

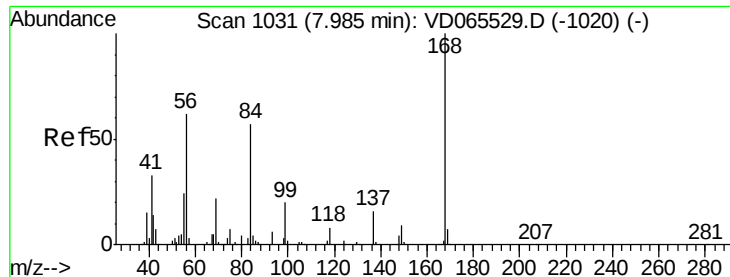
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065563.D
 Acq On : 31 Mar 2020 13:52
 Operator : VA/SY
 Sample : L1758-01
 Misc : 7.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-033020

Quant Time: Apr 01 07:18:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	437845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	824802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	788336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	399785	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	246537	67.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.28%	
35) Dibromofluoromethane	7.92	113	287189	56.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.82%	
50) Toluene-d8	10.35	98	996436	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.64	95	350213	57.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.46%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.86	106	22231	2.181	ug/l	98
69) o-Xylene	12.18	106	27236	3.051	ug/l	97
78) n-propylbenzene	12.83	91	86646	2.961	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	183624	9.025	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	783373	38.511	ug/l	100
85) sec-Butylbenzene	13.41	105	68138	2.794	ug/l	89
86) p-Isopropyltoluene	13.53	119	55215	2.457	ug/l	98
89) n-Butylbenzene	13.86	91	138419	6.783	ug/l #	78
95) Naphthalene	15.41	128	172018	17.049	ug/l #	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065563.D

Acq: 31 Mar 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

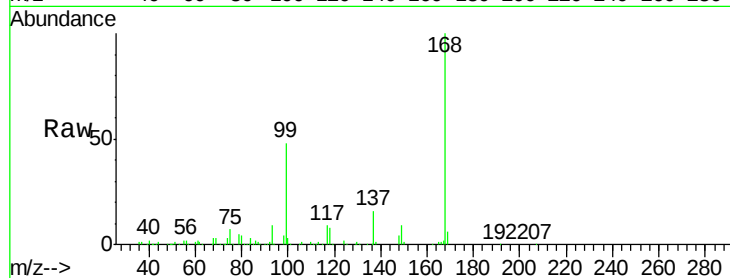
PL-03-033020

Tot Ion:168 Resp: 437845

Ion Ratio Lower Upper

168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

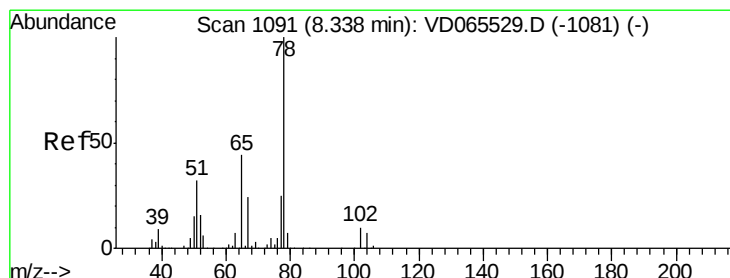
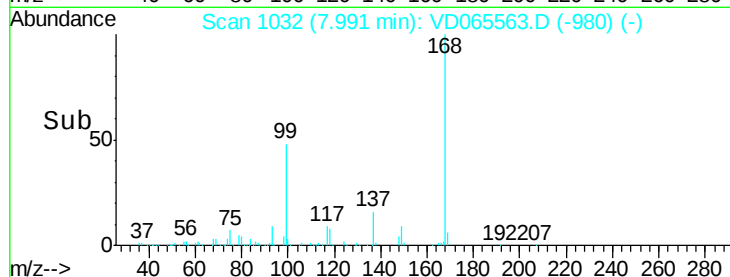
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 67.642 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065563.D

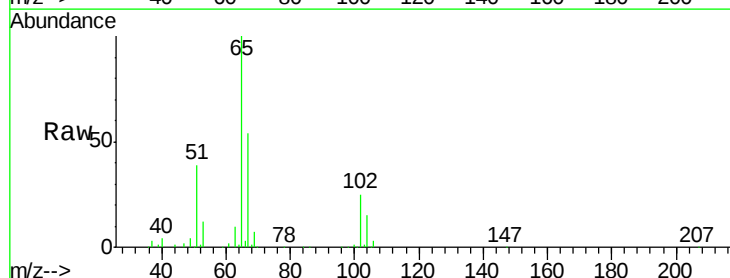
Acq: 31 Mar 2020 13:52

Tgt Ion: 65 Resp: 246537

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

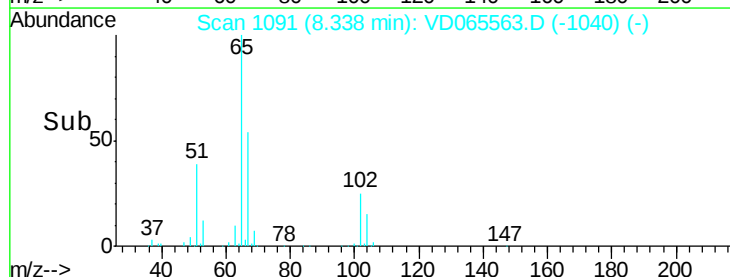
60000

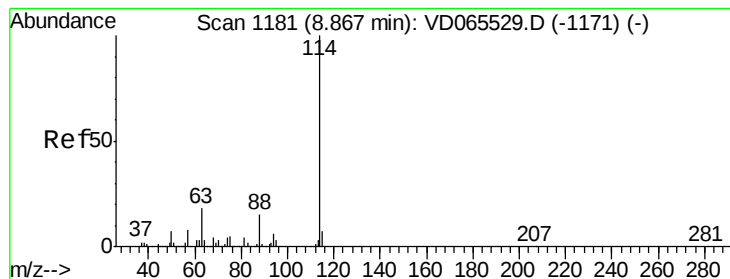
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065563.D

