

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061980.D
 Acq On : 23 Apr 2019 20:08
 Operator : VA/AP
 Sample : K2539-04
 Misc : 4.48g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Apr 24 03:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	363836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	761841	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	513326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	164525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	188733	66.28	ug/l	0.00
Spiked Amount			Recovery	=	132.56%	
35) Dibromofluoromethane	7.04	113	188	0.04	ug/l	0.11
Spiked Amount			Recovery	=	0.08%	
50) Toluene-d8	10.42	98	576171	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
62) 4-Bromofluorobenzene	13.56	95	179397	35.68	ug/l	0.00
Spiked Amount			Recovery	=	71.36%	

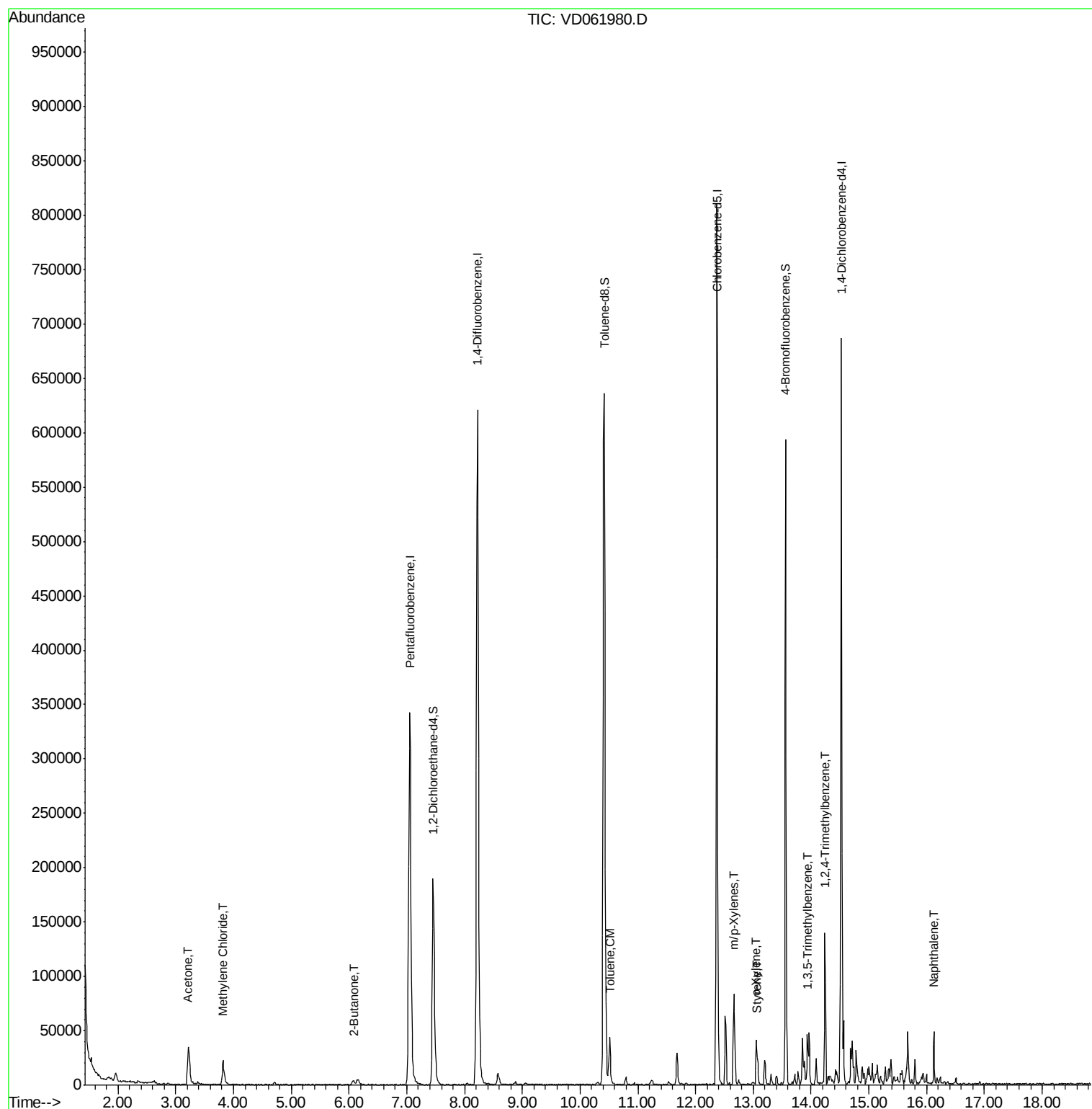
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	68645	100.961	ug/l	98
20) Methylene Chloride	3.82	84	15932	1.735	ug/l	92
25) 2-Butanone	6.08	43	9428	11.437	ug/l	96
52) Toluene	10.52	92	23351	2.492	ug/l	97
68) m/p-Xylenes	12.66	106	27749	4.849	ug/l	90
69) o-Xylene	13.05	106	11097	2.120	ug/l	97
70) Styrene	13.08	104	9840	1.088	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	21126	2.414	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	64184	7.681	ug/l	93
95) Naphthalene	16.13	128	35101	8.859	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061980.D

