

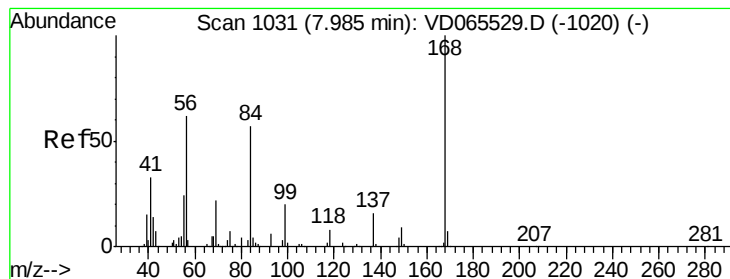
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065566.D
 Acq On : 31 Mar 2020 15:18
 Operator : VA/SY
 Sample : L1758-01RE
 Misc : 7.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-033020RE

Quant Time: Apr 01 07:47:25 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	469518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	877705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	841725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	378382	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	258285	66.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	132.16%	
35) Dibromofluoromethane	7.92	113	297754	54.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.92%	
50) Toluene-d8	10.34	98	1052028	51.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.64	95	361635	56.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.04%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.86	106	26496	2.435	ug/l	97
69) o-Xylene	12.18	106	35274	3.701	ug/l	99
78) n-propylbenzene	12.83	91	111349	4.021	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	237682	12.342	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	869089	45.142	ug/l	100
85) sec-Butylbenzene	13.41	105	93801	4.064	ug/l	87
86) p-Isopropyltoluene	13.53	119	72629	3.415	ug/l	99
89) n-Butylbenzene	13.86	91	165873	8.588	ug/l #	76
95) Naphthalene	15.41	128	219438	21.475	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065566.D

Acq: 31 Mar 2020 15:18

Instrument :

MSVOA_D

ClientSampleId :

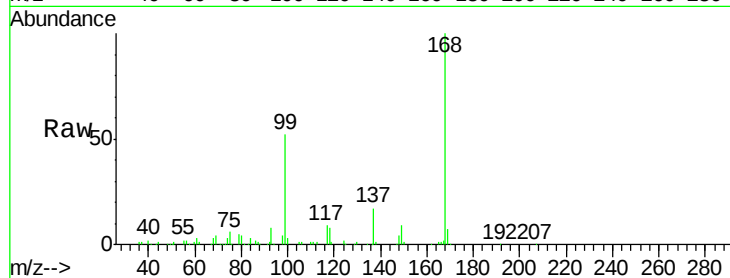
PL-03-033020RE

Tot Ion:168 Resp: 469518

Ion Ratio Lower Upper

168 100

99 51.5 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

250000

200000

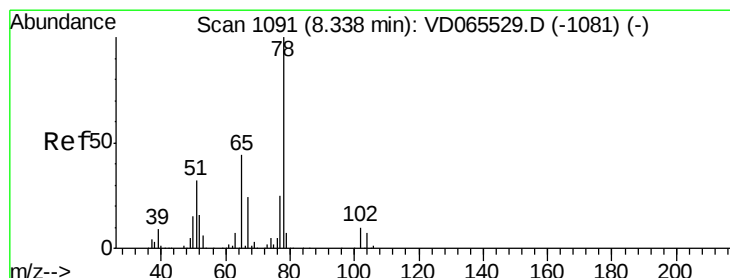
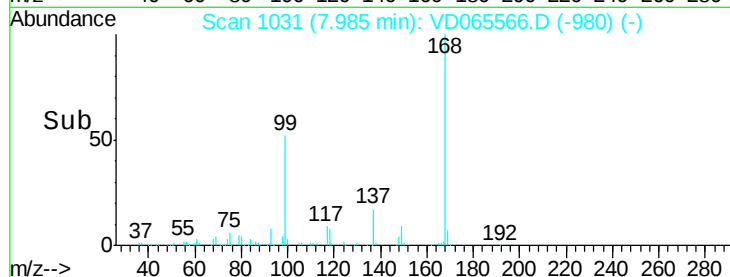
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 66.084 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065566.D

