

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD052319\
 Data File : VD062521.D
 Acq On : 23 May 2019 14:47
 Operator : VA/AP
 Sample : K2996-06RE
 Misc : 5.24g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-7(0.5-1.0)RE

Quant Time: Jun 03 02:10:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

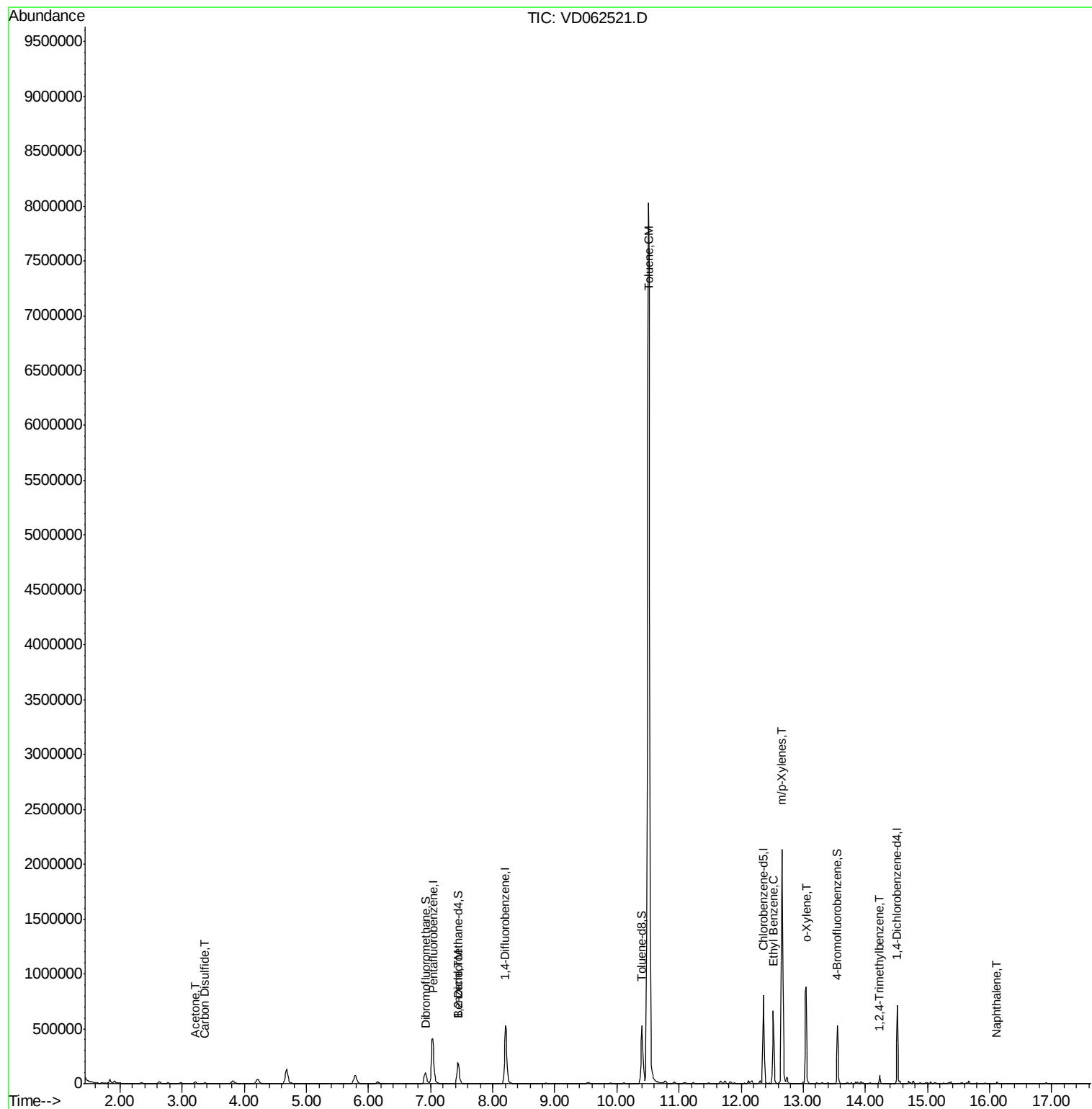
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	436505	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	591980	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	452252	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	149758	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	170740	36.54	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	73.08%	
35) Dibromofluoromethane	6.91	113	98468	18.44	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	36.88%	
50) Toluene-d8	10.40	98	451223	38.61	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	77.22%	
62) 4-Bromofluorobenzene	13.55	95	142855	27.94	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	55.88%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	31878	38.072	ug/l #	89
17) Carbon Disulfide	3.36	76	14637	1.495	ug/l	99
40) Benzene	7.44	78	45451	4.094	ug/l	100
52) Toluene	10.51	92	4593961	604.467	ug/l	97
67) Ethyl Benzene	12.52	91	435972	29.104	ug/l	97
68) m/p-Xylenes	12.65	106	651917	121.236	ug/l	91
69) o-Xylene	13.05	106	221812	43.719	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	35655	4.257	ug/l	87
95) Naphthalene	16.12	128	10254	2.370	ug/l	97

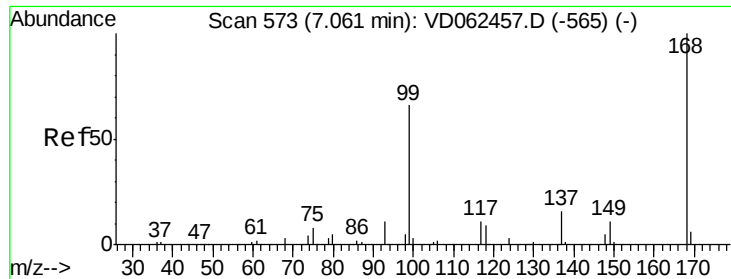
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
P-7(0.5-1.0)RE

Quant Time: Jun 03 02:10:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062521.D

