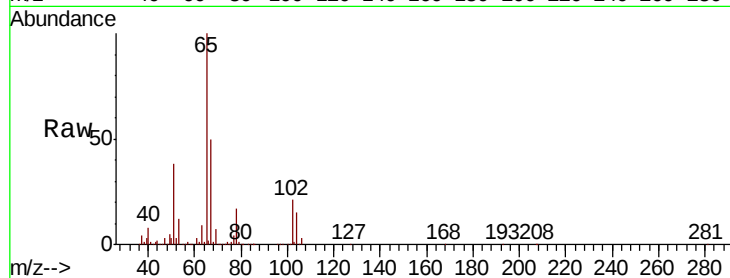
TP-2A-COMP

Tot Ion: 78 Resp: 47934

Ion Ratio Lower Upper

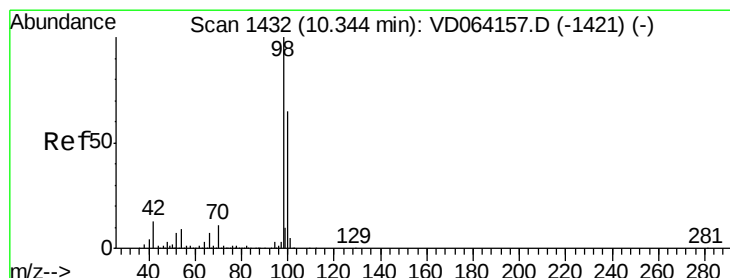
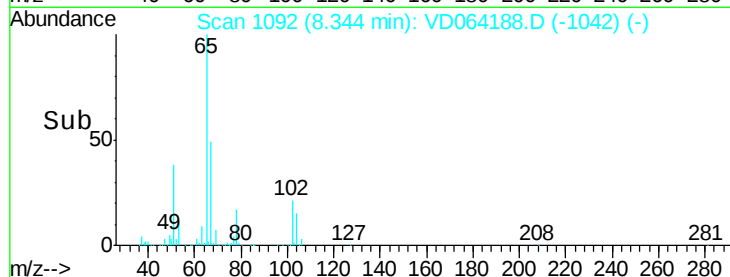
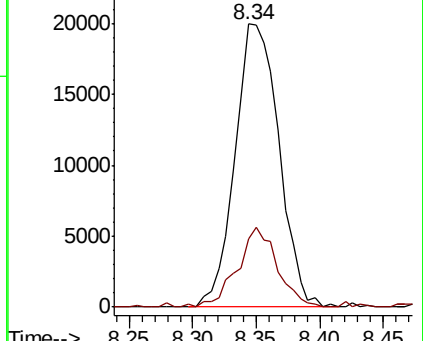
78 100

