

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062389.D
 Acq On : 15 May 2019 15:42
 Operator : FY/SY
 Sample : K2761-04
 Misc : 5.21g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 16 04:14:27 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	7.06	168	623255	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	964994	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	580886	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	133545	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	304117	52.51	ug/l	0.04
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.05	113	988	0.12	ug/l	0.15
Spiked Amount			Recovery	=	0.24%	
50) Toluene-d8	10.42	98	561121	29.07	ug/l	0.03
Spiked Amount			Recovery	=	58.14%	
62) 4-Bromofluorobenzene	13.56	95	172950	22.31	ug/l	0.02
Spiked Amount			Recovery	=	44.62%	

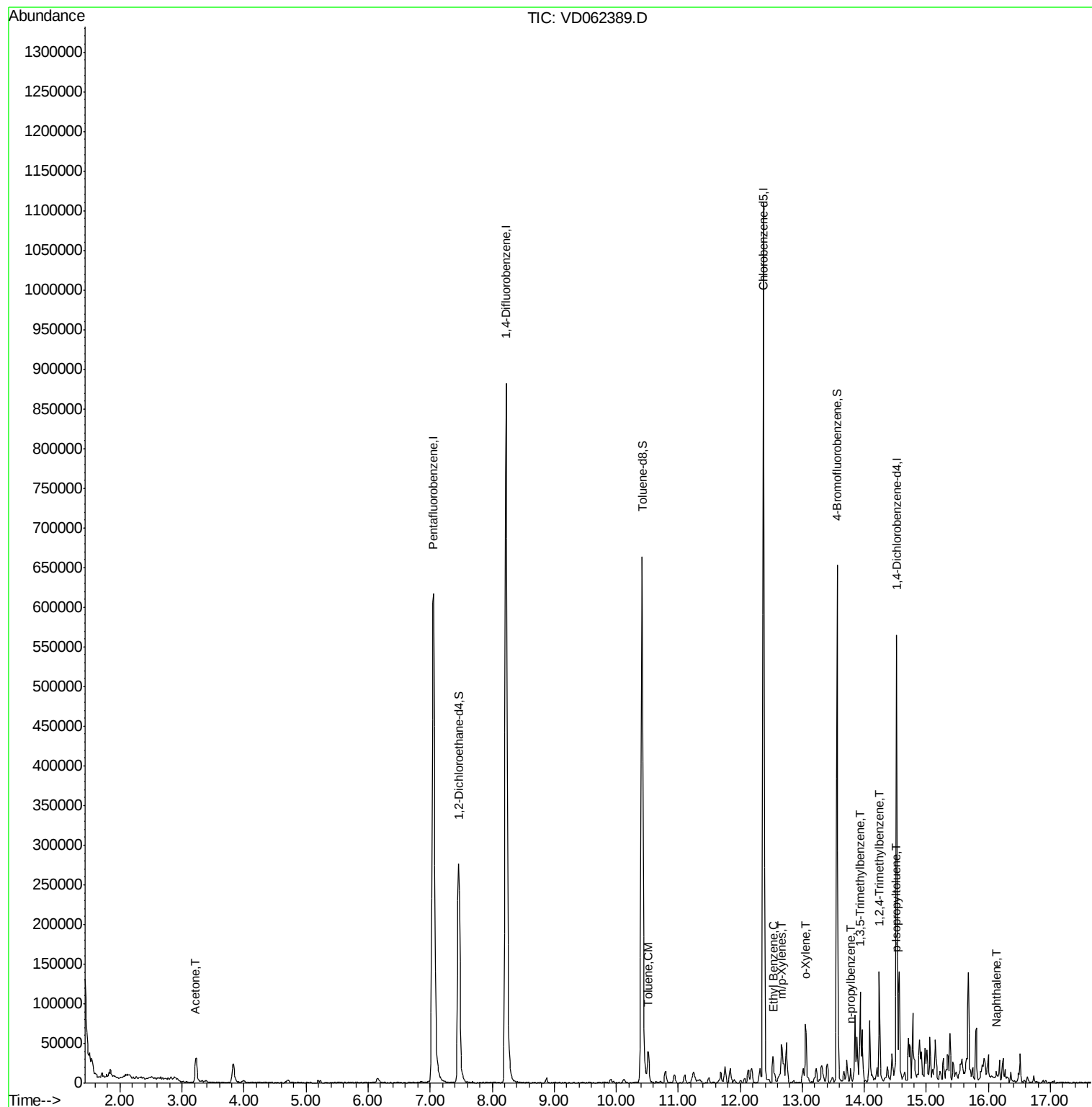
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	62347	51.330	ug/l #	79
52) Toluene	10.51	92	21475	1.847	ug/l	92
67) Ethyl Benzene	12.53	91	21113	1.166	ug/l	95
68) m/p-Xylenes	12.68	106	13235	2.008	ug/l	97
69) o-Xylene	13.05	106	15855	2.588	ug/l	87
78) n-propylbenzene	13.78	91	11083	1.161	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	45860	6.803	ug/l	86
84) 1,2,4-Trimethylbenzene	14.24	105	60605	8.959	ug/l	87
86) p-Isopropyltoluene	14.50	119	10346	1.394	ug/l	89
95) Naphthalene	16.13	128	6145	1.794	ug/l	95

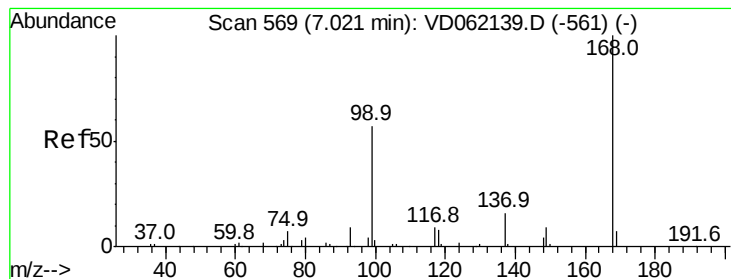
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051519\
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Acq On : 15 May 2019 15:42
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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: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

