

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064533.D
 Acq On : 16 Dec 2019 19:53
 Operator : VA/SY
 Sample : K6177-10
 Misc : 6.73G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-8

Quant Time: Dec 17 04:14:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

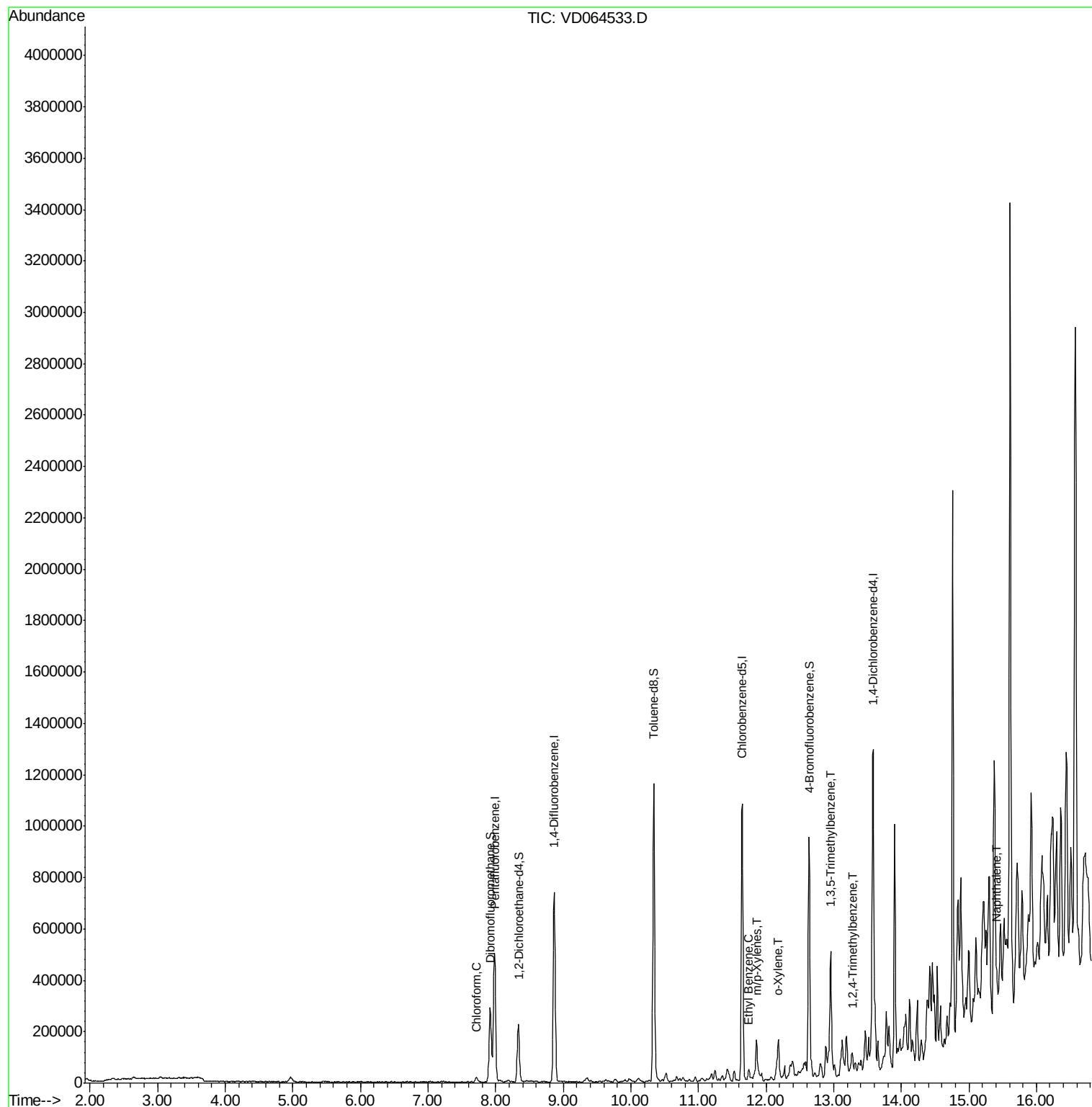
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	404211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	643479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	320584	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	177467	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
35) Dibromofluoromethane	7.92	113	195118	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
50) Toluene-d8	10.34	98	780686	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.64	95	275870	56.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.42%	
Target Compounds						
30) Chloroform	7.71	83	17304	2.475	ug/l	99
67) Ethyl Benzene	11.74	91	25874	1.105	ug/l	94
68) m/p-Xylenes	11.86	106	15550	1.742	ug/l	94
69) o-Xylene	12.18	106	40842	4.955	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	76481	4.059	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	42723	2.255	ug/l	100
95) Naphthalene	15.41	128	57205	4.846	ug/l #	89

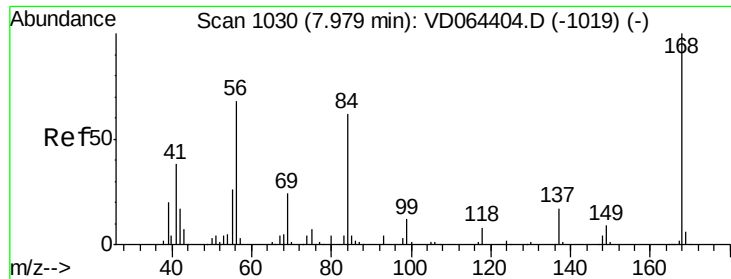
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064533.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