77 24.0 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



#50

Toluene-d8

Concen: 56.050 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064188.D

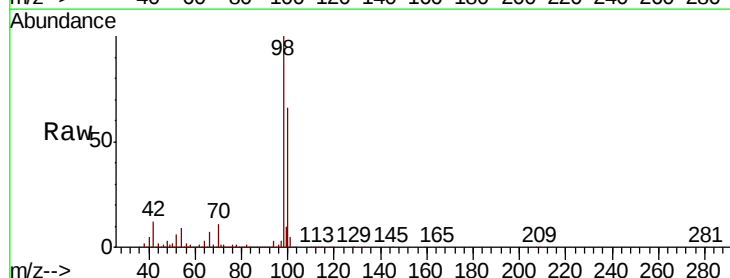
Acq: 11 Nov 2019 20:08

Tgt Ion: 98 Resp: 1373065

Ion Ratio Lower Upper

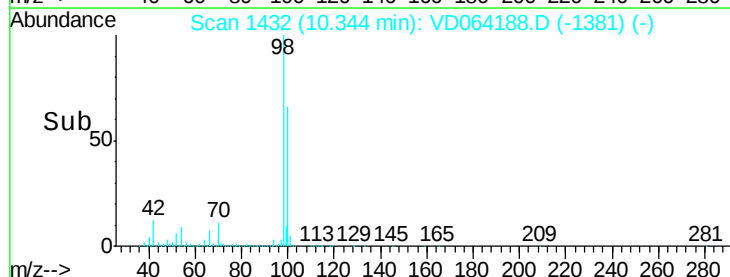
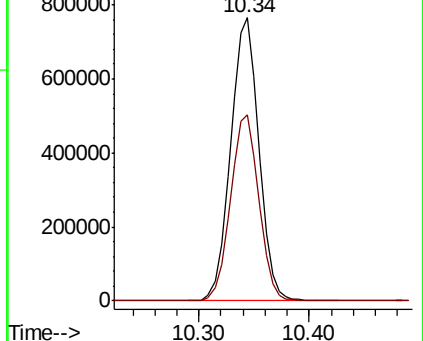
98 100

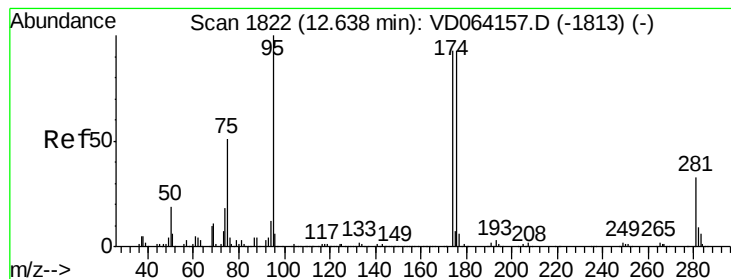
100 66.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 63.324 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

TP-2A-COMP

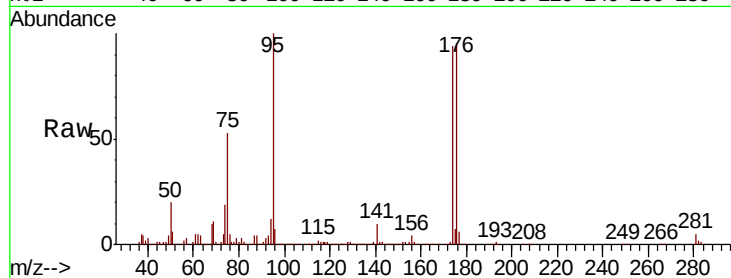
Tot Ion: 95 Resp: 537215

Ion Ratio Lower Upper

95 100

174 92.4 0.0 183.6

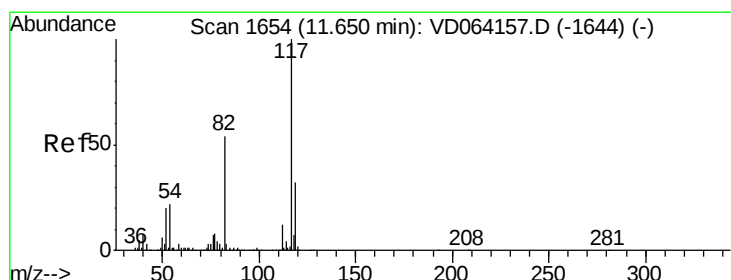
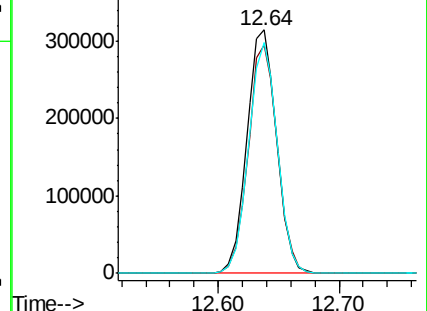
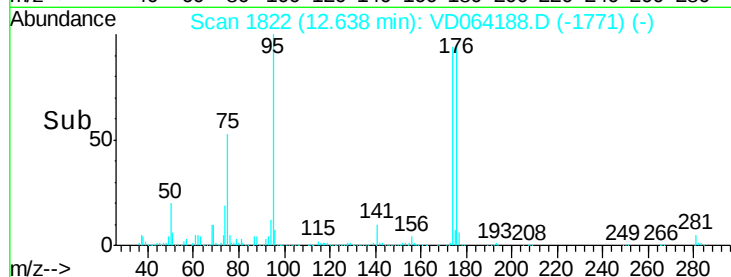
176 92.0 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