Acq: 23 Apr 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

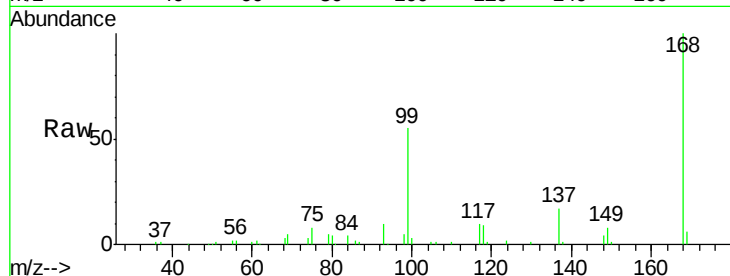
FK-SF-03-006-B

Tot Ion:168 Resp: 363836

Ion Ratio Lower Upper

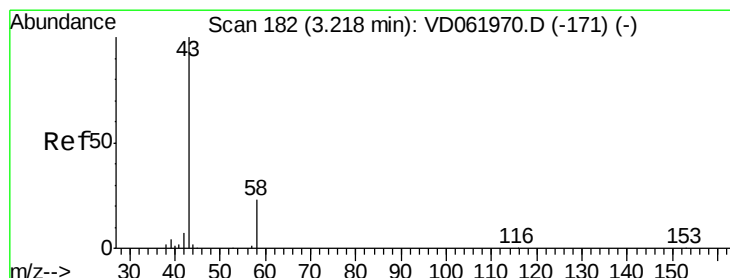
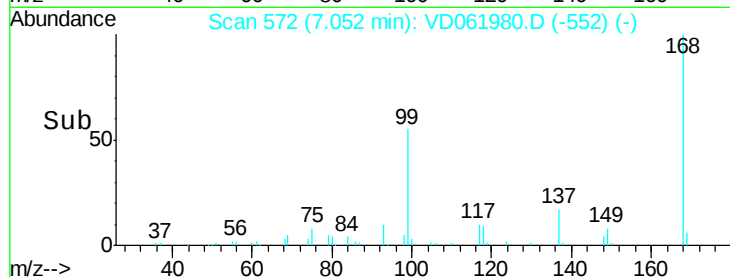
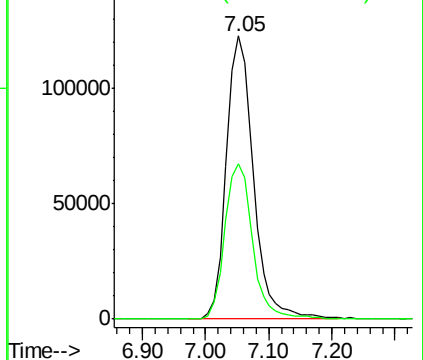
168 100

99 55.1 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: 100.961 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061980.D

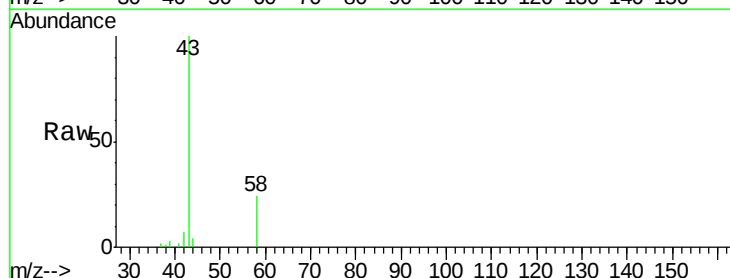
Acq: 23 Apr 2019 20:08

Tgt Ion: 43 Resp: 68645

Ion Ratio Lower Upper

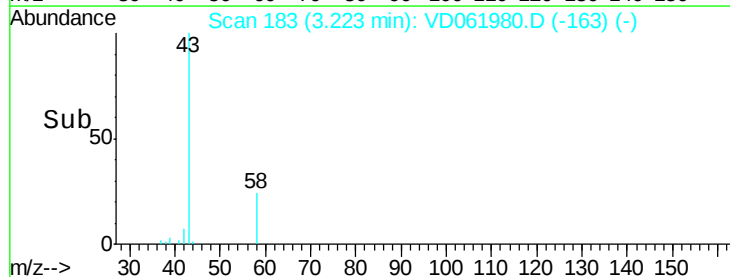
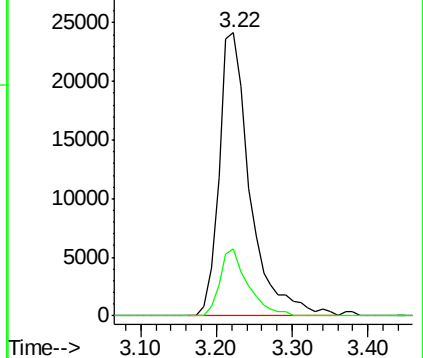
43 100

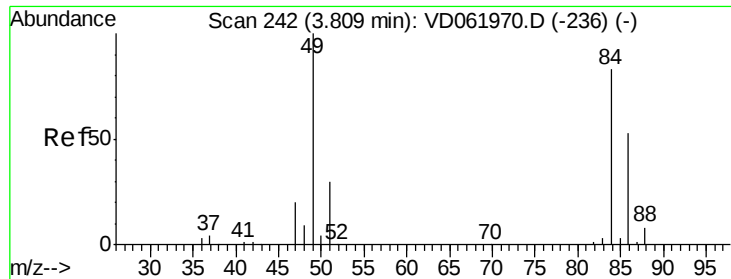
58 23.7 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



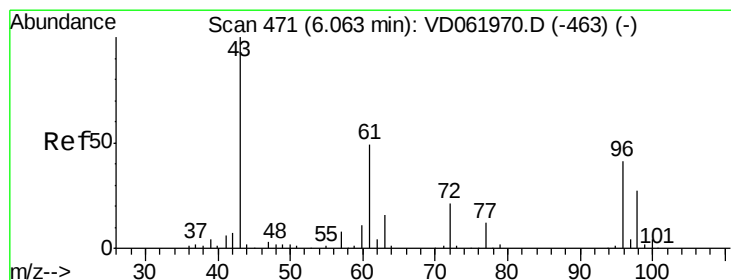
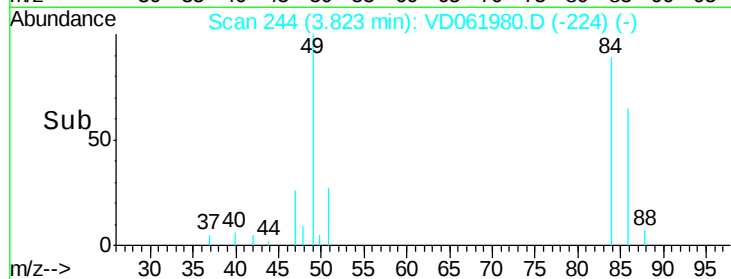
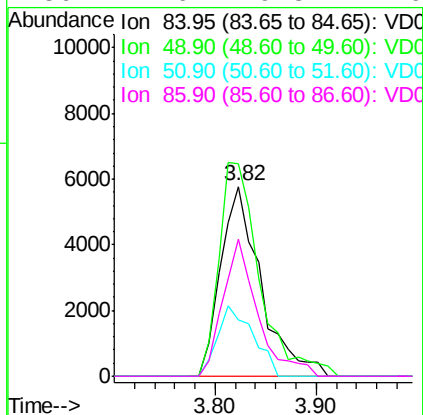
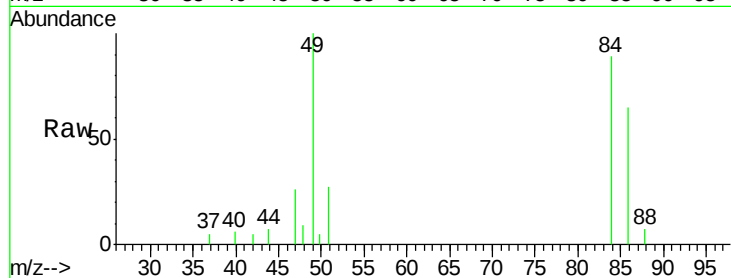