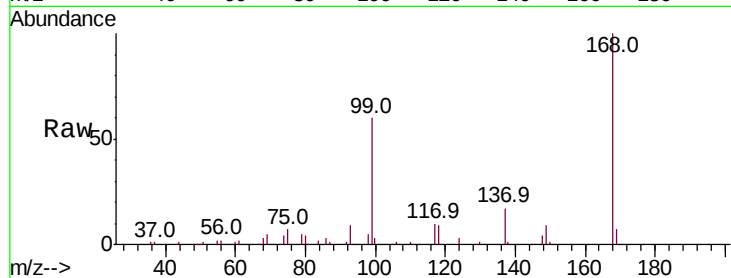
FK-SF-03-006-B

Tot Ion:168 Resp: 623255

Ion Ratio Lower Upper

168 100

99 59.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

250000

200000

150000

100000

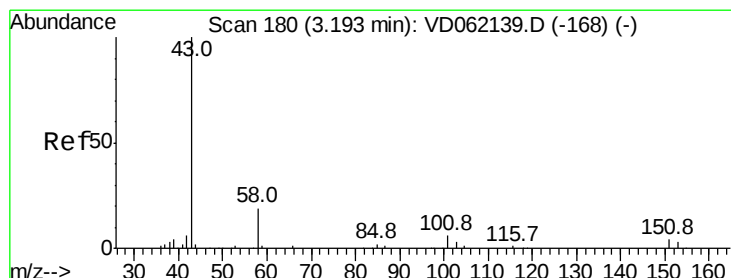
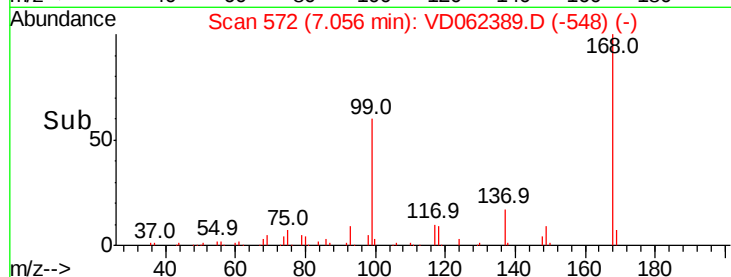
50000

0

7.06

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 51.330 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD062389.D

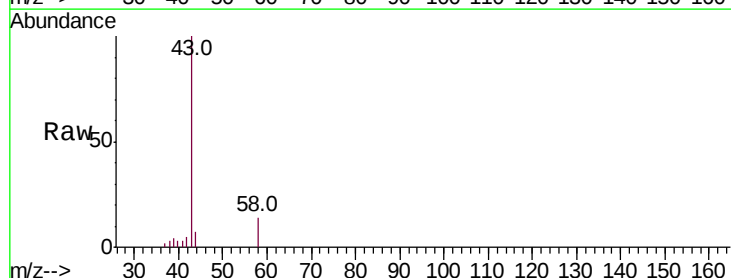
Acq: 15 May 2019 15:42

Tgt Ion: 43 Resp: 62347

Ion Ratio Lower Upper

43 100

58 14.2 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

25000

20000

15000

10000

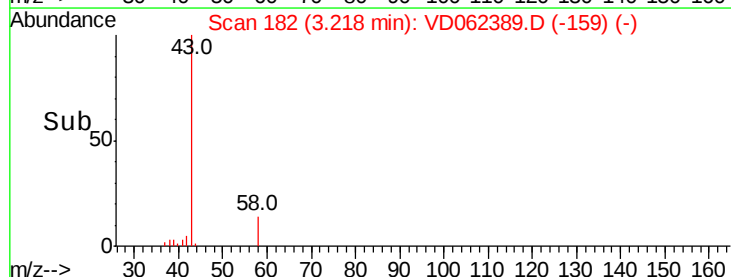
5000

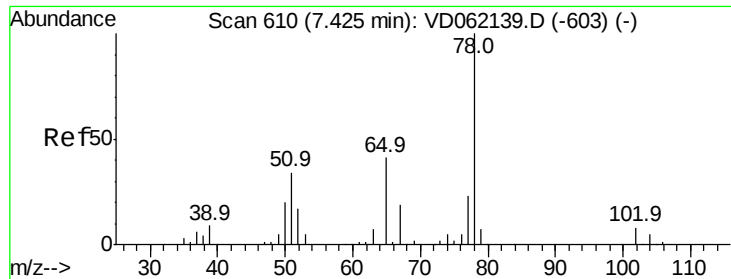
0

3.22

3.10 3.20 3.30 3.40

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.506 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.04 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

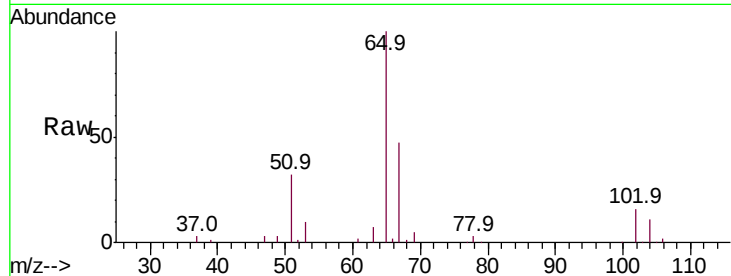
FK-SF-03-006-B

Tot Ion: 65 Resp: 304117

Ion Ratio Lower Upper

65 100

67 46.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

120000

100000

80000

60000

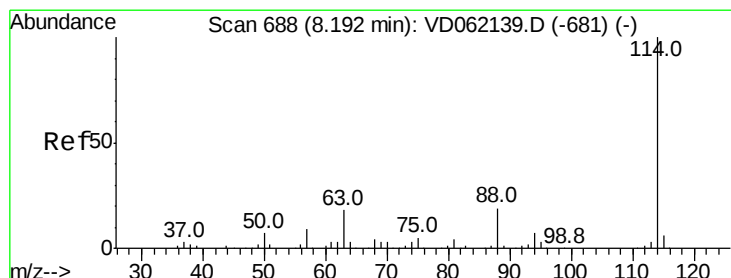
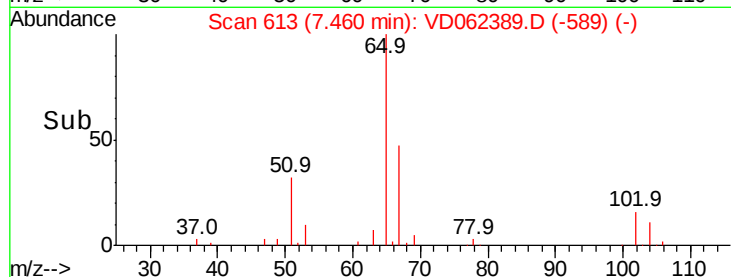
40000