Acq: 23 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

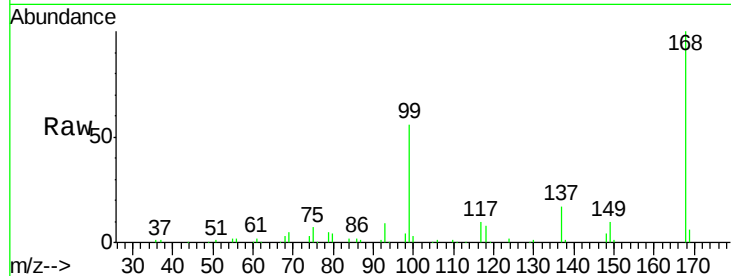
P-7(0.5-1.0)RE

Tot Ion:168 Resp: 436505

Ion Ratio Lower Upper

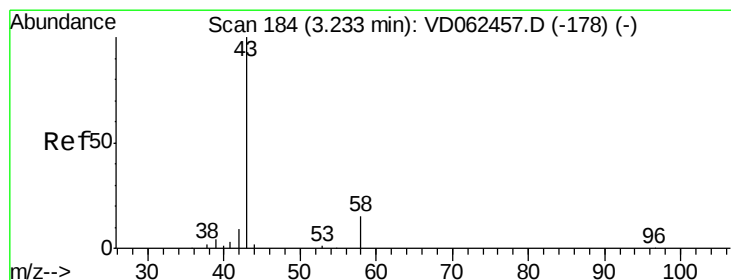
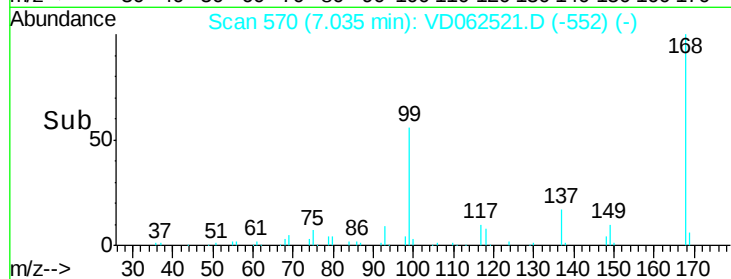
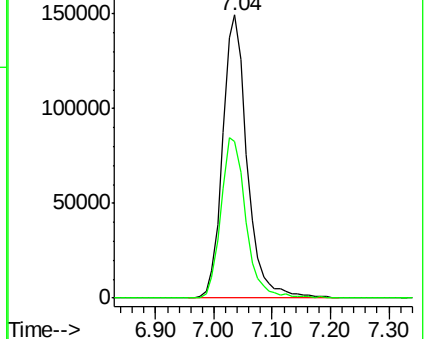
168 100

99 55.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 38.072 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD062521.D

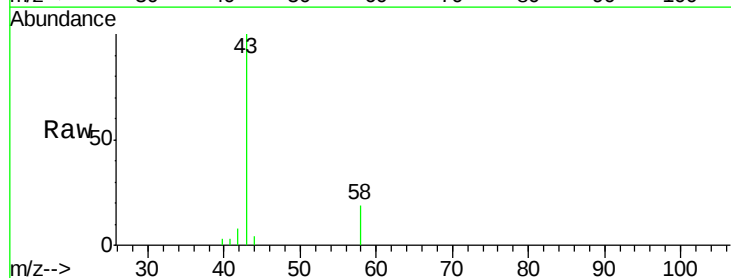
Acq: 23 May 2019 14:47

Tgt Ion: 43 Resp: 31878

Ion Ratio Lower Upper

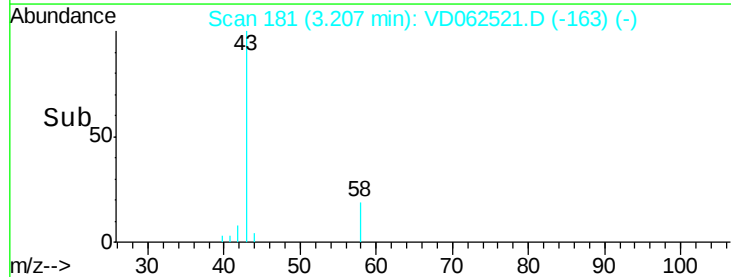
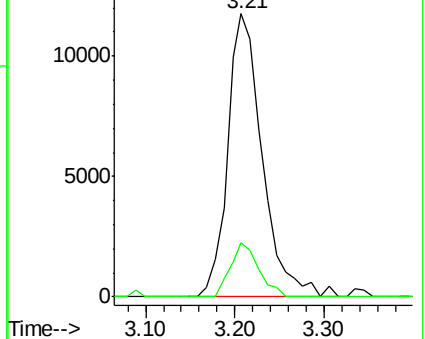
43 100

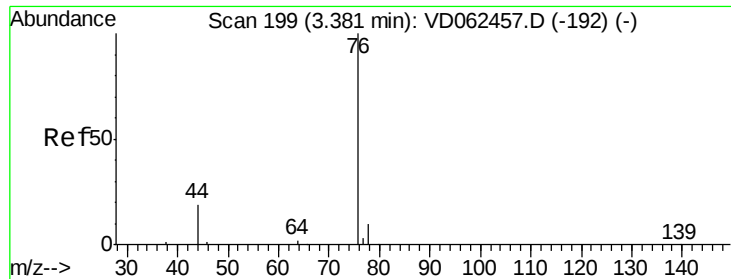
58 19.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