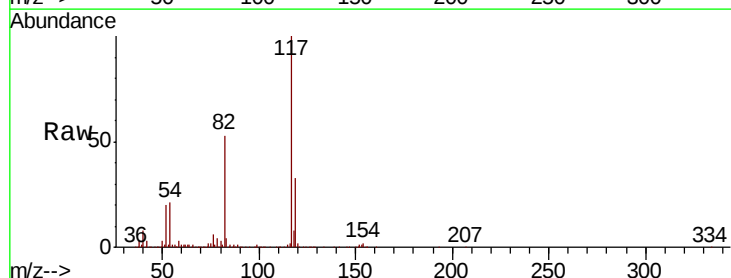
Tgt Ion: 117 Resp: 1136785

Ion Ratio Lower Upper

117 100

82 52.5 42.8 64.2

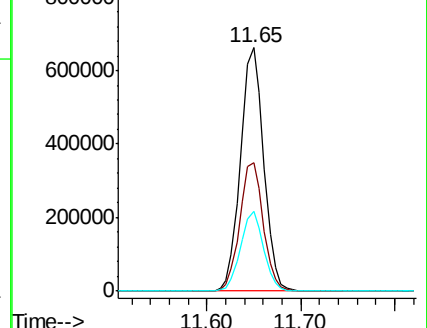
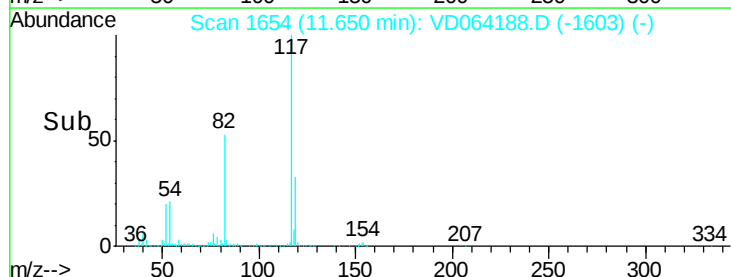
119 32.7 25.6 38.4

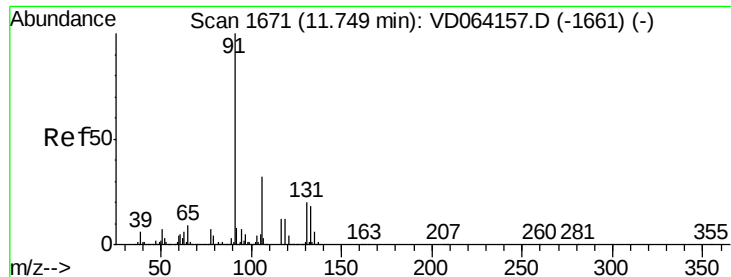


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 62.950 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

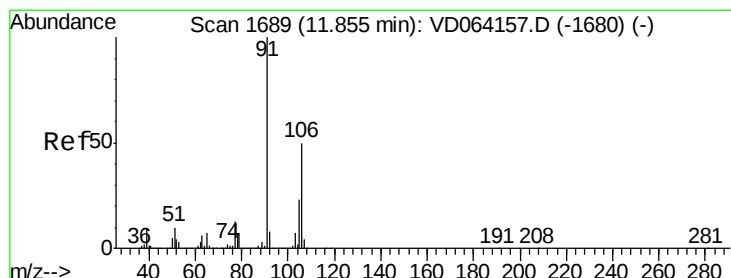
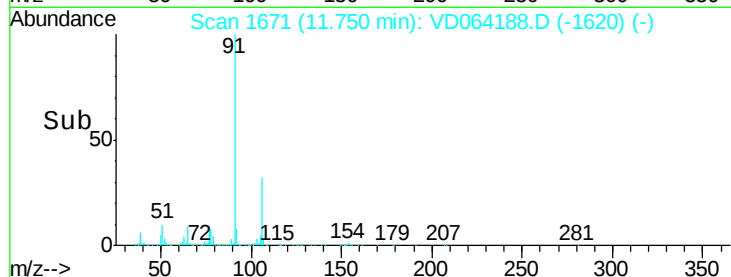
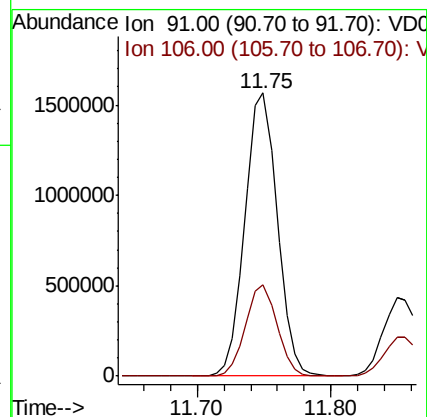
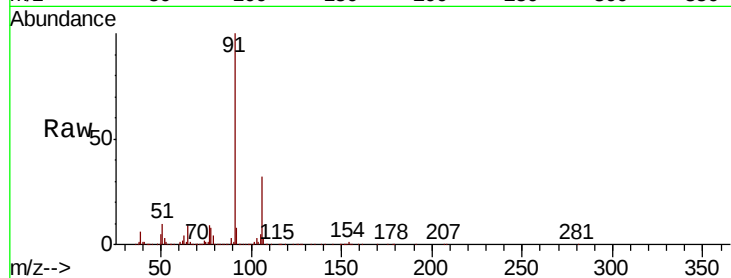
TP-2A-COMP

