

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064947.D
 Acq On : 24 Jan 2020 17:09
 Operator : VA/SY
 Sample : L1243-10
 Misc : 6.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CTY-SB-03-5-6

Quant Time: Jan 25 03:14:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

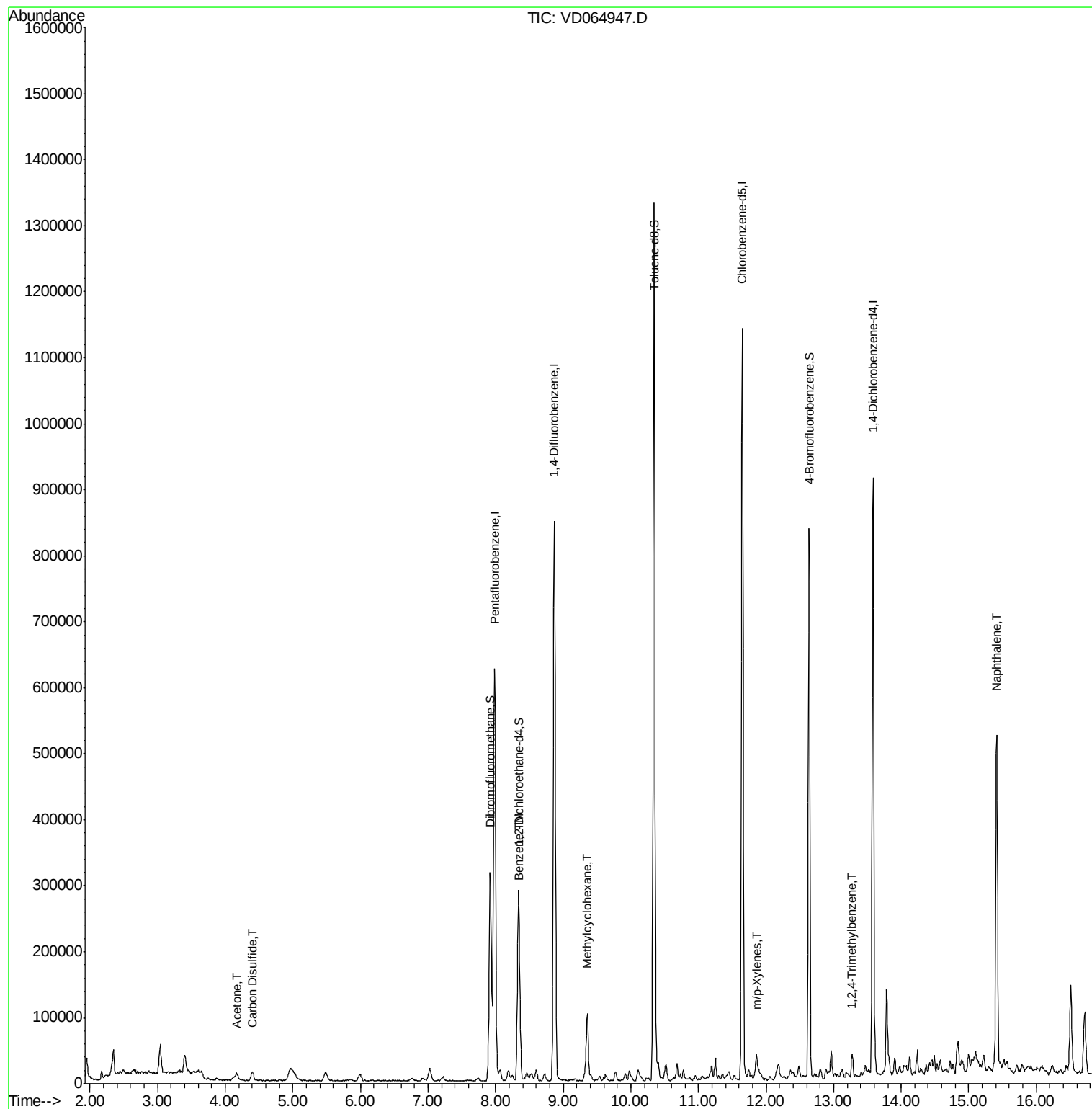
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	453097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	718638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240168	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	201879	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
35) Dibromofluoromethane	7.92	113	218435	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
50) Toluene-d8	10.34	98	861372	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.64	95	243187	45.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.18%	
Target Compounds						
16) Acetone	4.17	43	18839	28.580	ug/l	94
17) Carbon Disulfide	4.41	76	27334	2.106	ug/l #	94
39) Methylcyclohexane	9.36	83	39731	4.904	ug/l	95
40) Benzene	8.36	78	68043	3.565	ug/l	97
68) m/p-Xylenes	11.86	106	8853	1.007	ug/l	91
84) 1,2,4-Trimethylbenzene	13.27	105	18809	1.380	ug/l	99
95) Naphthalene	15.41	128	442382	60.562	ug/l	98

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

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QLast Update : Thu Jan 23 13:45:59 2020
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: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