Acq: 31 Mar 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

PL-03-033020

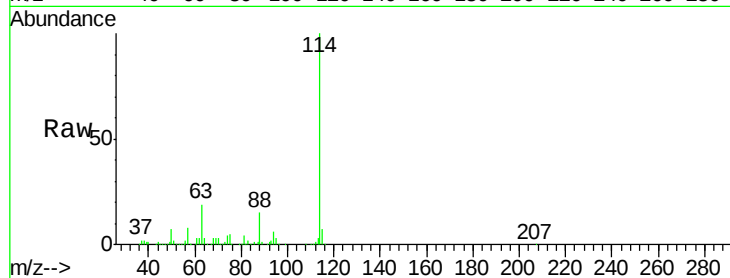
Tot Ion:114 Resp: 824802

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

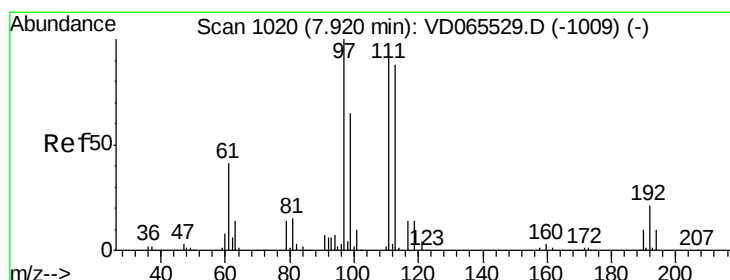
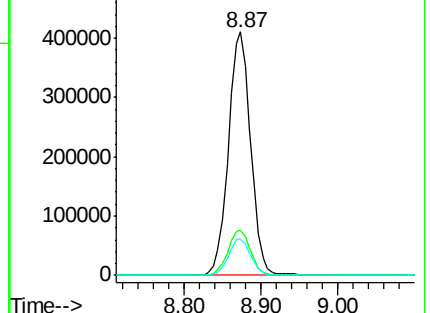
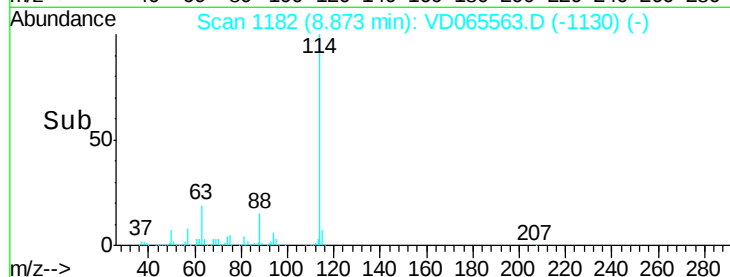
88 14.7 0.0 30.4



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: 56.411 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065563.D

Acq: 31 Mar 2020 13:52

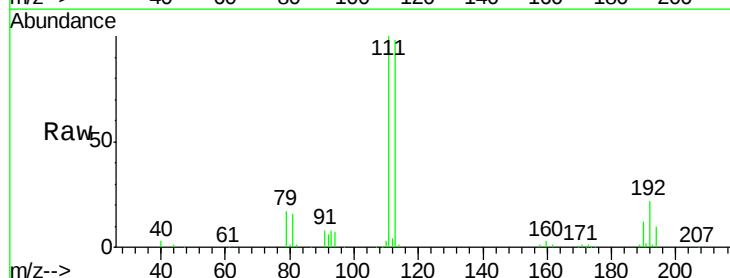
Tgt Ion:113 Resp: 287189

Ion Ratio Lower Upper

113 100

111 102.2 83.3 124.9

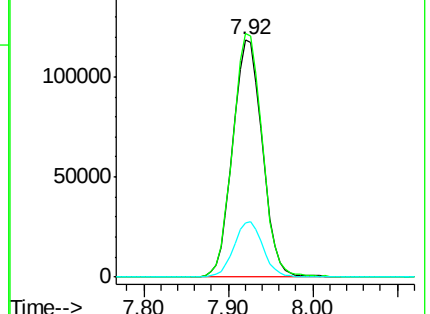
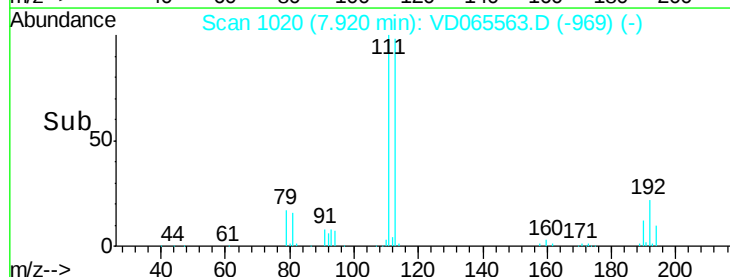
192 22.7 18.5 27.7

