

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062404.D
 Acq On : 15 May 2019 22:40
 Operator : FY/SY
 Sample : K2761-04RE
 Misc : 5.72g/5mL/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-006-BRE

Quant Time: May 16 04:56:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	420107	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	603665	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	366597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	95616	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	202215	51.80	ug/l	0.03
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	6.91	113	4574	0.91	ug/l	0.02
Spiked Amount			Recovery	=	1.82%	
50) Toluene-d8	10.41	98	343247	28.42	ug/l	0.00
Spiked Amount			Recovery	=	56.84%	
62) 4-Bromofluorobenzene	13.56	95	111579	23.01	ug/l	0.00
Spiked Amount			Recovery	=	46.02%	

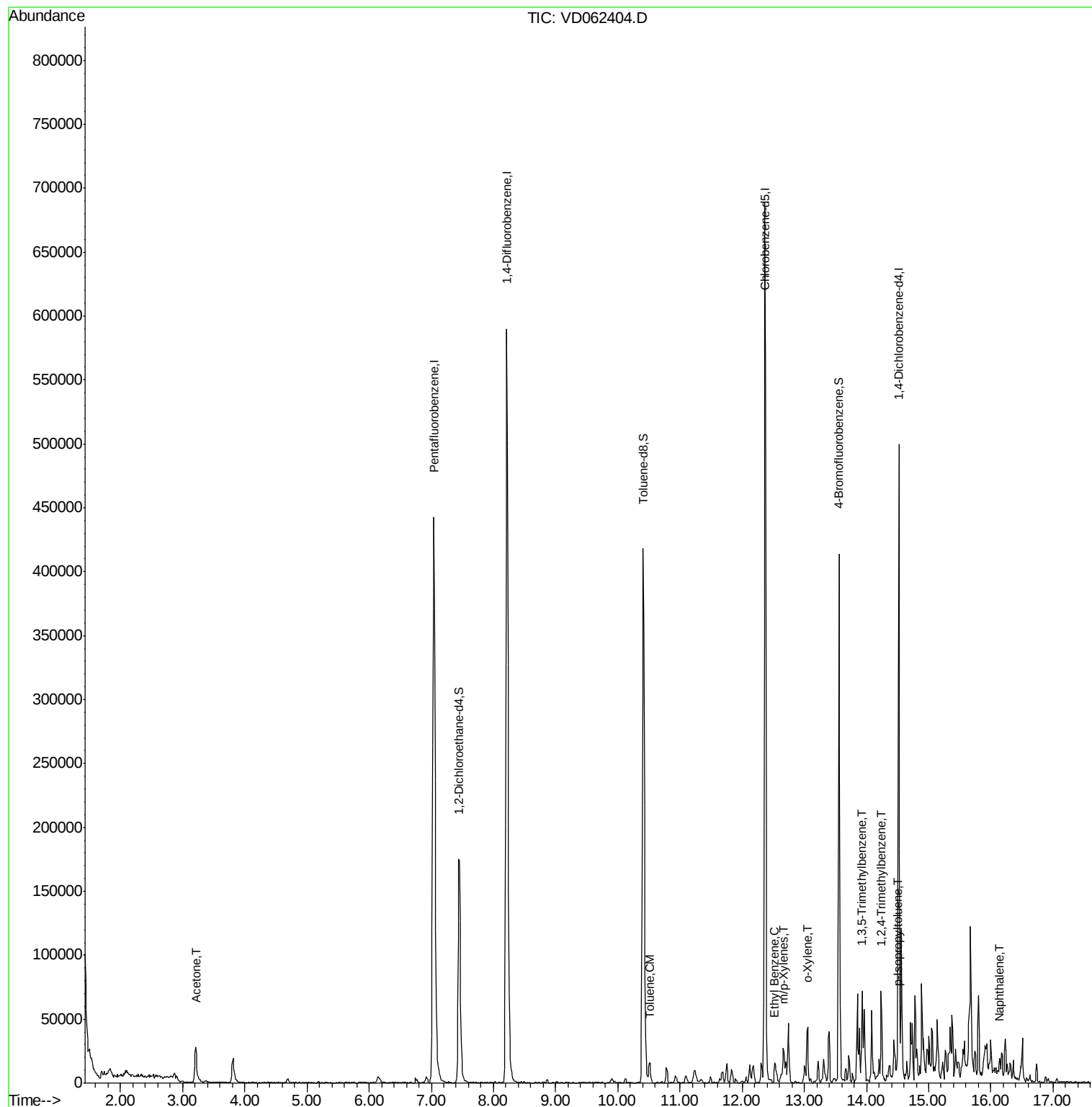
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	50403	61.562	ug/l #	76
52) Toluene	10.51	92	8529	1.173	ug/l	88
67) Ethyl Benzene	12.52	91	12537	1.097	ug/l #	81
68) m/p-Xylenes	12.67	106	7077	1.702	ug/l	84
69) o-Xylene	13.05	106	9940	2.571	ug/l	84
80) 1,3,5-Trimethylbenzene	13.94	105	34922	7.236	ug/l	79
84) 1,2,4-Trimethylbenzene	14.23	105	33236	6.862	ug/l	83
86) p-Isopropyltoluene	14.49	119	8881	1.671	ug/l	92
95) Naphthalene	16.12	128	2693	1.098	ug/l #	90

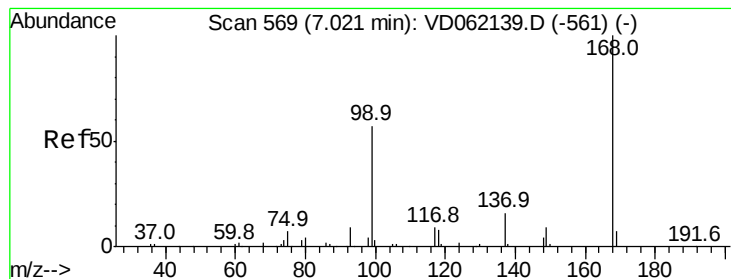
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