Tot Ion: 91 Resp: 2632209

Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3



#68

m/p-Xylenes

Concen: 25.529 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064188.D

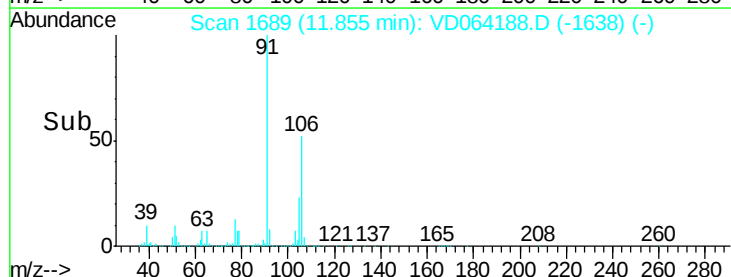
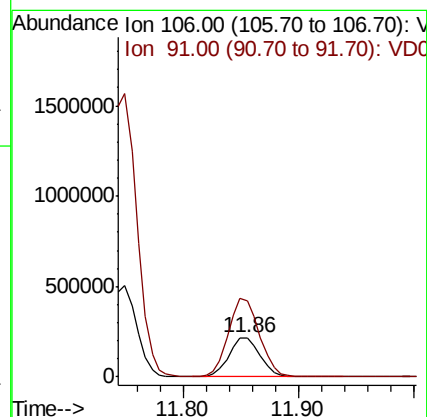
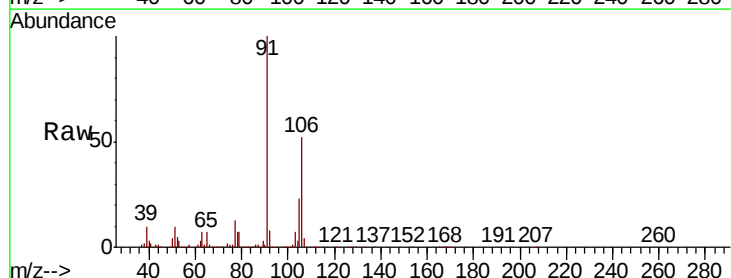
Acq: 11 Nov 2019 20:08