20000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

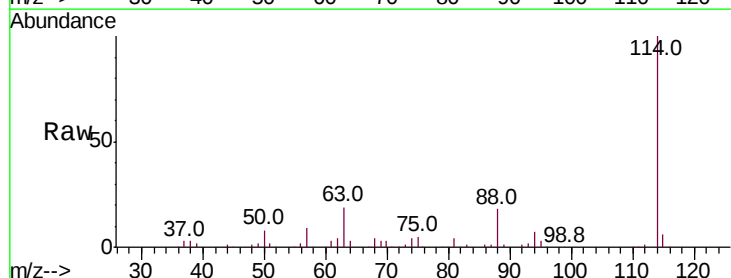
Tgt Ion: 114 Resp: 964994

Ion Ratio Lower Upper

114 100

63 18.9 0.0 32.4

88 18.2 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

300000

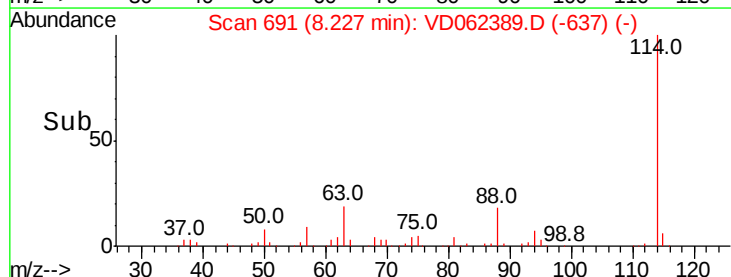
200000

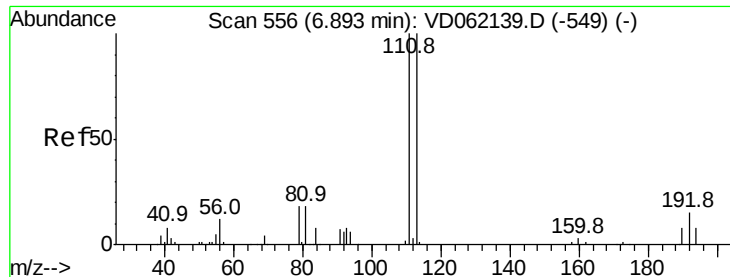
100000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 0.123 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.15 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-B

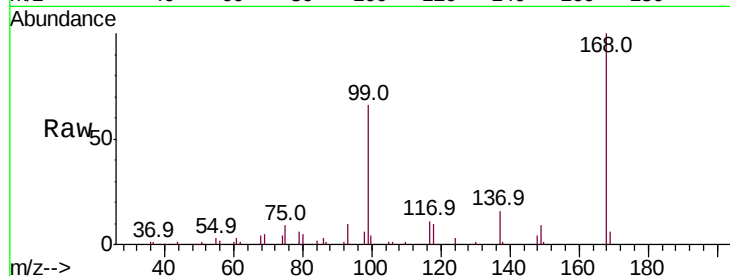
Tot Ion:113 Resp: 988

Ion Ratio Lower Upper

113 100

111 0.0 78.5 117.7#

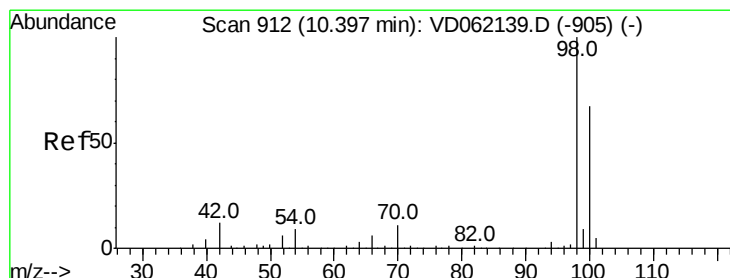
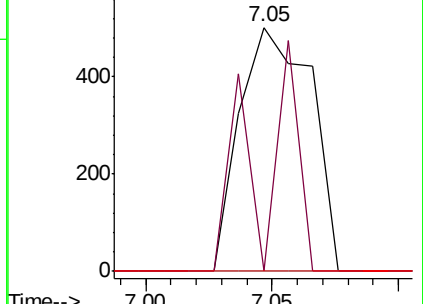
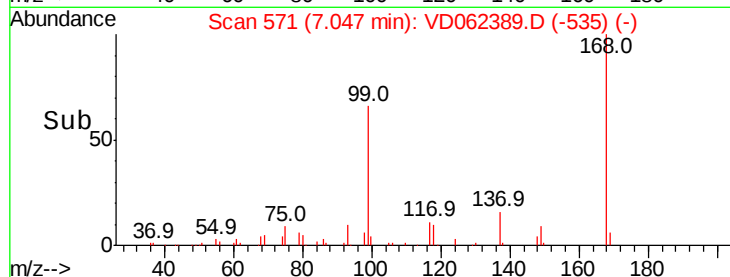
192 0.0 13.0 19.4#



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: 29.067 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD062389.D

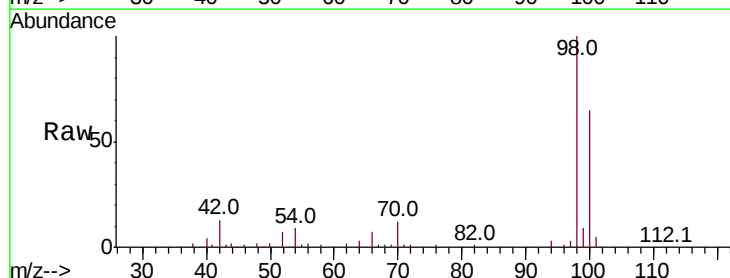
Acq: 15 May 2019 15:42

Tgt Ion: 98 Resp: 561121

Ion Ratio Lower Upper

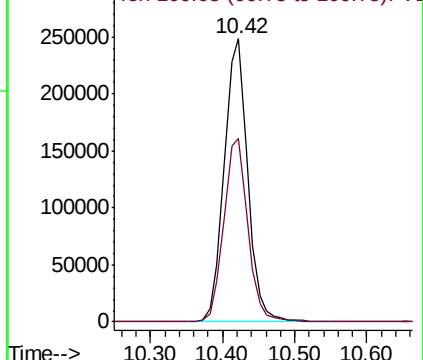
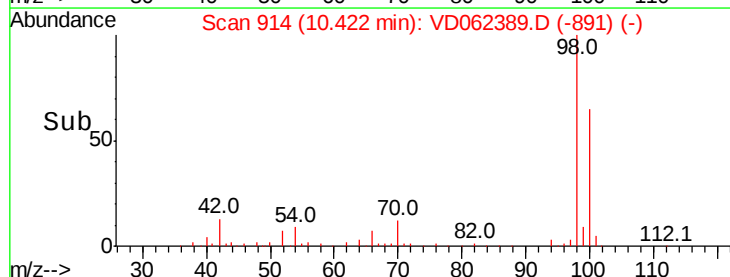
98 100

