

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061394.D
 Acq On : 28 Mar 2019 16:46
 Operator : VA/AP
 Sample : K1950-04RE
 Misc : 3.92g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-BRE

Quant Time: Mar 28 17:13:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	559763	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	971544	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	725994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	242140	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	256720	53.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.38%	
35) Dibromofluoromethane	6.92	113	124869	16.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	33.64%	
50) Toluene-d8	10.40	98	798614	44.85	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.70%	
62) 4-Bromofluorobenzene	13.55	95	266834	39.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.16%	

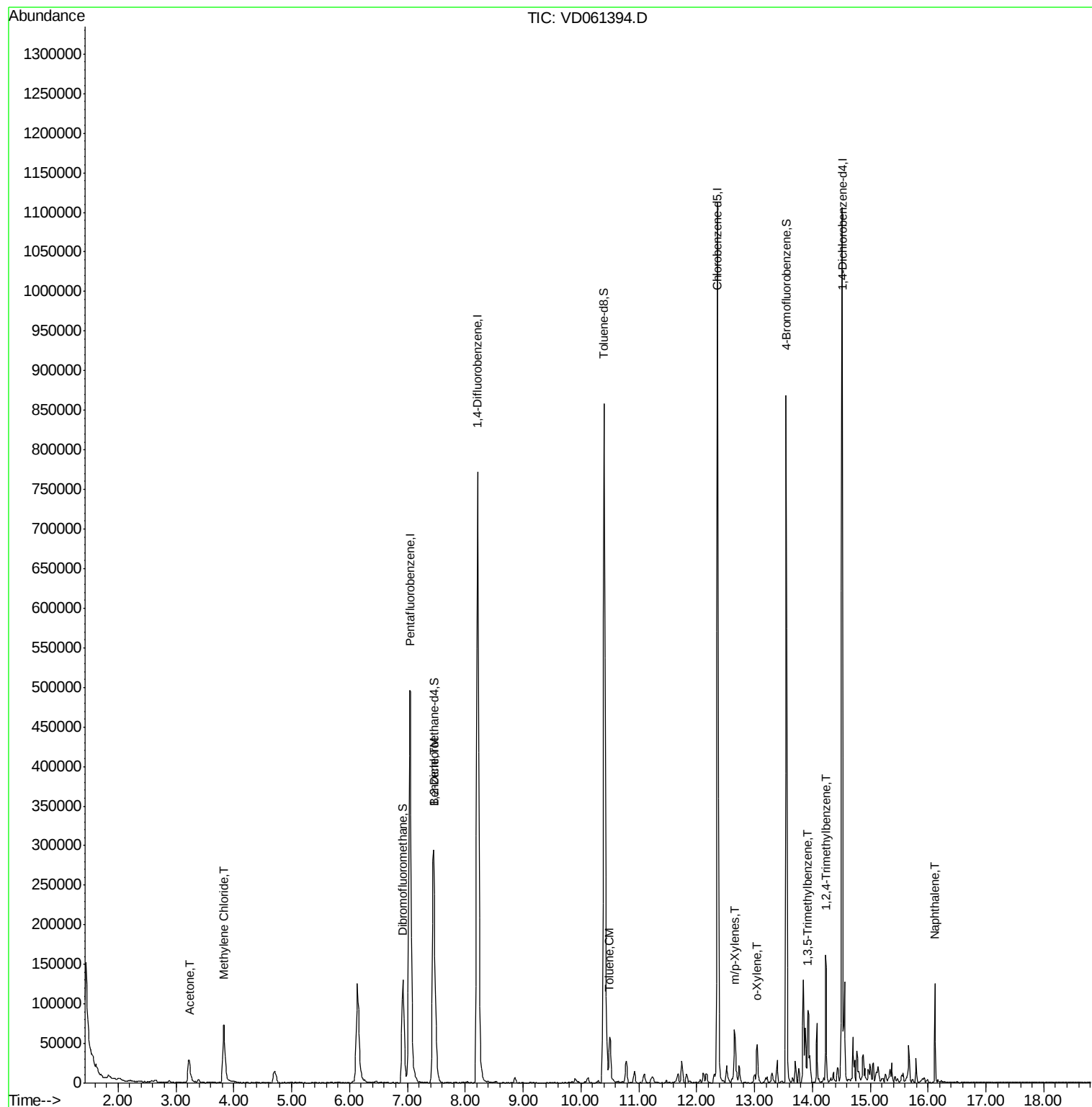
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	66709	54.269	ug/l #	87
20) Methylene Chloride	3.82	84	58693	6.867	ug/l	95
40) Benzene	7.45	78	42861	2.014	ug/l	97
52) Toluene	10.50	92	33017	2.543	ug/l	98
68) m/p-Xylenes	12.65	106	22130	2.580	ug/l	97
69) o-Xylene	13.05	106	12980	1.559	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	47231	3.612	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	83771	5.918	ug/l	97
95) Naphthalene	16.12	128	74624	15.487	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061394.D