#20
Methvlene Chloride
Concen: 1.735 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061980.D
Acq: 23 Apr 2019 20:08

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

Tot Ion: 84 Resp: 15932

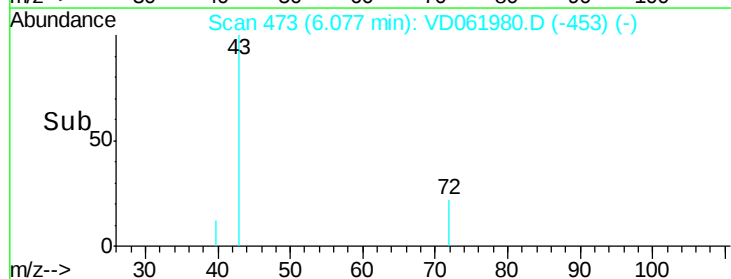
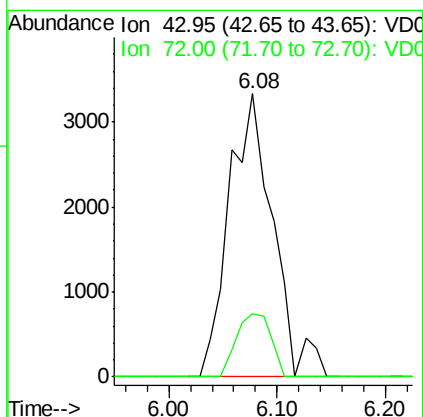
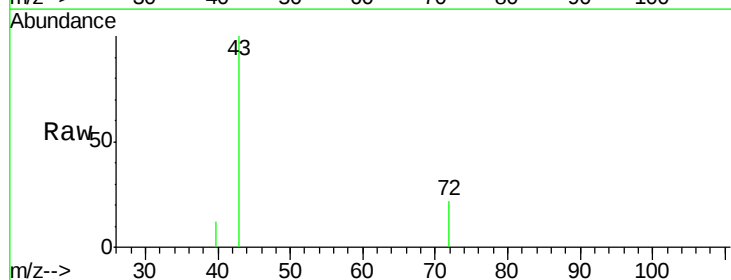
Ion	Ratio	Lower	Upper
84	100		
49	112.2	94.0	141.0
51	29.9	29.0	43.4
86	72.6	49.8	74.6

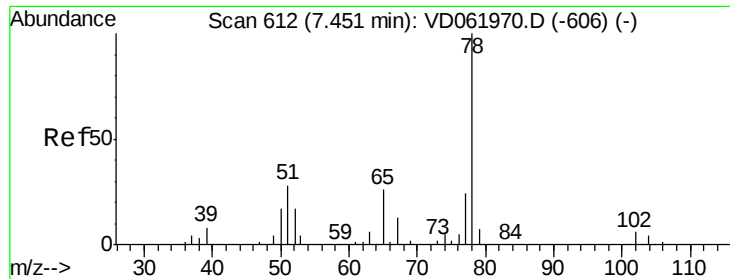


#25
2-Butanone
Concen: 11.437 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD061980.D
Acq: 23 Apr 2019 20:08

Tgt Ion: 43 Resp: 9428

Ion	Ratio	Lower	Upper
43	100		
72	22.3	16.2	24.4

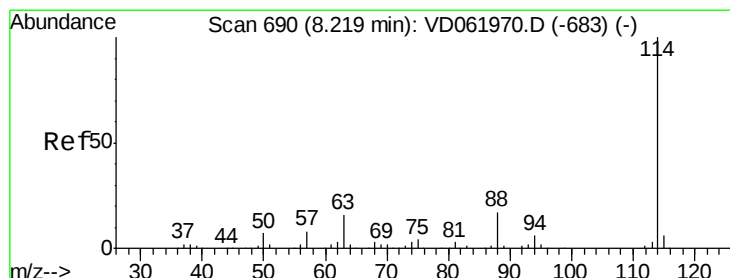
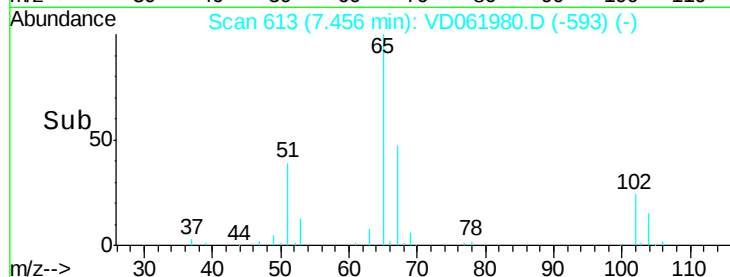
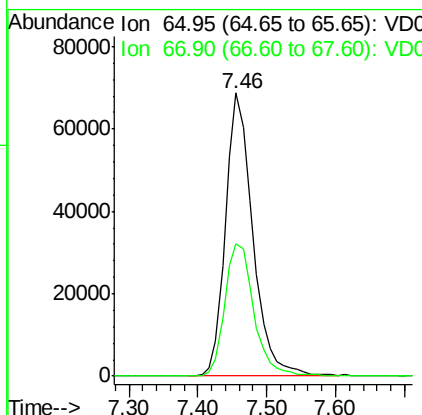
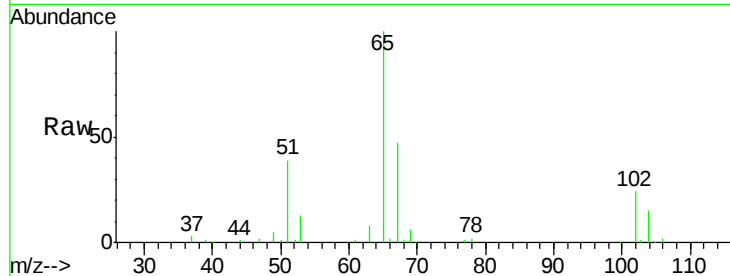




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD061980.D
 Acq: 23 Apr 2019 20:08