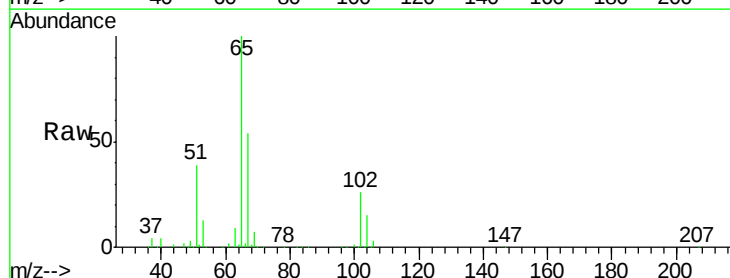
Acq: 31 Mar 2020 15:18

Tgt Ion: 65 Resp: 258285

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

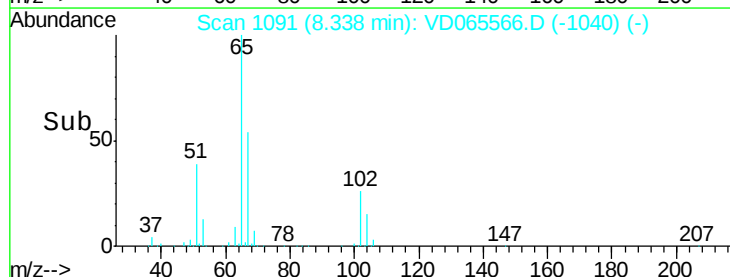
8.34

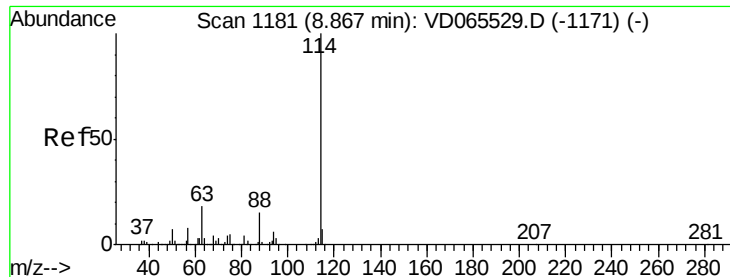
100000

50000

0

Time-->

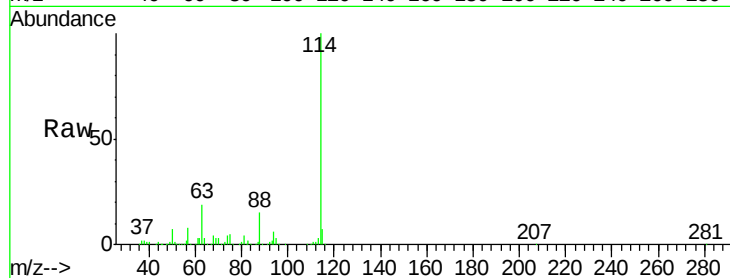




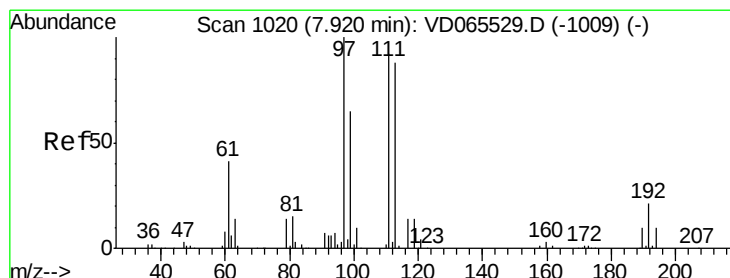
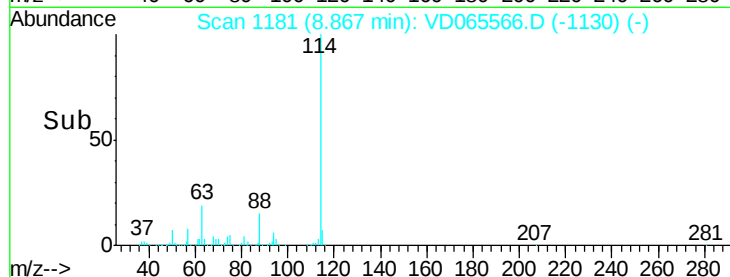
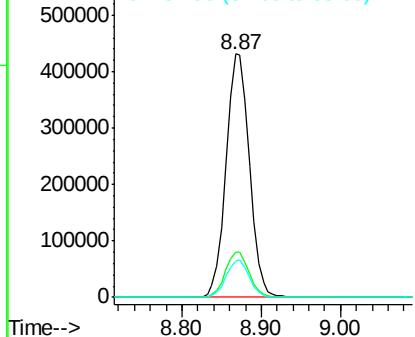
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD065566.D
Acq: 31 Mar 2020 15:18

Instrument :
MSVOA_D
ClientSampleId :
PL-03-033020RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.0
88	14.7	0.0	30.4

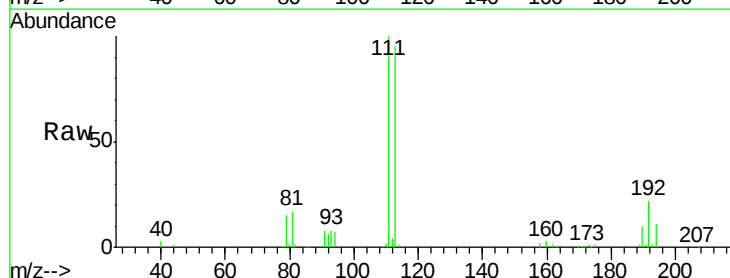


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

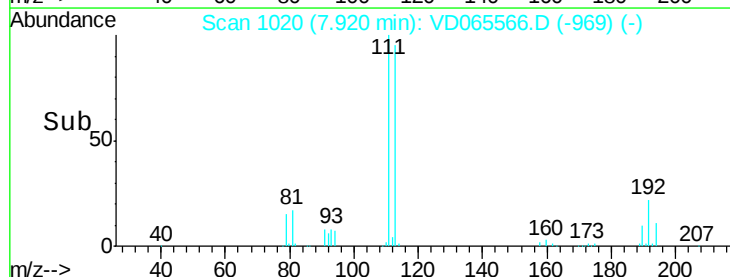
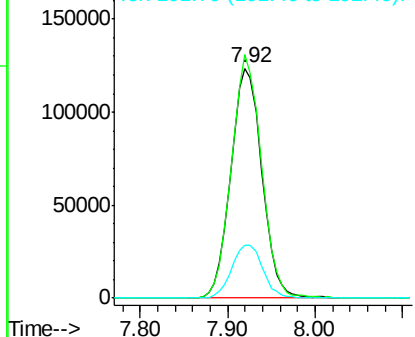


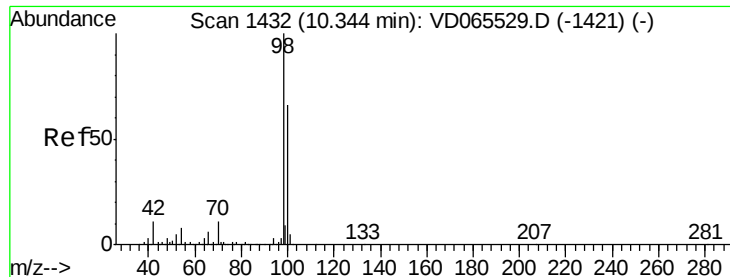
#35
Dibromofluoromethane
Concen: 54.961 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065566.D
Acq: 31 Mar 2020 15:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	23.1	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: 51.724 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065566.D

Acq: 31 Mar 2020 15:18

Instrument :

MSVOA_D

ClientSampleId :