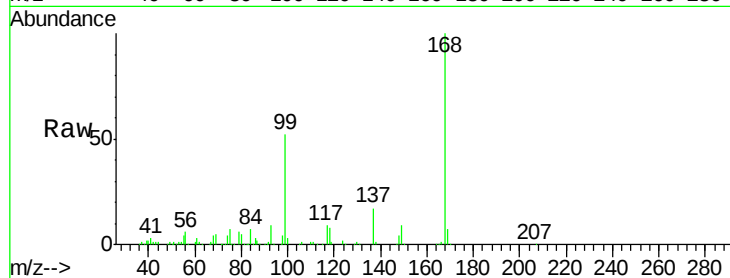
CTY-SB-03-5-6

Tot Ion:168 Resp: 453097

Ion Ratio Lower Upper

168 100

99 51.5 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

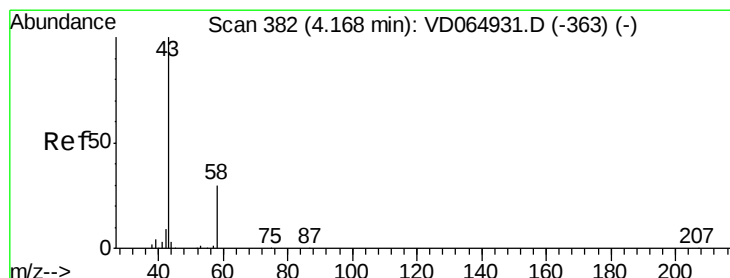
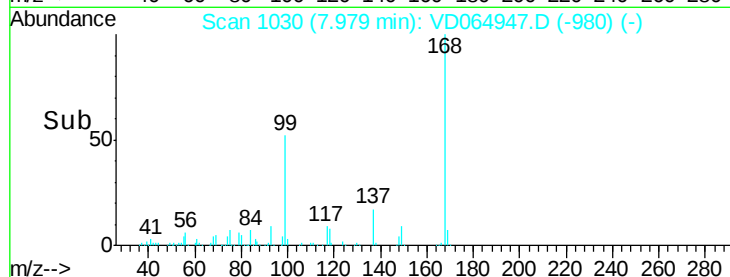
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 28.580 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064947.D

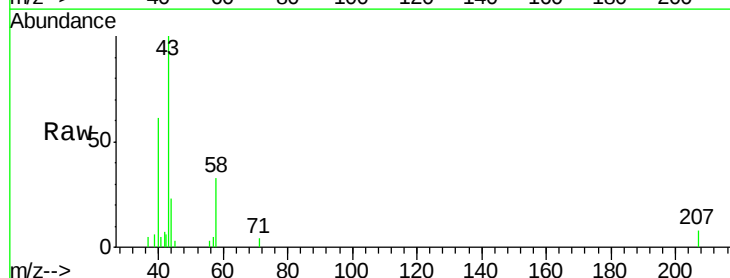
Acq: 24 Jan 2020 17:09

Tgt Ion: 43 Resp: 18839

Ion Ratio Lower Upper

43 100

58 33.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

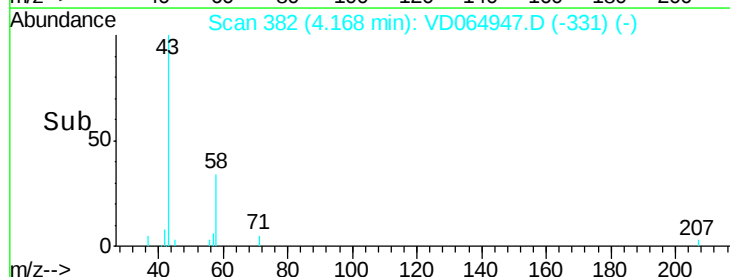
6000

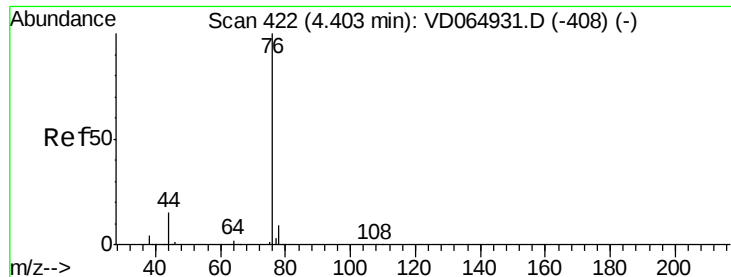
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 2.106 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