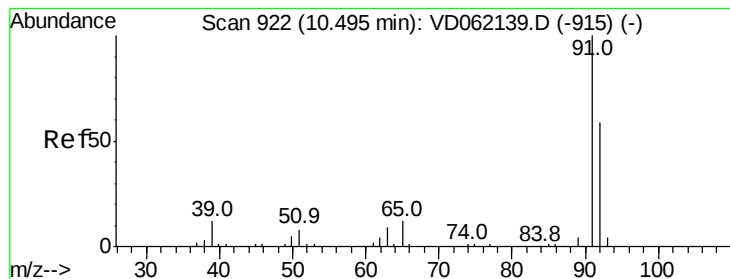
100 65.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.847 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

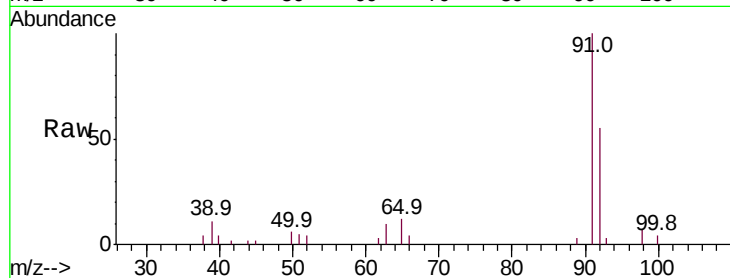
FK-SF-03-006-B

Tot Ion: 92 Resp: 21475

Ion Ratio Lower Upper

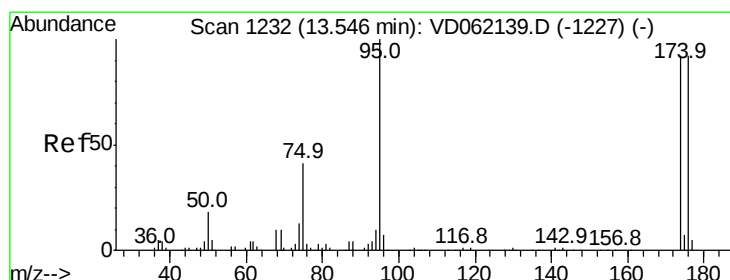
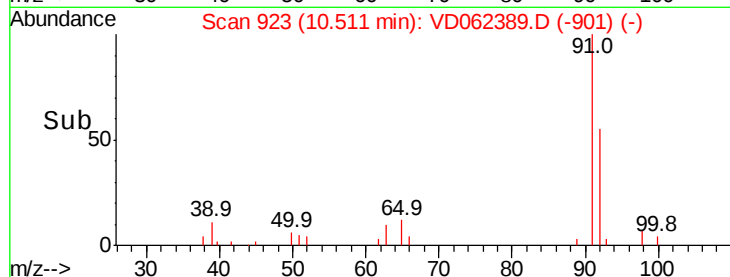
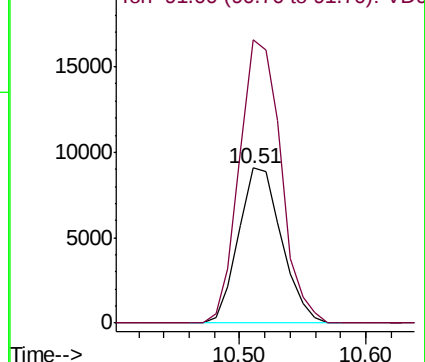
92 100

91 182.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 22.310 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

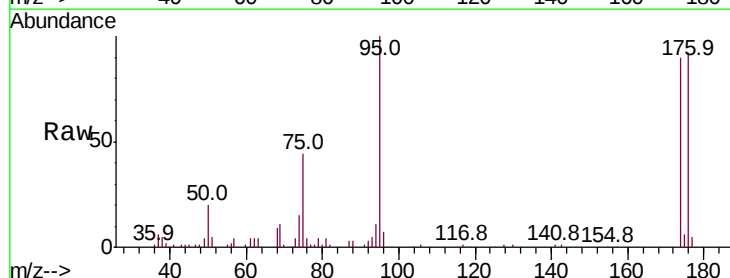
Tgt Ion: 95 Resp: 172950

Ion Ratio Lower Upper

95 100

174 89.6 0.0 181.8

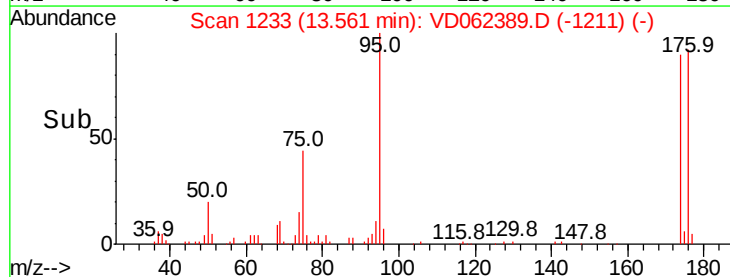
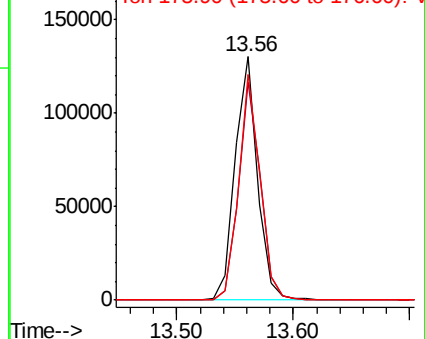
176 92.5 0.0 174.4