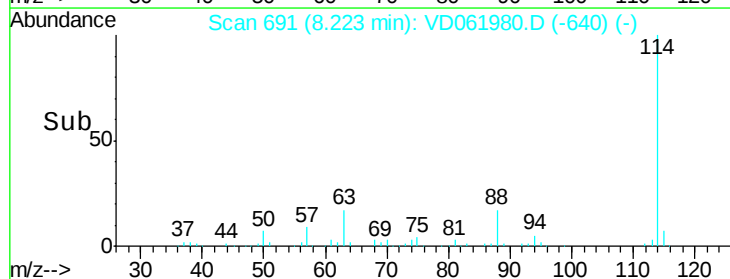
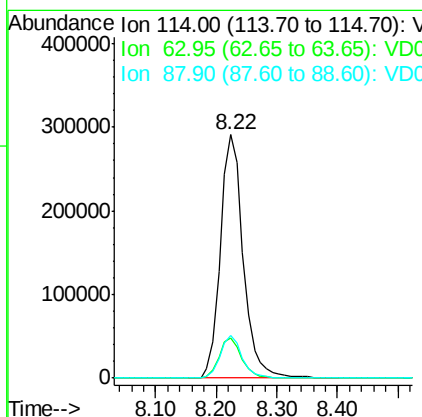
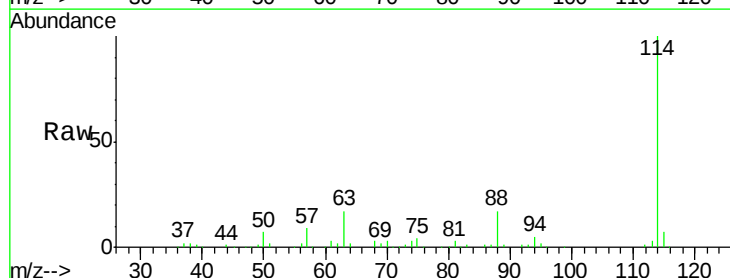
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-006-B

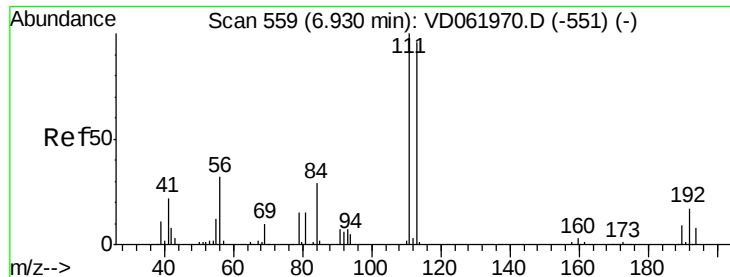
Tot Ion: 65 Resp: 188733
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD061980.D
 Acq: 23 Apr 2019 20:08

Tgt Ion: 114 Resp: 761841
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.4
 88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD061980.D

Acq: 23 Apr 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-B

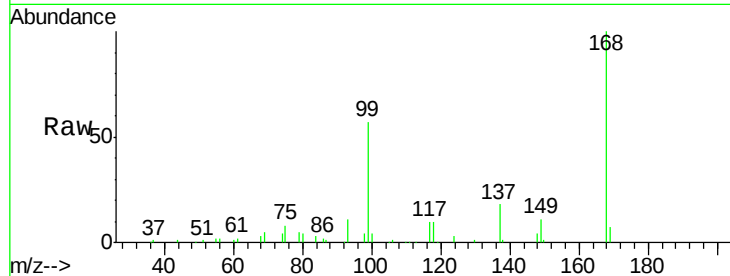
Tot Ion:113 Resp: 188

Ion Ratio Lower Upper

113 100

111 116.3 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

500

400

300

200

100

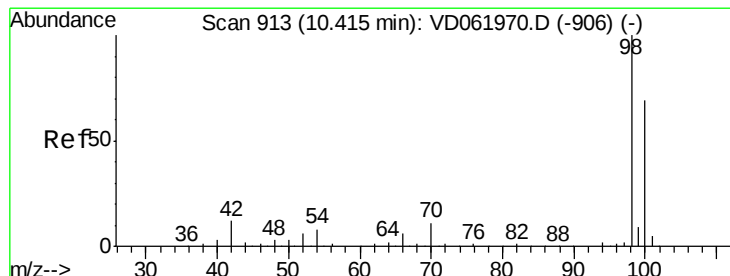
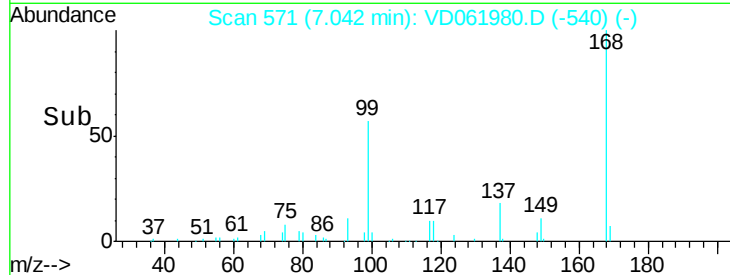
0