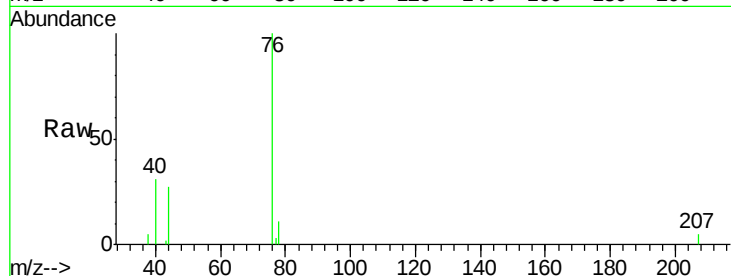
CTY-SB-03-5-6

Tot Ion: 76 Resp: 27334

Ion Ratio Lower Upper

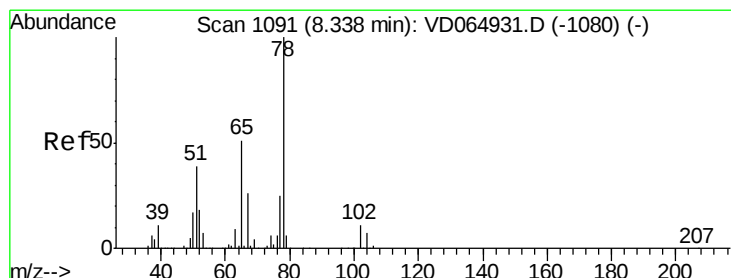
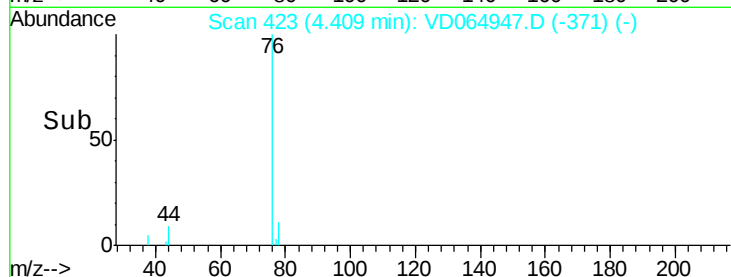
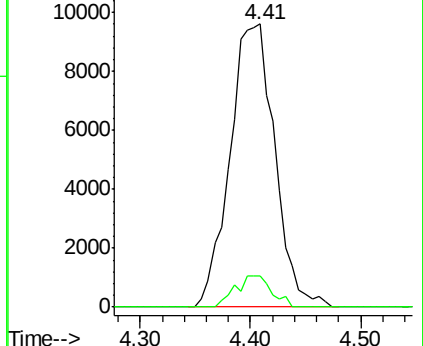
76 100

78 10.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 46.450 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064947.D

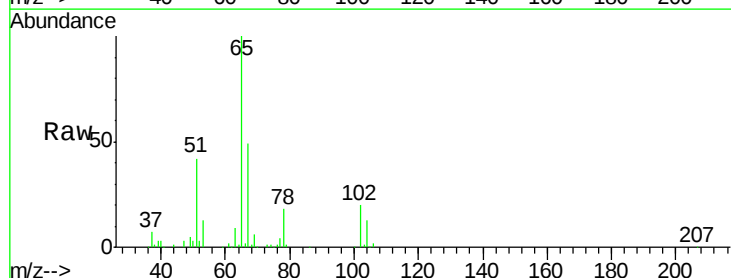
Acq: 24 Jan 2020 17:09

Tgt Ion: 65 Resp: 201879

Ion Ratio Lower Upper

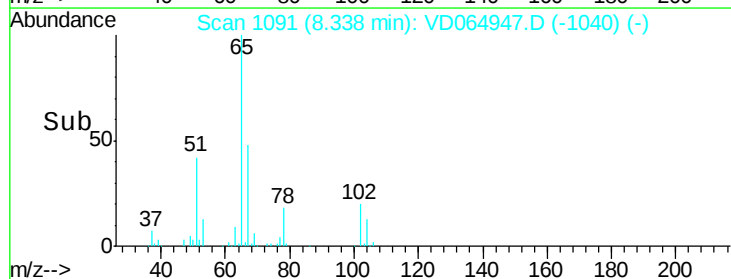
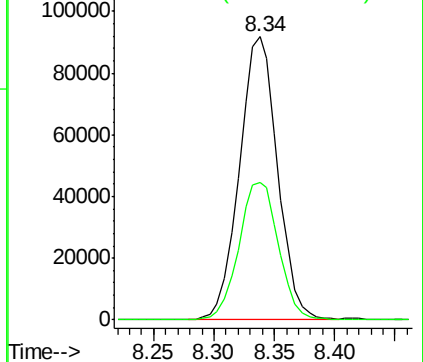
65 100

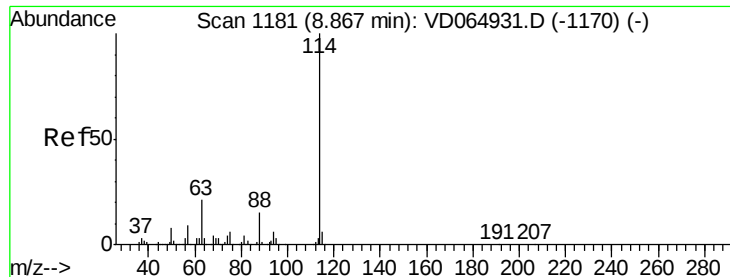
67 50.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