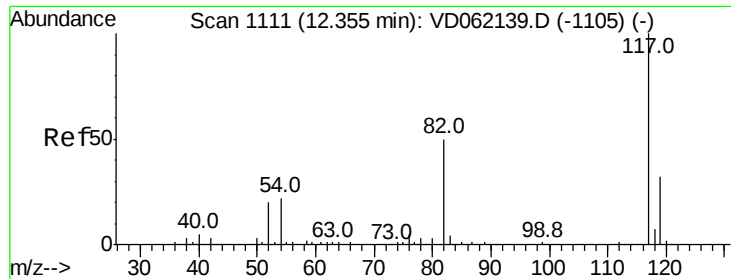


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

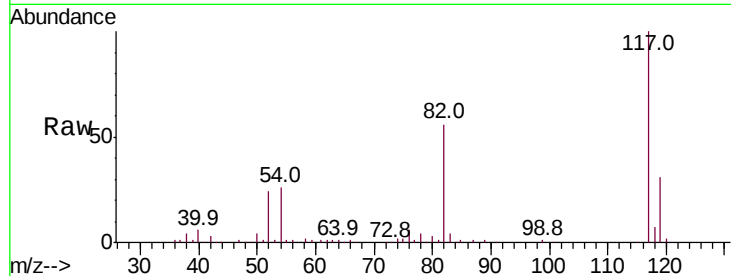




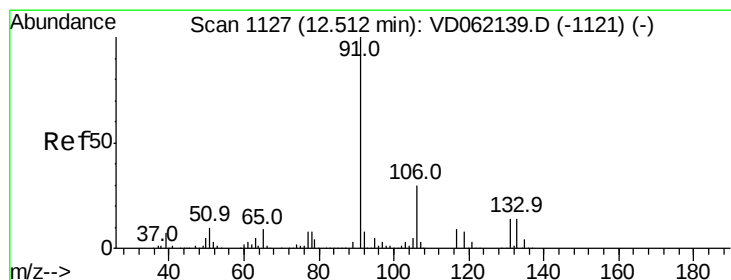
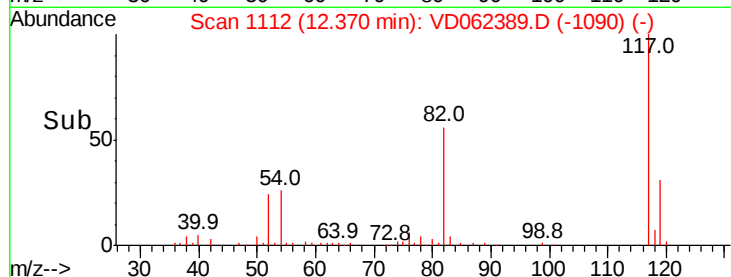
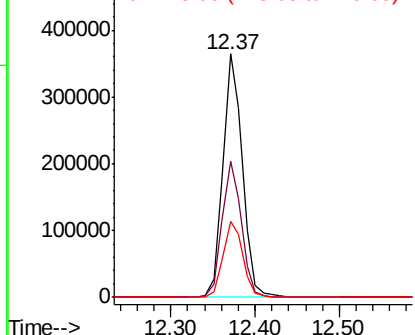
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062389.D
Acq: 15 May 2019 15:42

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

Tot Ion:117 Resp: 580886
Ion Ratio Lower Upper
117 100
82 55.7 36.2 54.2#
119 31.2 26.2 39.4

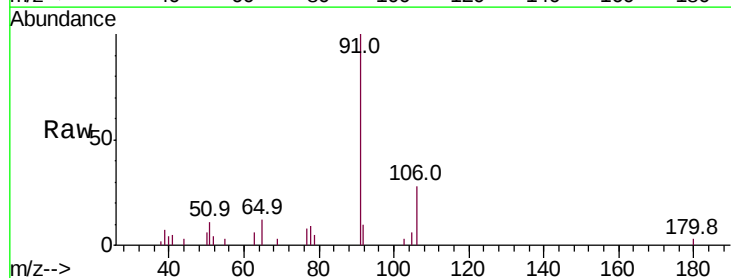


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

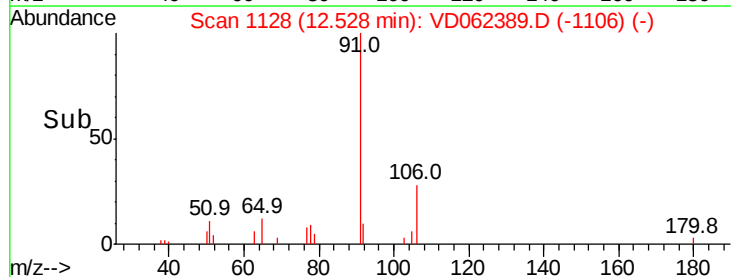
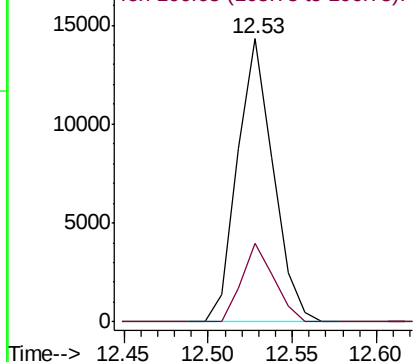


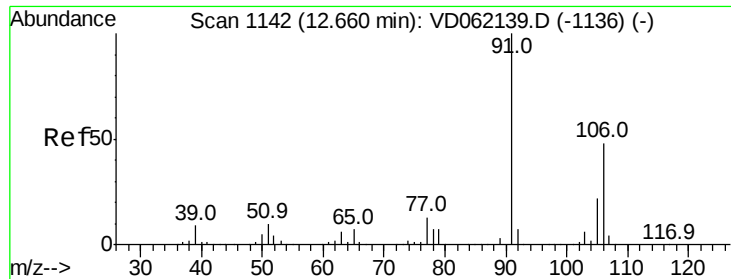
#67
Ethyl Benzene
Concen: 1.166 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062389.D
Acq: 15 May 2019 15:42

Tgt Ion: 91 Resp: 21113
Ion Ratio Lower Upper
91 100
106 27.9 24.7 37.1



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

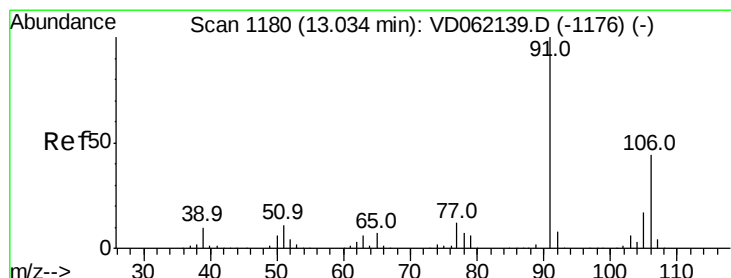
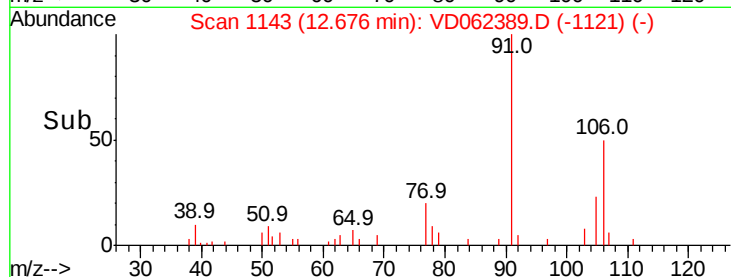
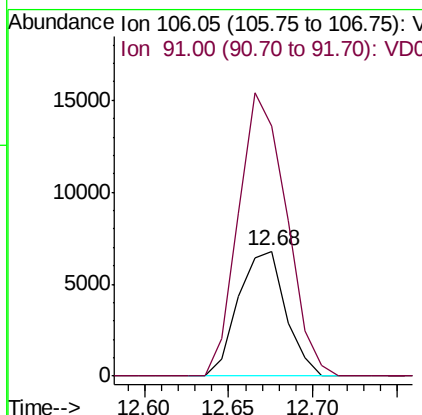
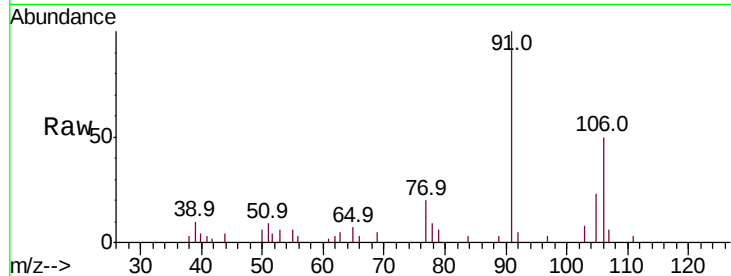