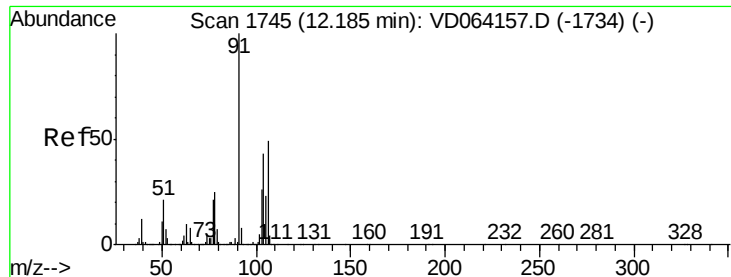
Tgt Ion: 106 Resp: 409169

Ion Ratio Lower Upper

106 100

91 197.0 160.3 240.5

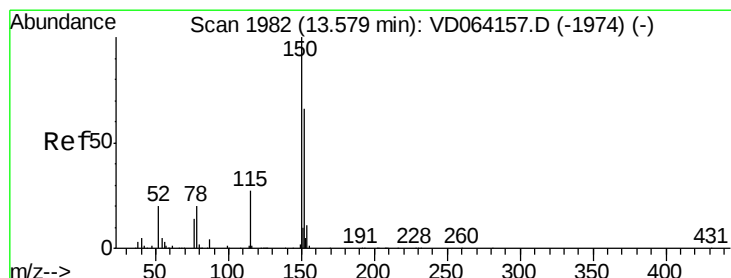
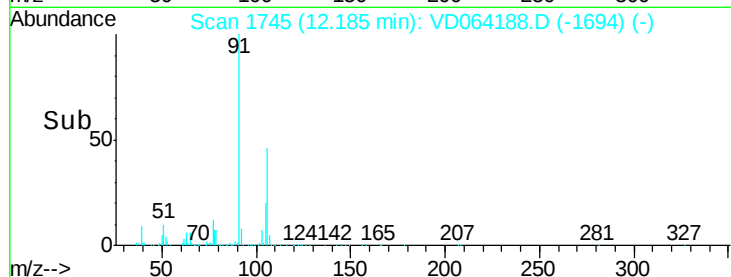
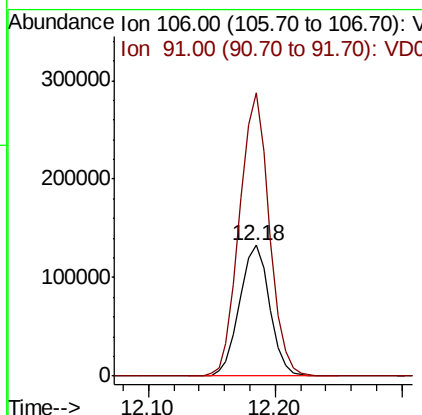
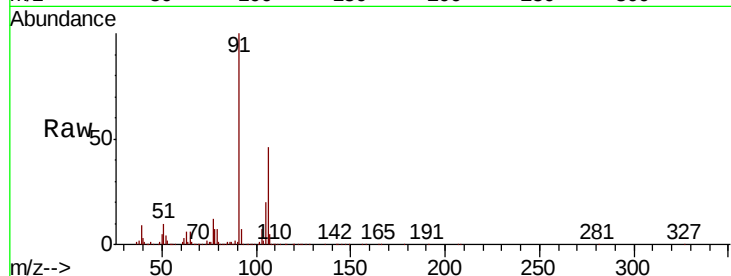




#69
o-Xylene
Concen: 14.730 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064188.D
Acq: 11 Nov 2019 20:08

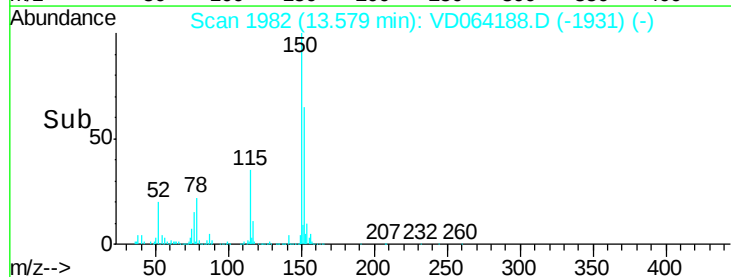
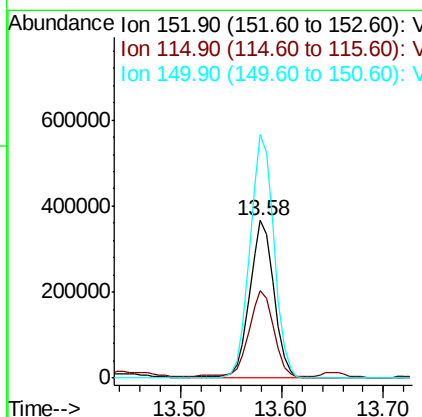
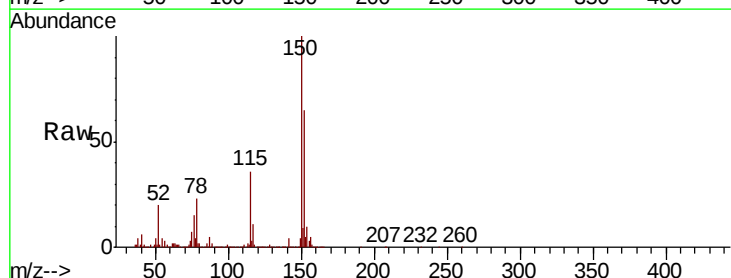
Instrument :
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TP-2A-COMP