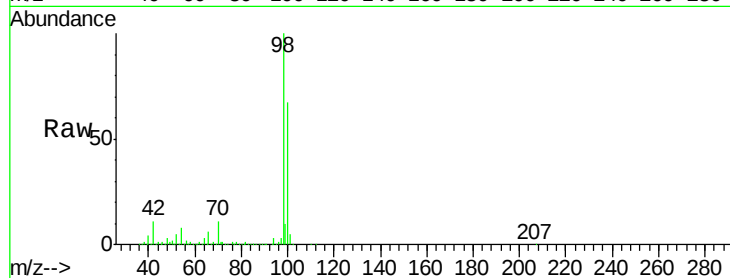
PL-03-033020RE

Tot Ion: 98 Resp: 1052028

Ion Ratio Lower Upper

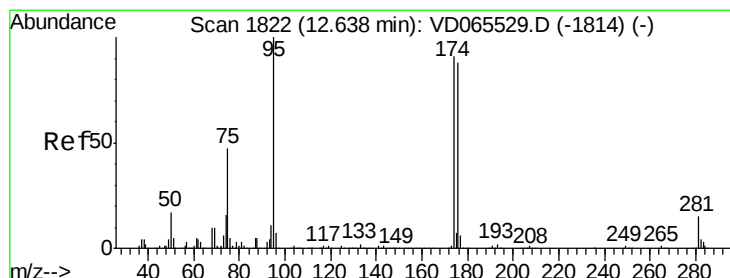
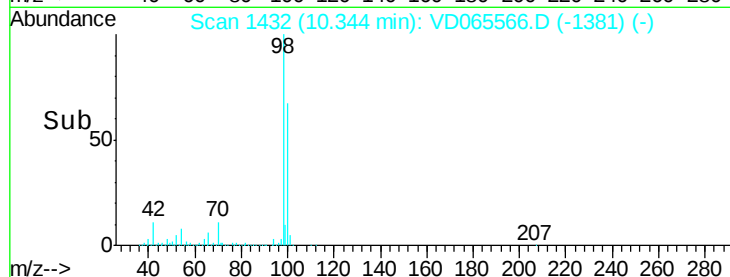
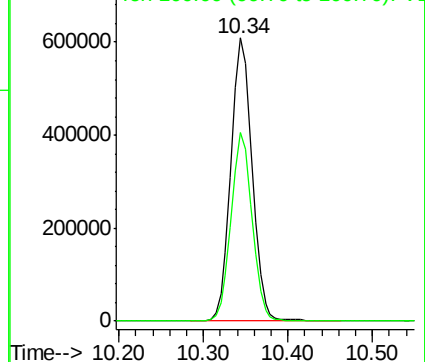
98 100

100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 56.020 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065566.D

Acq: 31 Mar 2020 15:18

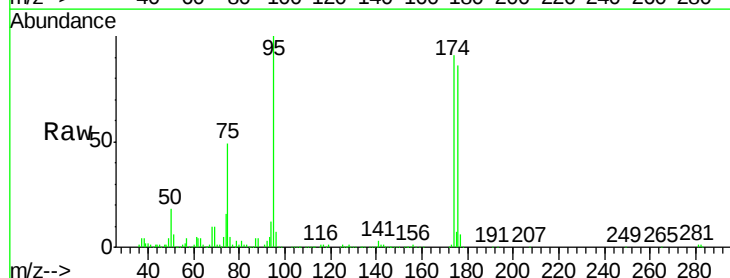
Tgt Ion: 95 Resp: 361635

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.8

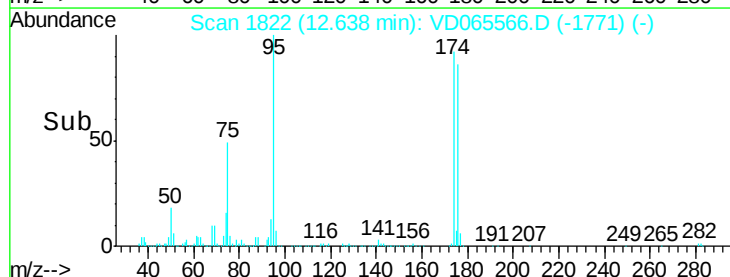
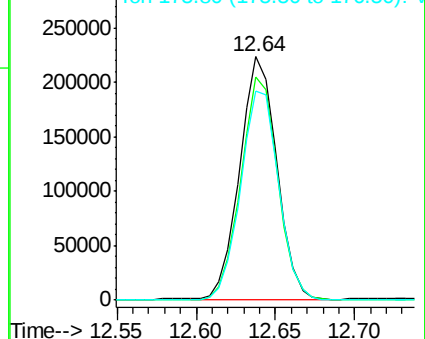
176 88.7 0.0 178.2