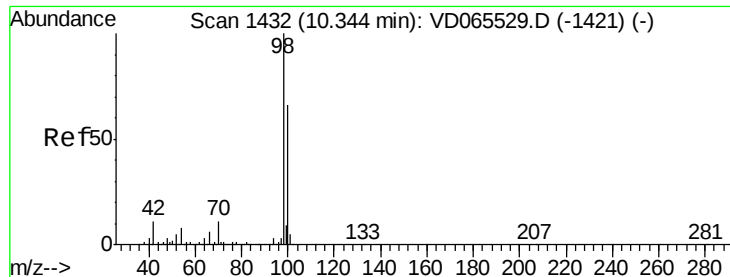


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

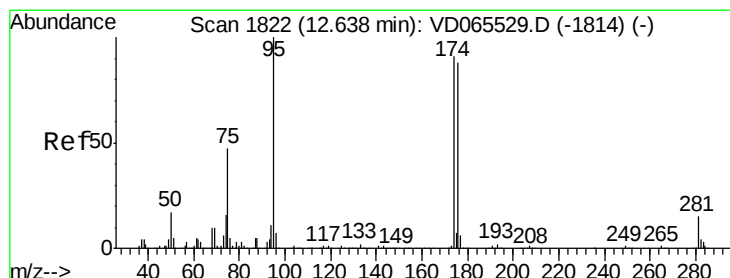
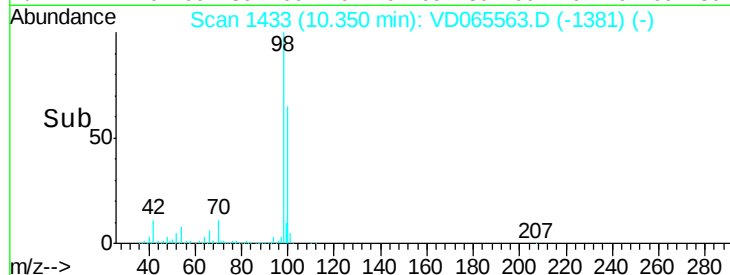
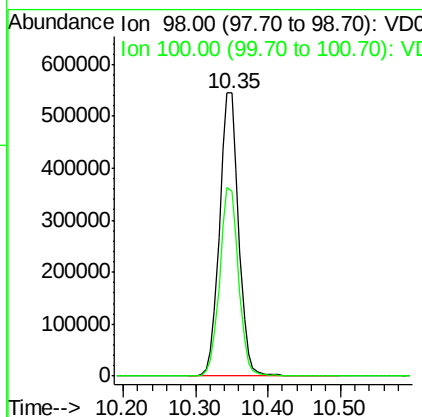
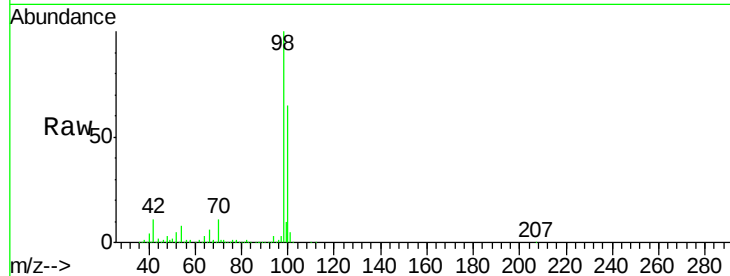




#50
Toluene-d8
Concen: 52.133 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VD065563.D
Acq: 31 Mar 2020 13:52

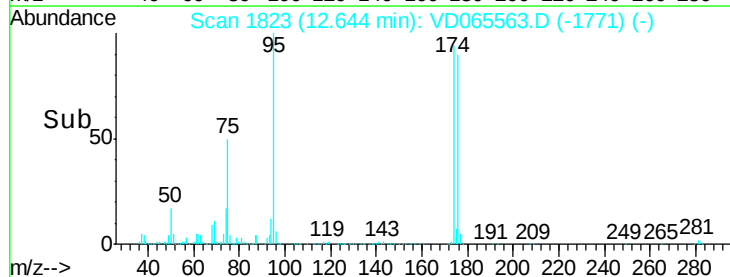
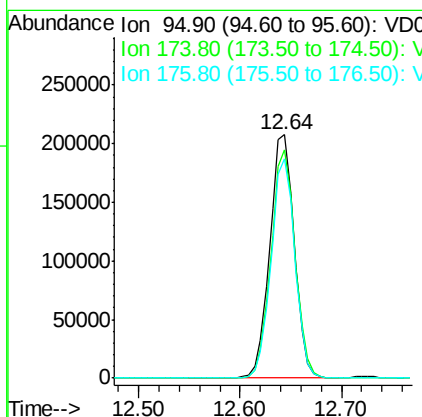
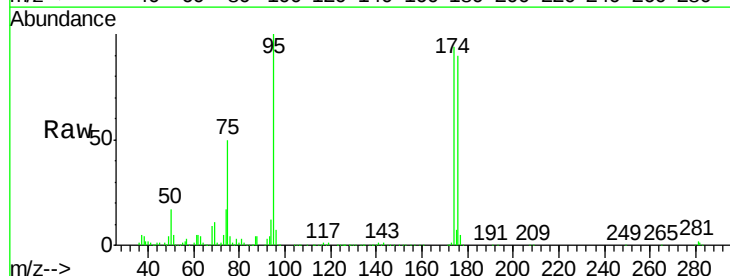
Instrument :
MSVOA_D
ClientSampleId :
PL-03-033020

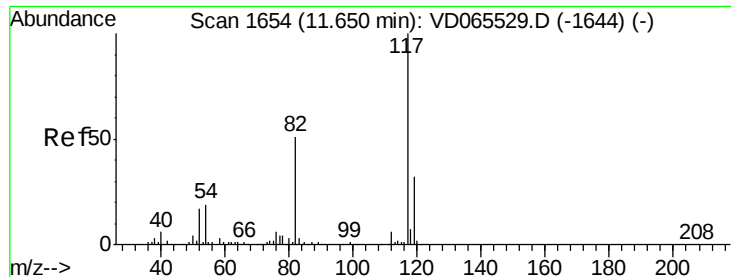
Tot Ion: 98 Resp: 996436
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 57.730 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065563.D
Acq: 31 Mar 2020 13:52

Tgt Ion: 95 Resp: 350213
Ion Ratio Lower Upper
95 100
174 91.9 0.0 183.8
176 87.4 0.0 178.2