Acq: 28 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

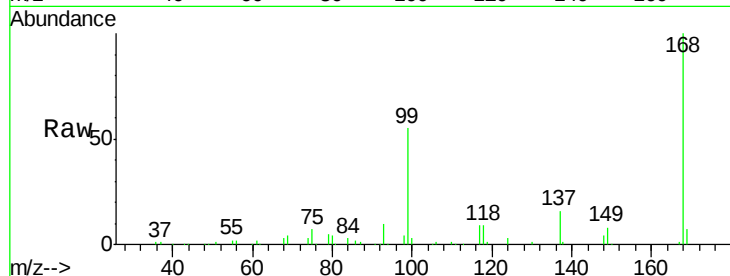
FK-SF-03-005-BRE

Tot Ion:168 Resp: 559763

Ion Ratio Lower Upper

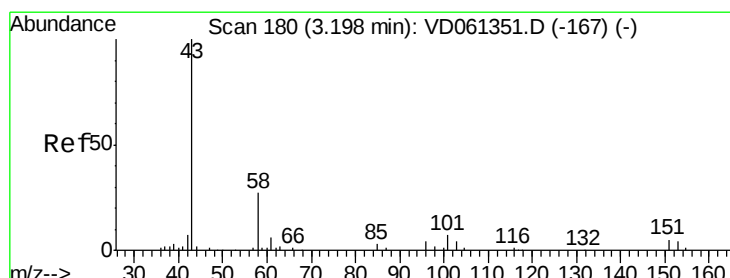
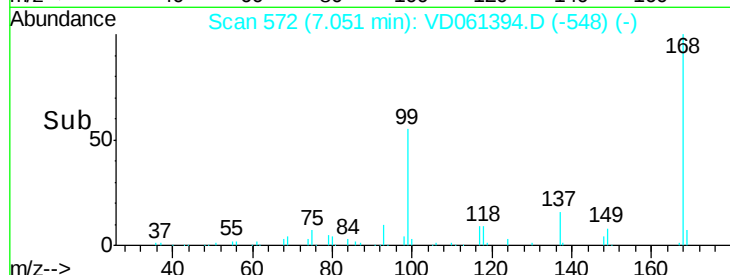
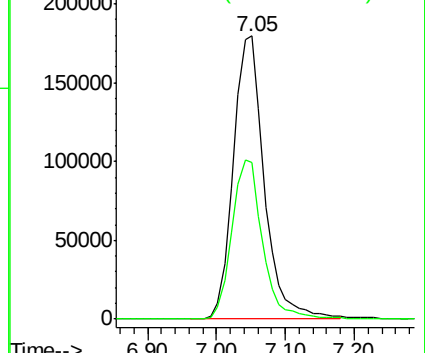
168 100

99 55.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 54.269 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061394.D