#68
m/p-Xylenes
Concen: 2.008 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062389.D
Acq: 15 May 2019 15:42

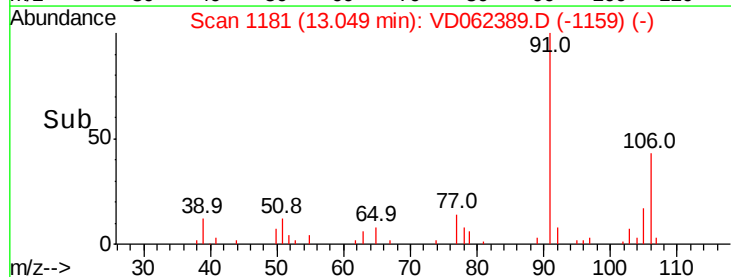
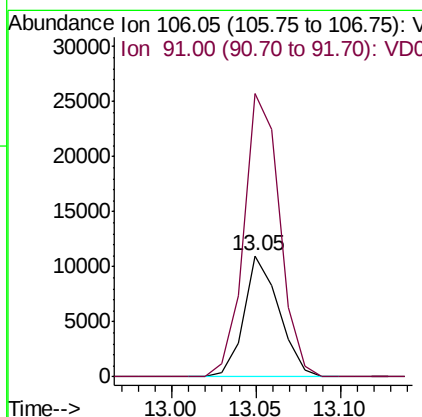
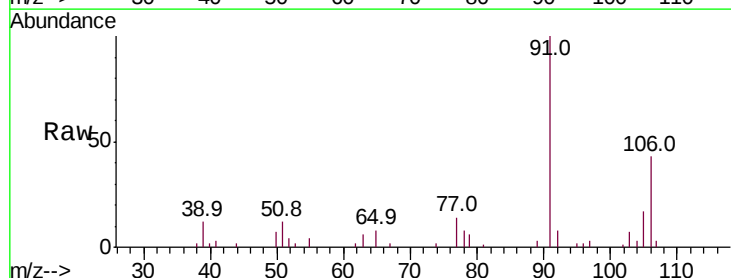
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-006-B

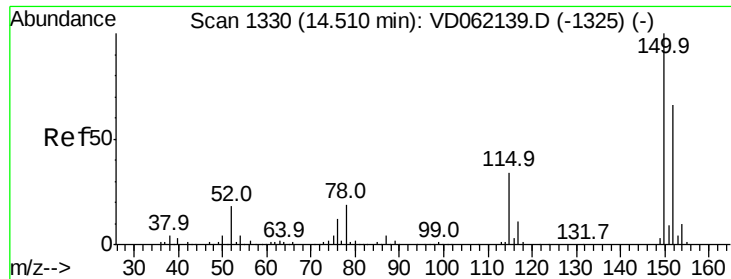
Tot Ion:106 Resp: 13235
Ion Ratio Lower Upper
106 100
91 199.7 164.0 246.0



#69
o-Xylene
Concen: 2.588 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD062389.D
Acq: 15 May 2019 15:42

Tgt Ion:106 Resp: 15855
Ion Ratio Lower Upper
106 100
91 233.6 106.7 319.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-B

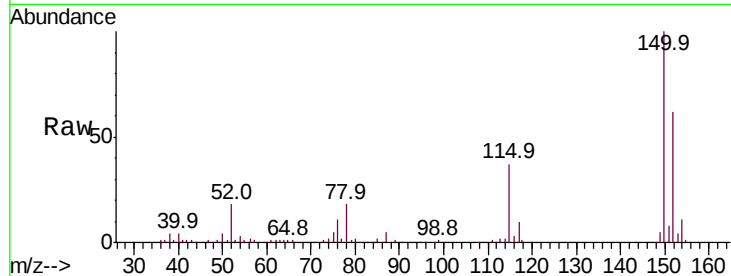
Tot Ion:152 Resp: 133545

Ion Ratio Lower Upper

152 100

115 58.6 30.9 92.7

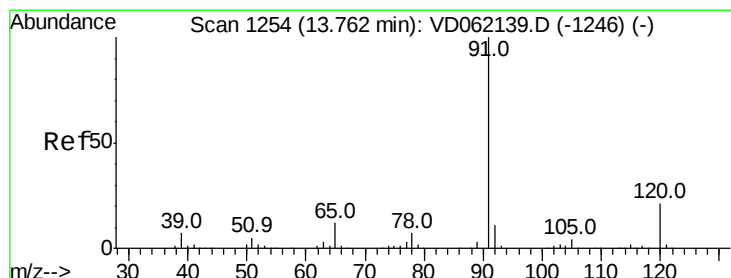
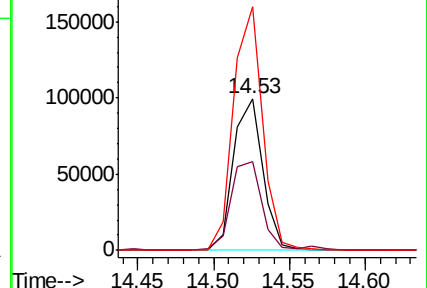
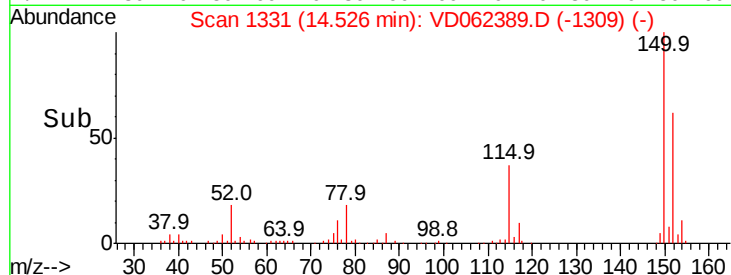
150 160.6 0.0 314.8