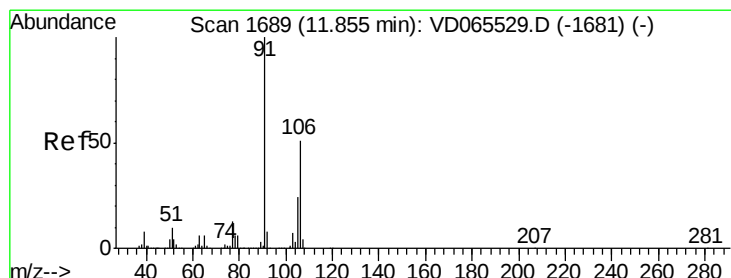
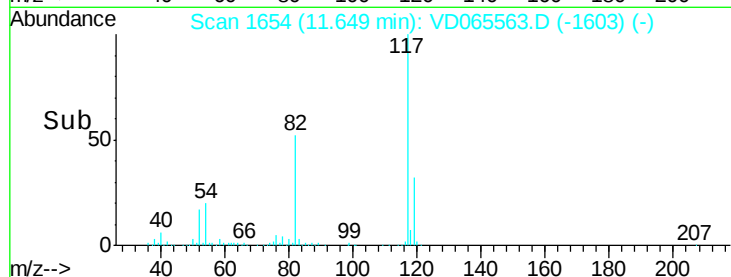
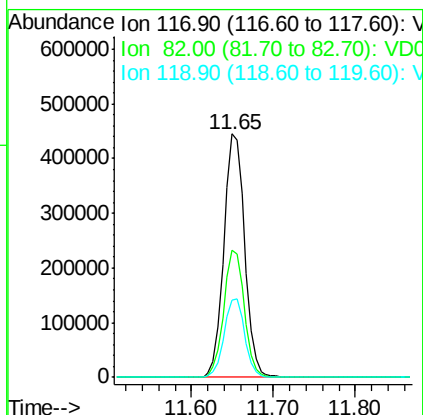
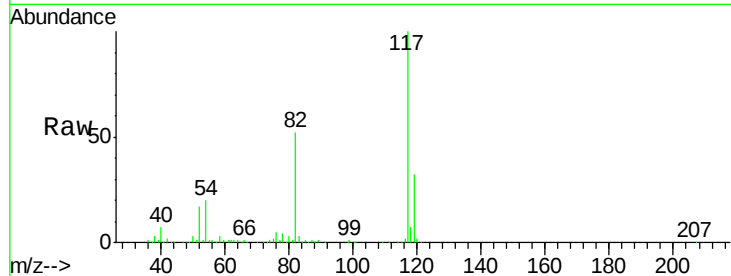




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065563.D
Acq: 31 Mar 2020 13:52

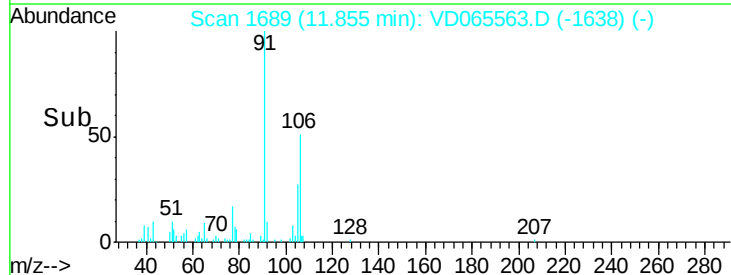
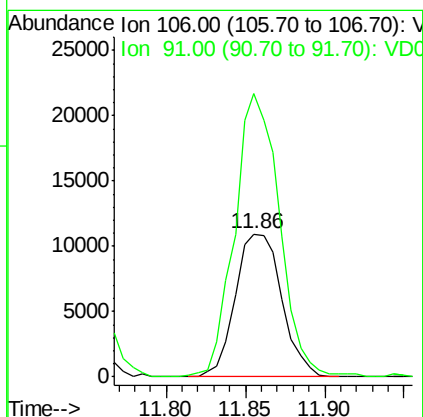
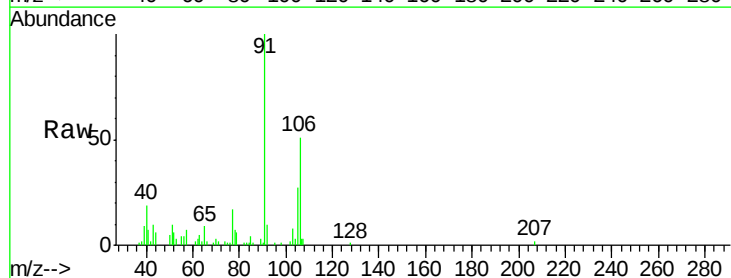
Instrument :
MSVOA_D
ClientSampleId :
PL-03-033020

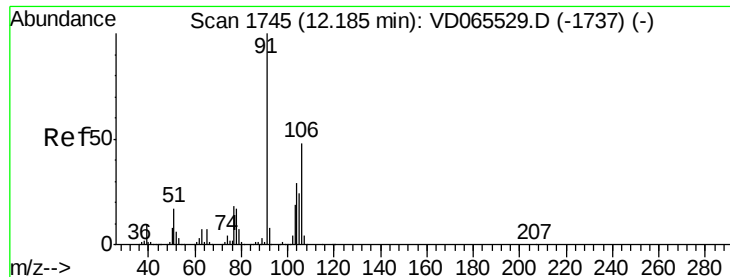
Tot Ion:117 Resp: 788336
Ion Ratio Lower Upper
117 100
82 52.2 41.0 61.6
119 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 2.181 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065563.D
Acq: 31 Mar 2020 13:52