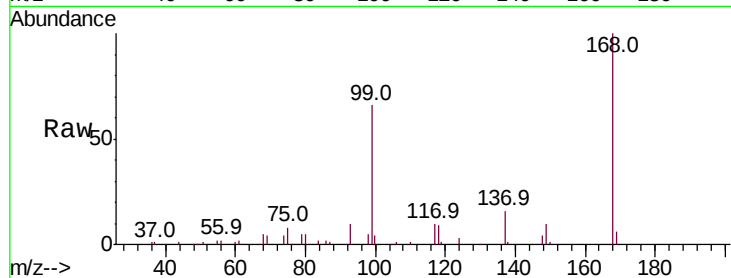
FK-SF-03-006-BRE

Tot Ion:168 Resp: 420107

Ion Ratio Lower Upper

168 100

99 65.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

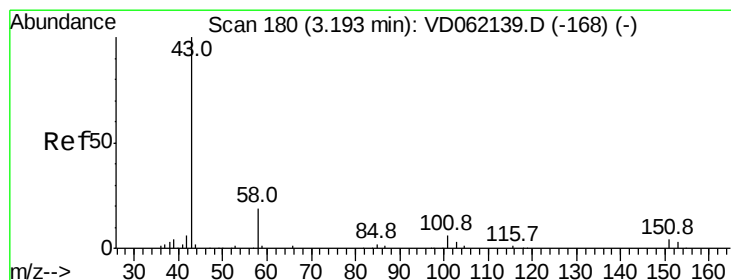
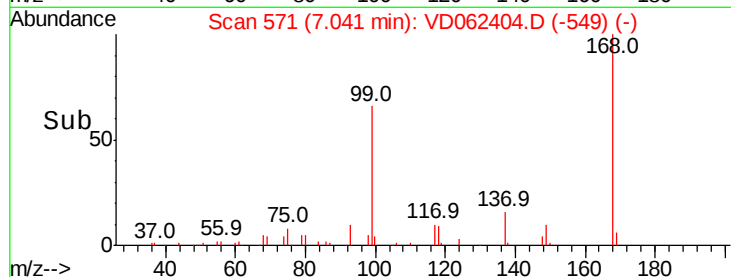
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 61.562 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062404.D

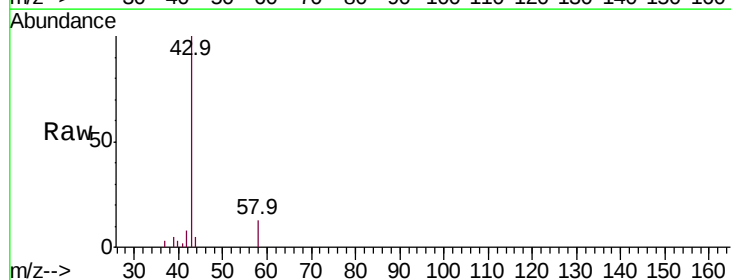
Acq: 15 May 2019 22:40

Tgt Ion: 43 Resp: 50403

Ion Ratio Lower Upper

43 100

58 12.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

20000

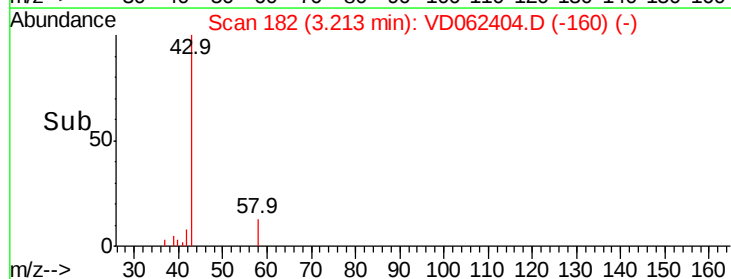
15000

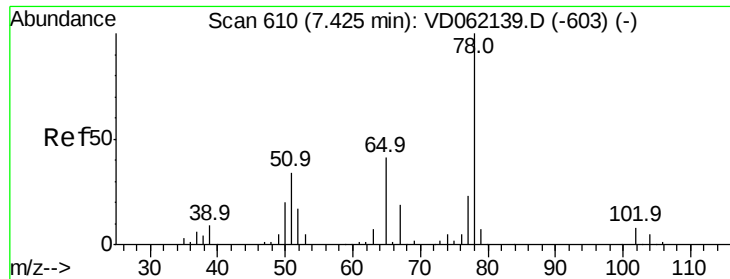
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.795 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

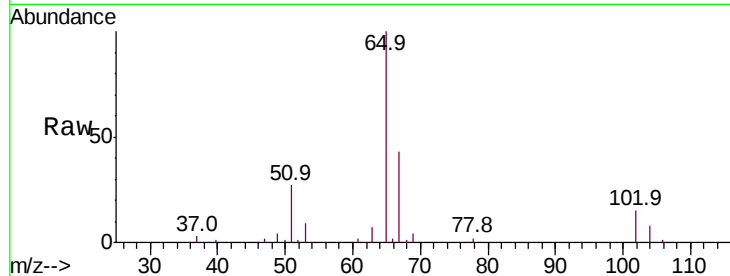
FK-SF-03-006-BRE

Tot Ion: 65 Resp: 202215

Ion Ratio Lower Upper

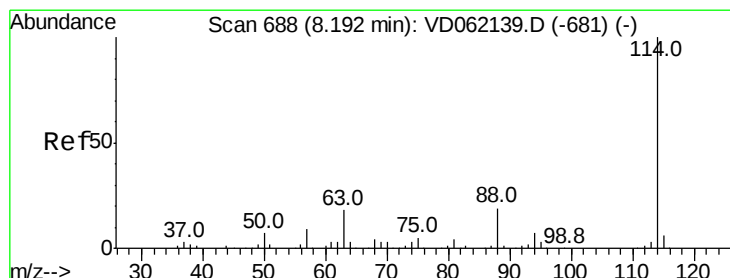
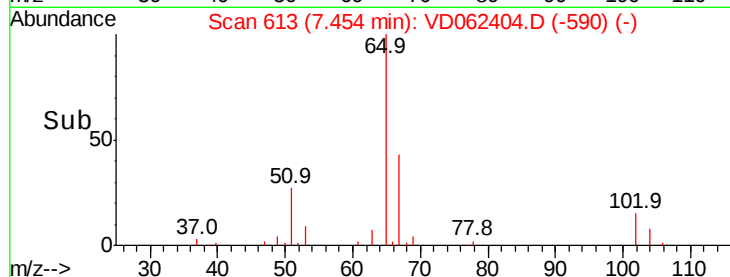
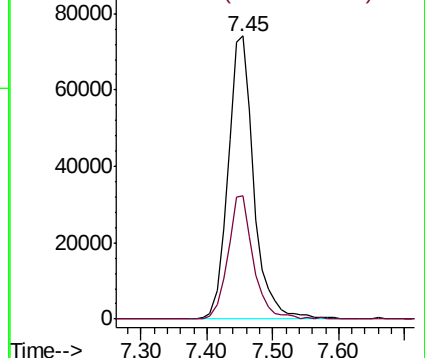
65 100