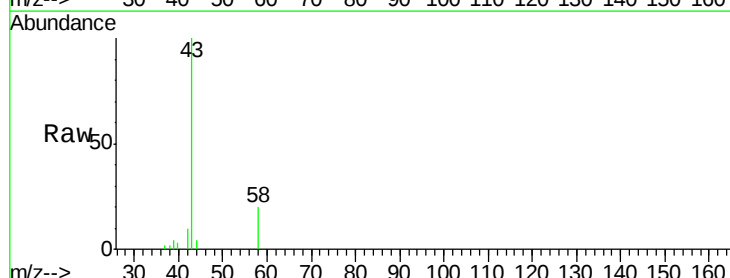
Acq: 28 Mar 2019 16:46

Tgt Ion: 43 Resp: 66709

Ion Ratio Lower Upper

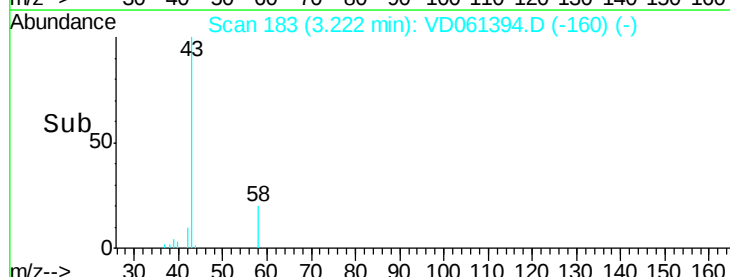
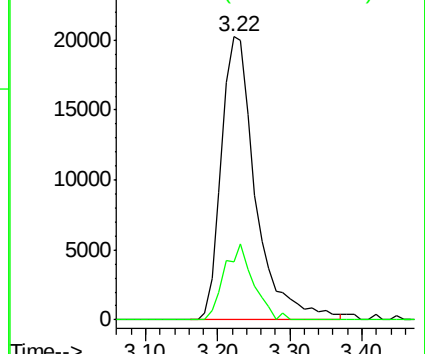
43 100

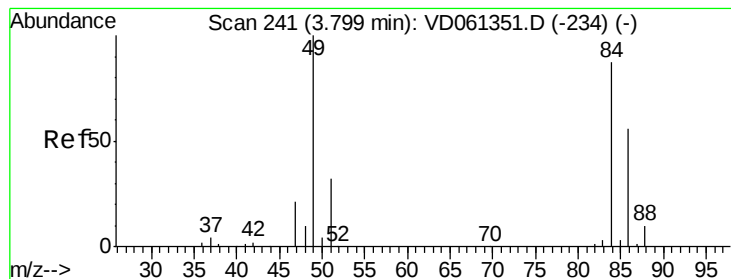
58 20.4 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 6.867 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061394.D

Acq: 28 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-005-BRE

Tot Ion: 84 Resp: 58693

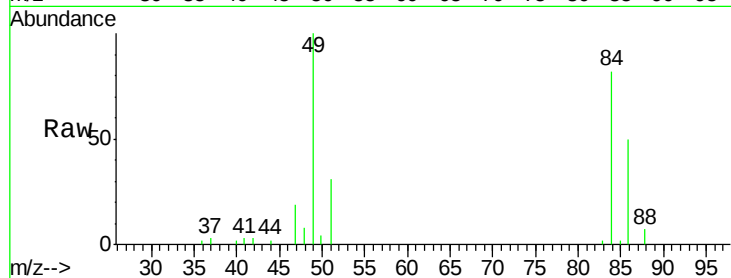
Ion Ratio Lower Upper

84 100

49 121.7 91.8 137.8

51 37.6 29.8 44.8

86 60.4 51.8 77.6

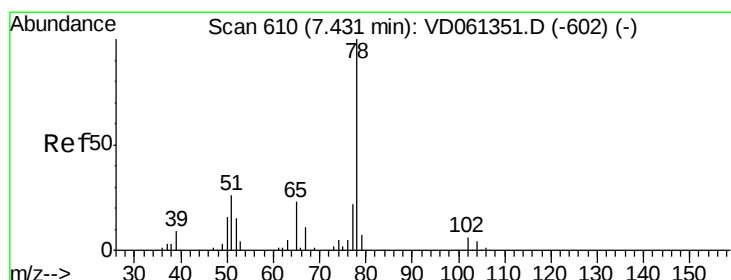
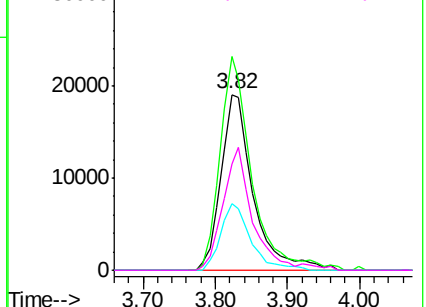
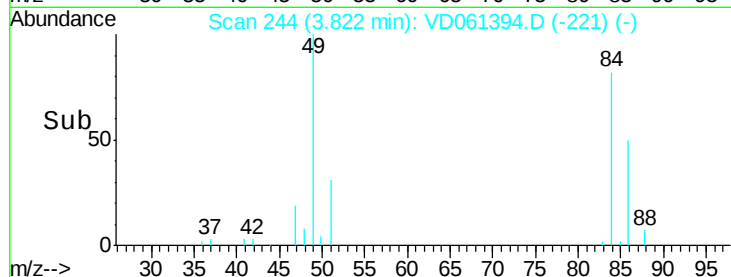