7.02

7.04

7.06

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD061980.D

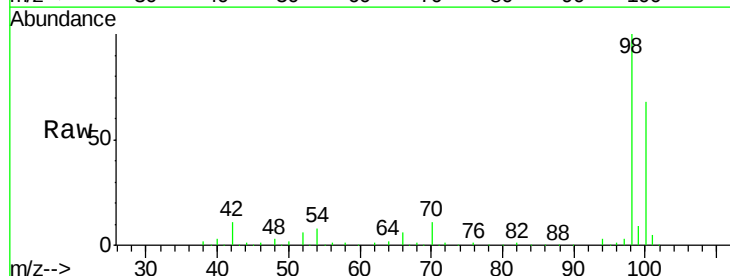
Acq: 23 Apr 2019 20:08

Tgt Ion: 98 Resp: 576171

Ion Ratio Lower Upper

98 100

100 68.3 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

250000

200000

150000

100000

50000

0

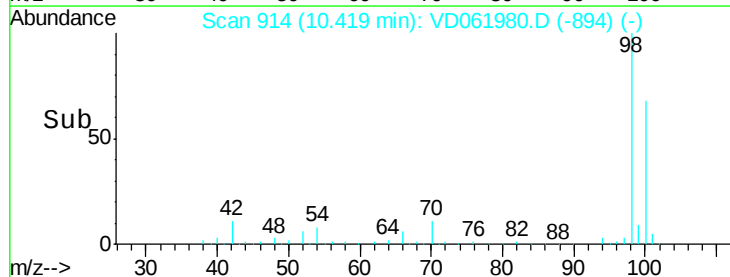
10.30

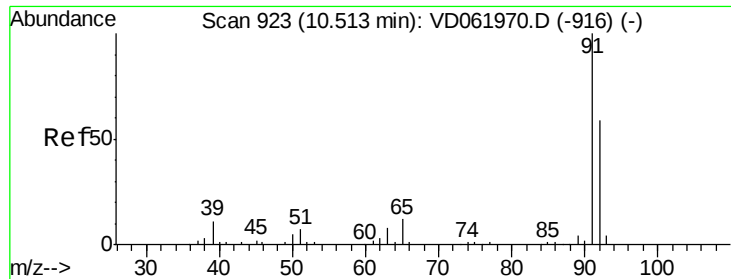
10.40

10.50

10.60

Time-->





#52

Toluene

Concen: 2.492 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD061980.D

Acq: 23 Apr 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

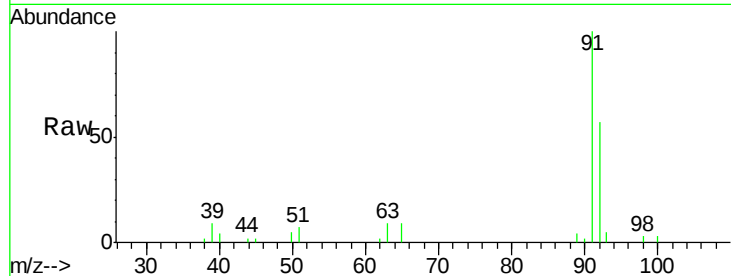
FK-SF-03-006-B

Tot Ion: 92 Resp: 23351

Ion Ratio Lower Upper

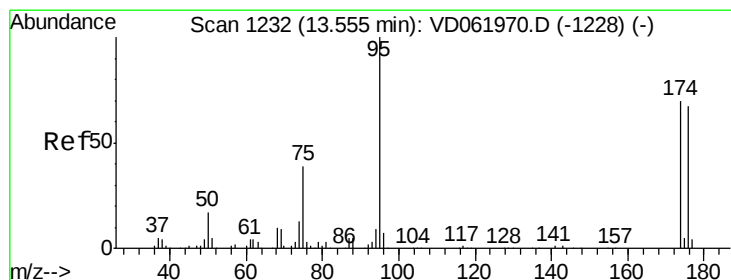
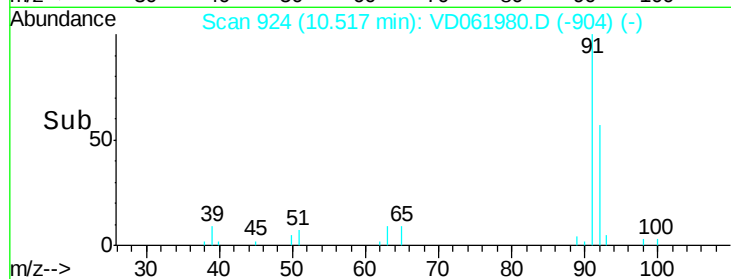
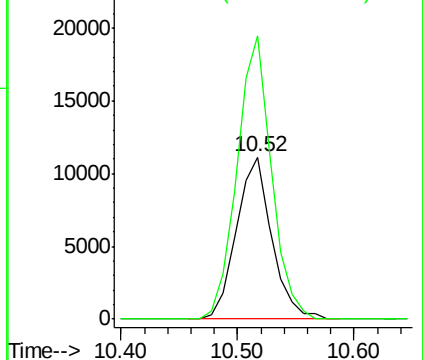
92 100

91 174.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD061980.D

Acq: 23 Apr 2019 20:08

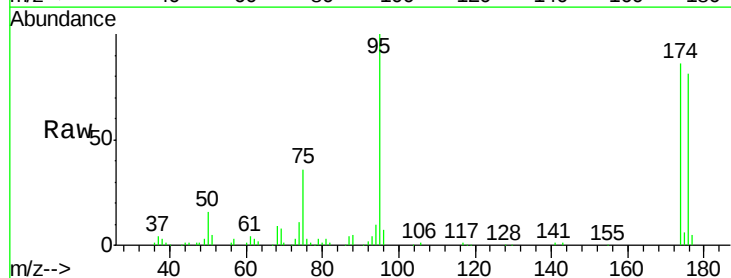
Tgt Ion: 95 Resp: 179397

Ion Ratio Lower Upper

95 100

174 85.6 0.0 181.8

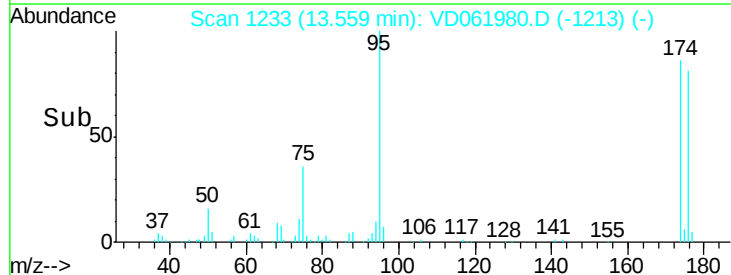
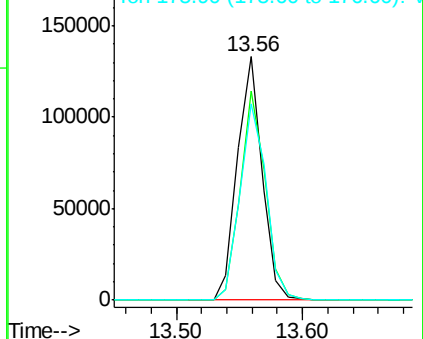
176 80.9 0.0 174.4

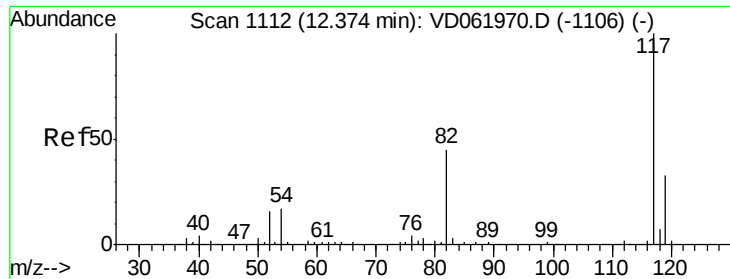


Abundance Ion 95.00 (94.70 to 95.70): VDC

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. -0.00 min

Lab File: VD061980.D

Acq: 23 Apr 2019 20:08

Instrument :