Tgt Ion:106 Resp: 22231
Ion Ratio Lower Upper
106 100
91 191.7 155.4 233.0

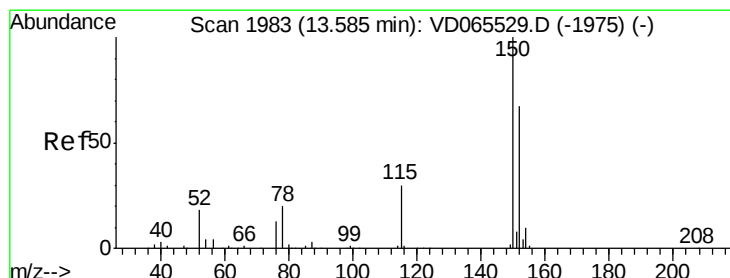
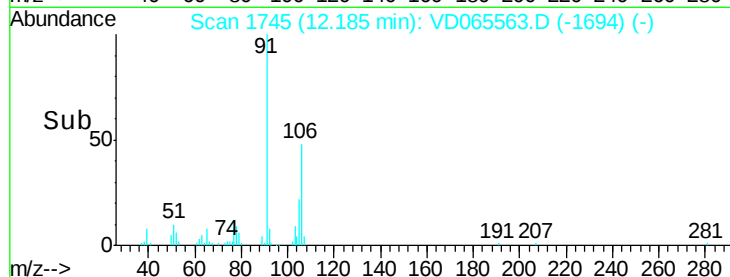
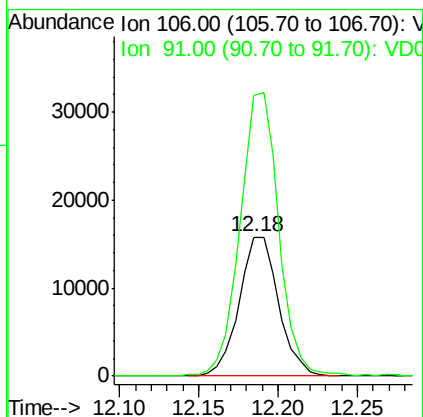
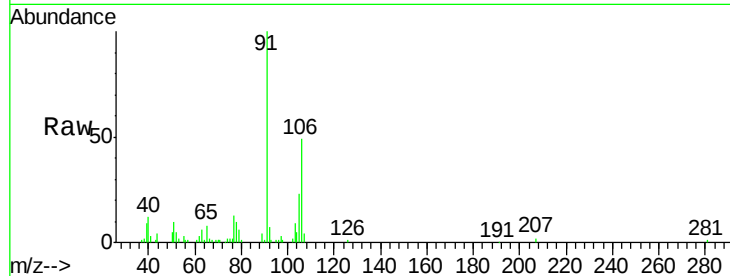




#69
o-Xylene
Concen: 3.051 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065563.D
Acq: 31 Mar 2020 13:52

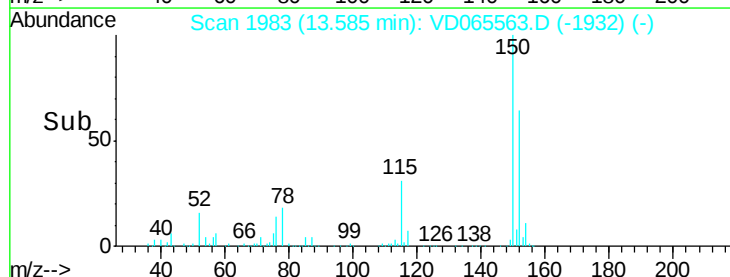
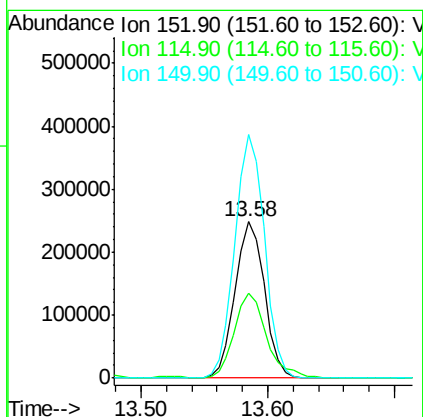
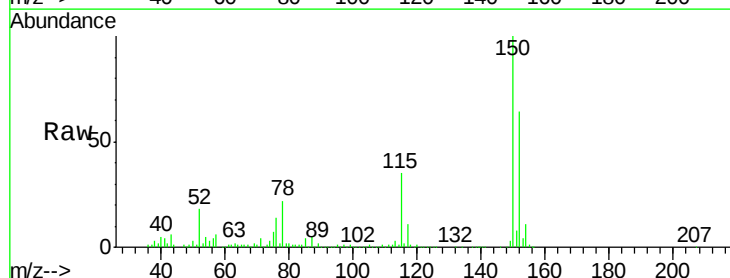
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PL-03-033020

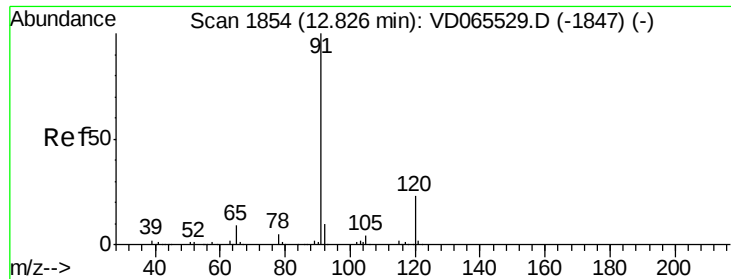
Tot Ion:106 Resp: 27236
Ion Ratio Lower Upper
106 100
91 200.4 102.8 308.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065563.D
Acq: 31 Mar 2020 13:52

Tgt Ion:152 Resp: 399785
Ion Ratio Lower Upper
152 100
115 59.0 27.2 81.6
150 156.9 0.0 340.2