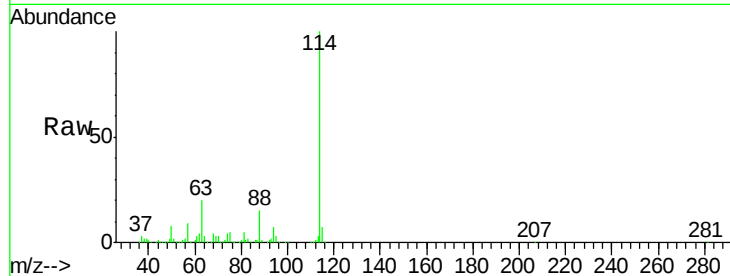




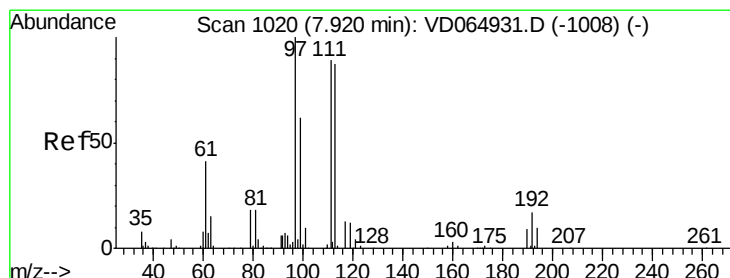
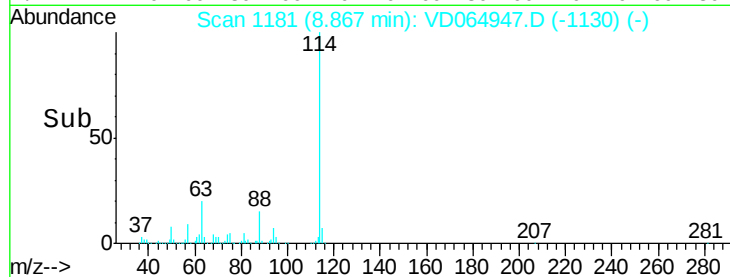
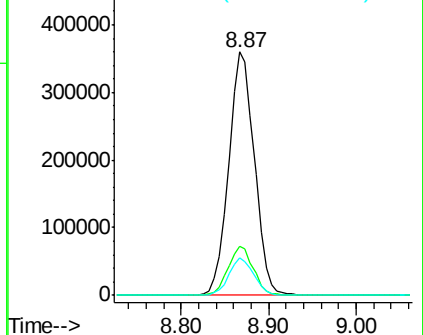
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064947.D
 Acq: 24 Jan 2020 17:09

Instrument :
 MSVOA_D
 ClientSampleId :
 CTY-SB-03-5-6

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.0
88	15.4	0.0	29.4

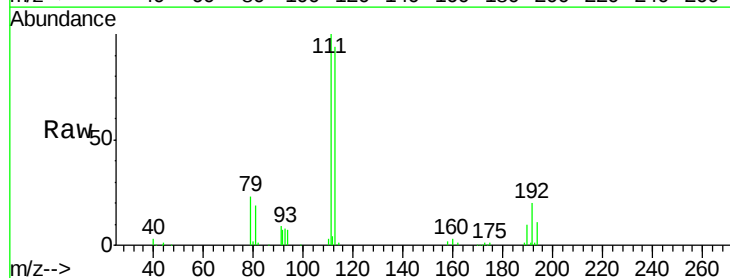


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

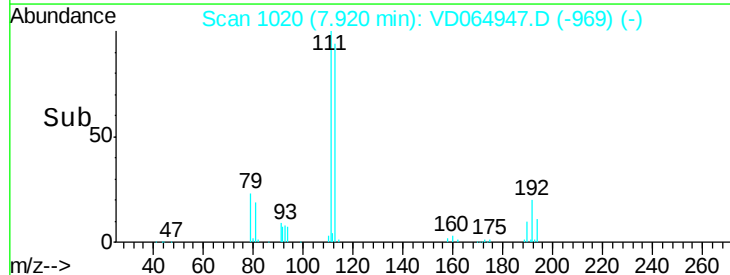
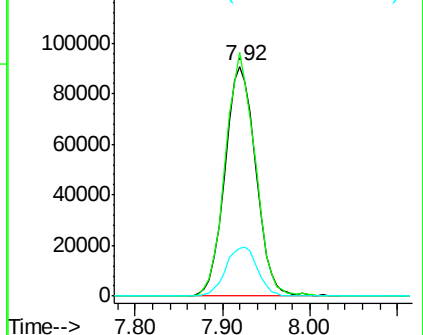


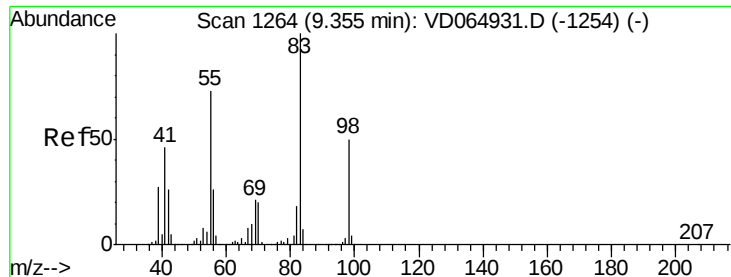
#35
 Dibromofluoromethane
 Concen: 48.369 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064947.D
 Acq: 24 Jan 2020 17:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	21.9	16.9	25.3