MSVOA_D

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FK-SF-03-006-B

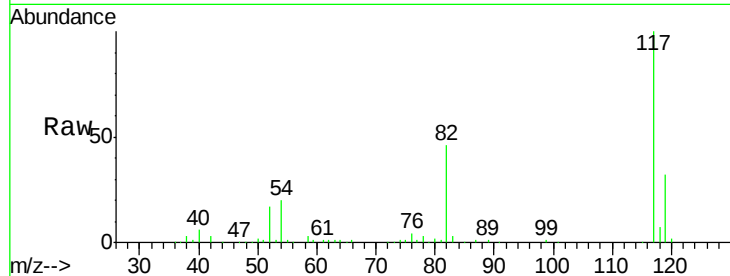
Tot Ion:117 Resp: 513326

Ion Ratio Lower Upper

117 100

82 46.2 36.2 54.2

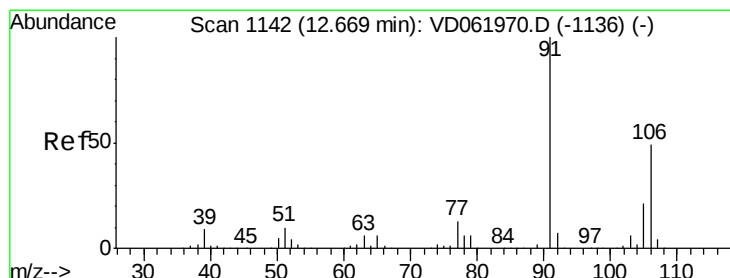
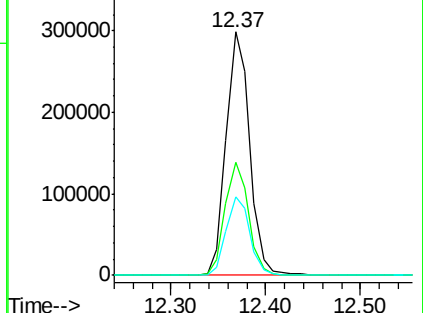
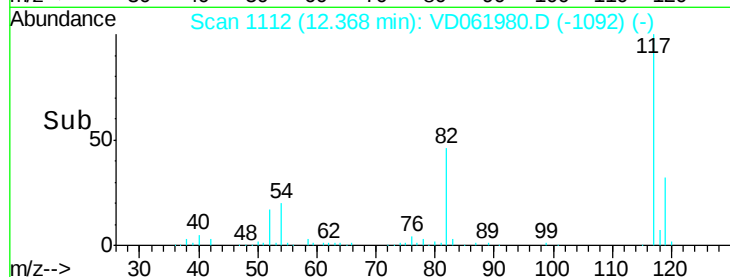
119 32.4 26.2 39.4



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



#68

m/p-Xylenes

Concen: 4.849 ug/l

RT: 12.66 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VD061980.D

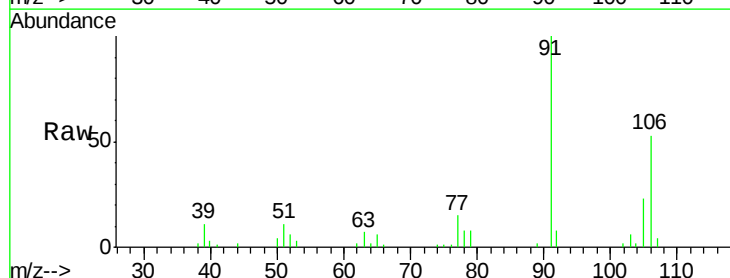
Acq: 23 Apr 2019 20:08

Tgt Ion:106 Resp: 27749

Ion Ratio Lower Upper

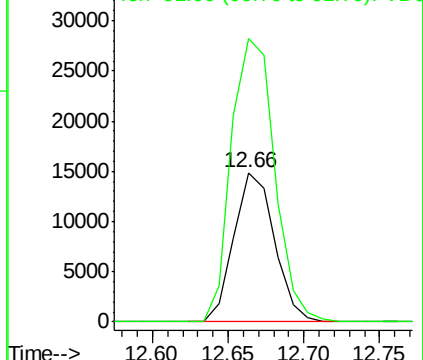
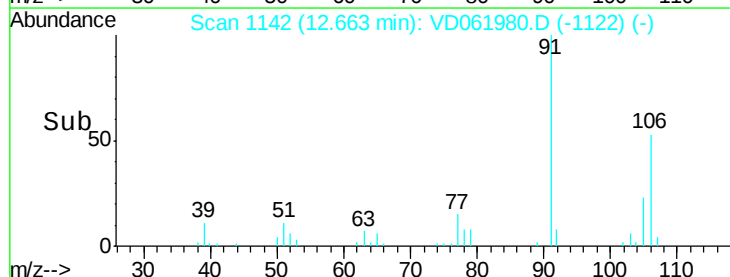
106 100

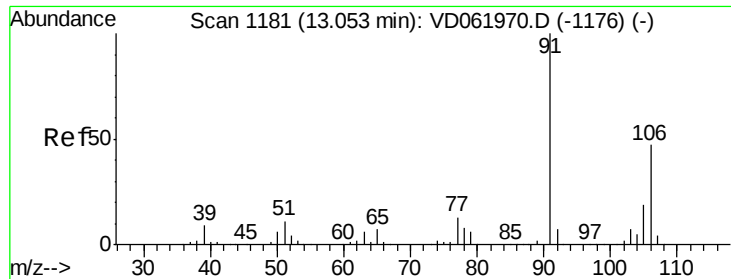
91 189.4 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