#78

n-propylbenzene

Concen: 2.961 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065563.D

Acq: 31 Mar 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

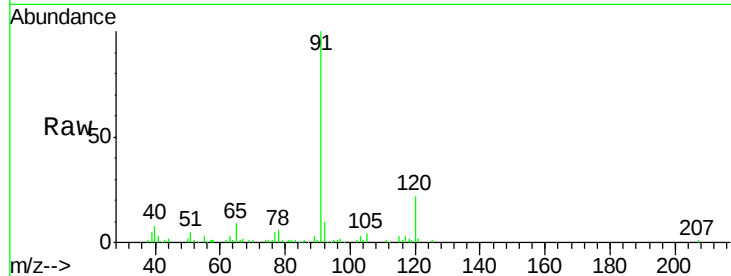
PL-03-033020

Tot Ion: 91 Resp: 86646

Ion Ratio Lower Upper

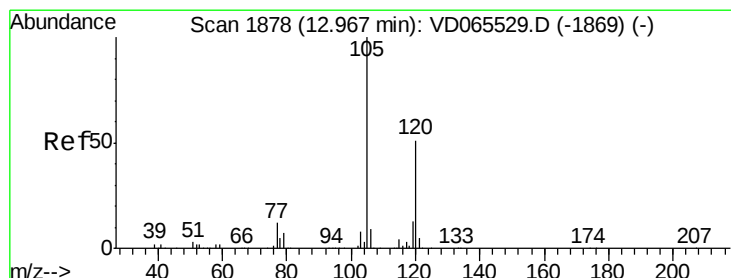
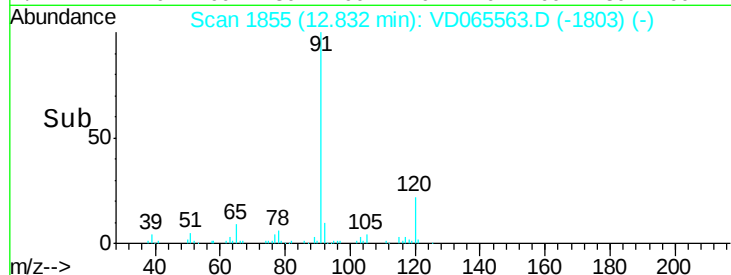
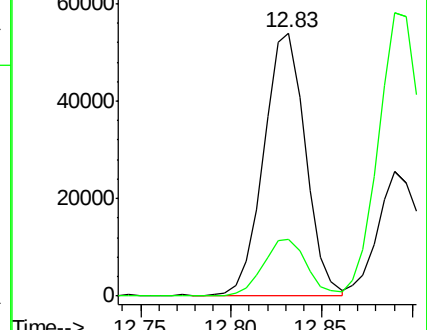
91 100

120 22.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1847) (-)

Ion 120.00 (119.70 to 120.70): VD065529.D (-1847) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.025 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065563.D

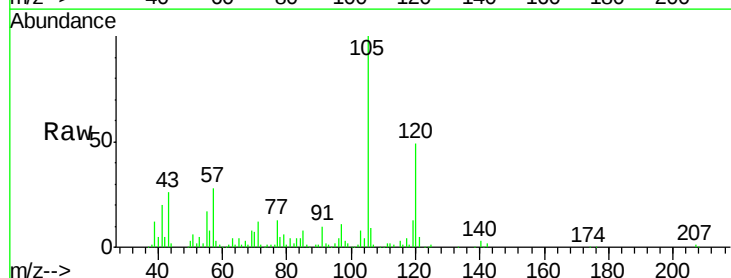
Acq: 31 Mar 2020 13:52

Tgt Ion: 105 Resp: 183624

Ion Ratio Lower Upper

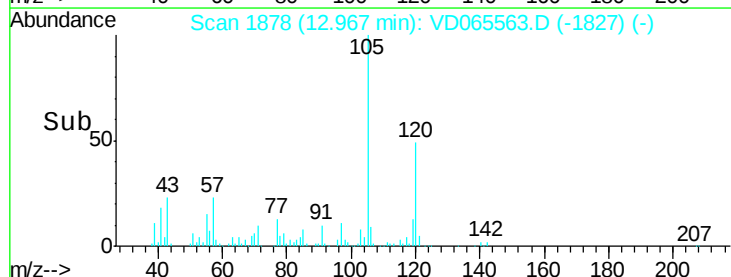
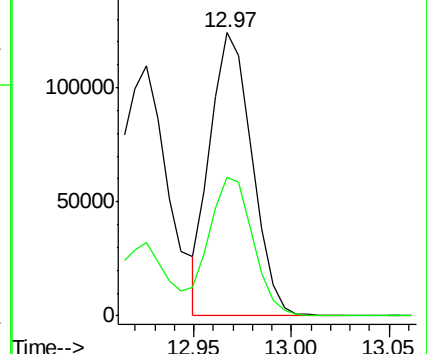
105 100

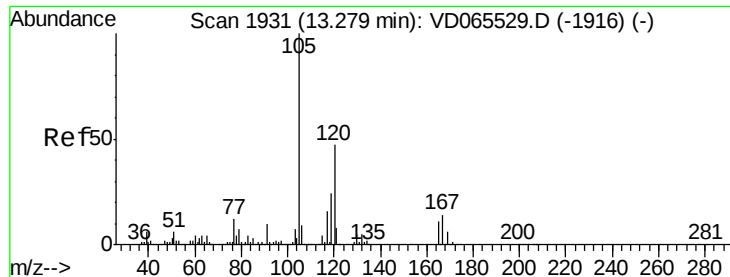
120 52.8 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065529.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065529.D (-1869) (-)