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

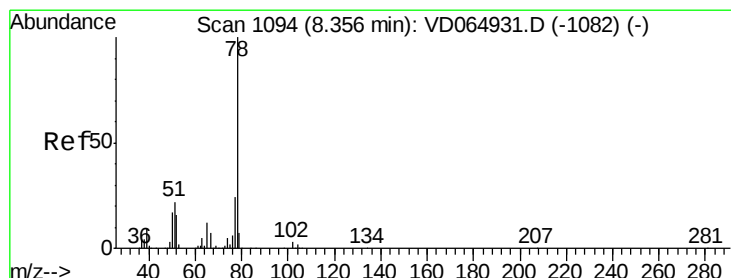
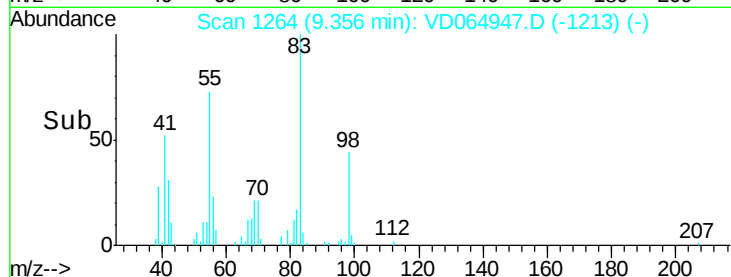
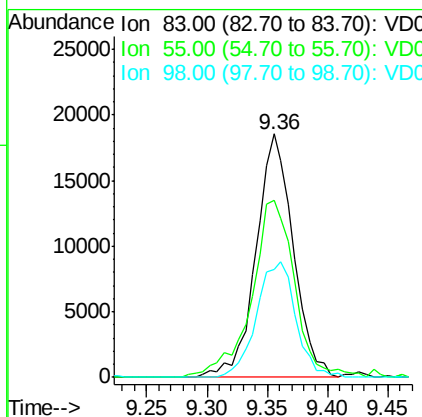
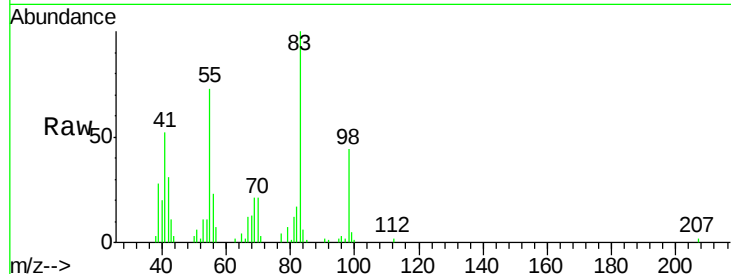




#39
Methvlcvclohexane
Concen: 4.904 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

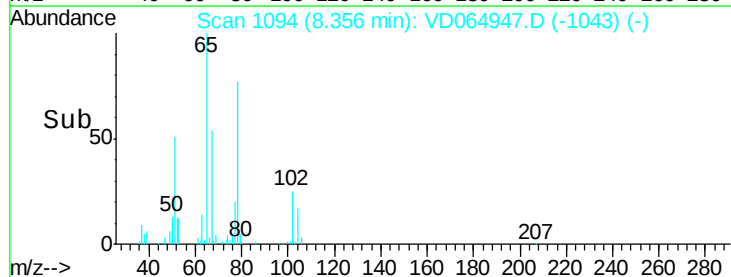
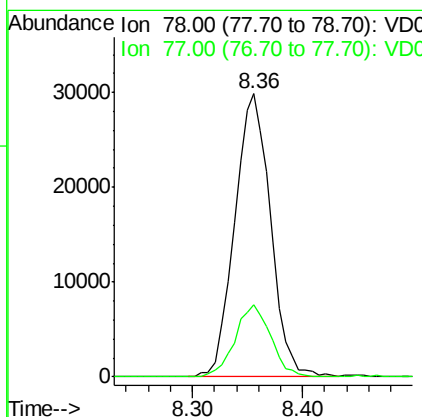
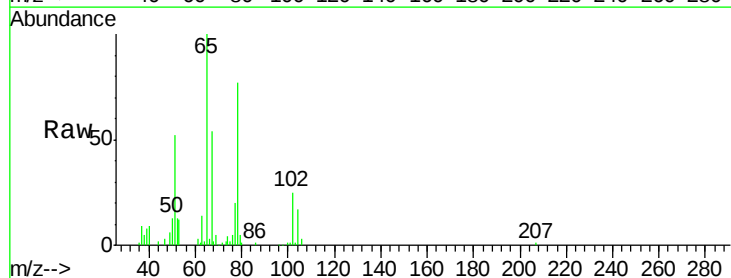
Instrument :
MSVOA_D
ClientSampleId :
CTY-SB-03-5-6

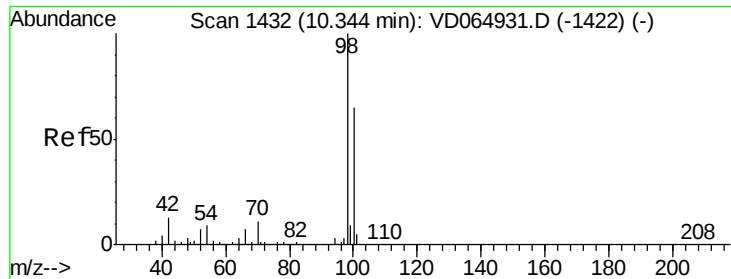
Tot Ion: 83 Resp: 39731
Ion Ratio Lower Upper
83 100
55 71.7 58.7 88.1
98 44.5 40.2 60.2



#40
Benzene
Concen: 3.565 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Tgt Ion: 78 Resp: 68043
Ion Ratio Lower Upper
78 100
77 25.5 19.2 28.8