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061394.D

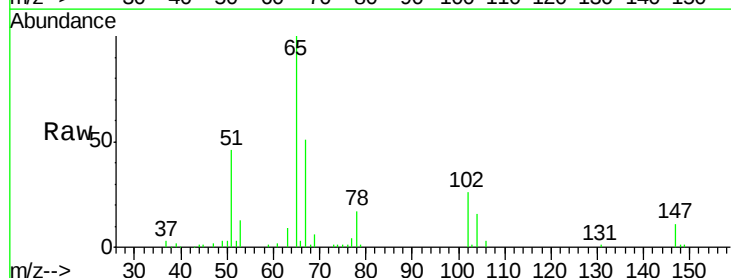
Acq: 28 Mar 2019 16:46

Tgt Ion: 65 Resp: 256720

Ion Ratio Lower Upper

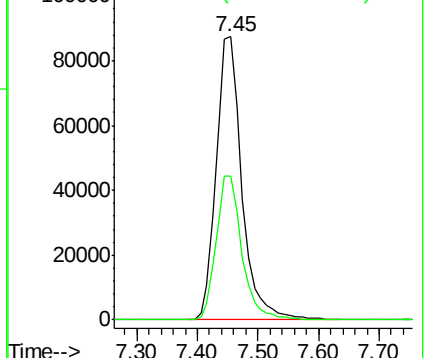
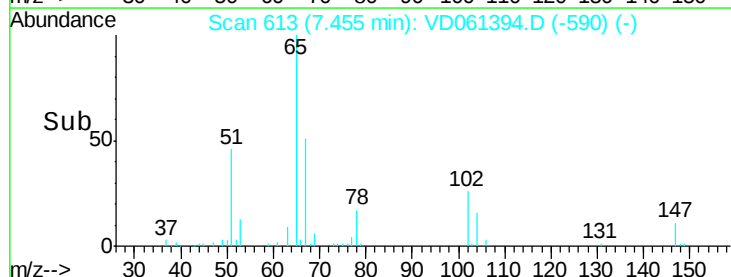
65 100

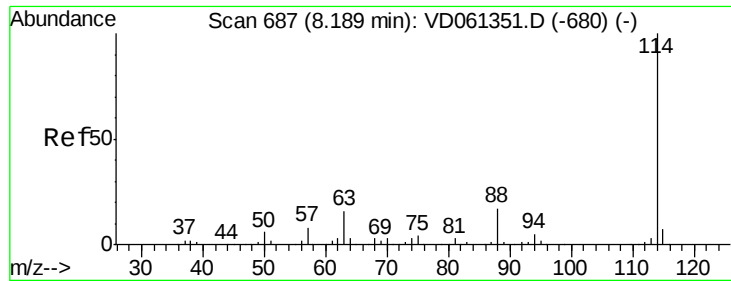
67 50.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