67 43.4 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# 690

Delta R.T. 0.02 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

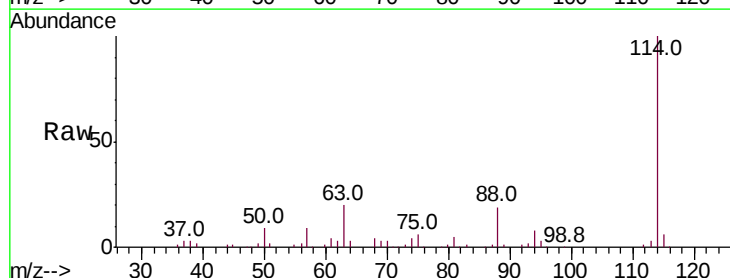
Tgt Ion: 114 Resp: 603665

Ion Ratio Lower Upper

114 100

63 20.3 0.0 32.4

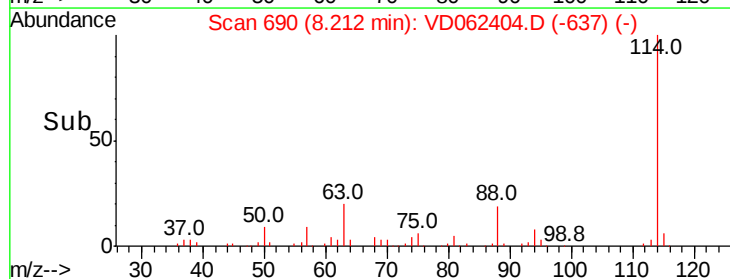
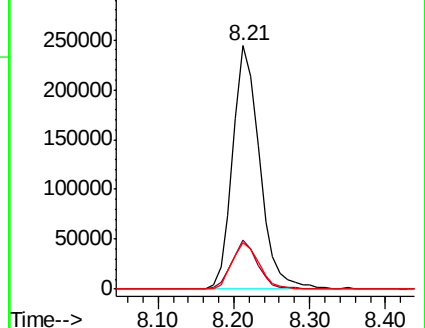
88 19.3 0.0 33.6

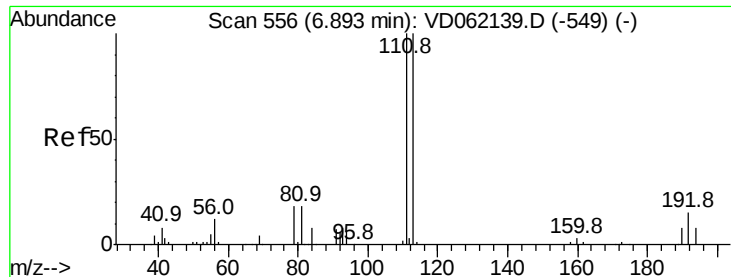


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 0.913 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-BRE

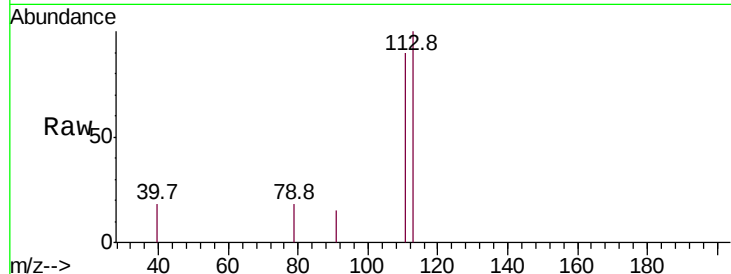
Tot Ion:113 Resp: 4574

Ion Ratio Lower Upper

113 100

111 90.3 78.5 117.7

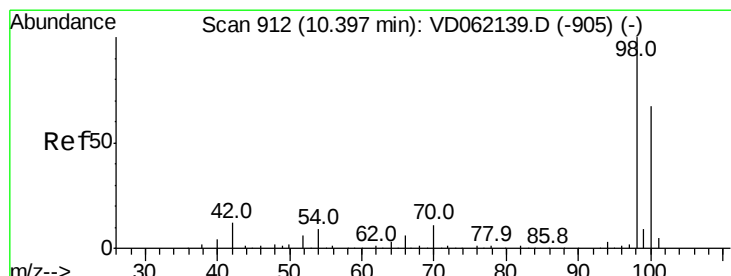
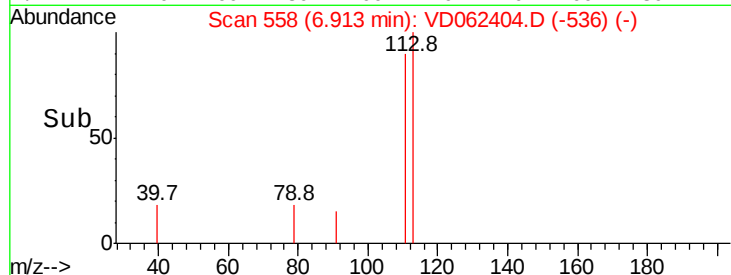
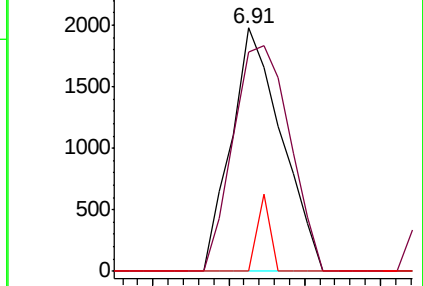
192 0.0 13.0 19.4#