#50

Toluene-d8

Concen: 49.419 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

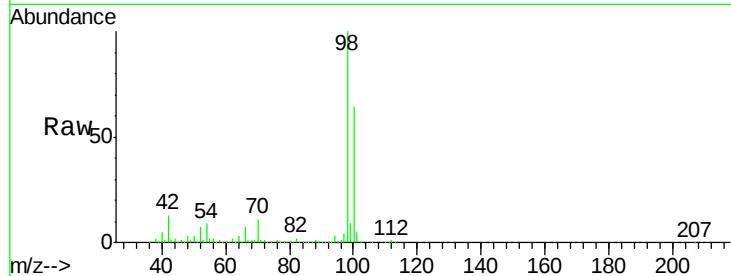
CTY-SB-03-5-6

Tot Ion: 98 Resp: 861372

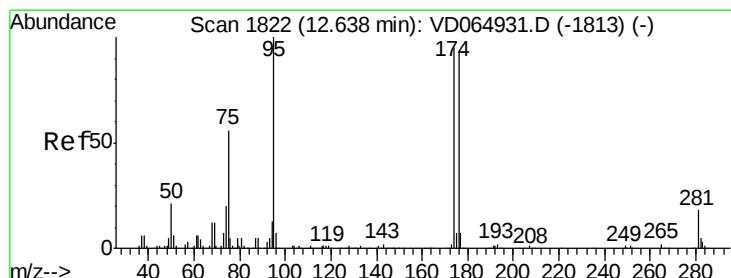
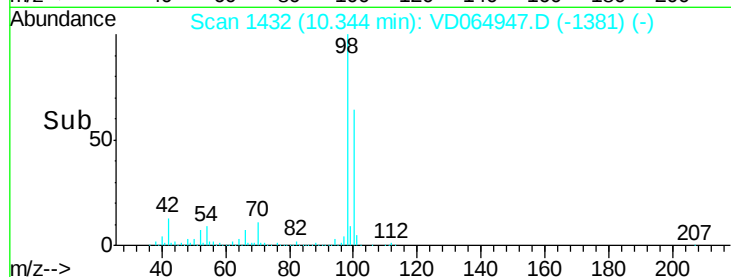
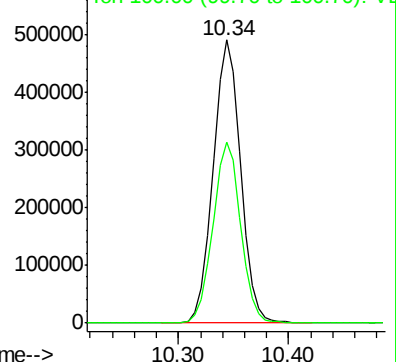
Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VD064931.D (-1422) (-)



#62

4-Bromofluorobenzene

Concen: 45.592 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

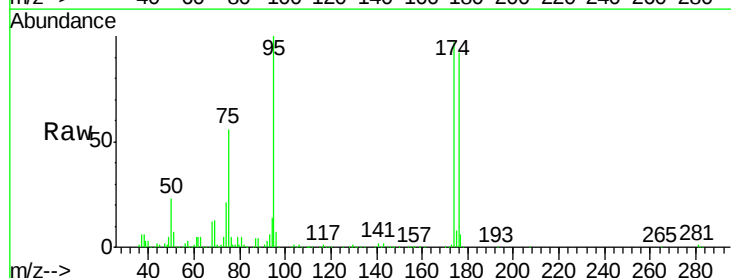
Tgt Ion: 95 Resp: 243187

Ion Ratio Lower Upper

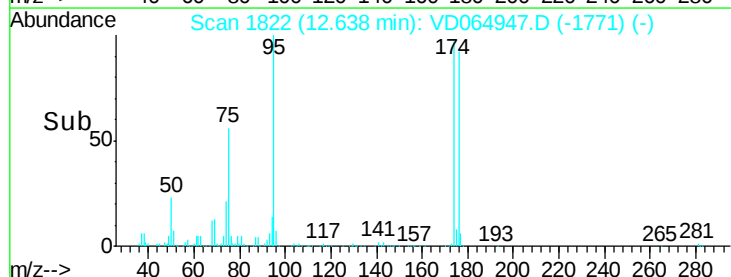
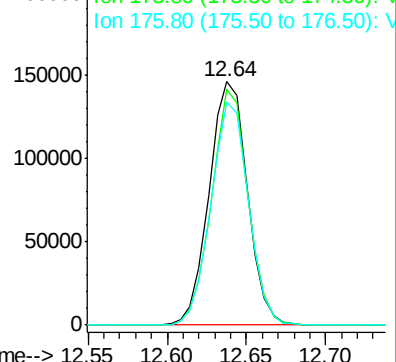
95 100

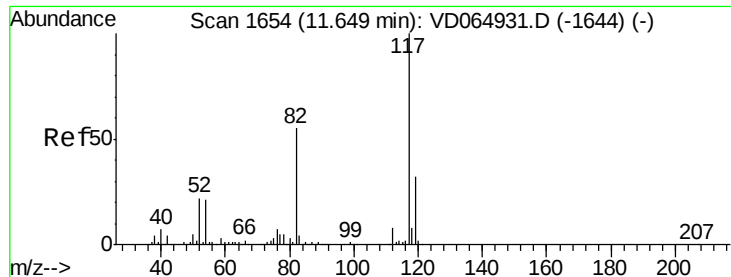
174 92.7 0.0 186.8

176 90.4 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): VD064931.D (-1813) (-)