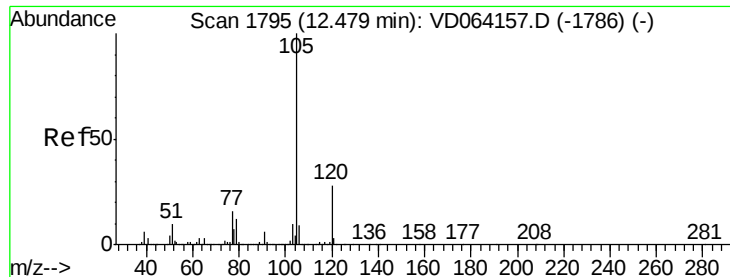
Tot Ion:106 Resp: 218950
Ion Ratio Lower Upper
106 100
91 213.0 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064188.D
Acq: 11 Nov 2019 20:08

Tgt Ion:152 Resp: 609402
Ion Ratio Lower Upper
152 100
115 58.3 27.4 82.2
150 151.9 0.0 351.6





#73

Isopropylbenzene

Concen: 4.854 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064188.D

Acq: 11 Nov 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

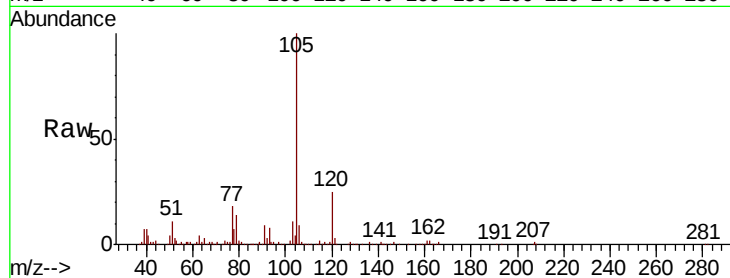
TP-2A-COMP

Tot Ion:105 Resp: 217129

Ion Ratio Lower Upper

105 100

120 26.4 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

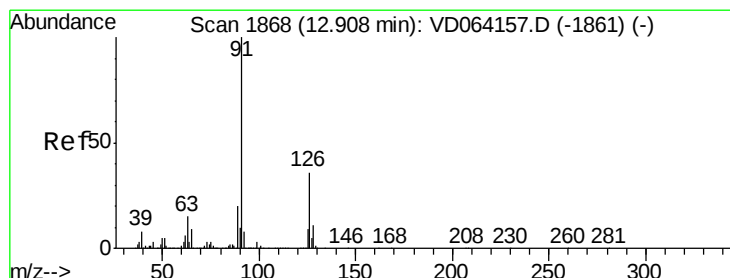
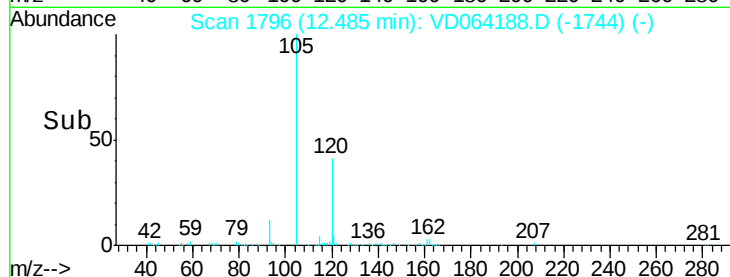
100000