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



#50

Toluene-d8

Concen: 28.423 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062404.D

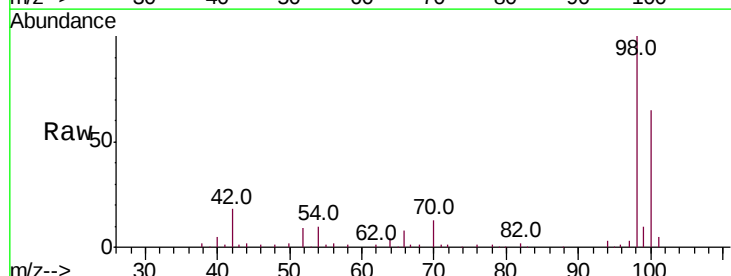
Acq: 15 May 2019 22:40

Tgt Ion: 98 Resp: 343247

Ion Ratio Lower Upper

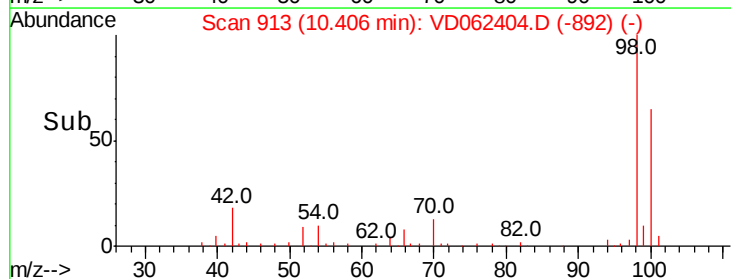
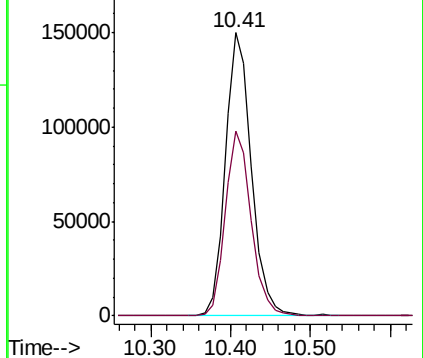
98 100

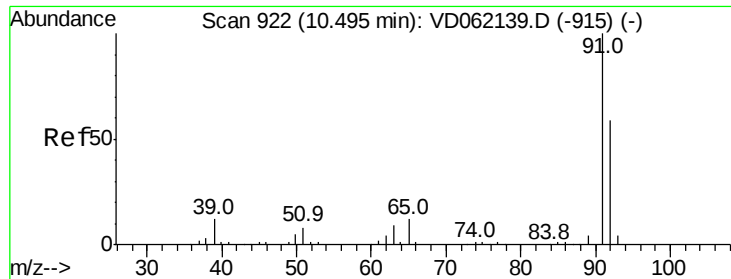
100 65.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.173 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

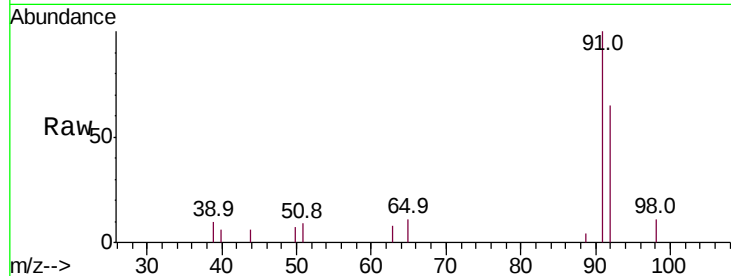
FK-SF-03-006-BRE

Tot Ion: 92 Resp: 8529

Ion Ratio Lower Upper

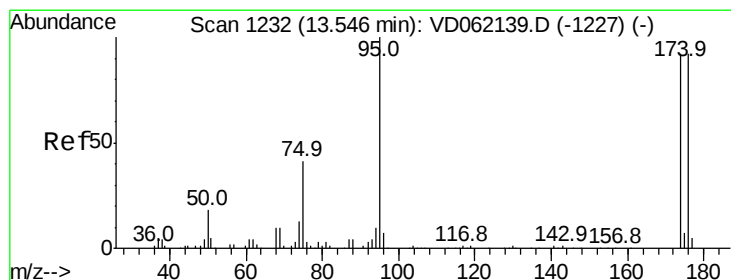
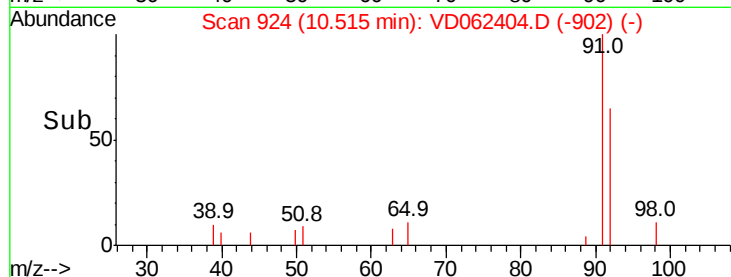
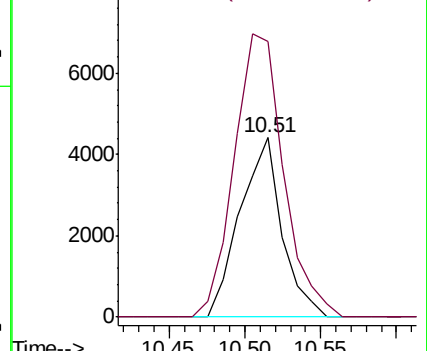
92 100

91 154.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 23.009 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