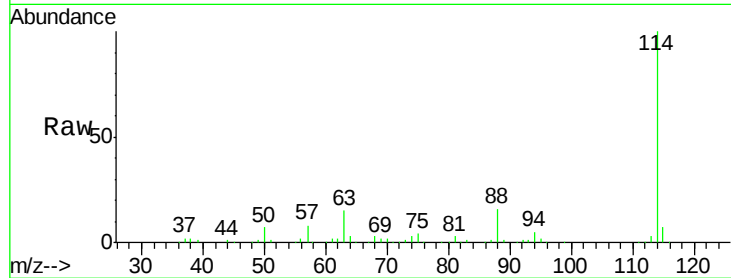




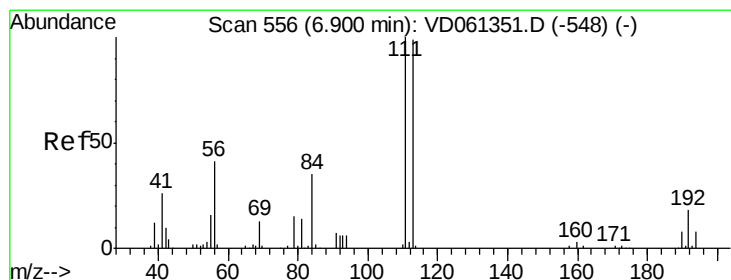
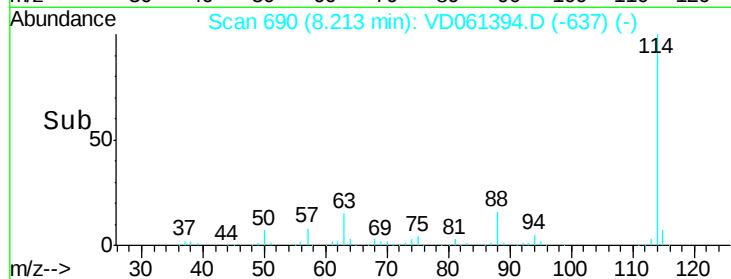
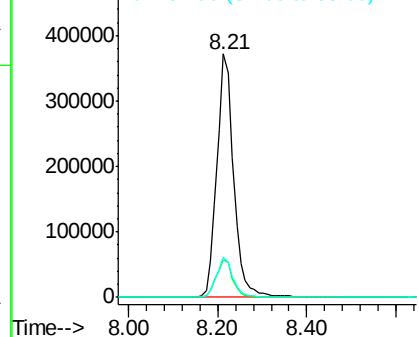
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061394.D
 Acq: 28 Mar 2019 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-BRE

Tot Ion:114 Resp: 971544
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.6
 88 16.5 0.0 33.4

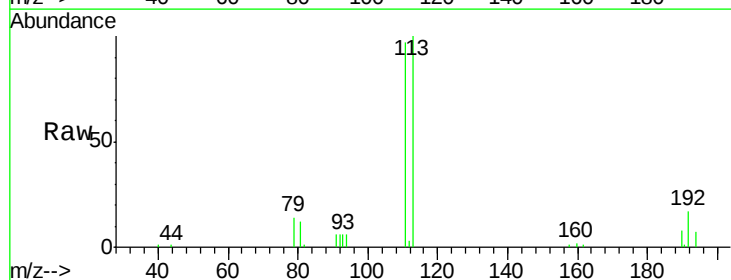


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

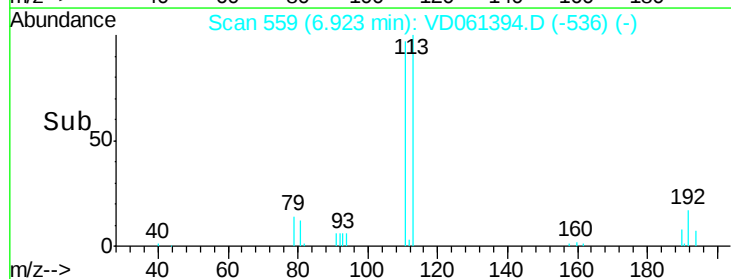
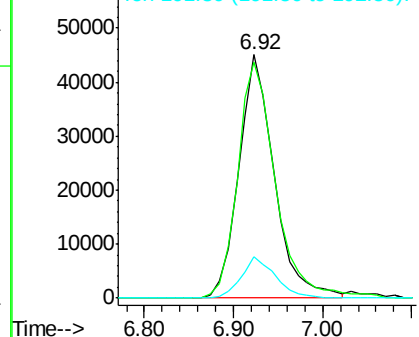


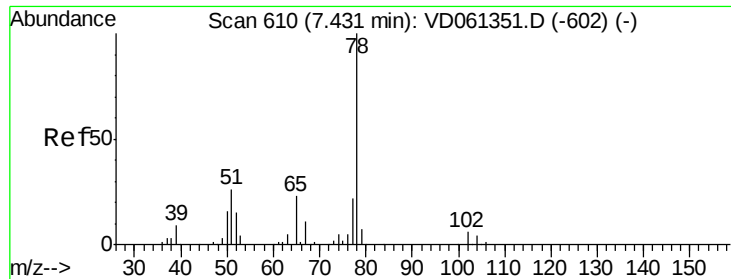
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061394.D
 Acq: 28 Mar 2019 16:46