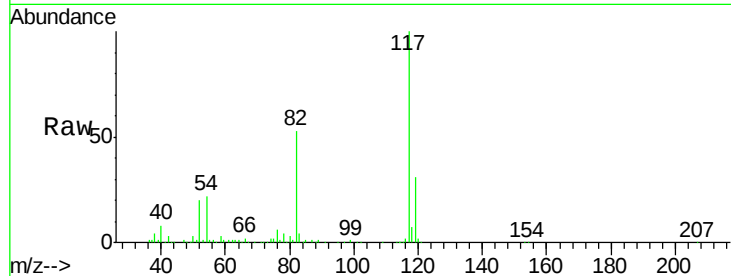




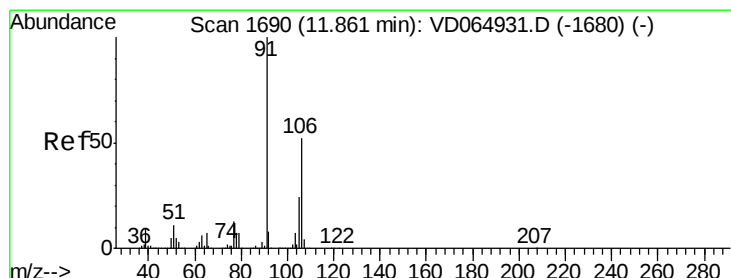
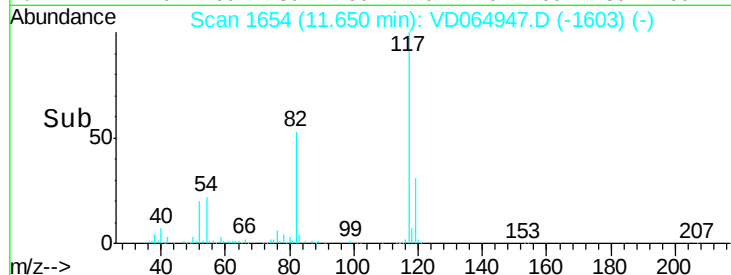
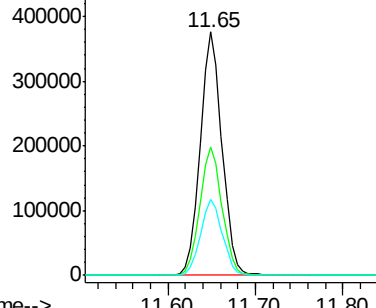
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Instrument :
MSVOA_D
ClientSampleId :
CTY-SB-03-5-6

Tot Ion:117 Resp: 633506
Ion Ratio Lower Upper
117 100
82 52.6 43.6 65.4
119 31.3 25.2 37.8

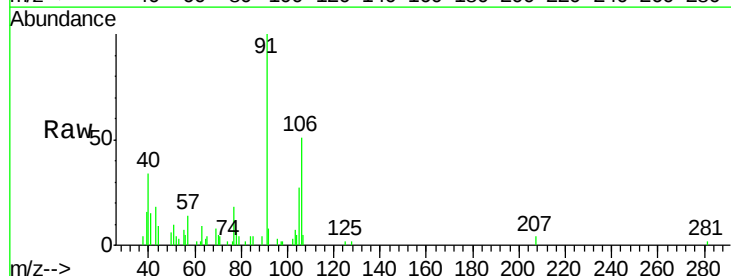


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

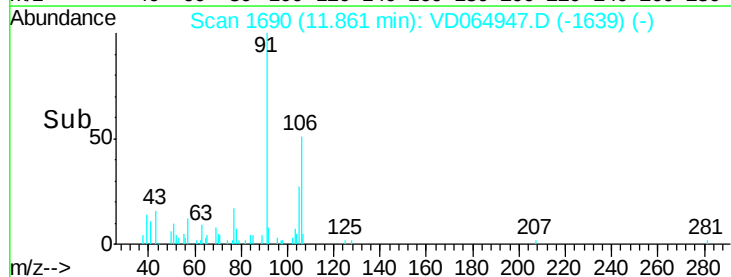
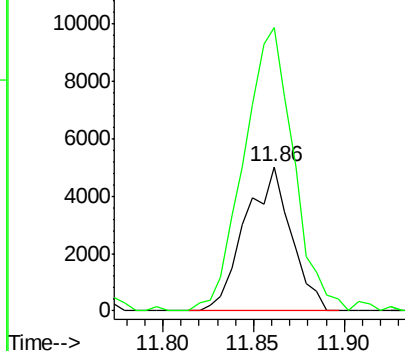


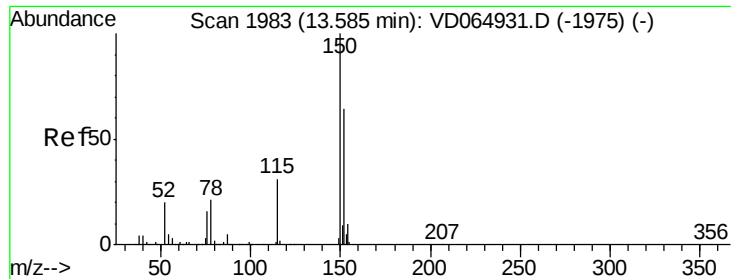
#68
m/p-Xylenes
Concen: 1.007 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Tgt Ion:106 Resp: 8853
Ion Ratio Lower Upper
106 100
91 212.0 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