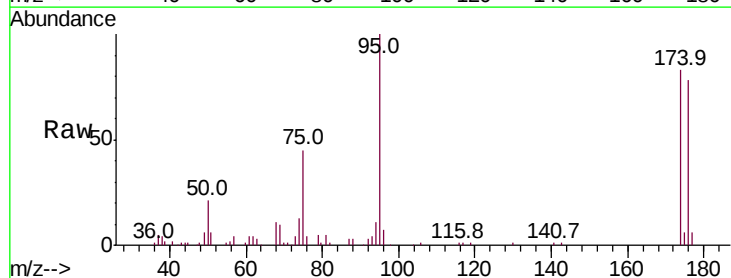
Tgt Ion: 95 Resp: 111579

Ion Ratio Lower Upper

95 100

174 83.2 0.0 181.8

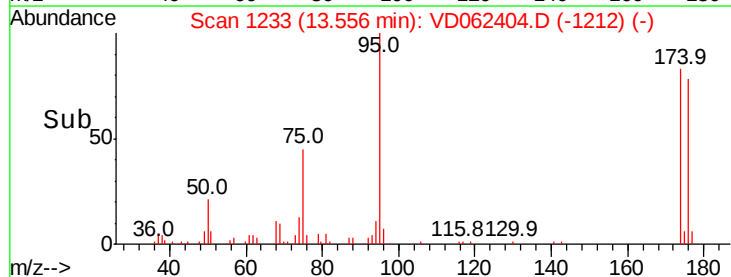
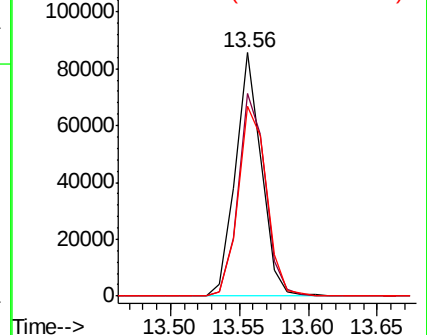
176 78.2 0.0 174.4

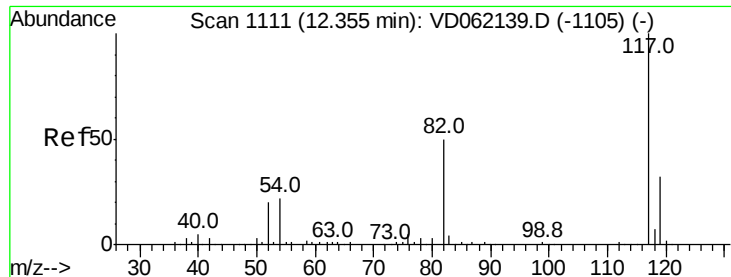


Abundance Ion 95.00 (94.70 to 95.70): VDC

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# 1112

Delta R.T. 0.01 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-BRE

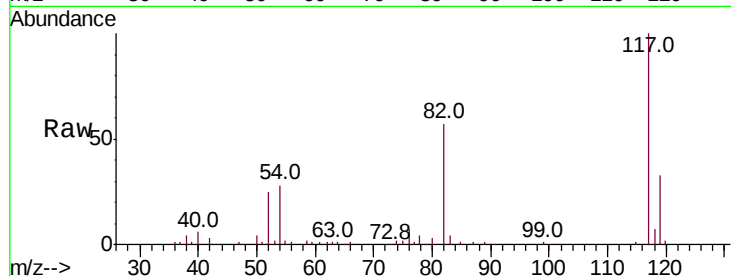
Tot Ion:117 Resp: 366597

Ion Ratio Lower Upper

117 100

82 56.8 36.2 54.2#

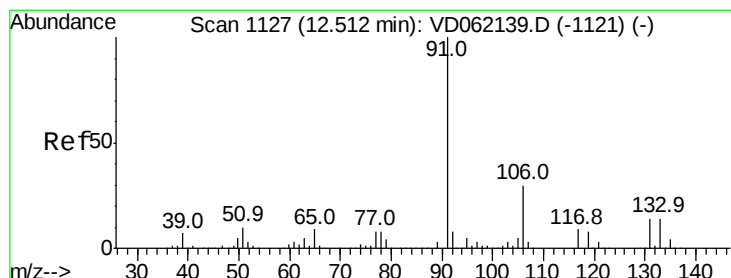
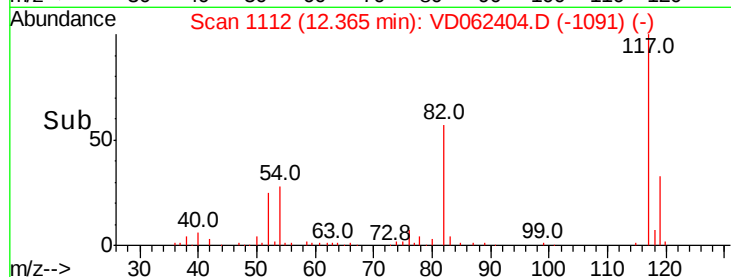
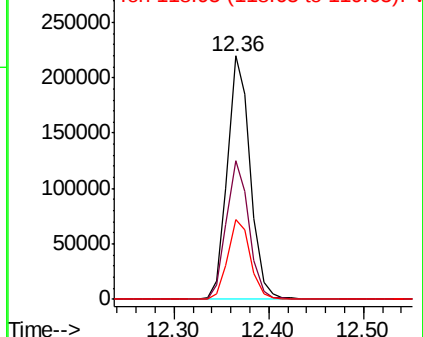
119 33.0 26.2 39.4



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: 1.097 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD062404.D

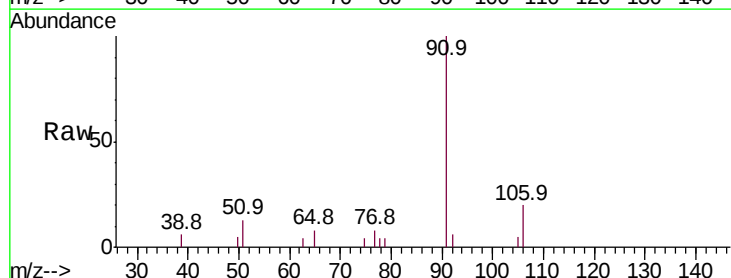
Acq: 15 May 2019 22:40

Tgt Ion: 91 Resp: 12537

Ion Ratio Lower Upper

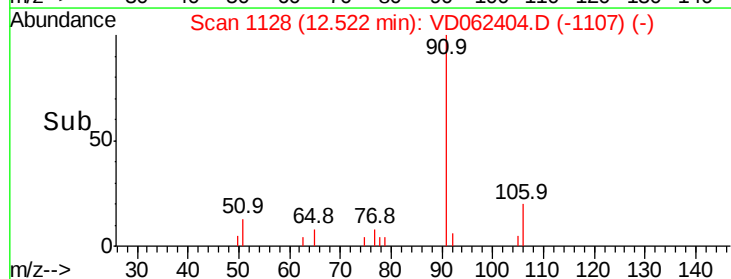
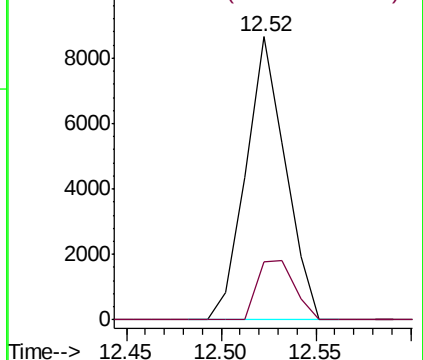
91 100