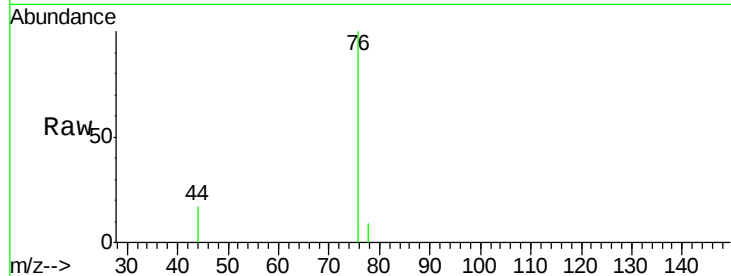




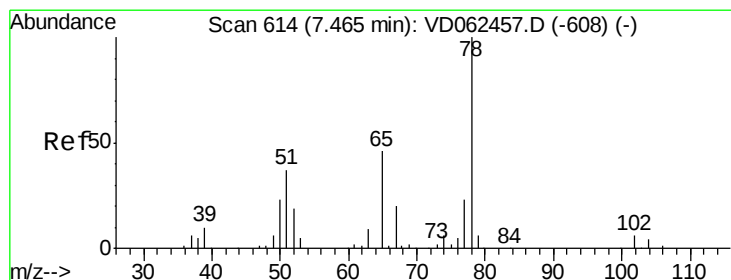
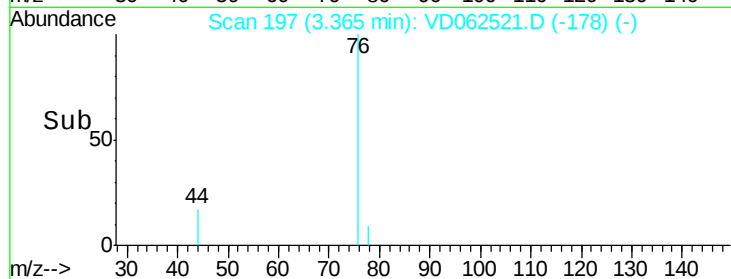
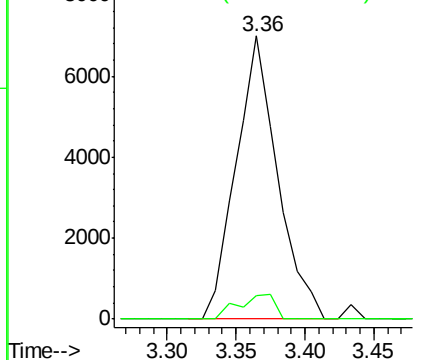
#17
Carbon Disulfide
Concen: 1.495 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD062521.D
Acq: 23 May 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)RE

Tot Ion: 76 Resp: 14637
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

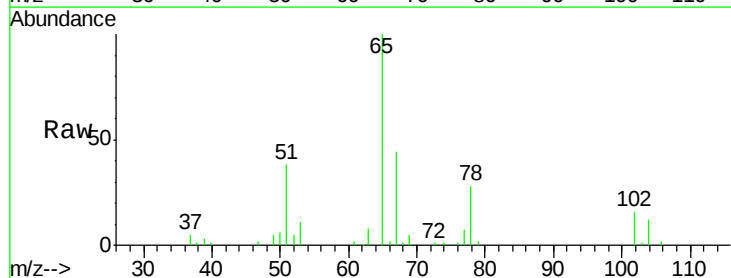


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

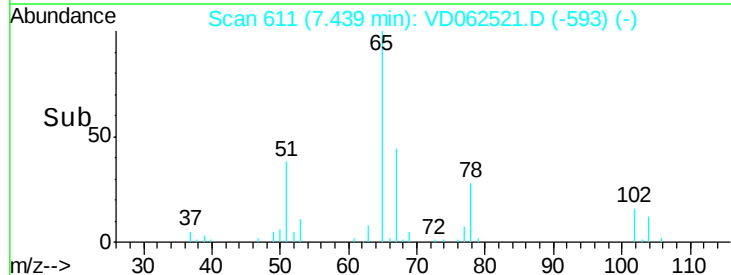
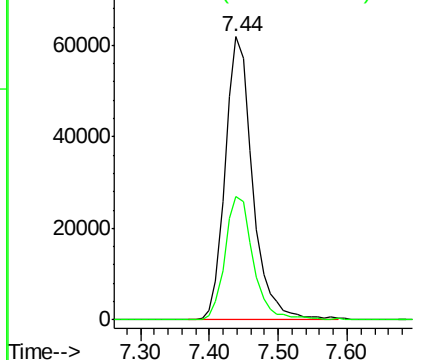


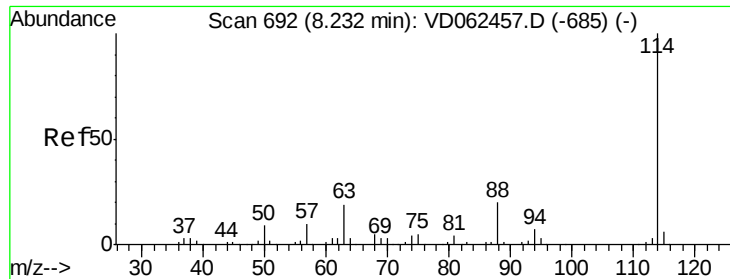
#33
1,2-Dichloroethane-d4
Concen: 36.541 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD062521.D
Acq: 23 May 2019 14:47

Tgt Ion: 65 Resp: 170740
Ion Ratio Lower Upper
65 100
67 43.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

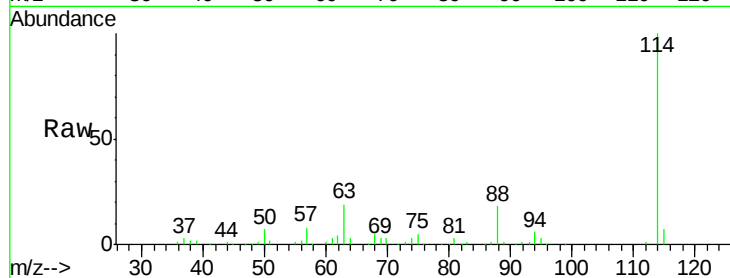




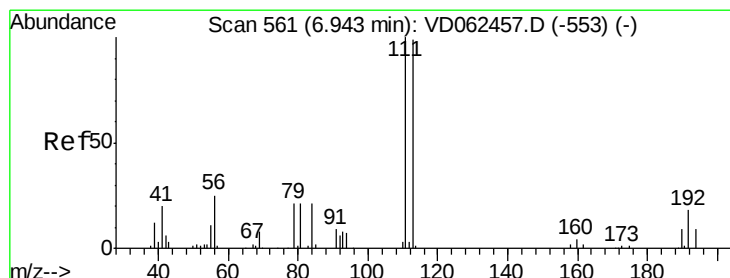
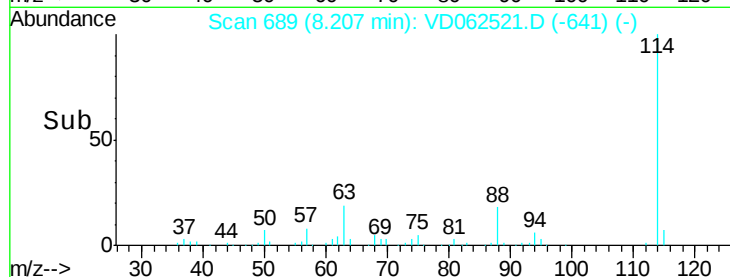
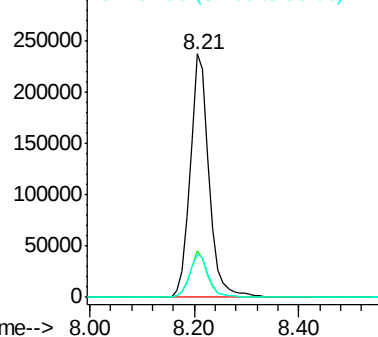
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.03 min
Lab File: VD062521.D
Acq: 23 May 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)RE