CTY-SB-03-5-6

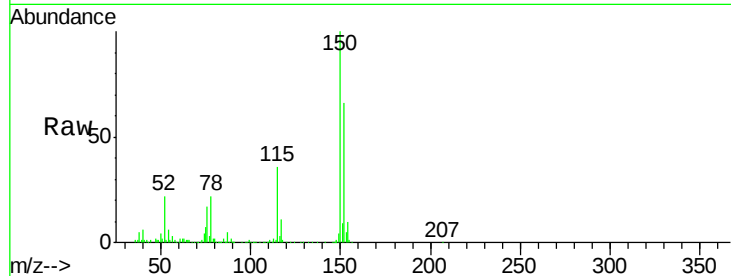
Tot Ion:152 Resp: 240168

Ion Ratio Lower Upper

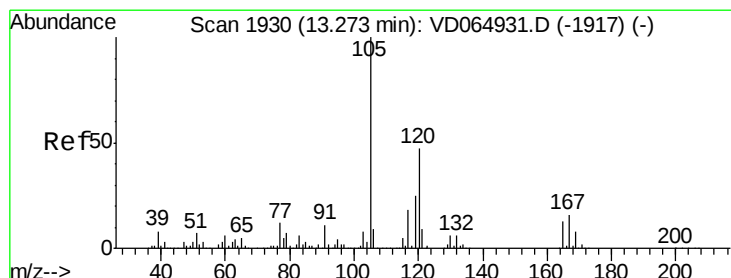
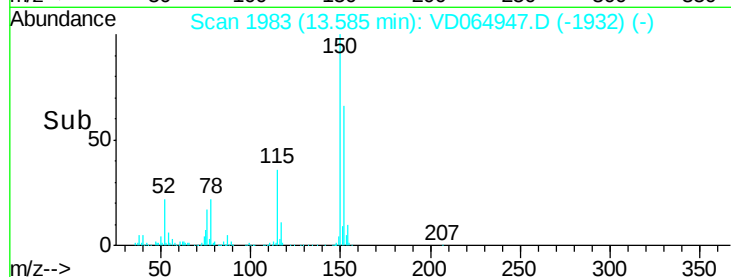
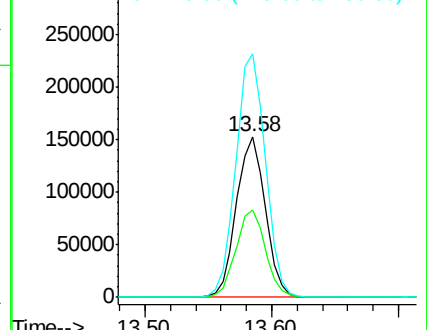
152 100

115 55.8 28.1 84.4

150 154.9 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 1.380 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064947.D

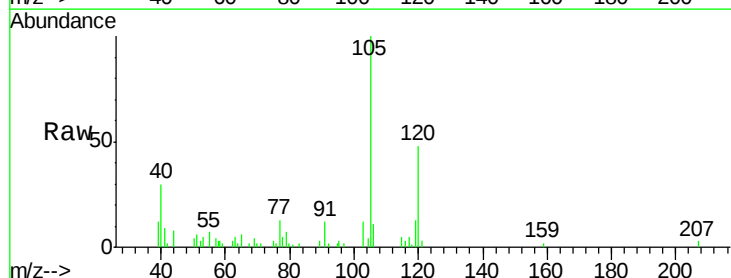
Acq: 24 Jan 2020 17:09

Tgt Ion:105 Resp: 18809

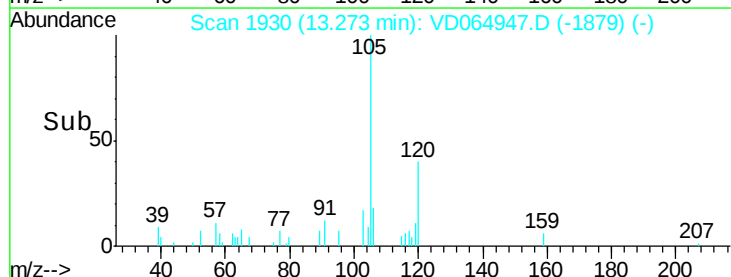
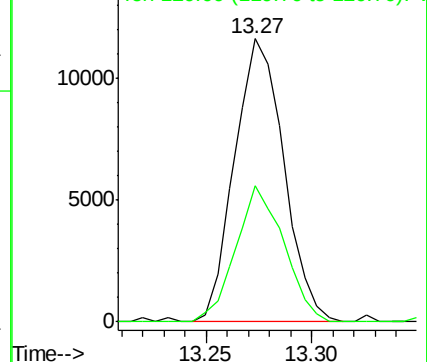
Ion Ratio Lower Upper

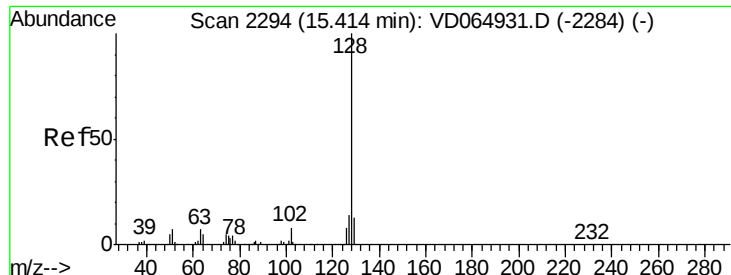
105 100

120 46.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 60.562 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

CTY-SB-03-5-6

Tot Ion:128 Resp: 442382

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 10.6 9.3 13.9