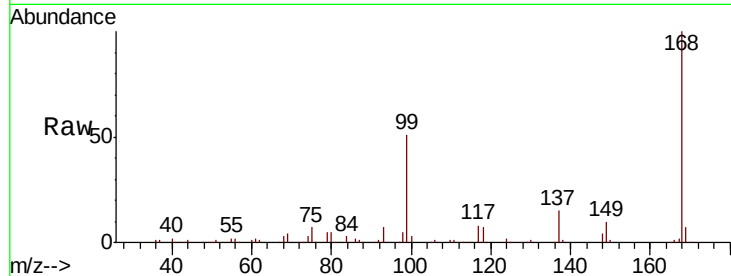
EP-8

Tot Ion:168 Resp: 404211

Ion Ratio Lower Upper

168 100

99 50.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

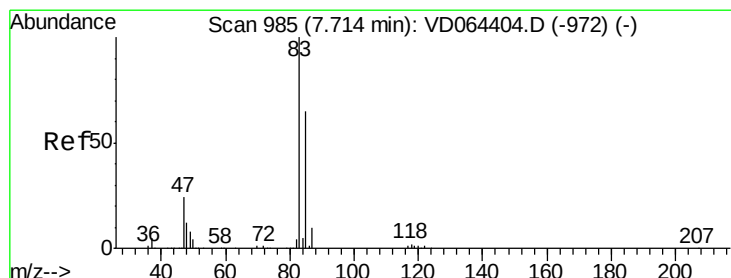
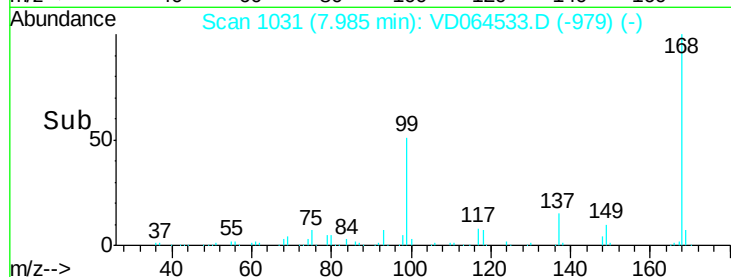
100000