Tgt Ion:113 Resp: 124869
 Ion Ratio Lower Upper
 113 100
 111 97.0 81.0 121.6
 192 17.2 14.4 21.6



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: 2.014 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061394.D

Acq: 28 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

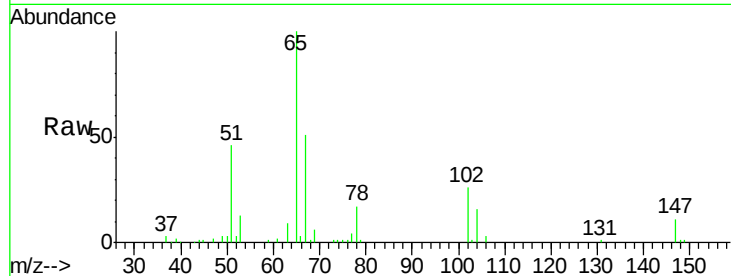
FK-SF-03-005-BRE

Tot Ion: 78 Resp: 42861

Ion Ratio Lower Upper

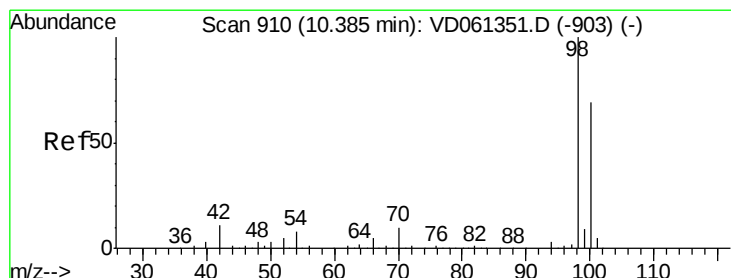
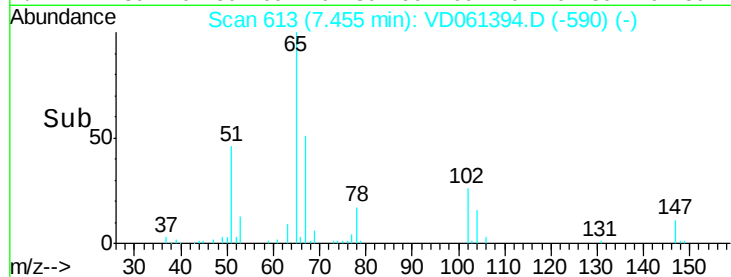
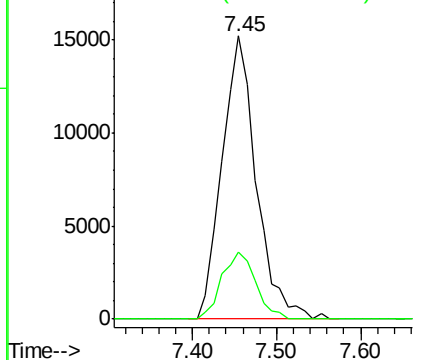
78 100

77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061394.D

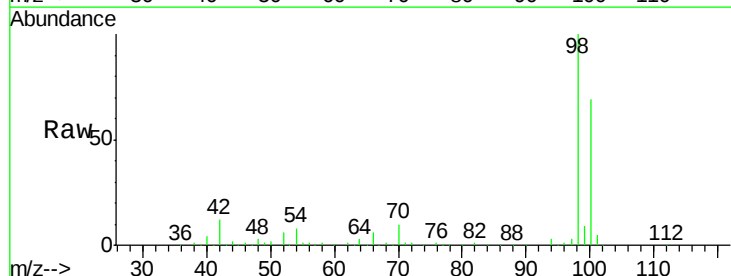
Acq: 28 Mar 2019 16:46

Tgt Ion: 98 Resp: 798614

Ion Ratio Lower Upper

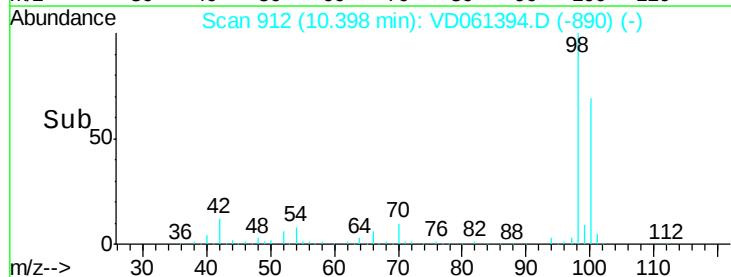
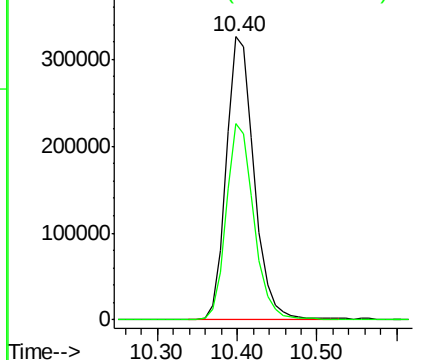
98 100