50000

0

12.40 12.50

Time-->



#79

2-Chlorotoluene

Concen: 5.428 ug/l

RT: 12.89 min Scan# 1865

Delta R.T. -0.02 min

Lab File: VD064188.D

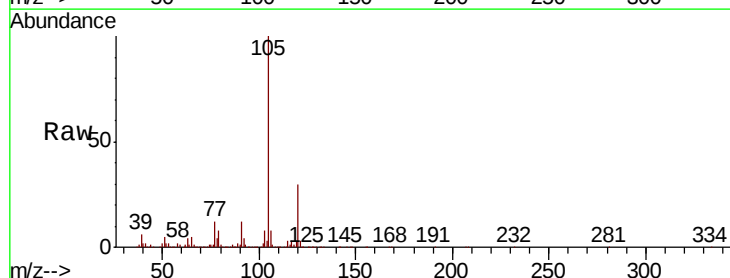
Acq: 11 Nov 2019 20:08

Tgt Ion: 91 Resp: 156615

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

80000

60000

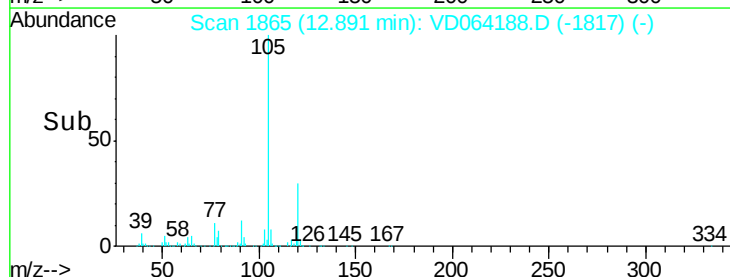
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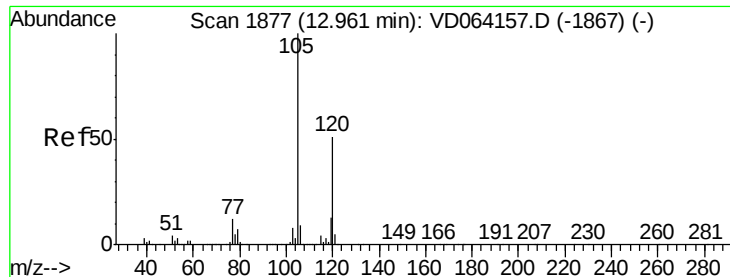
20000

0

12.85 12.90 12.95

Time-->

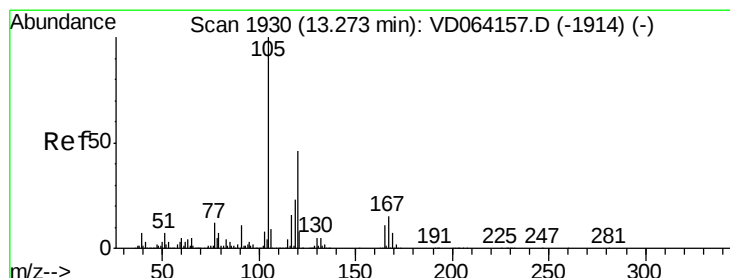
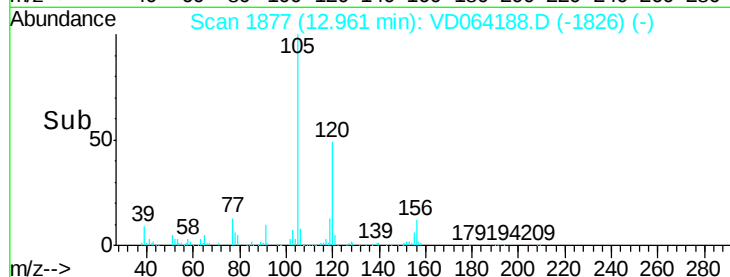
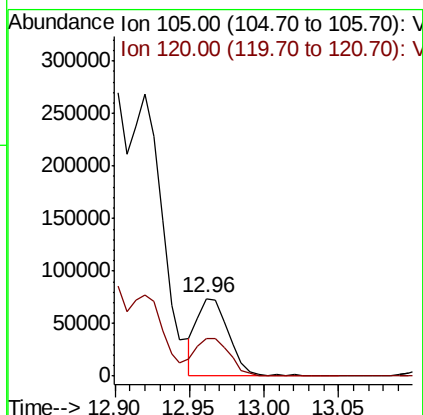
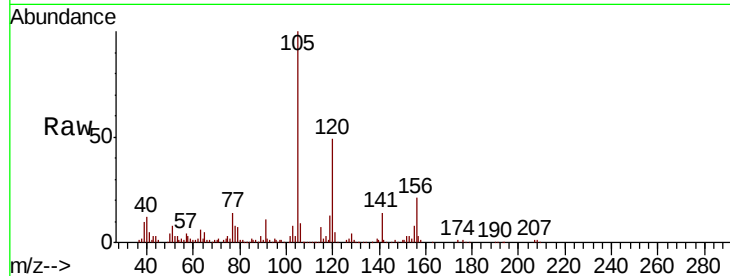