Tot Ion:114 Resp: 591980
Ion Ratio Lower Upper
114 100
63 19.0 0.0 32.4
88 17.5 0.0 33.6

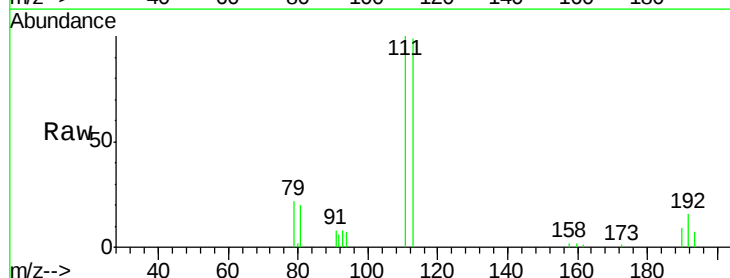


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

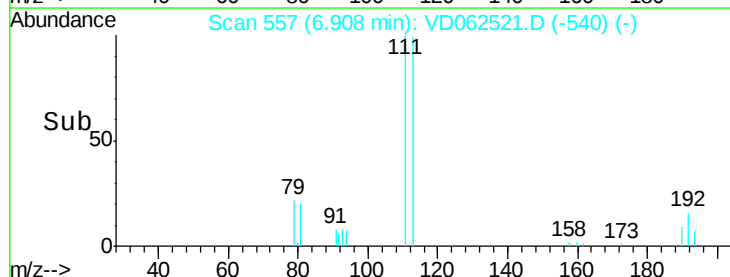
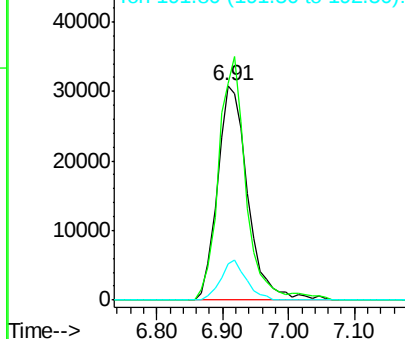


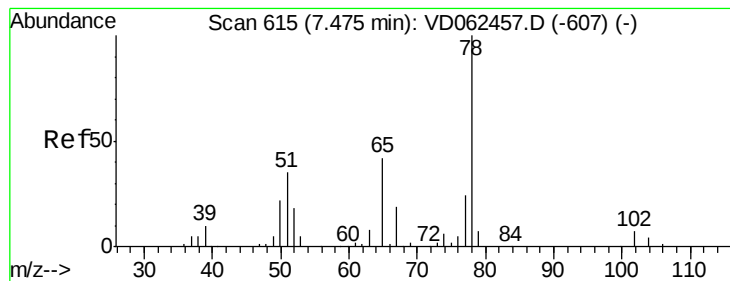
#35
Dibromofluoromethane
Concen: 18.438 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.04 min
Lab File: VD062521.D
Acq: 23 May 2019 14:47

Tgt Ion:113 Resp: 98468
Ion Ratio Lower Upper
113 100
111 101.3 78.5 117.7
192 16.6 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 4.094 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.04 min

Lab File: VD062521.D

Acq: 23 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

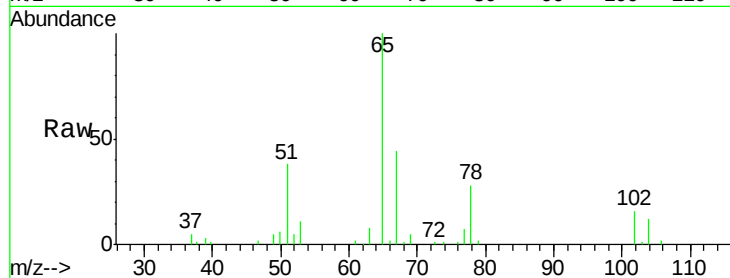
P-7(0.5-1.0)RE

Tot Ion: 78 Resp: 45451

Ion Ratio Lower Upper

78 100

77 24.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.44

20000

15000

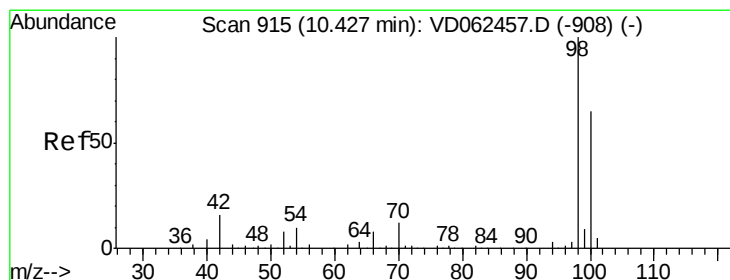
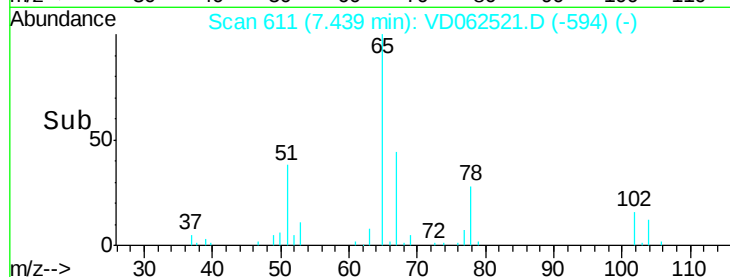
10000