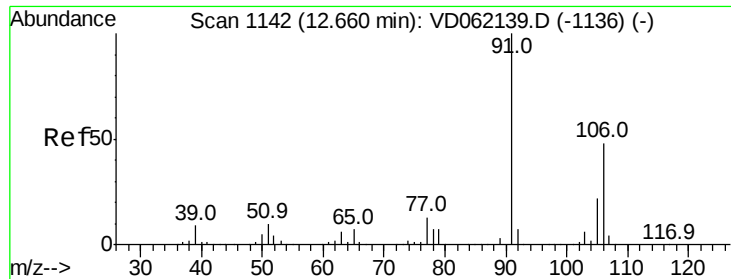
106 20.5 24.7 37.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

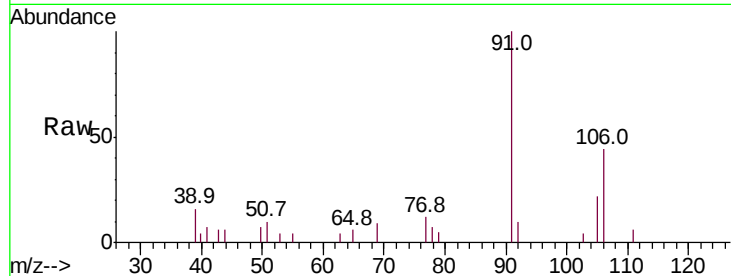




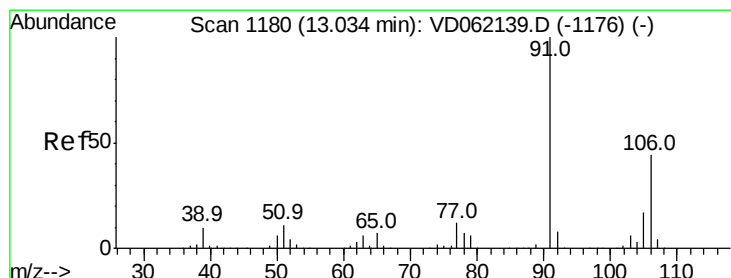
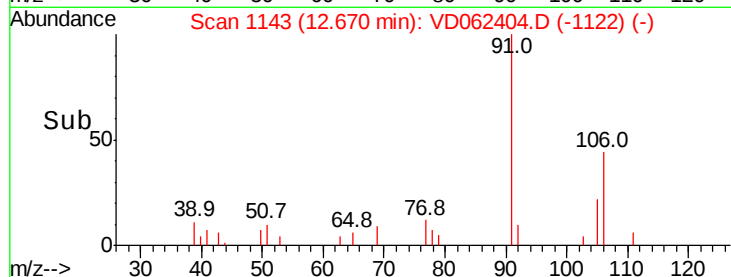
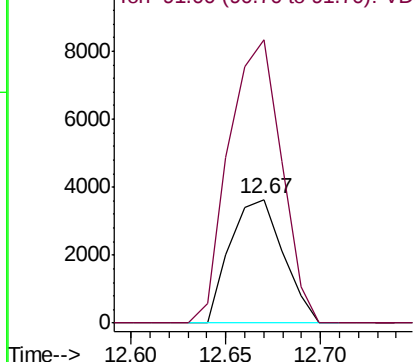
#68
m/p-Xylenes
Concen: 1.702 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062404.D
Acq: 15 May 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-006-BRE

Tot Ion:106 Resp: 7077
Ion Ratio Lower Upper
106 100
91 229.1 164.0 246.0

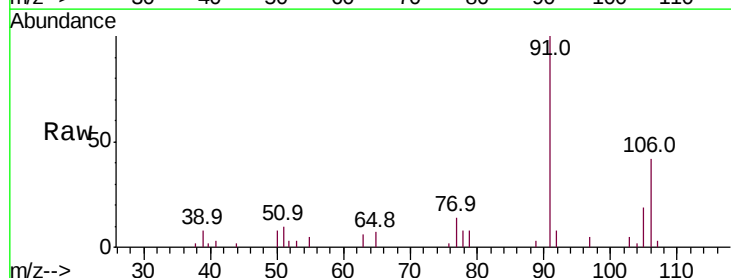


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

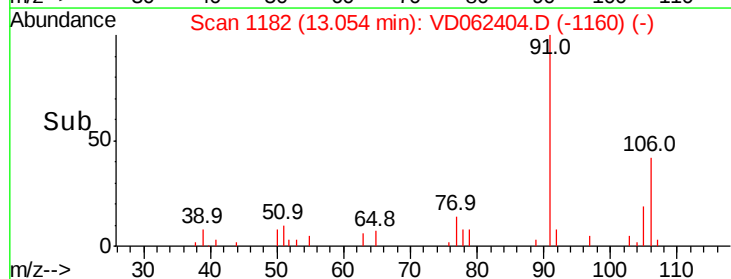
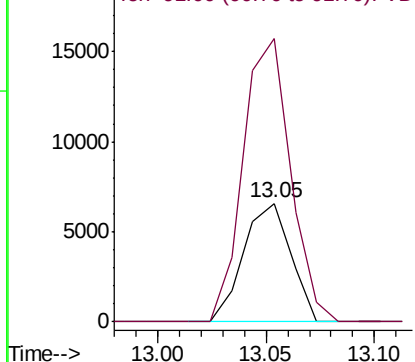