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



#78

n-propylbenzene

Concen: 1.161 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062389.D

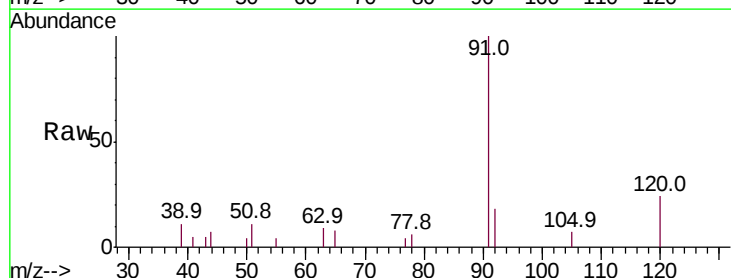
Acq: 15 May 2019 15:42

Tgt Ion: 91 Resp: 11083

Ion Ratio Lower Upper

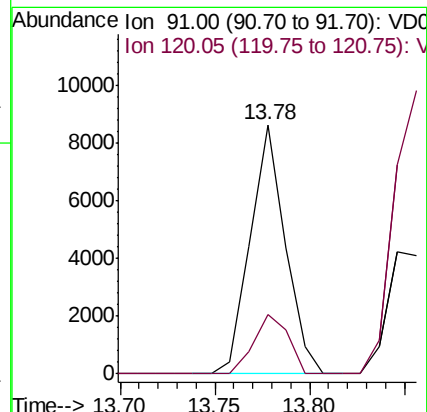
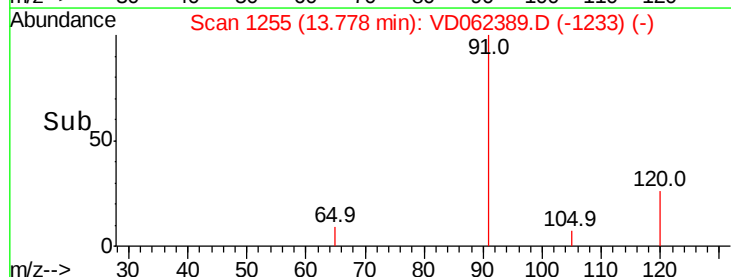
91 100

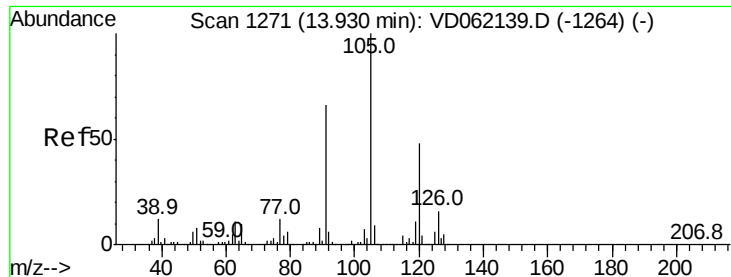
120 23.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

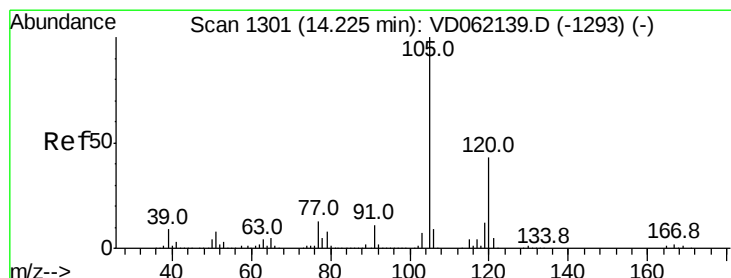
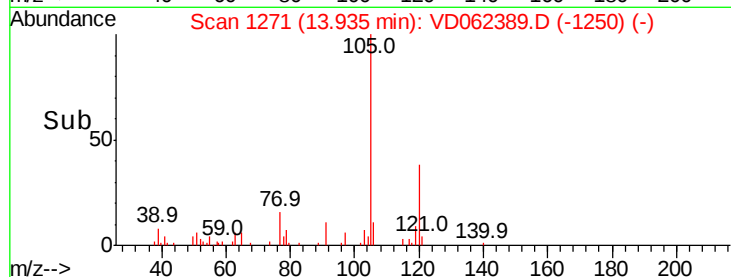
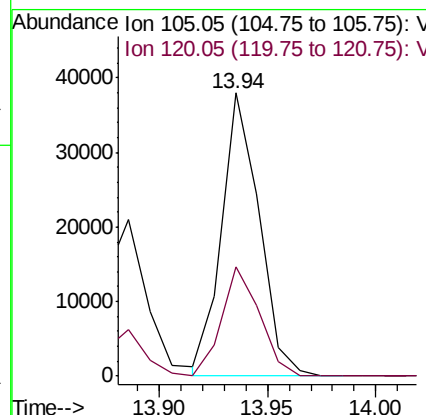
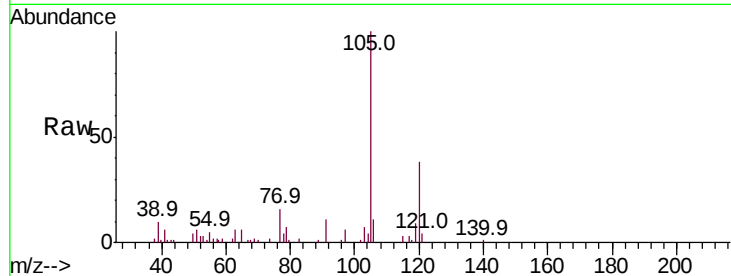




#80
 1,3,5-Trimethylbenzene
 Concen: 6.803 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD062389.D
 Acq: 15 May 2019 15:42