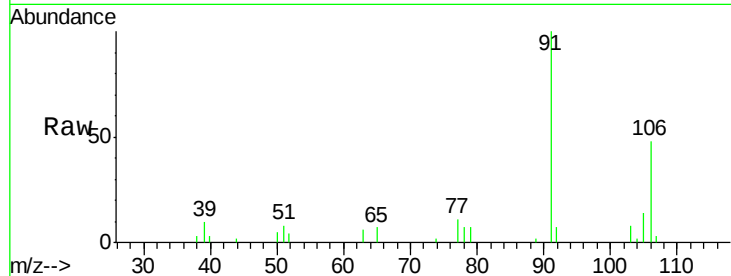




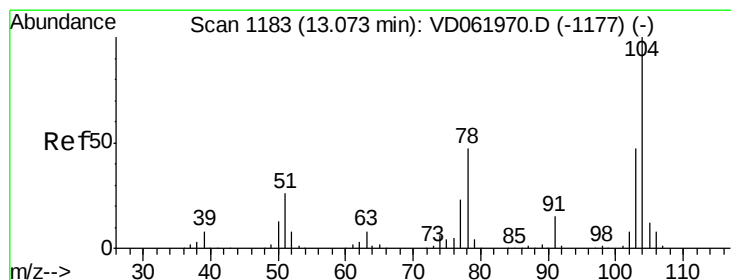
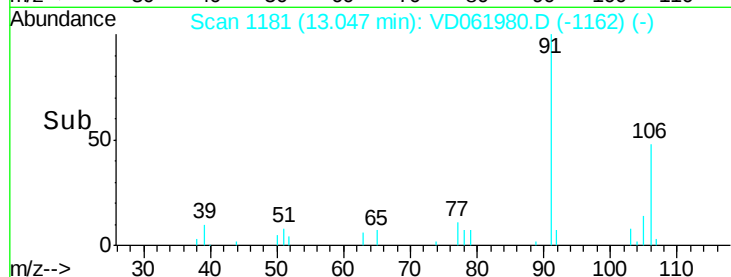
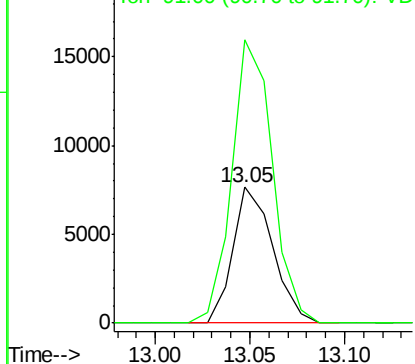
#69
o-Xylene
Concen: 2.120 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061980.D
Acq: 23 Apr 2019 20:08

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

Tot Ion:106 Resp: 11097
Ion Ratio Lower Upper
106 100
91 208.6 106.7 319.9

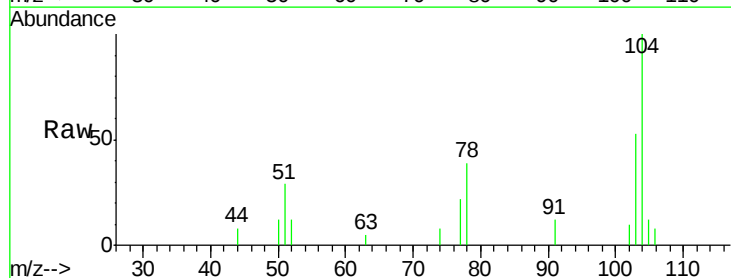


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

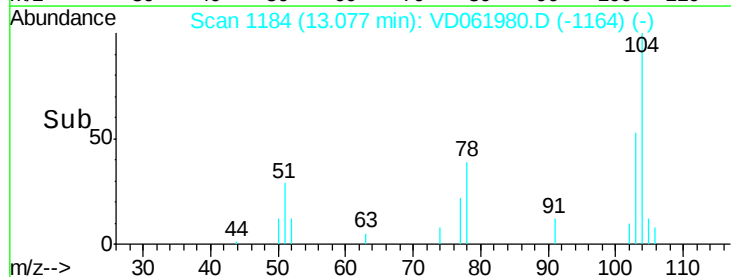
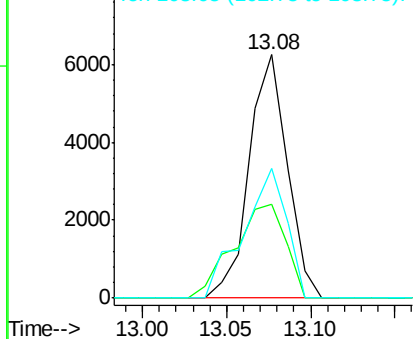


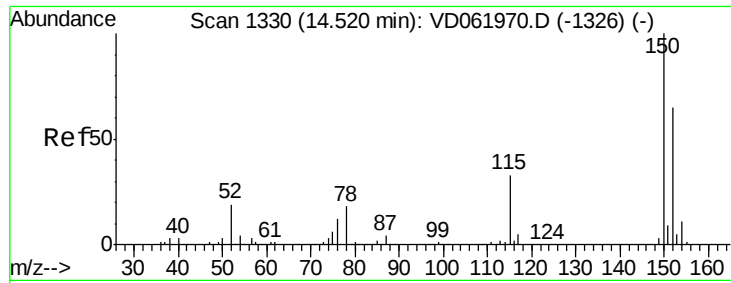
#70
Styrene
Concen: 1.088 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD061980.D
Acq: 23 Apr 2019 20:08

Tgt Ion:104 Resp: 9840
Ion Ratio Lower Upper
104 100
78 38.6 35.4 53.2
103 53.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD061980.D

Acq: 23 Apr 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-006-B

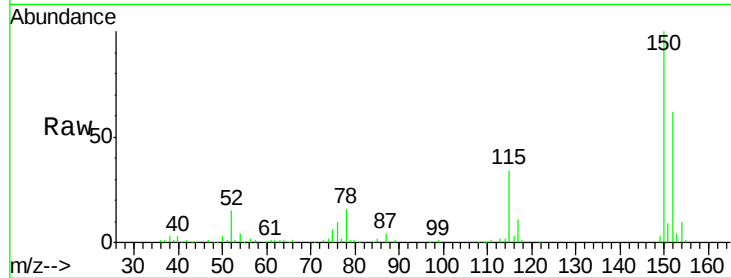
Tot Ion:152 Resp: 164525

Ion Ratio Lower Upper

152 100

115 54.5 30.9 92.7

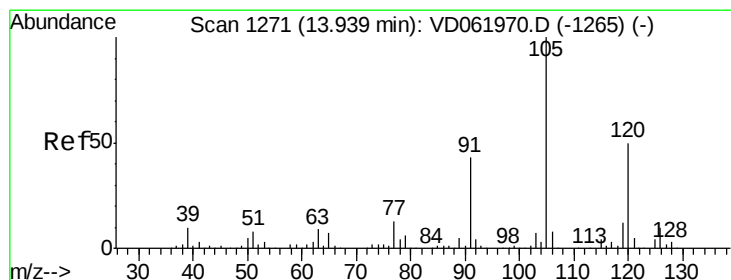
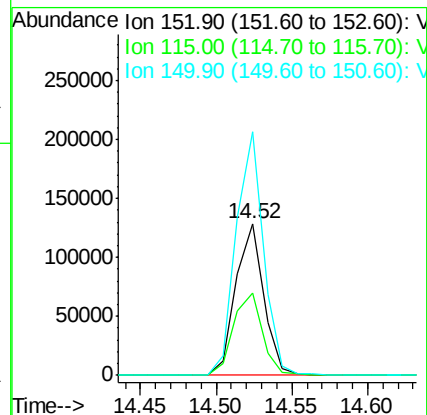
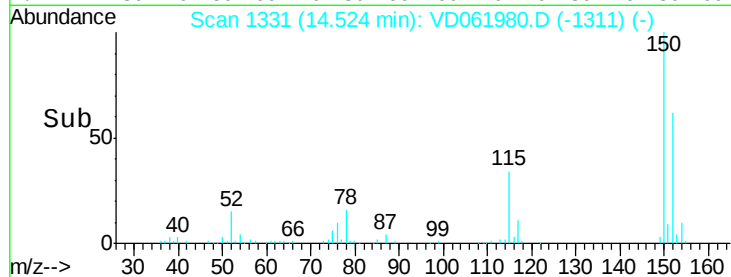
150 160.3 0.0 314.8