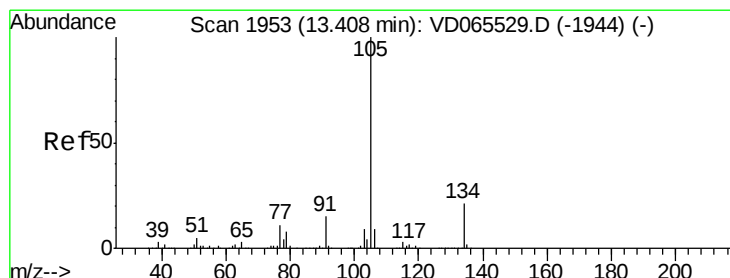
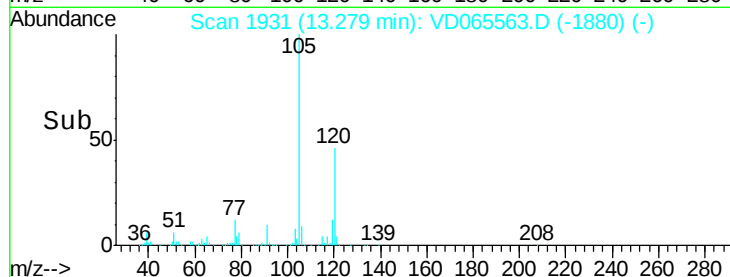
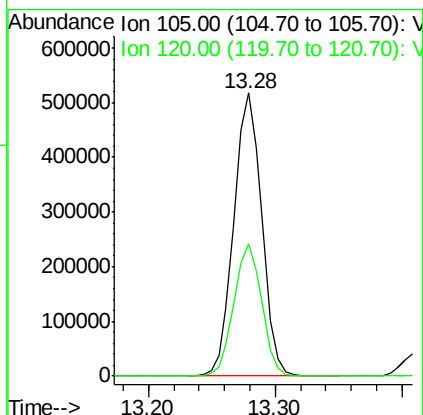
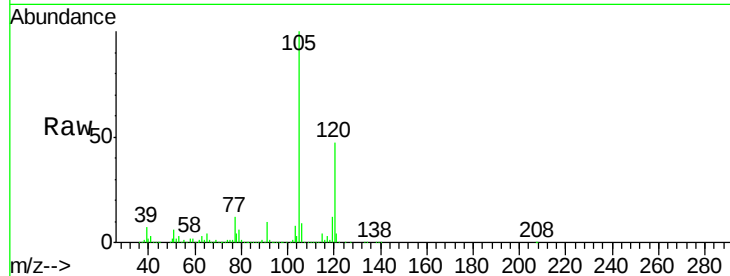




#84
 1,2,4-Trimethylbenzene
 Concen: 38.511 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065563.D
 Acq: 31 Mar 2020 13:52

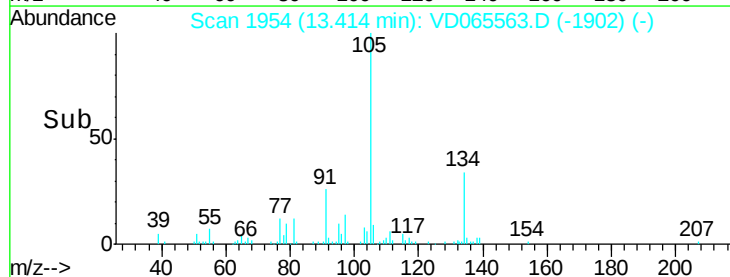
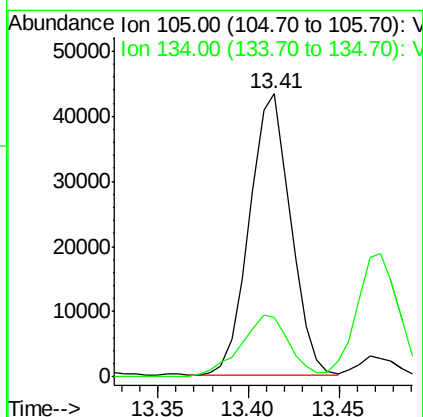
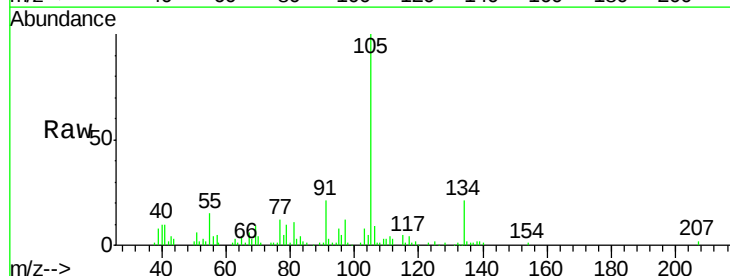
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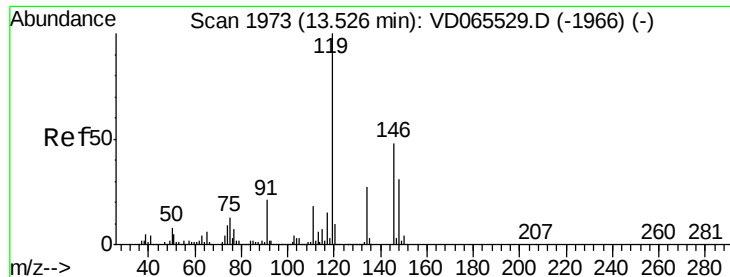
Tot Ion:105 Resp: 783373
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.5 70.5



#85
 sec-Butylbenzene
 Concen: 2.794 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065563.D
 Acq: 31 Mar 2020 13:52