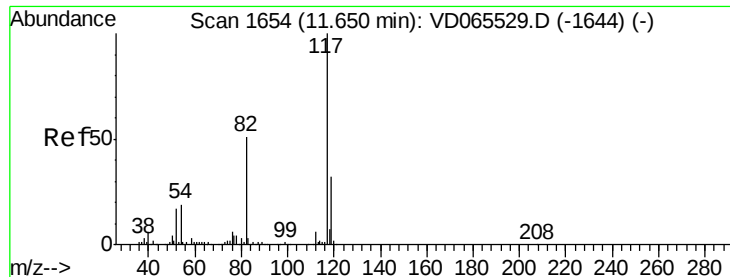


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

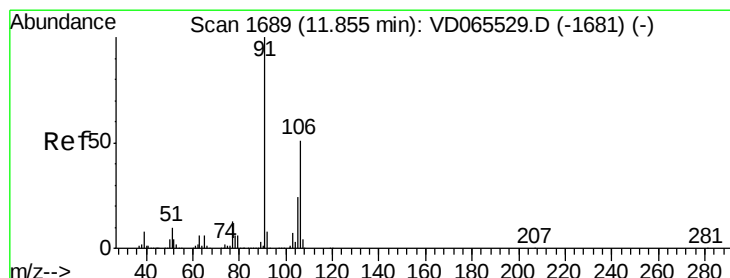
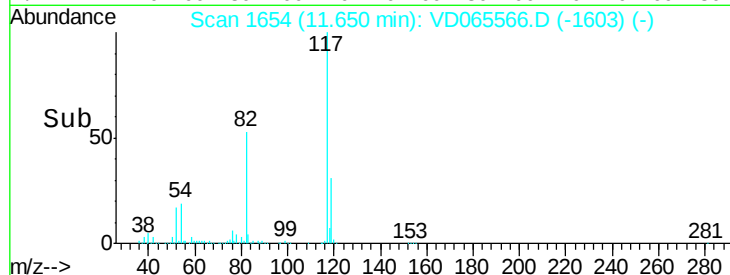
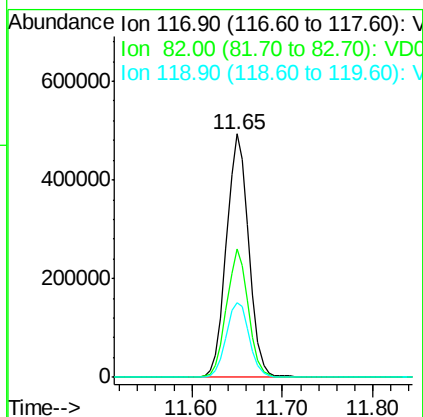
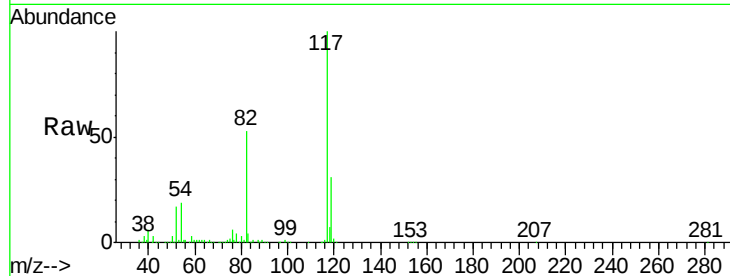




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065566.D
Acq: 31 Mar 2020 15:18

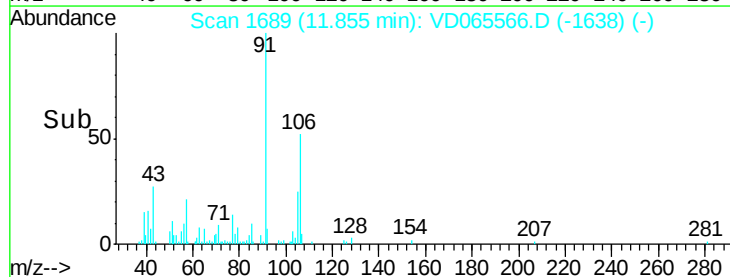
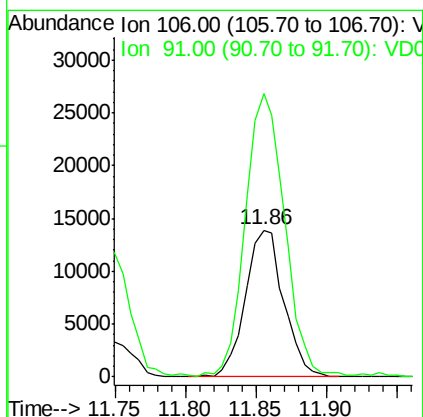
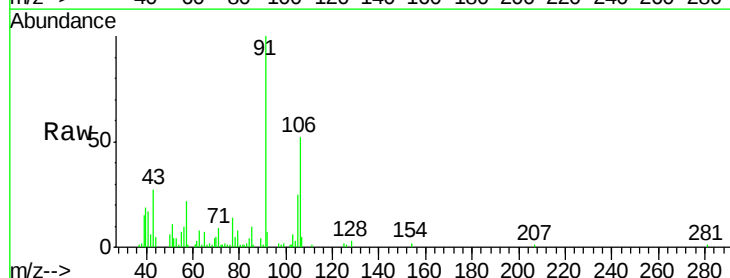
Instrument :
MSVOA_D
ClientSampleId :
PL-03-033020RE

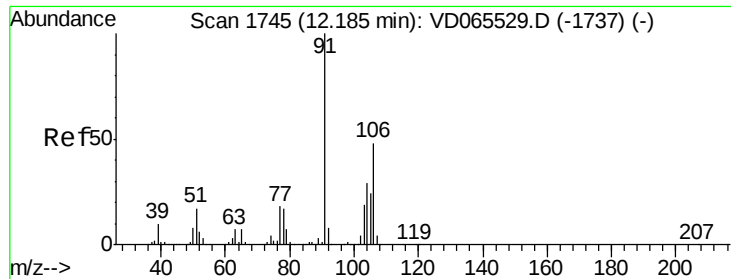
Tot Ion:117 Resp: 841725
Ion Ratio Lower Upper
117 100
82 52.5 41.0 61.6
119 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 2.435 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065566.D
Acq: 31 Mar 2020 15:18