#80
 1,3,5-Trimethylbenzene
 Concen: 2.894 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD064188.D
 Acq: 11 Nov 2019 20:08

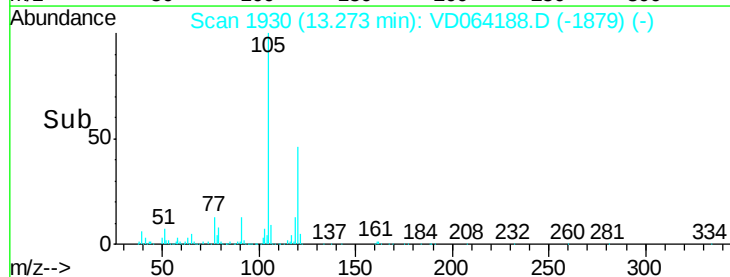
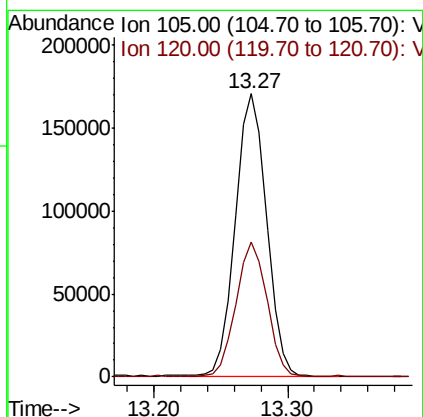
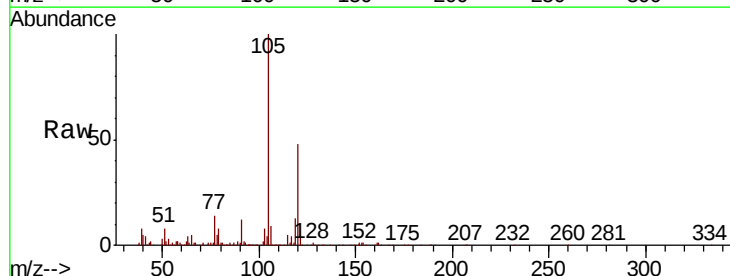
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2A-COMP

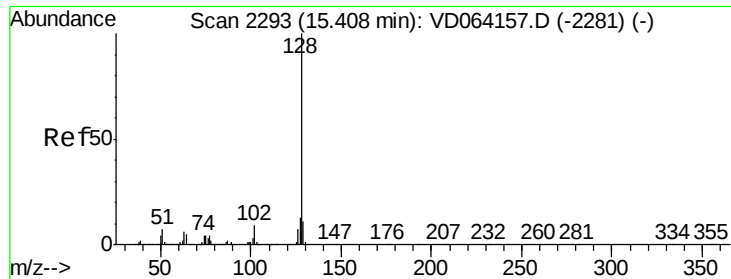
Tot Ion:105 Resp: 106384
 Ion Ratio Lower Upper
 105 100
 120 55.6 25.4 76.4



#84
 1,2,4-Trimethylbenzene
 Concen: 7.633 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064188.D
 Acq: 11 Nov 2019 20:08

Tgt Ion:105 Resp: 276976
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8





#95
Naphthalene
Concen: 68.801 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064188.D
Acq: 11 Nov 2019 20:08

Instrument :
MSVOA_D
ClientSampleId :
TP-2A-COMP

Tot Ion:128 Resp: 1485432
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.9 8.6 13.0