50000

0

Time-->

7.90 8.00 8.10



#30

Chloroform

Concen: 2.475 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064533.D

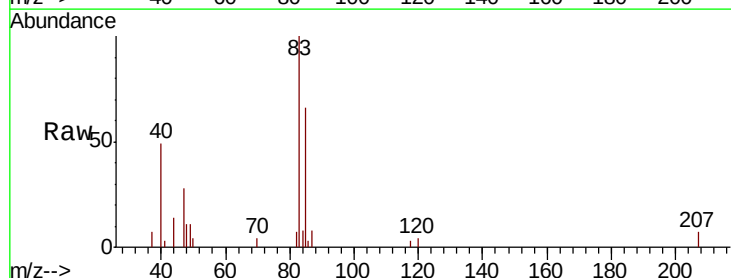
Acq: 16 Dec 2019 19:53

Tgt Ion: 83 Resp: 17304

Ion Ratio Lower Upper

83 100

85 65.9 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

7.71

6000

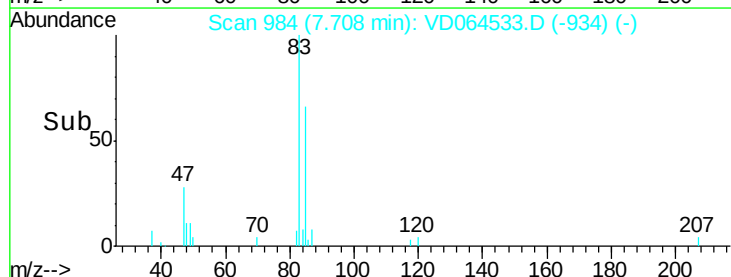
4000

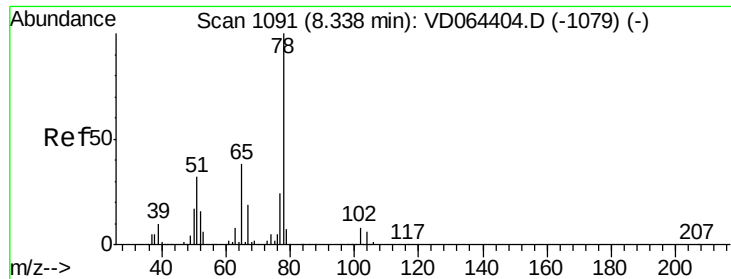
2000

0

Time-->

7.65 7.70 7.75 7.80

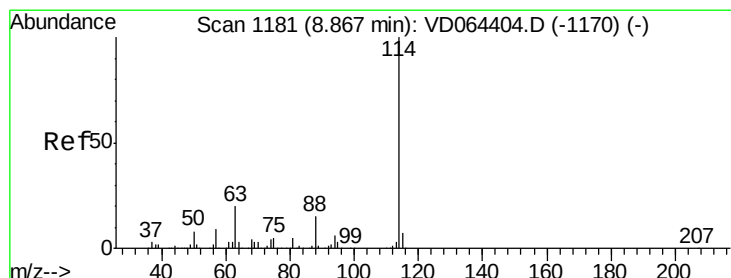
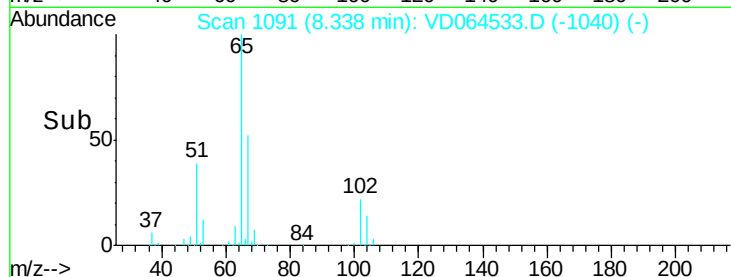
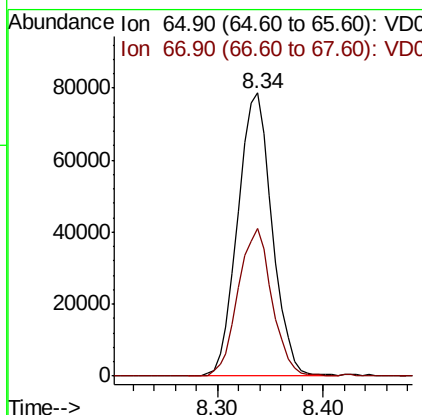
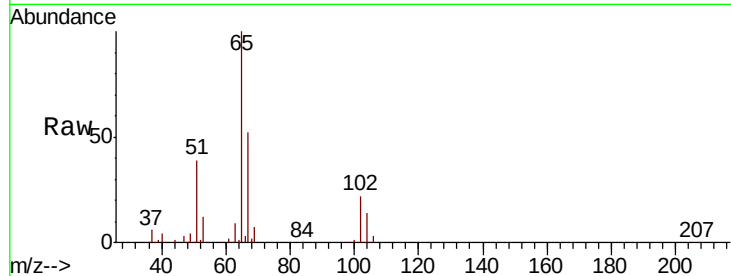




#33
 1,2-Dichloroethane-d4
 Concen: 48.505 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064533.D
 Acq: 16 Dec 2019 19:53

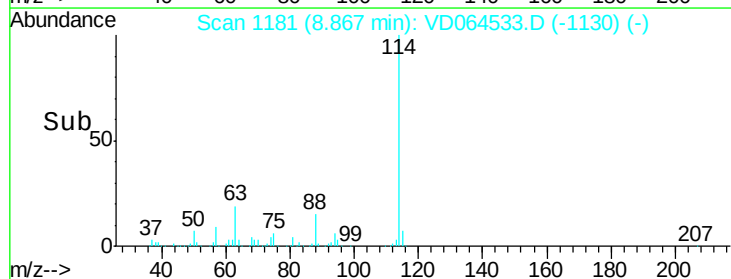
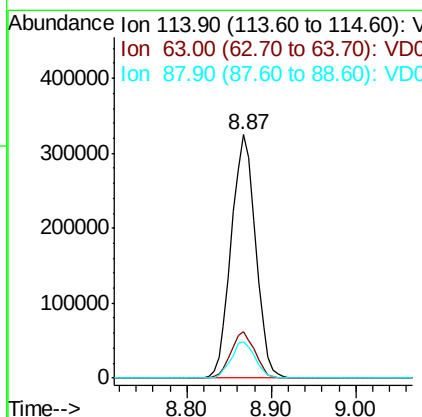
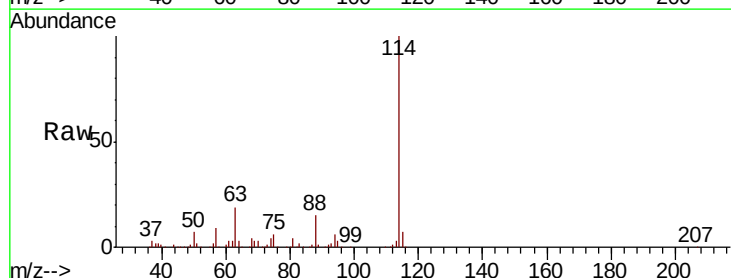
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-8

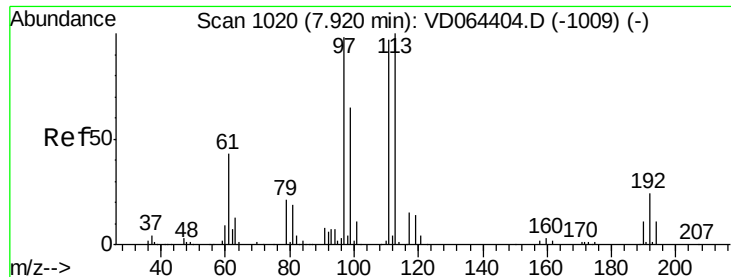
Tot Ion: 65 Resp: 177467
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064533.D
 Acq: 16 Dec 2019 19:53

Tgt Ion: 114 Resp: 643479
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 14.7 0.0 29.2