Tgt Ion:106 Resp: 26496
Ion Ratio Lower Upper
106 100
91 198.3 155.4 233.0

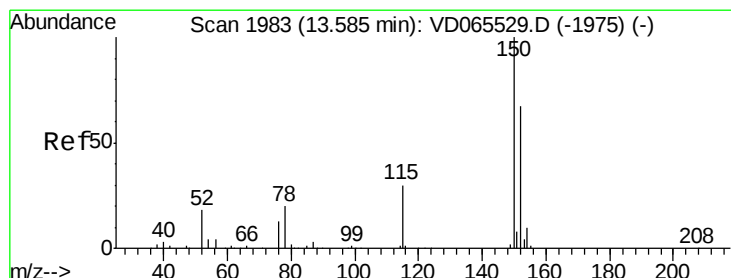
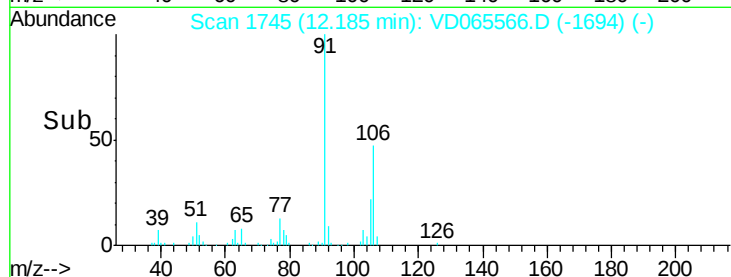
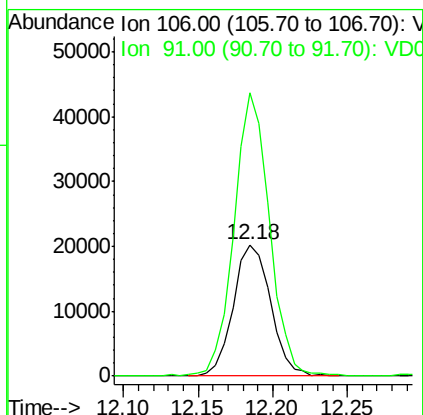
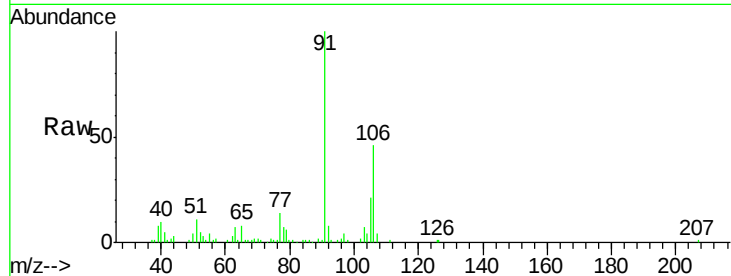




#69
o-Xylene
Concen: 3.701 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065566.D
Acq: 31 Mar 2020 15:18

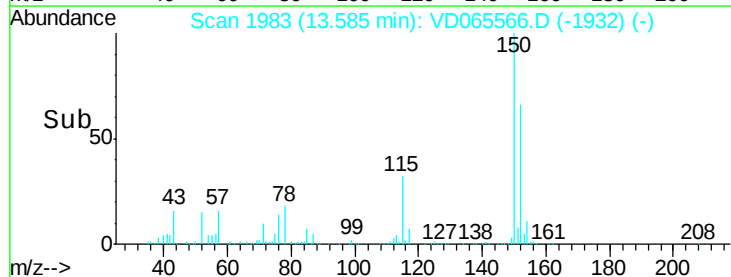
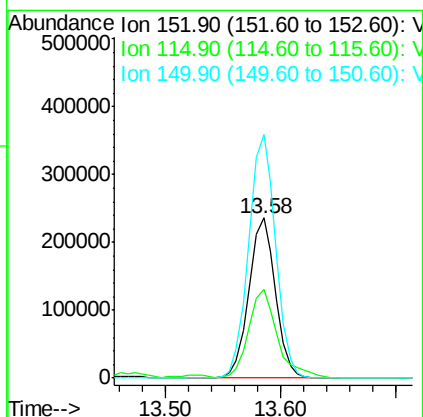
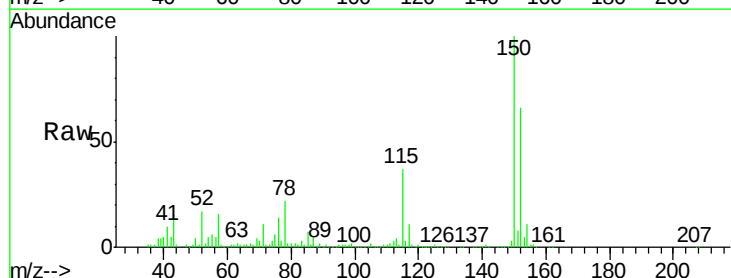
Instrument :
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ClientSampleId :
PL-03-033020RE

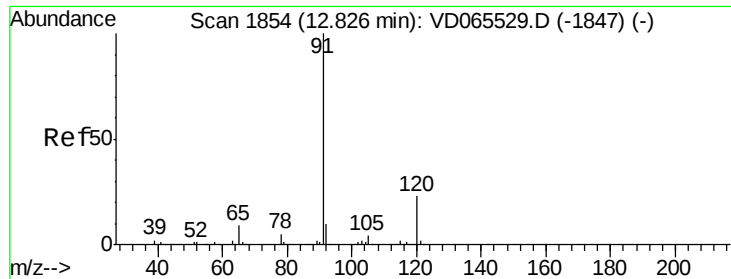
Tot Ion:106 Resp: 35274
Ion Ratio Lower Upper
106 100
91 204.5 102.8 308.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065566.D
Acq: 31 Mar 2020 15:18

Tgt Ion:152 Resp: 378382
Ion Ratio Lower Upper
152 100
115 60.1 27.2 81.6
150 154.4 0.0 340.2





#78

n-propylbenzene

Concen: 4.021 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065566.D

Acq: 31 Mar 2020 15:18

Instrument :

MSVOA_D

ClientSampleId :