5000

0

7.40 7.50

Time-->



#50

Toluene-d8

Concen: 38.609 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.03 min

Lab File: VD062521.D

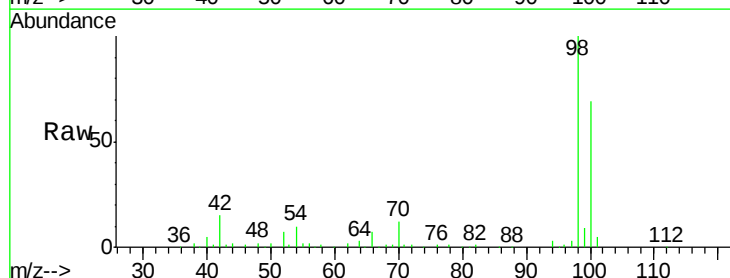
Acq: 23 May 2019 14:47

Tgt Ion: 98 Resp: 451223

Ion Ratio Lower Upper

98 100

100 69.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.40

200000

150000

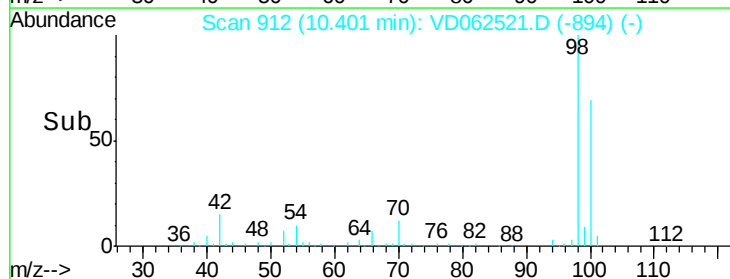
100000

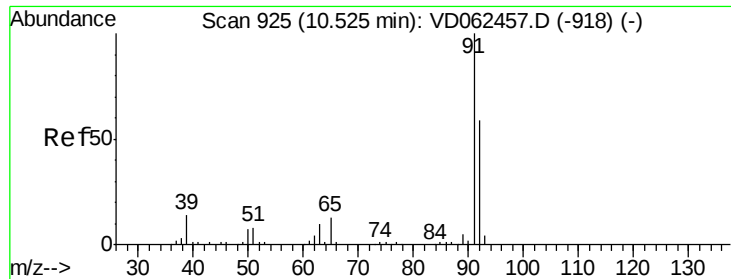
50000

0

10.30 10.40 10.50 10.60

Time-->





#52

Toluene

Concen: 604.467 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD062521.D

Acq: 23 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

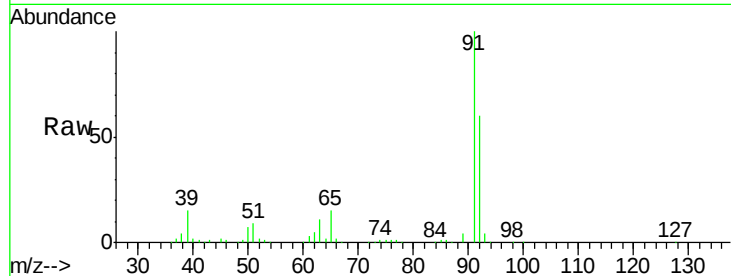
P-7(0.5-1.0)RE

Tot Ion: 92 Resp: 4593961

Ion Ratio Lower Upper

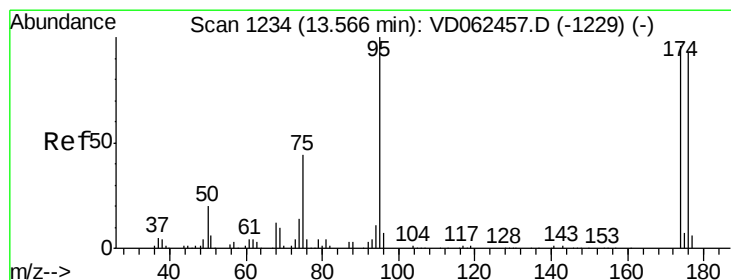
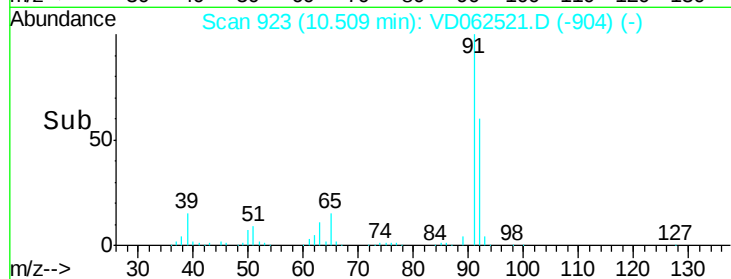
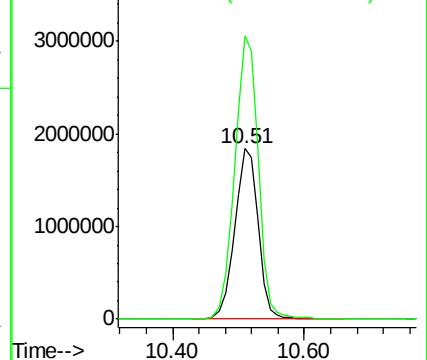
92 100

91 166.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 27.944 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD062521.D