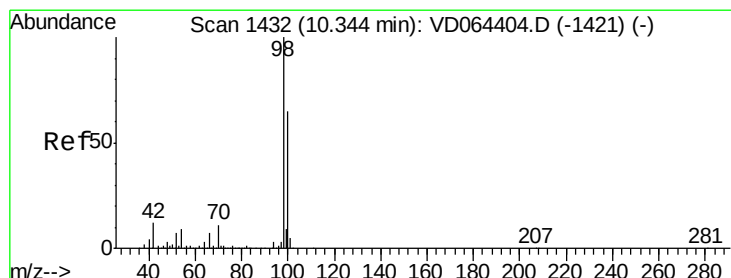
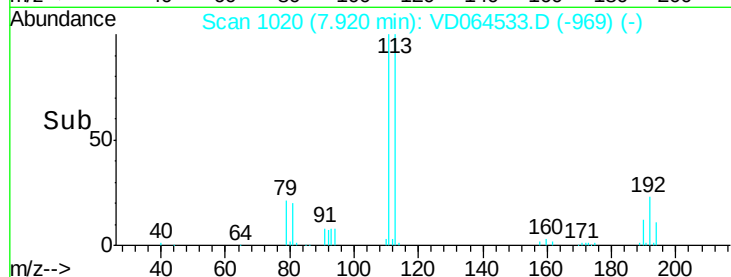
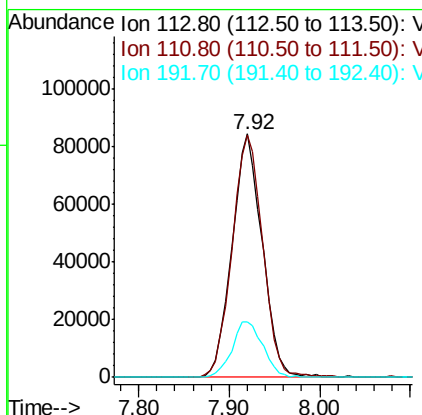
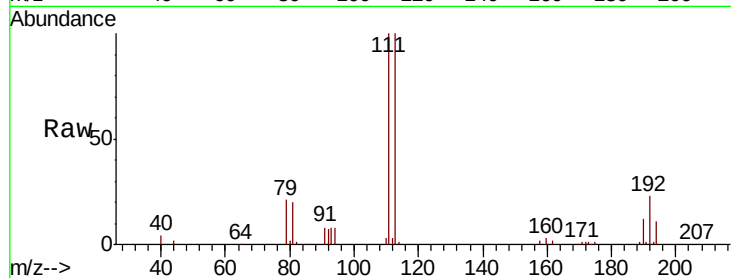




#35
 Dibromofluoromethane
 Concen: 48.127 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064533.D
 Acq: 16 Dec 2019 19:53

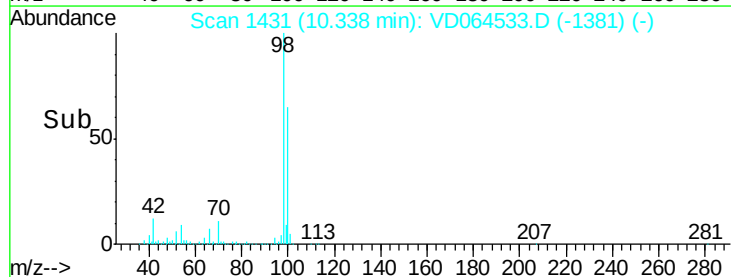
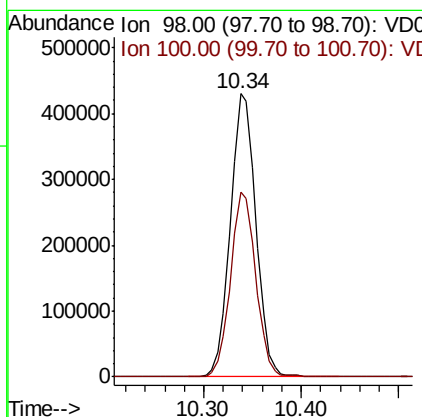
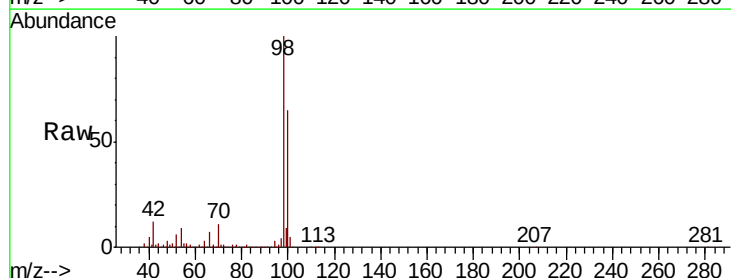
Instrument :
 MSVOA_D
 ClientSampled :
 EP-8

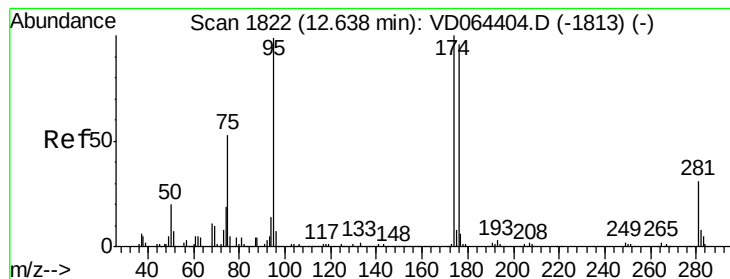
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.4	119.2
192	23.6	18.6	28.0



#50
 Toluene-d8
 Concen: 51.119 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064533.D
 Acq: 16 Dec 2019 19:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0





#62

4-Bromofluorobenzene

Concen: 56.209 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064533.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_D

ClientSampled :