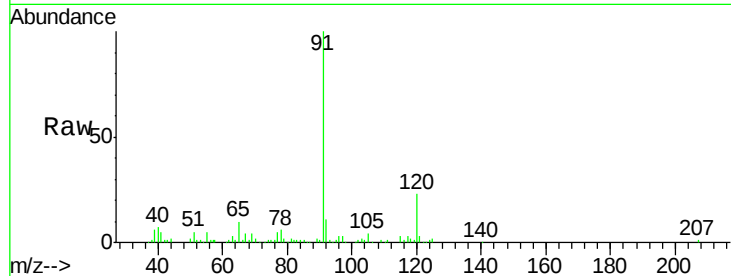
PL-03-033020RE

Tot Ion: 91 Resp: 111349

Ion Ratio Lower Upper

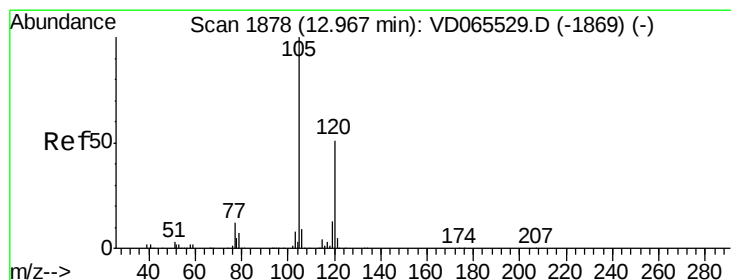
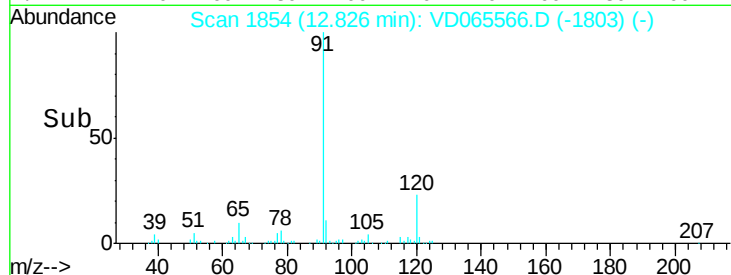
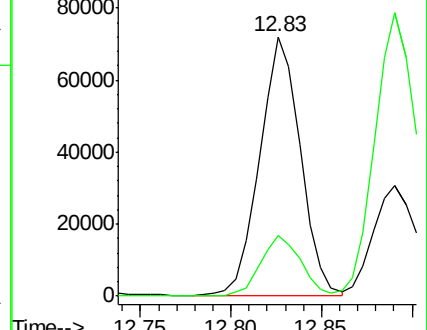
91 100

120 23.4 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: 12.342 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065566.D

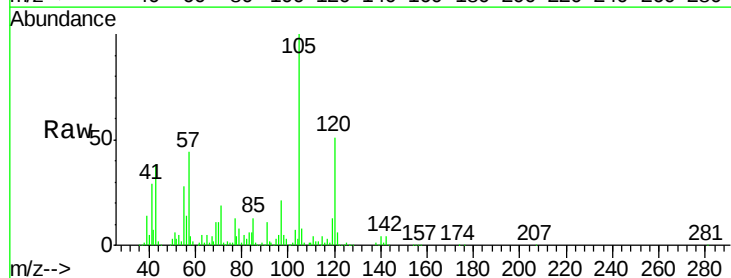
Acq: 31 Mar 2020 15:18

Tgt Ion: 105 Resp: 237682

Ion Ratio Lower Upper

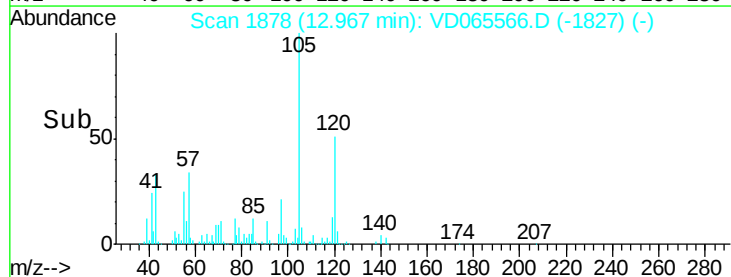
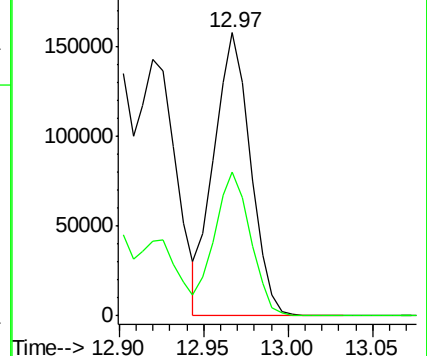
105 100