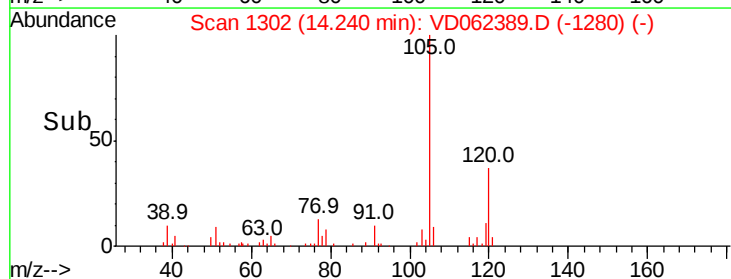
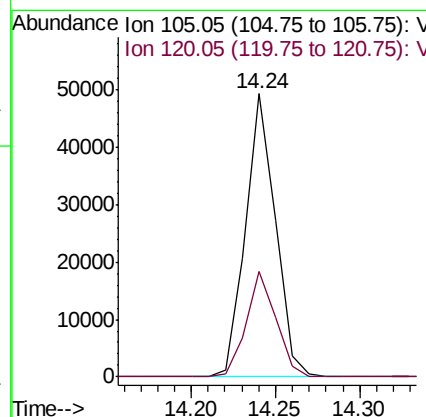
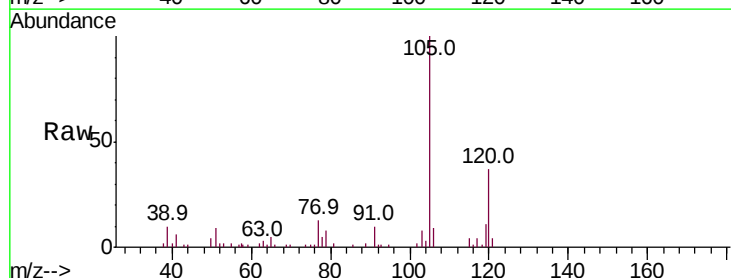
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-006-B

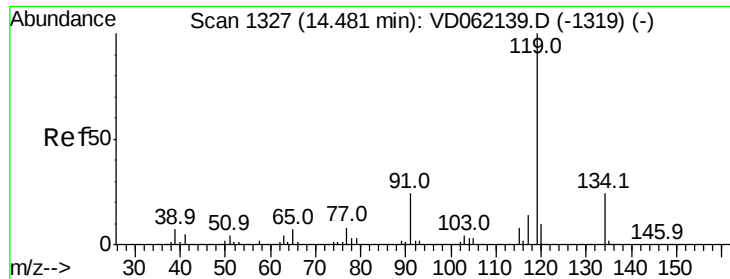
Tot Ion:105 Resp: 45860
 Ion Ratio Lower Upper
 105 100
 120 38.5 24.0 72.0



#84
 1,2,4-Trimethylbenzene
 Concen: 8.959 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD062389.D
 Acq: 15 May 2019 15:42

Tgt Ion:105 Resp: 60605
 Ion Ratio Lower Upper
 105 100
 120 37.4 23.1 69.2





#86

p-Isopropyltoluene

Concen: 1.394 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-B

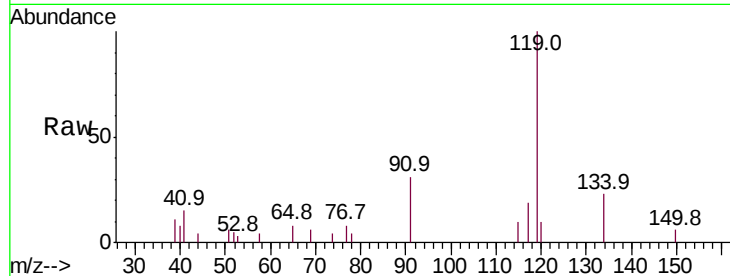
Tot Ion:119 Resp: 10346

Ion Ratio Lower Upper

119 100

134 23.4 12.8 38.3

91 30.7 10.7 32.1

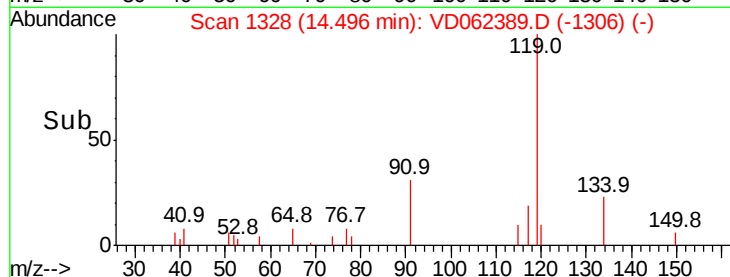


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

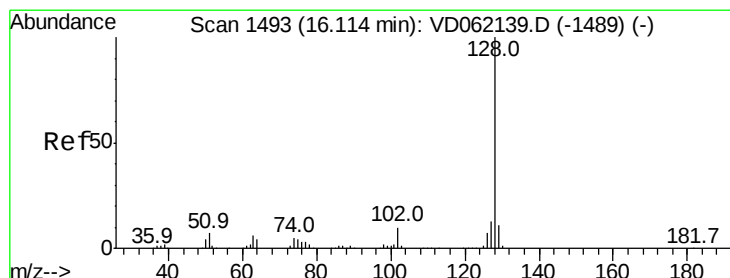
Ion 91.00 (90.70 to 91.70): V

Time-->



14.50

Time-->



#95

Naphthalene

Concen: 1.794 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD062389.D

Acq: 15 May 2019 15:42

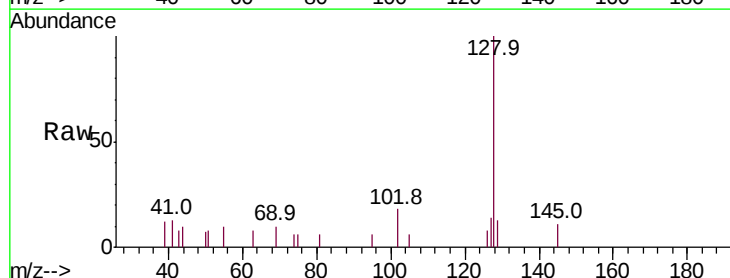
Tgt Ion:128 Resp: 6145

Ion Ratio Lower Upper

128 100

127 14.3 9.8 14.8

129 12.6 8.8 13.2

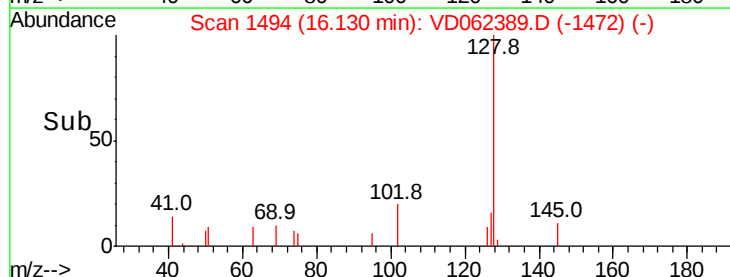


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->



16.13

Time-->