EP-8

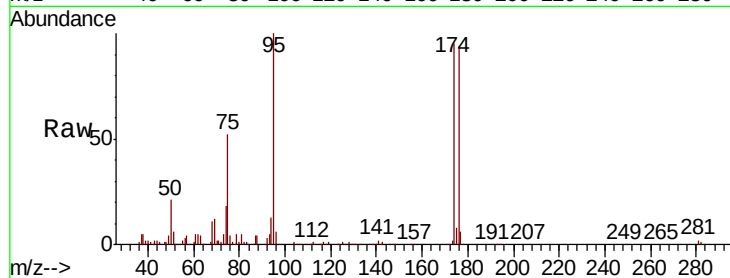
Tot Ion: 95 Resp: 275870

Ion Ratio Lower Upper

95 100

174 94.3 0.0 197.2

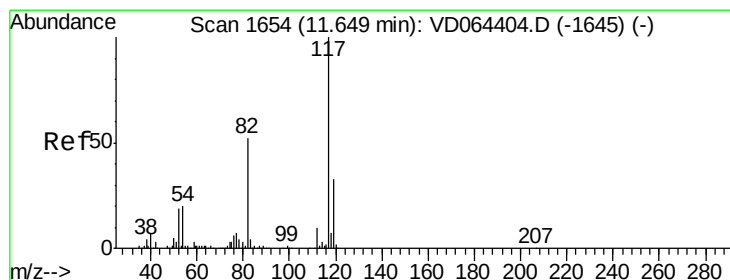
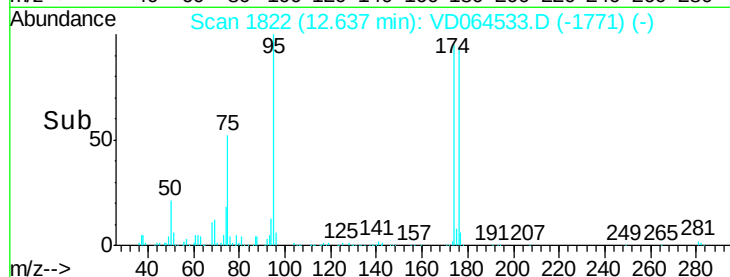
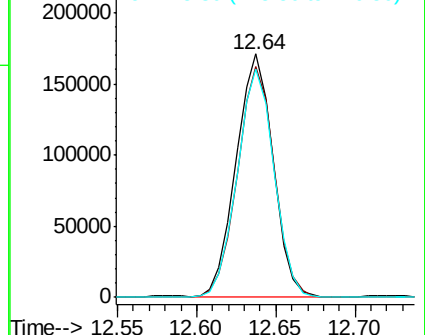
176 93.9 0.0 189.6



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: VD064533.D

Acq: 16 Dec 2019 19:53

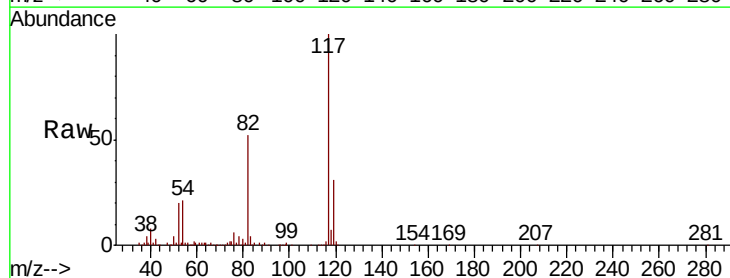
Tgt Ion: 117 Resp: 630772

Ion Ratio Lower Upper

117 100

82 51.6 41.4 62.2

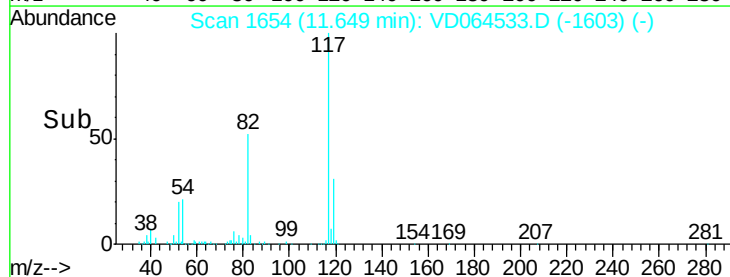
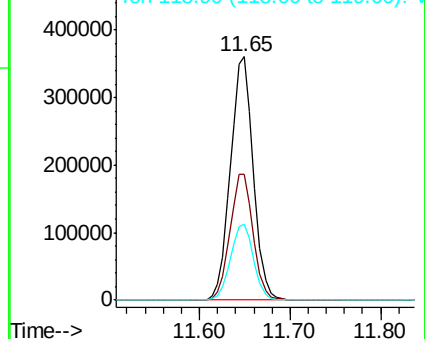
119 31.3 26.2 39.2

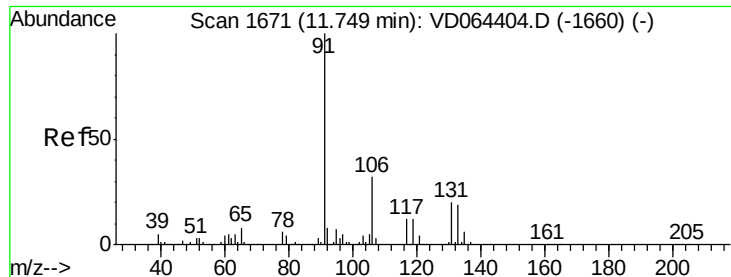


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 1.105 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064533.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_D

ClientSampled :