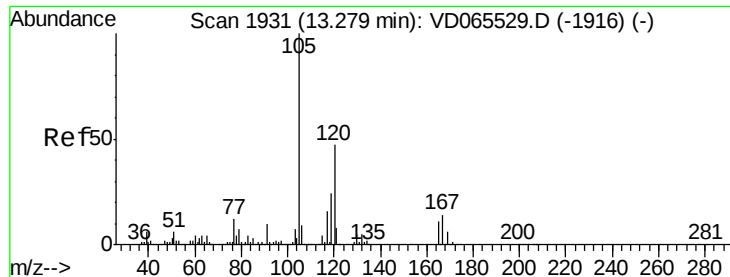
120 50.4 25.6 76.6



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

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

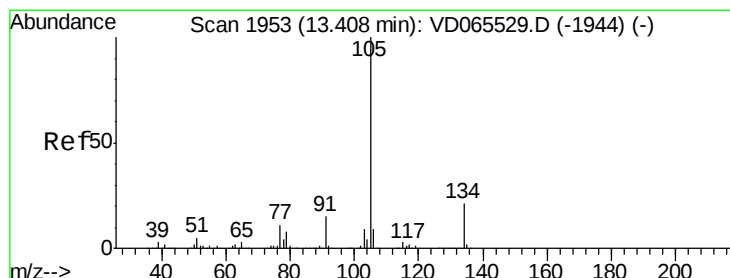
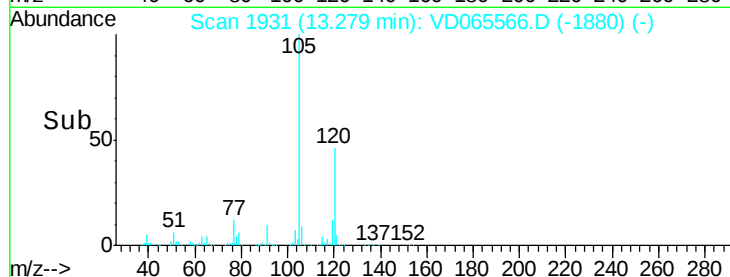
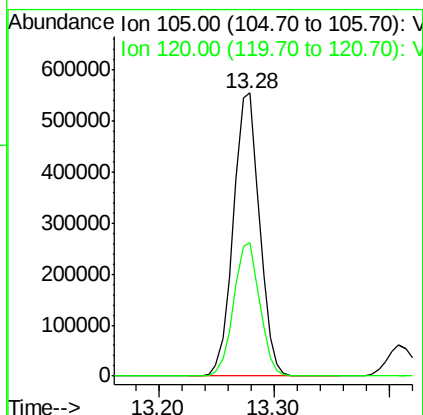
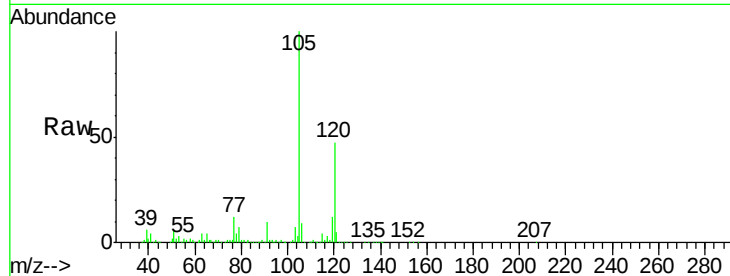




#84
 1,2,4-Trimethylbenzene
 Concen: 45.142 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065566.D
 Acq: 31 Mar 2020 15:18

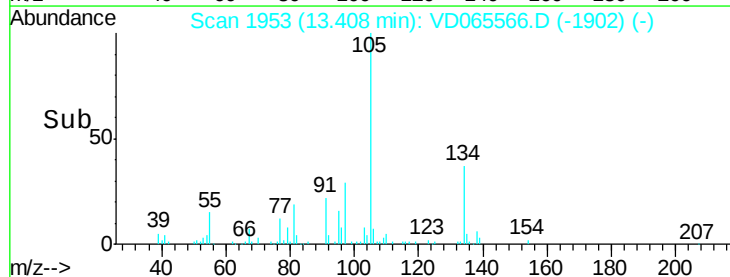
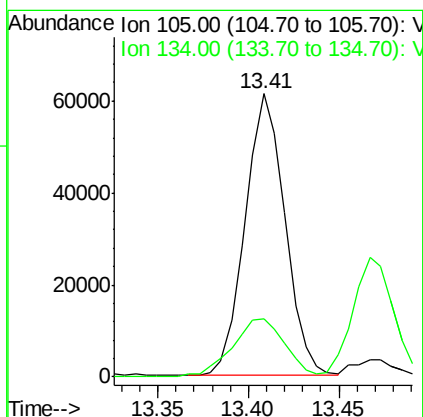
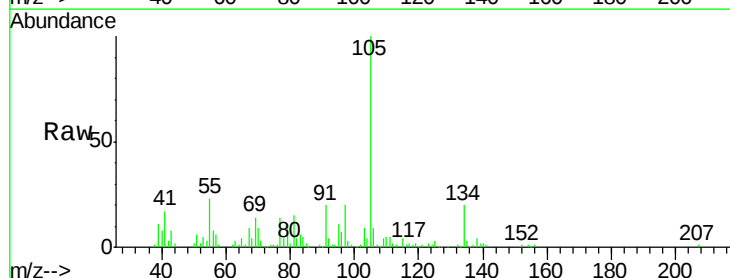
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-033020RE

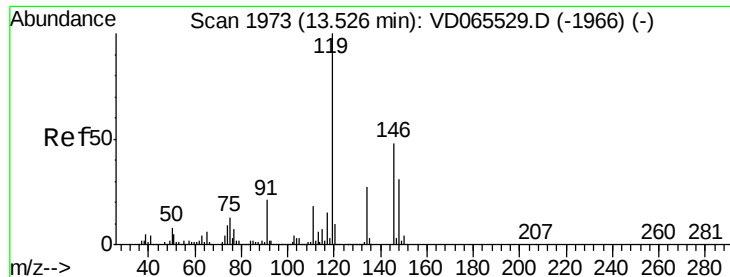
Tot Ion:105 Resp: 869089
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.5 70.5



#85
 sec-Butylbenzene
 Concen: 4.064 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065566.D
 Acq: 31 Mar 2020 15:18