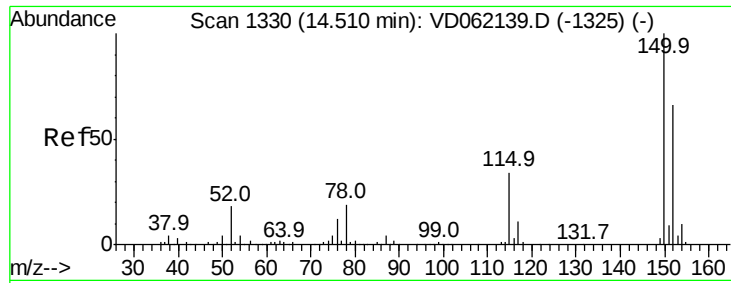
#69
o-Xylene
Concen: 2.571 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062404.D
Acq: 15 May 2019 22:40

Tgt Ion:106 Resp: 9940
Ion Ratio Lower Upper
106 100
91 239.0 106.7 319.9



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062404.D

Acq: 15 May 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-BRE

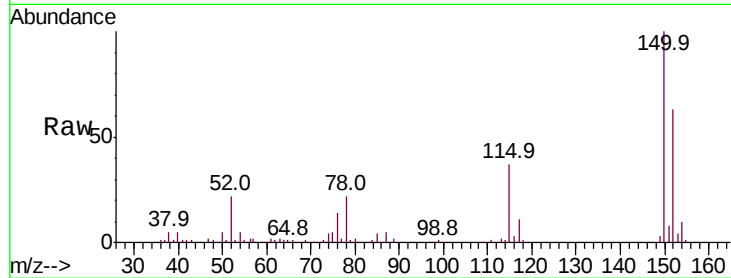
Tot Ion:152 Resp: 95616

Ion Ratio Lower Upper

152 100

115 57.6 30.9 92.7

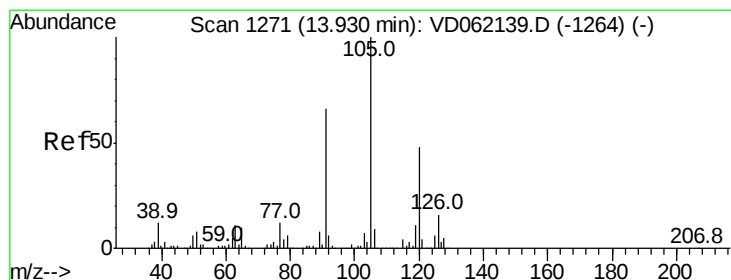
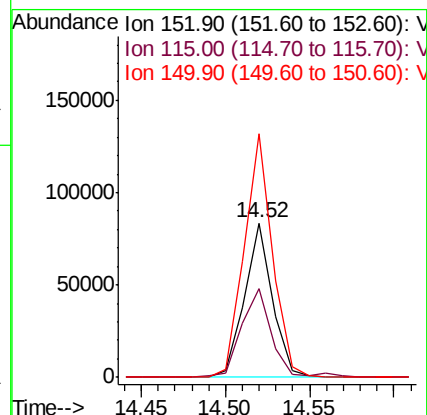
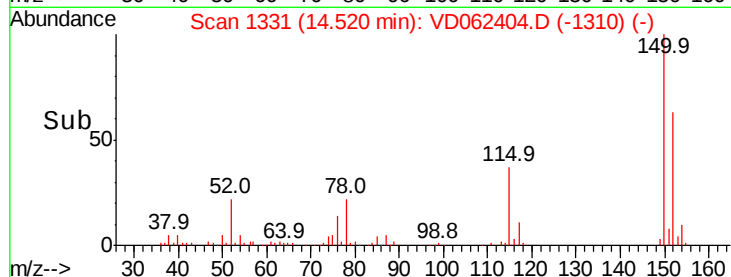
150 157.6 0.0 314.8



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



#80

1,3,5-Trimethylbenzene

Concen: 7.236 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062404.D

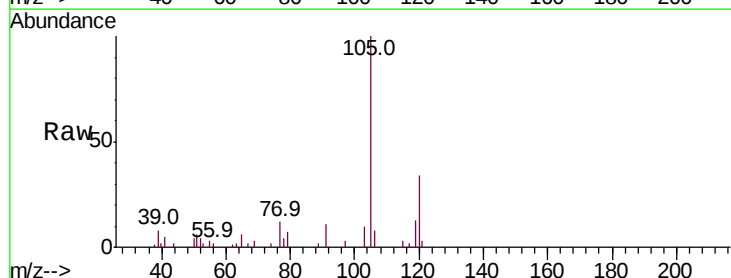
Acq: 15 May 2019 22:40

Tgt Ion:105 Resp: 34922

Ion Ratio Lower Upper

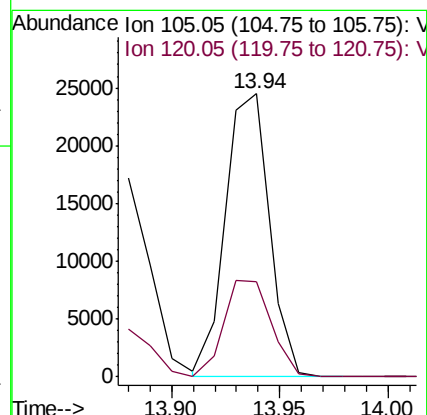
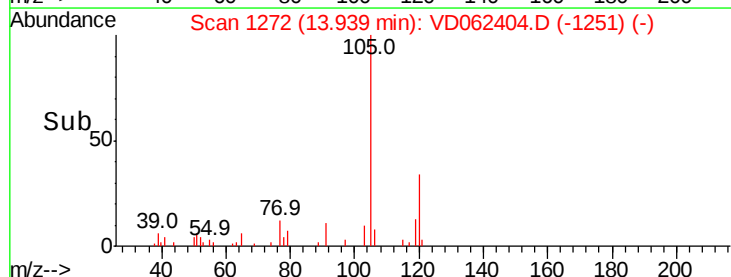
105 100

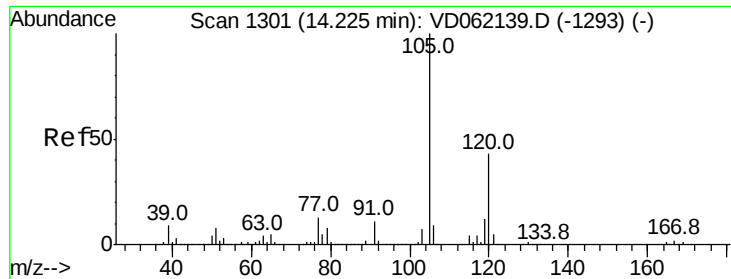
120 33.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