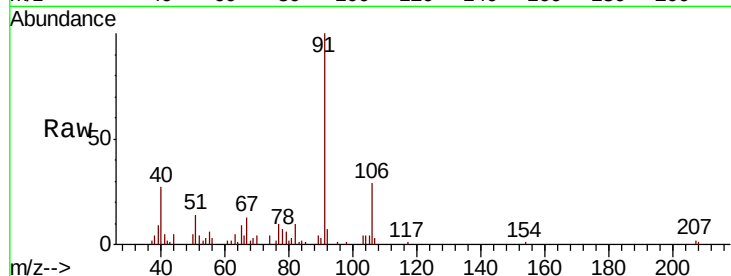
EP-8

Tot Ion: 91 Resp: 25874

Ion Ratio Lower Upper

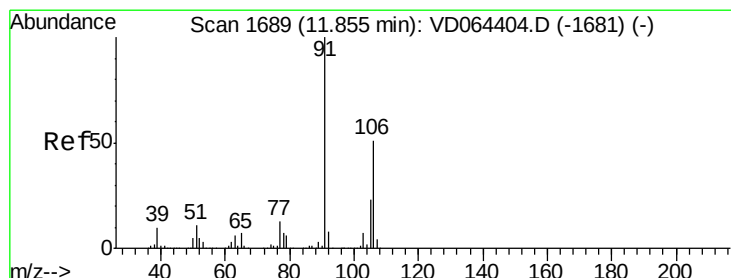
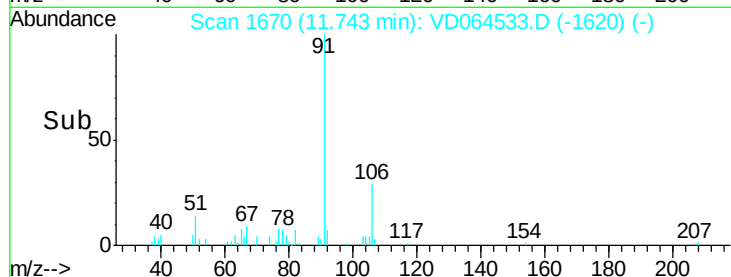
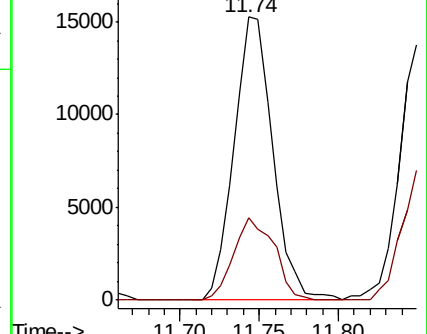
91 100

106 29.1 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 1.742 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064533.D

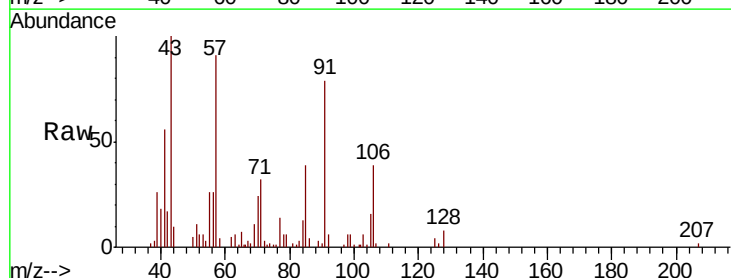
Acq: 16 Dec 2019 19:53

Tgt Ion: 106 Resp: 15550

Ion Ratio Lower Upper

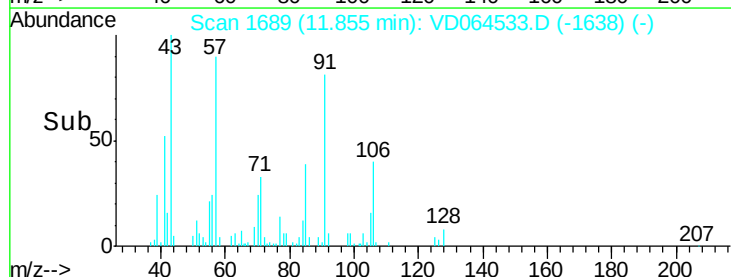
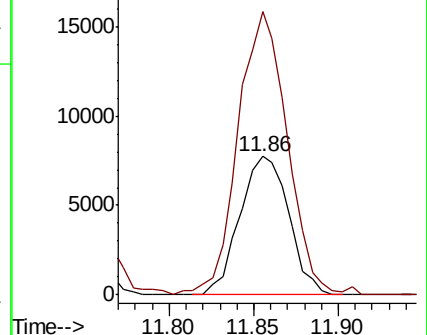
106 100

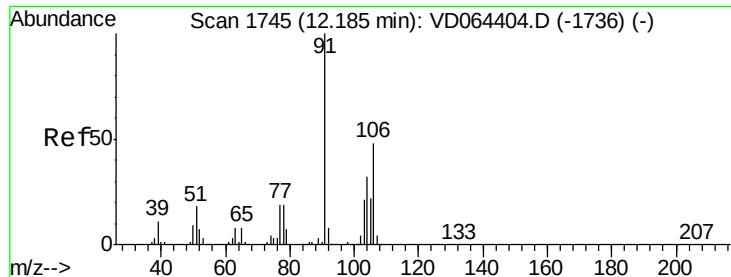
91 206.2 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

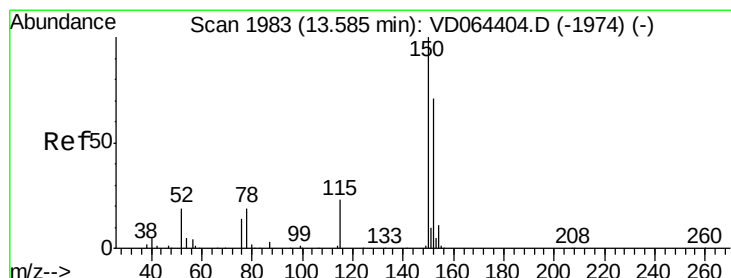
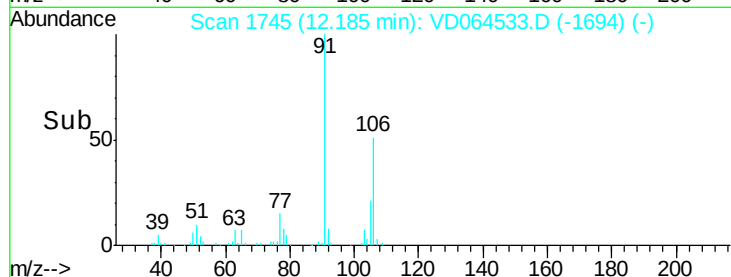
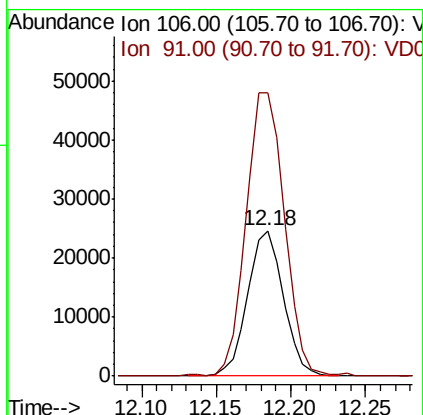
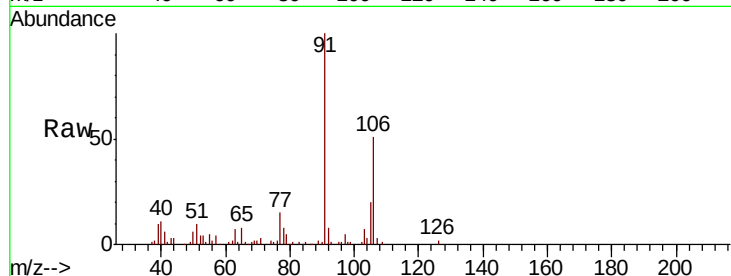