Tgt Ion:105 Resp: 93801
 Ion Ratio Lower Upper
 105 100
 134 27.2 10.6 31.8

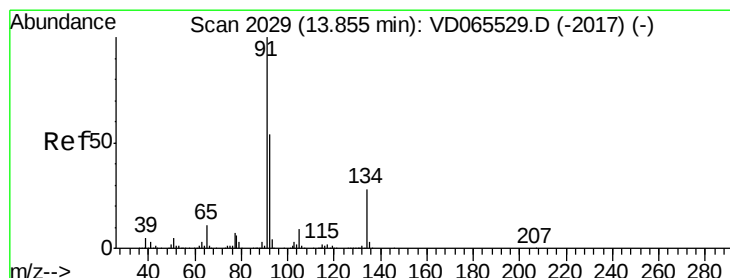
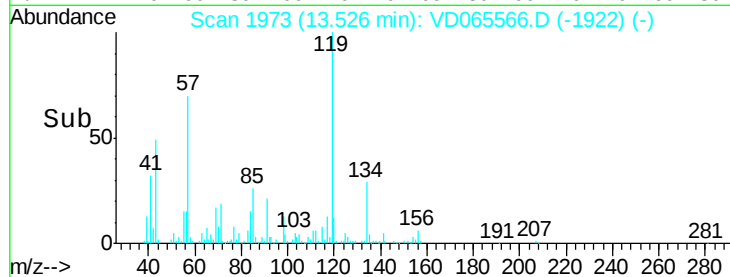
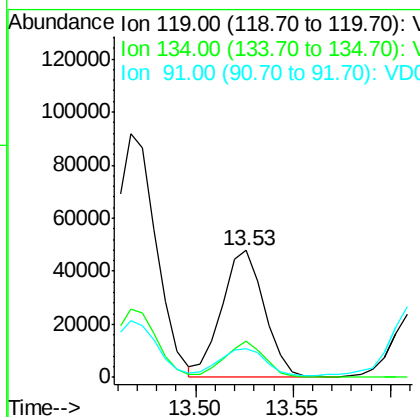
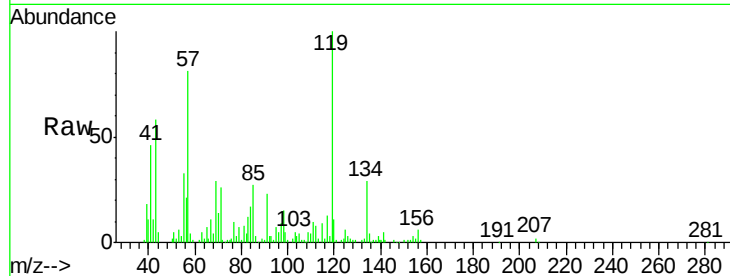




#86
 p-Isopropyltoluene
 Concen: 3.415 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065566.D
 Acq: 31 Mar 2020 15:18

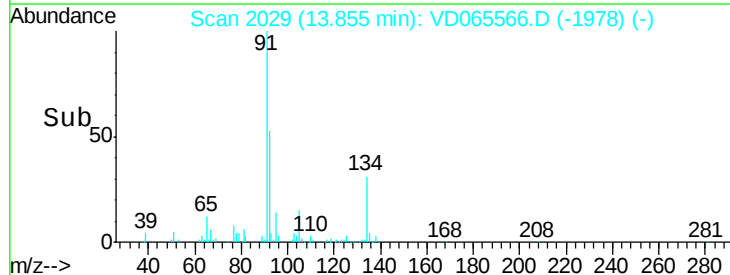
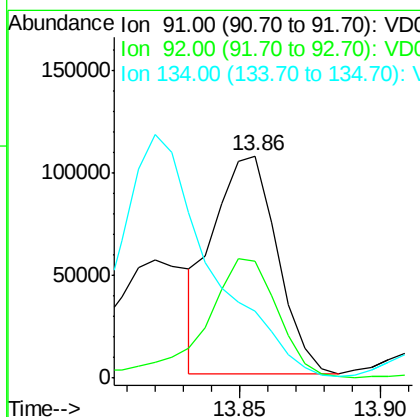
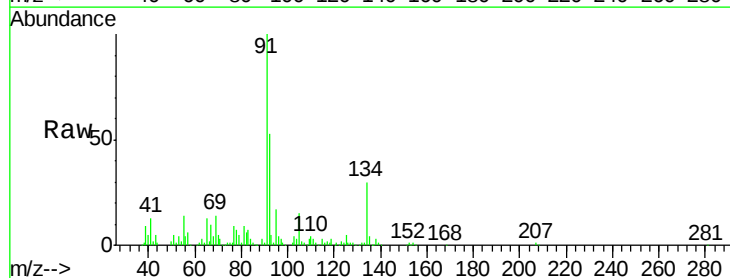
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-033020RE

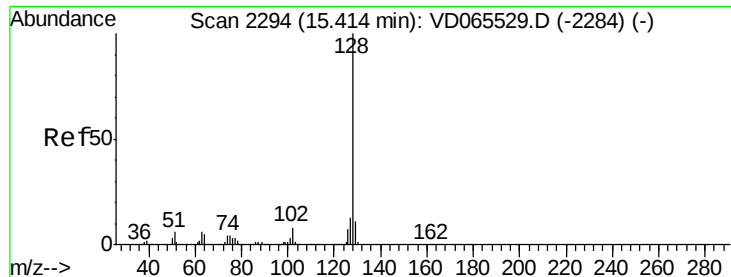
Tot Ion:119 Resp: 72629
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.5 40.5
 91 22.0 10.8 32.3



#89
 n-Butylbenzene
 Concen: 8.588 ug/l
 RT: 13.86 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VD065566.D
 Acq: 31 Mar 2020 15:18

Tgt Ion: 91 Resp: 165873
 Ion Ratio Lower Upper
 91 100
 92 60.8 26.8 80.4
 134 0.0 13.7 41.0#

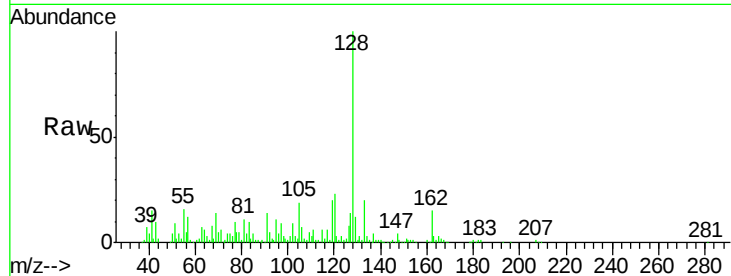




#95
Naphthalene
Concen: 21.475 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065566.D
Acq: 31 Mar 2020 15:18

Instrument :
MSVOA_D
ClientSampleId :
PL-03-033020RE

Tot Ion:128 Resp: 219438
Ion Ratio Lower Upper
128 100
127 16.1 10.4 15.6#
129 14.3 8.7 13.1#



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