Acq: 23 May 2019 14:47

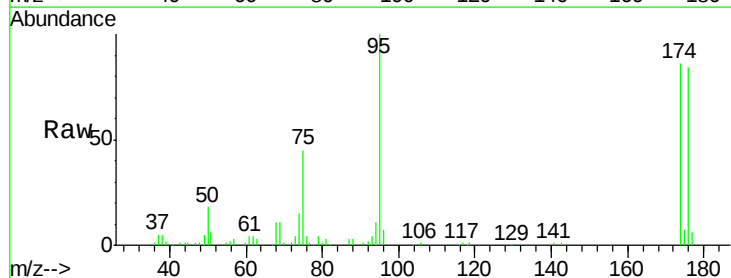
Tgt Ion: 95 Resp: 142855

Ion Ratio Lower Upper

95 100

174 86.4 0.0 181.8

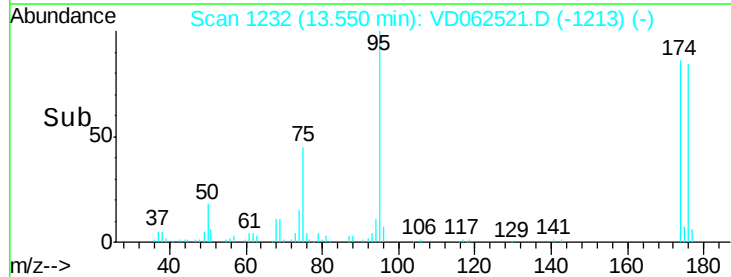
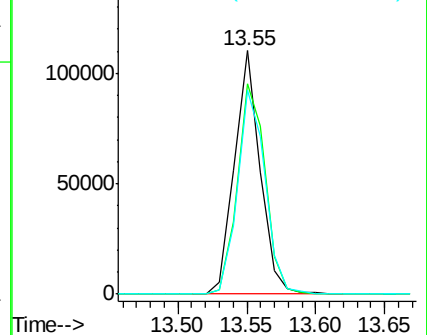
176 83.7 0.0 174.4

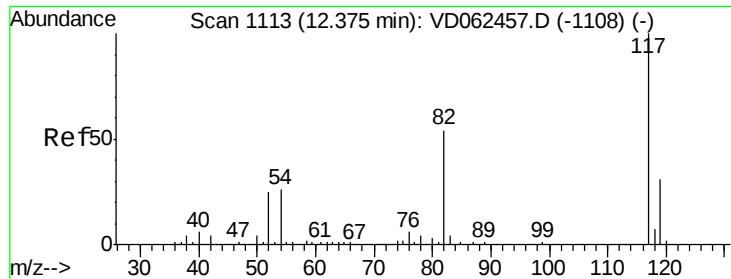


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD062521.D

Acq: 23 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

P-7(0.5-1.0)RE

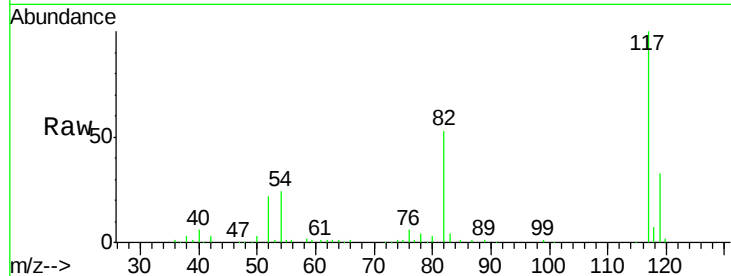
Tot Ion:117 Resp: 452252

Ion Ratio Lower Upper

117 100

82 52.8 36.2 54.2

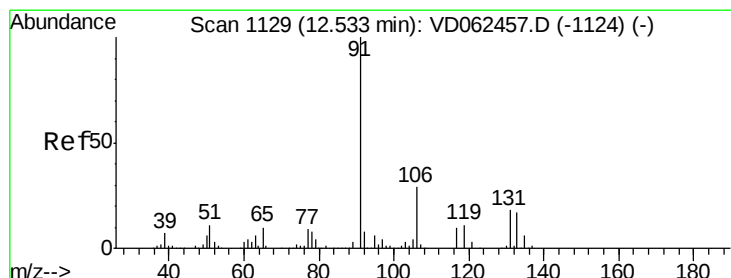
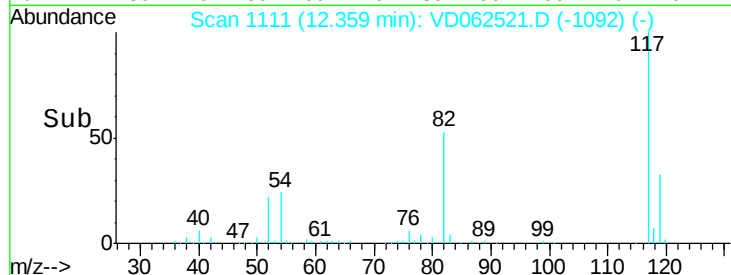
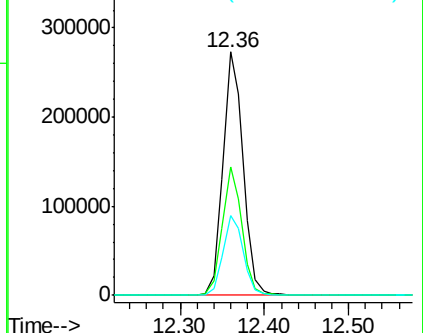
119 32.5 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#67

Ethyl Benzene

Concen: 29.104 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.02 min

Lab File: VD062521.D

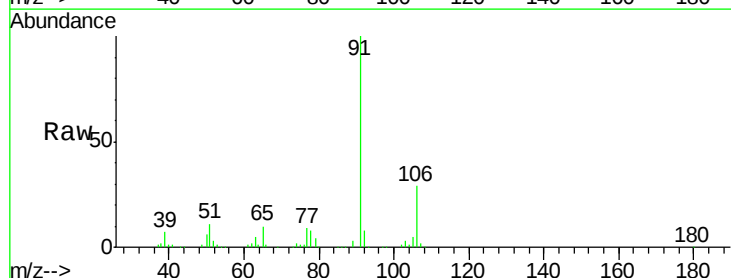
Acq: 23 May 2019 14:47

Tgt Ion: 91 Resp: 435972

Ion Ratio Lower Upper

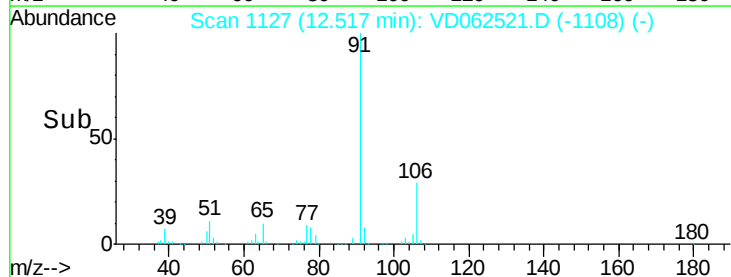
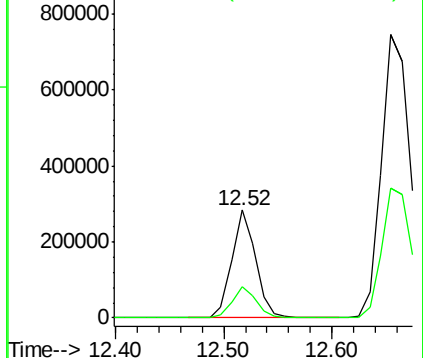
91 100