Tgt Ion:105 Resp: 68138
 Ion Ratio Lower Upper
 105 100
 134 26.4 10.6 31.8

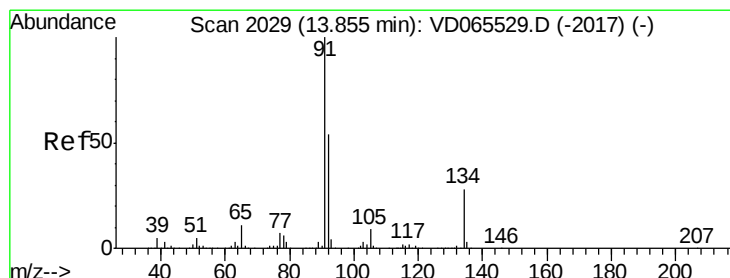
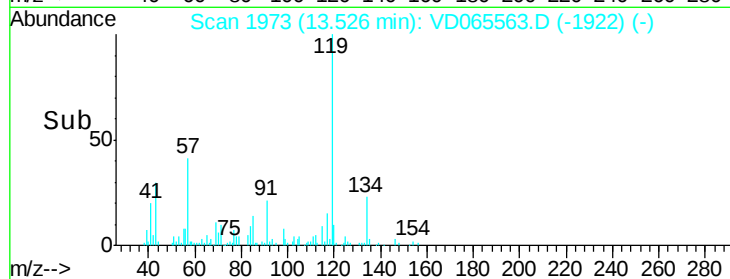
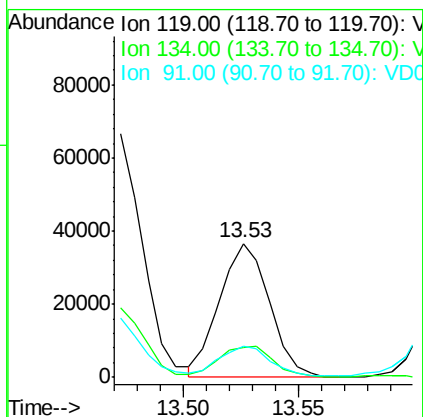
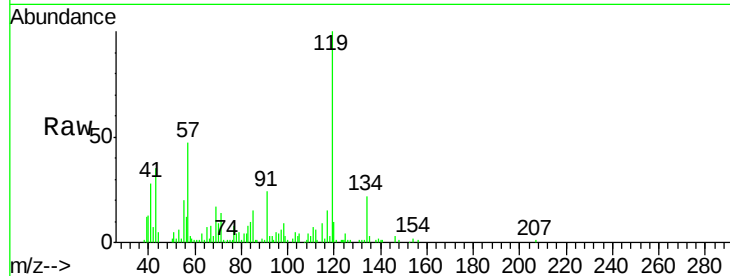




#86
 p-Isopropyltoluene
 Concen: 2.457 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065563.D
 Acq: 31 Mar 2020 13:52

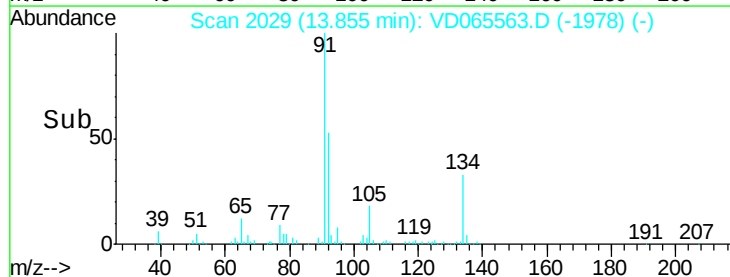
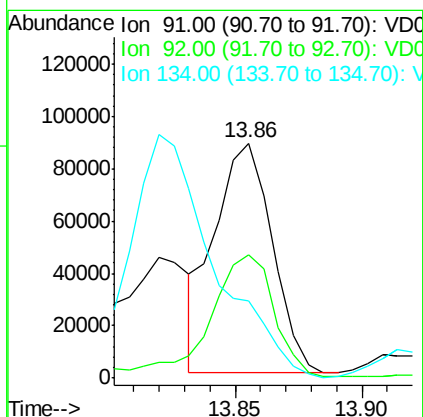
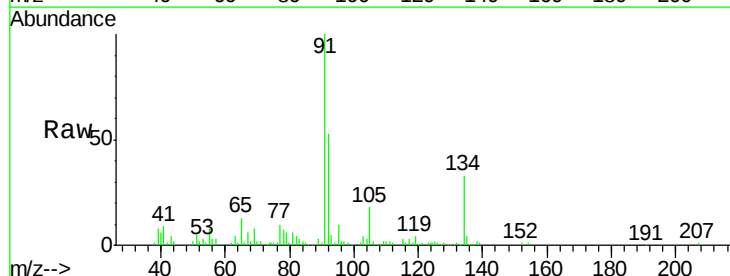
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-033020

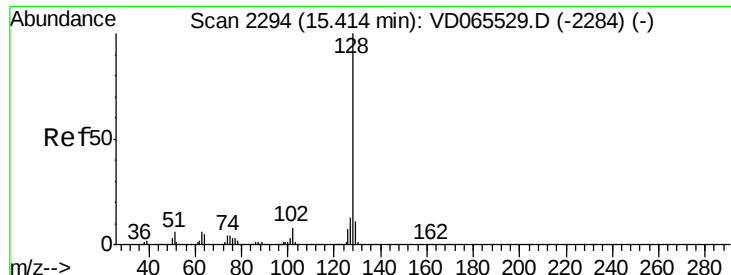
Tot Ion:119 Resp: 55215
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.5 40.5
 91 22.1 10.8 32.3



#89
 n-Butylbenzene
 Concen: 6.783 ug/l
 RT: 13.86 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: VD065563.D
 Acq: 31 Mar 2020 13:52

Tgt Ion: 91 Resp: 138419
 Ion Ratio Lower Upper
 91 100
 92 58.6 26.8 80.4
 134 0.0 13.7 41.0#





#95

Naphthalene

Concen: 17.049 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065563.D

Acq: 31 Mar 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

PL-03-033020

Tot Ion:128 Resp: 172018

Ion Ratio Lower Upper

128 100

127 14.8 10.4 15.6

129 8.7 8.7 13.1#