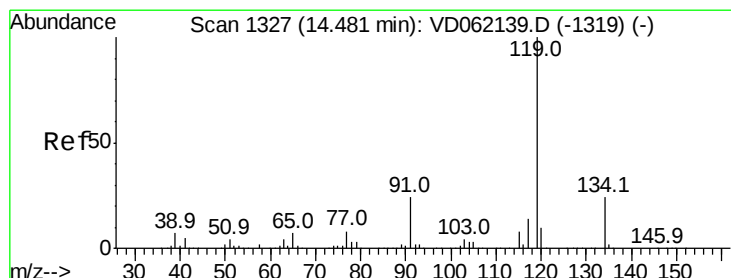
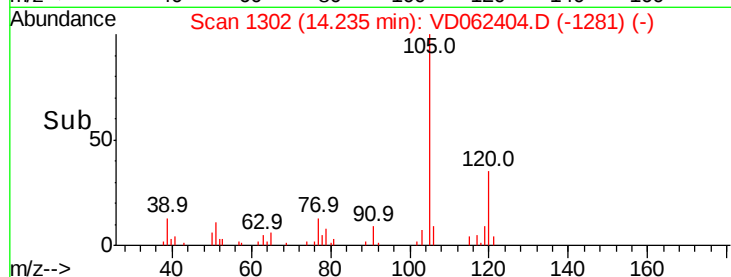
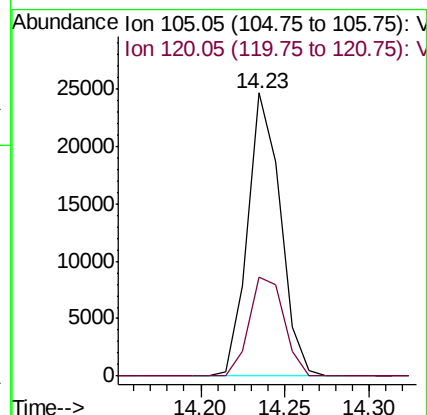
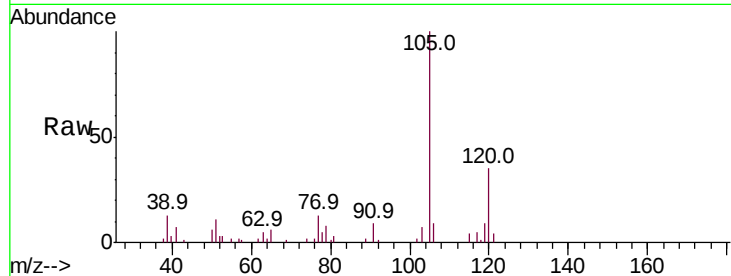




#84
 1,2,4-Trimethylbenzene
 Concen: 6.862 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062404.D
 Acq: 15 May 2019 22:40

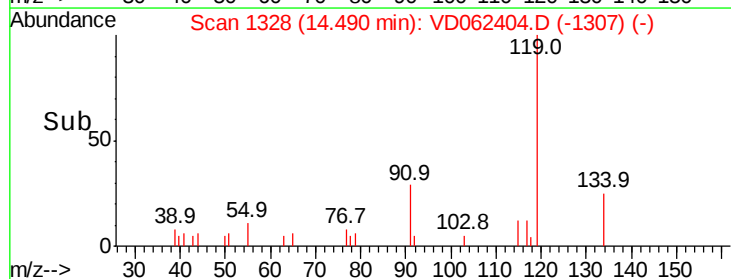
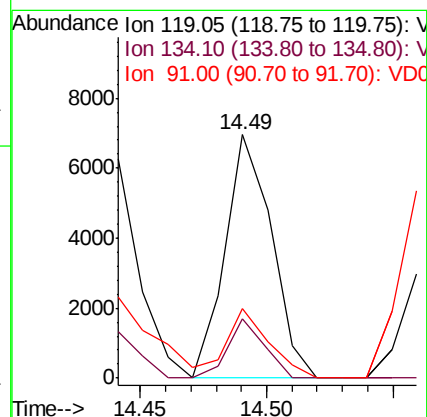
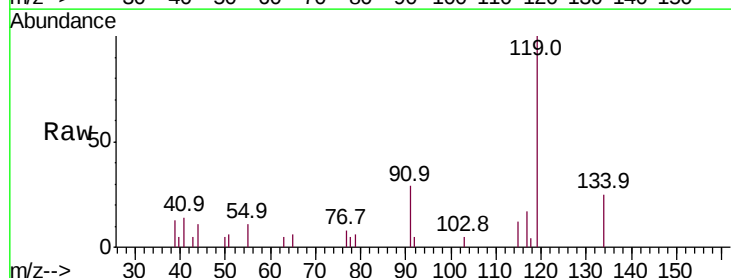
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-006-BRE

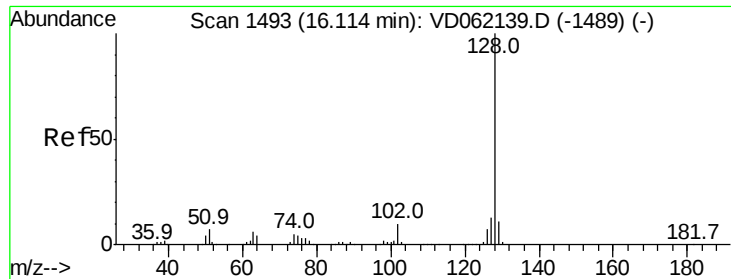
Tot Ion:105 Resp: 33236
 Ion Ratio Lower Upper
 105 100
 120 35.2 23.1 69.2



#86
 p-Isopropyltoluene
 Concen: 1.671 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062404.D
 Acq: 15 May 2019 22:40

Tgt Ion:119 Resp: 8881
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.8 38.3
 91 28.5 10.7 32.1





#95
 Naphthalene
 Concen: 1.098 ug/l
 RT: 16.12 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD062404.D
 Acq: 15 May 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-006-BRE

Tot Ion:128 Resp: 2693
 Ion Ratio Lower Upper
 128 100
 127 16.3 9.8 14.8#
 129 15.0 8.8 13.2#