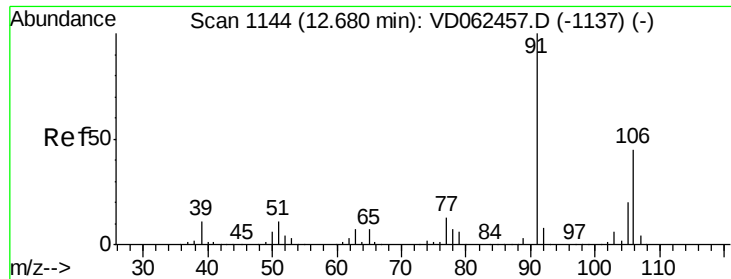
106 29.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

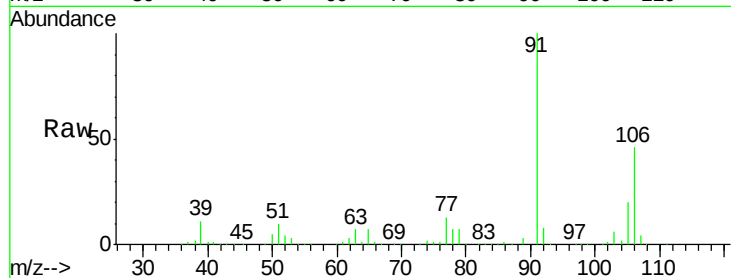




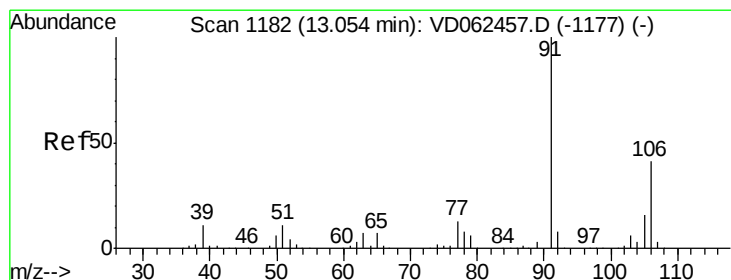
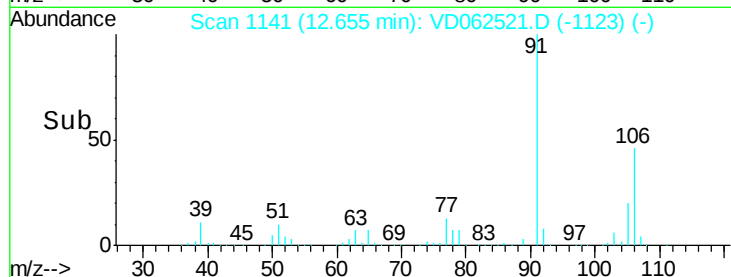
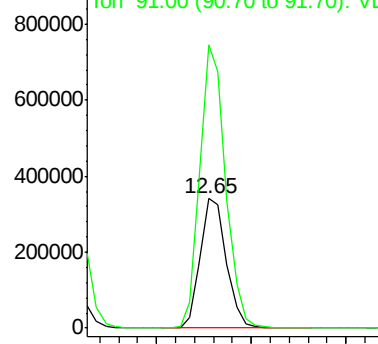
#68
m/p-Xylenes
Concen: 121.236 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD062521.D
Acq: 23 May 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)RE

Tot Ion:106 Resp: 651917
Ion Ratio Lower Upper
106 100
91 218.6 164.0 246.0

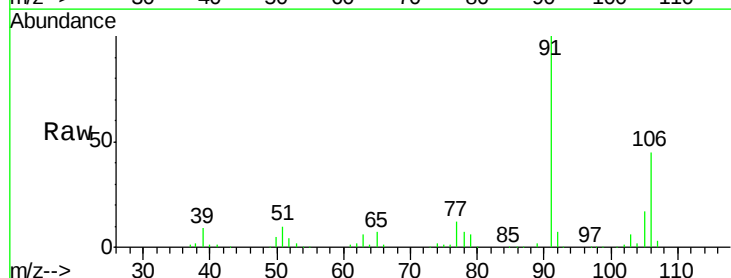


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

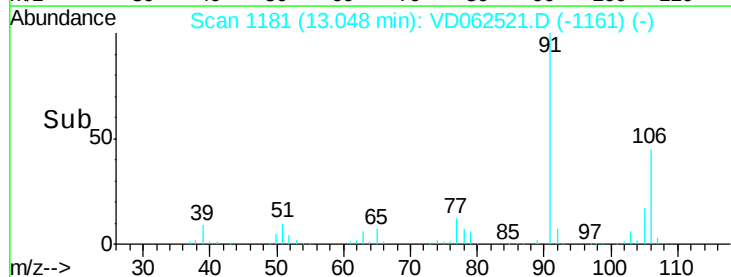
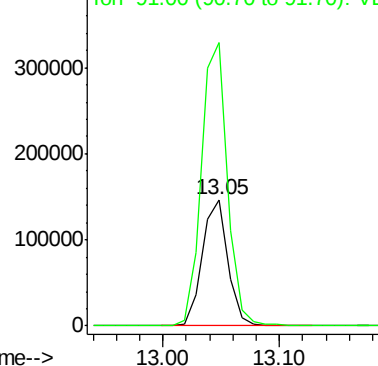


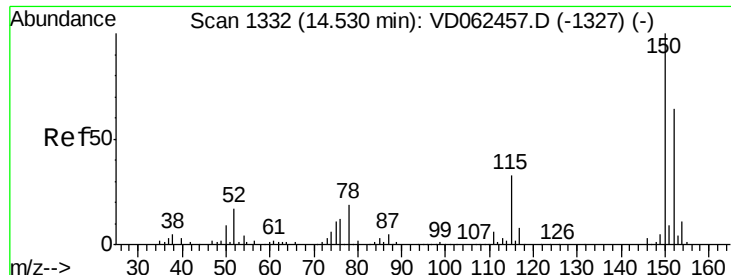
#69
o-Xylene
Concen: 43.719 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062521.D
Acq: 23 May 2019 14:47