#69
o-Xylene
Concen: 4.955 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064533.D
Acq: 16 Dec 2019 19:53

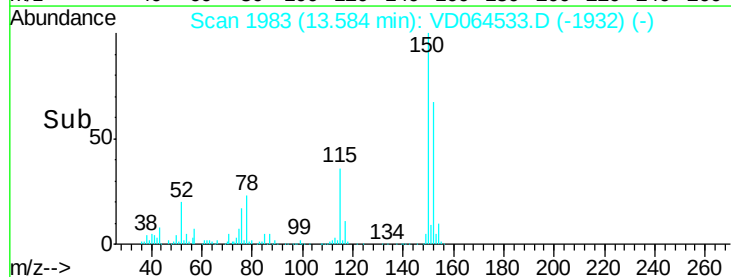
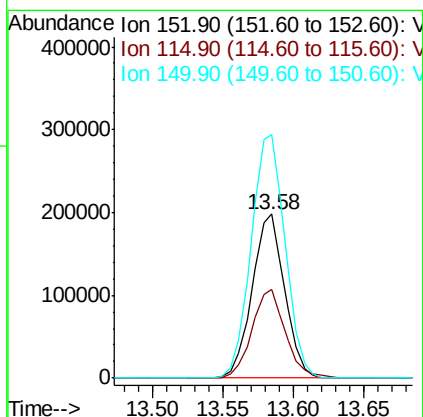
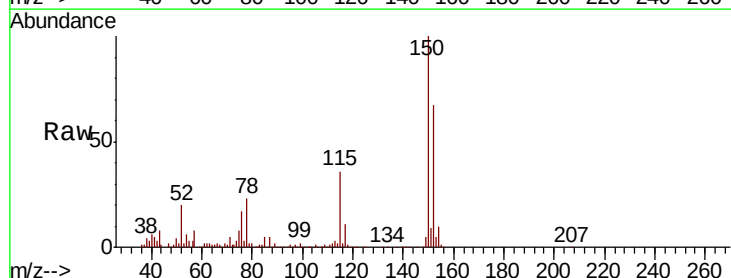
Instrument :
MSVOA_D
ClientSampled :
EP-8

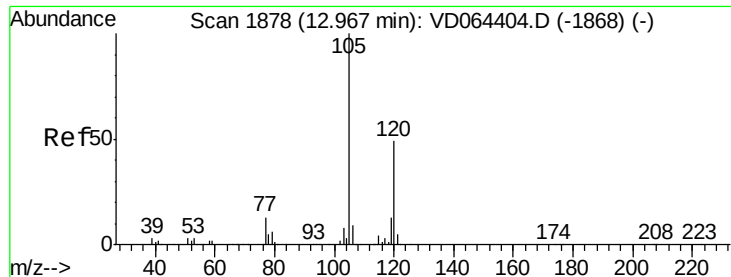
Tot Ion:106 Resp: 40842
Ion Ratio Lower Upper
106 100
91 209.1 103.8 311.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064533.D
Acq: 16 Dec 2019 19:53

Tgt Ion:152 Resp: 320584
Ion Ratio Lower Upper
152 100
115 55.7 26.7 80.1
150 155.0 0.0 347.2