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: 2.414 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061980.D

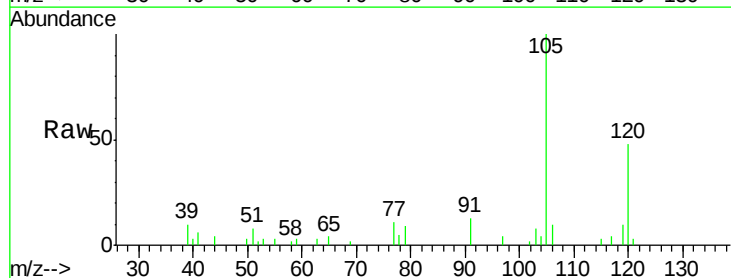
Acq: 23 Apr 2019 20:08

Tgt Ion:105 Resp: 21126

Ion Ratio Lower Upper

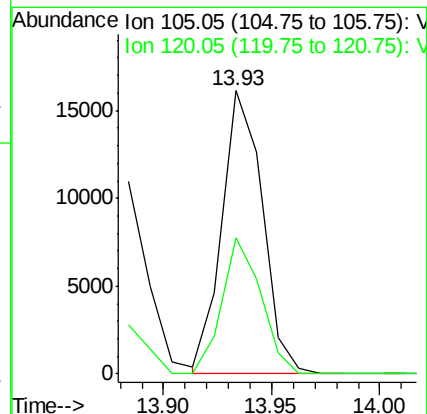
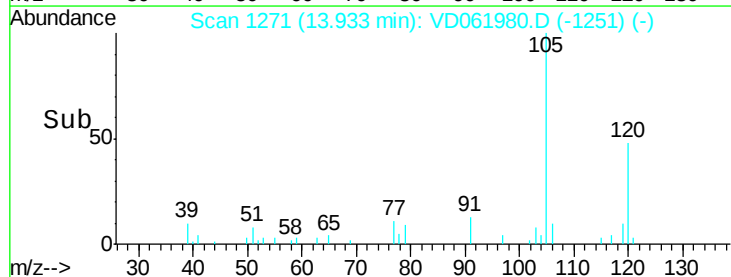
105 100

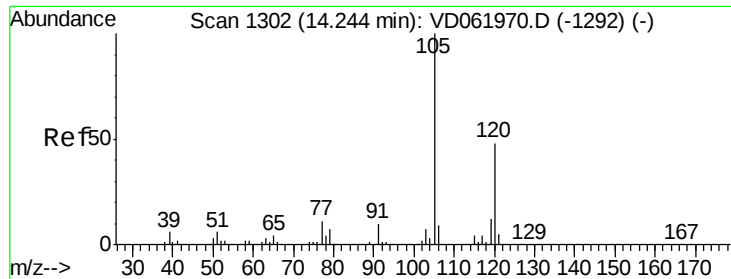
120 48.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

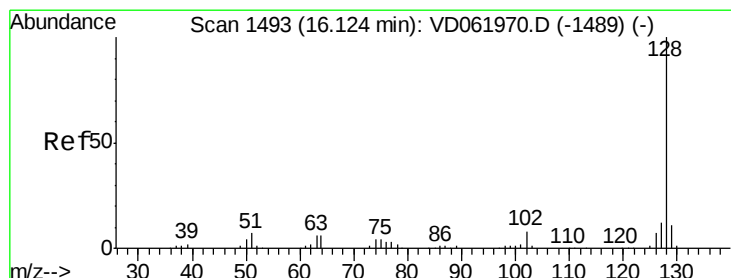
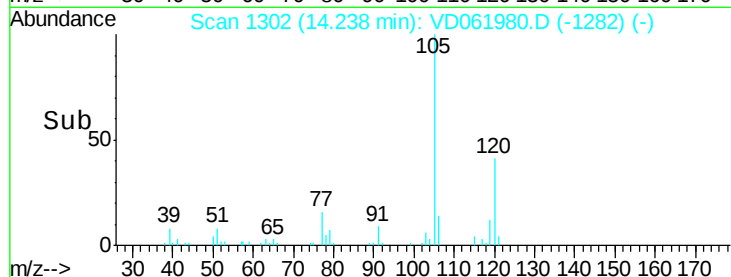
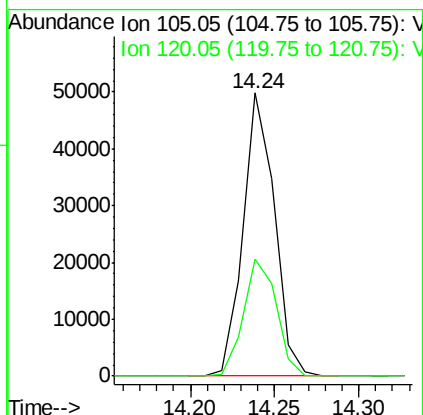
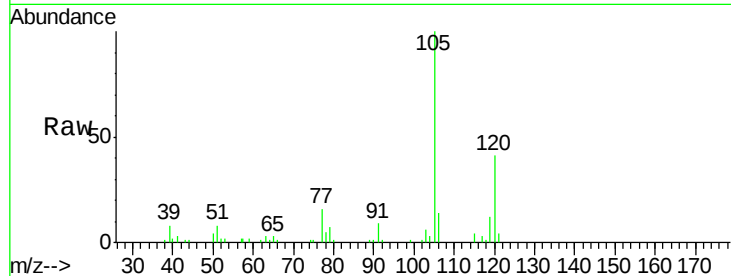




#84
 1,2,4-Trimethylbenzene
 Concen: 7.681 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD061980.D
 Acq: 23 Apr 2019 20:08

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

Tot Ion:105 Resp: 64184
 Ion Ratio Lower Upper
 105 100
 120 41.4 23.1 69.2



#95
 Naphthalene
 Concen: 8.859 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VD061980.D
 Acq: 23 Apr 2019 20:08

Tgt Ion:128 Resp: 35101
 Ion Ratio Lower Upper
 128 100
 127 13.5 9.8 14.8
 129 10.9 8.8 13.2