Tgt Ion:106 Resp: 221812
Ion Ratio Lower Upper
106 100
91 224.2 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062521.D

Acq: 23 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

P-7(0.5-1.0)RE

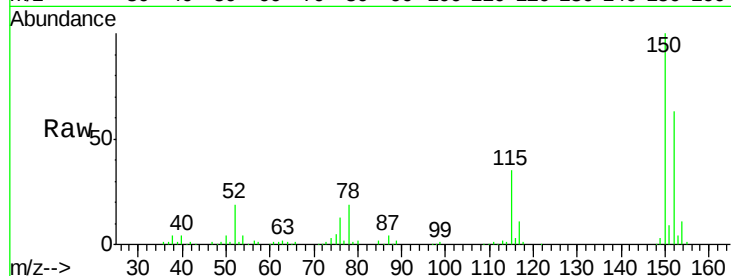
Tot Ion:152 Resp: 149758

Ion Ratio Lower Upper

152 100

115 55.6 30.9 92.7

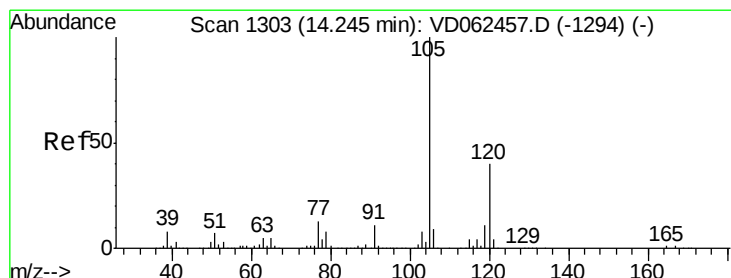
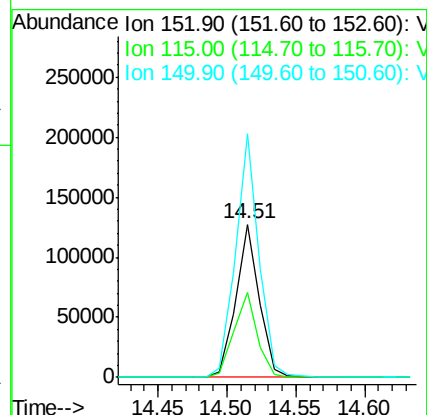
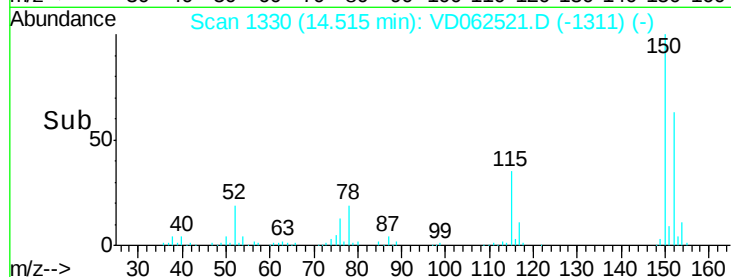
150 159.1 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 4.257 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.02 min

Lab File: VD062521.D

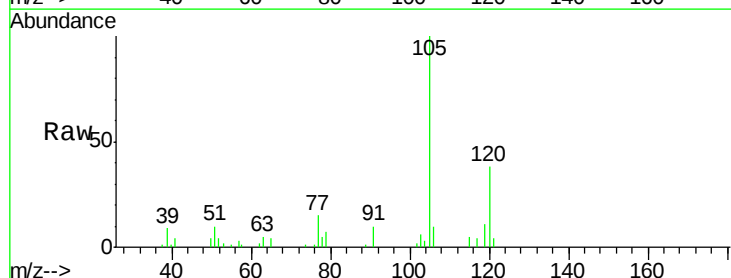
Acq: 23 May 2019 14:47

Tgt Ion:105 Resp: 35655

Ion Ratio Lower Upper

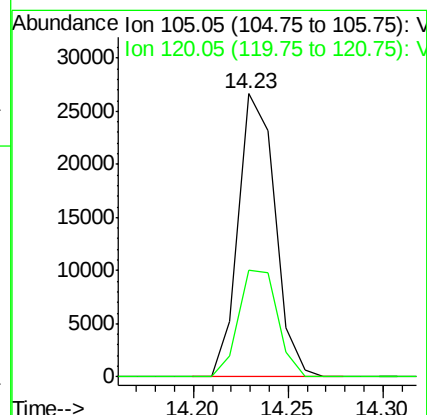
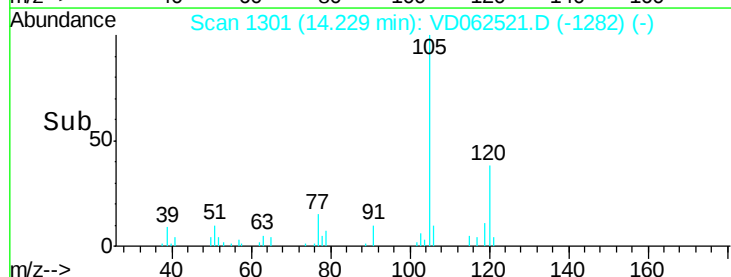
105 100

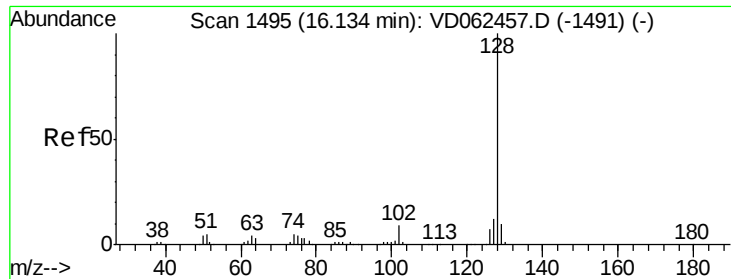
120 37.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95
Naphthalene
Concen: 2.370 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD062521.D
Acq: 23 May 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.8	14.8
129	10.3	8.8	13.2