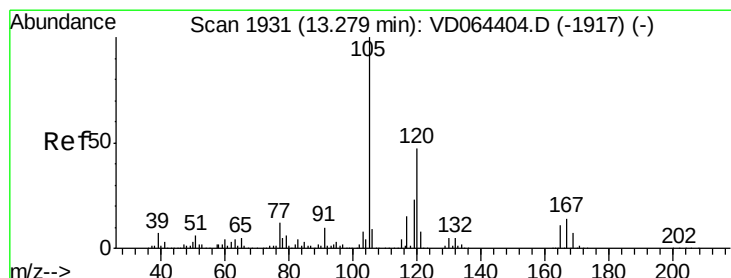
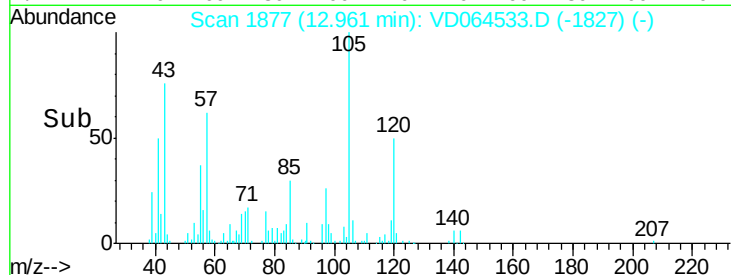
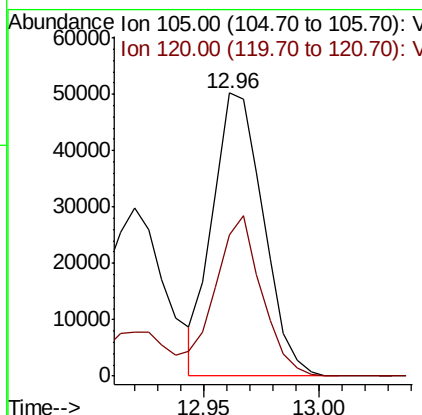
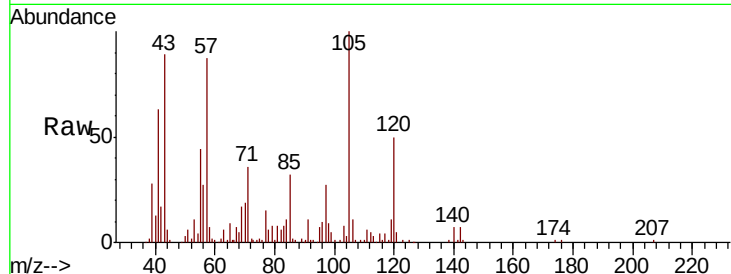




#80
 1,3,5-Trimethylbenzene
 Concen: 4.059 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064533.D
 Acq: 16 Dec 2019 19:53

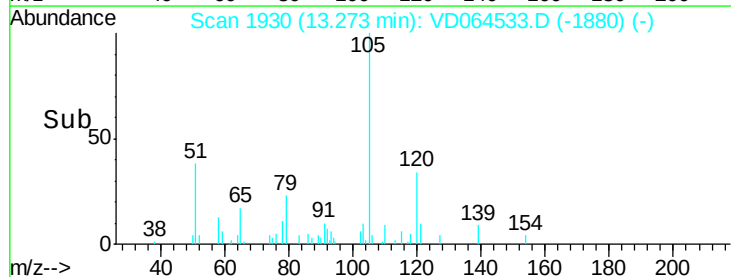
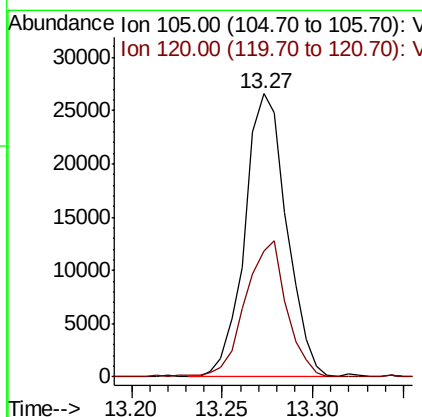
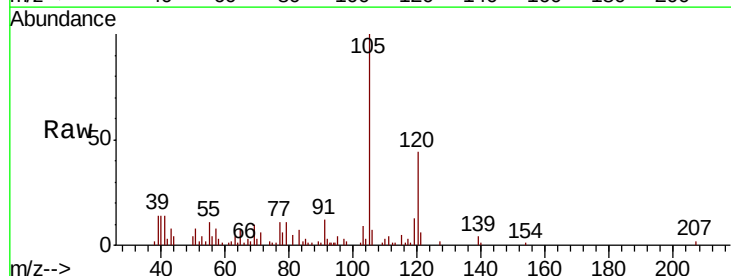
Instrument :
 MSVOA_D
 ClientSampled :
 EP-8

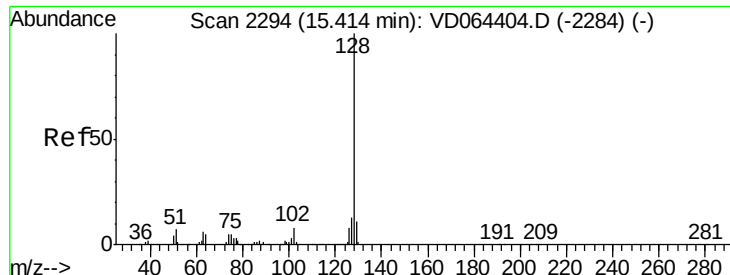
Tot Ion:105 Resp: 76481
 Ion Ratio Lower Upper
 105 100
 120 53.2 25.1 75.3



#84
 1,2,4-Trimethylbenzene
 Concen: 2.255 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064533.D
 Acq: 16 Dec 2019 19:53

Tgt Ion:105 Resp: 42723
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.6 70.8





#95

Naphthalene

Concen: 4.846 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064533.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

EP-8

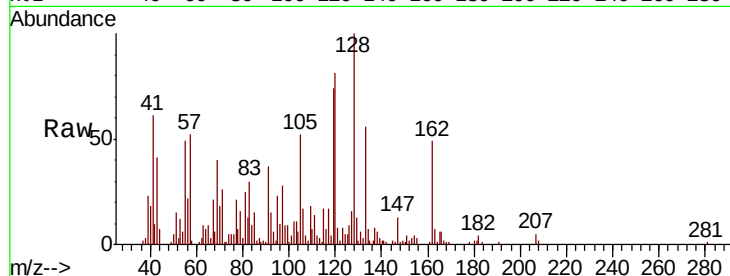
Tot Ion:128 Resp: 57205

Ion Ratio Lower Upper

128 100

127 10.2 10.5 15.7#

129 17.1 8.8 13.2#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