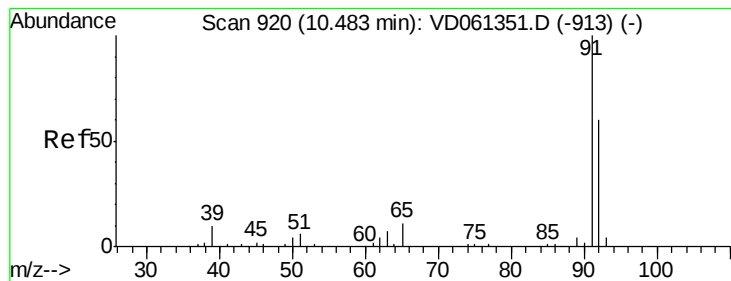
100 69.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 2.543 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061394.D

Acq: 28 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

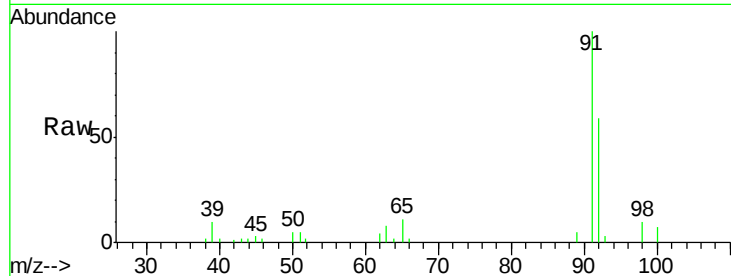
FK-SF-03-005-BRE

Tot Ion: 92 Resp: 33017

Ion Ratio Lower Upper

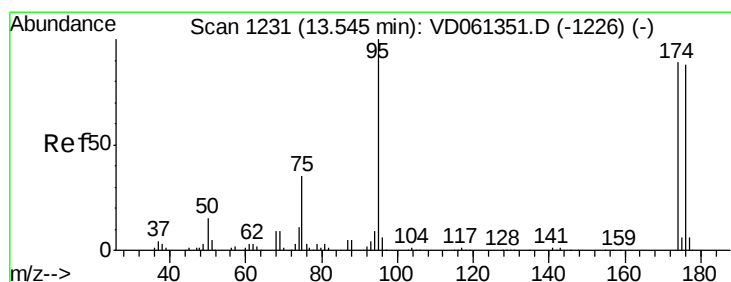
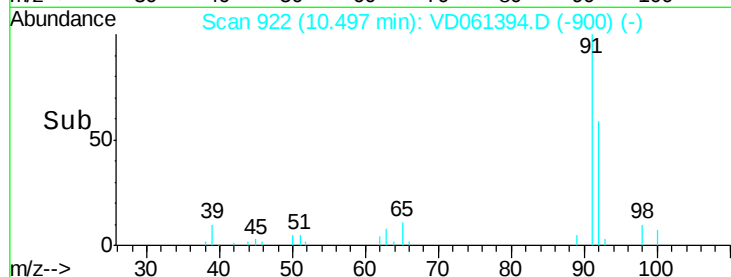
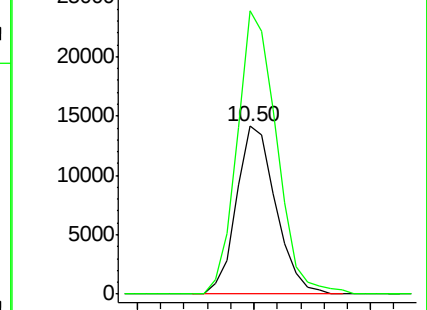
92 100

91 168.8 133.3 199.9



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061394.D

Acq: 28 Mar 2019 16:46

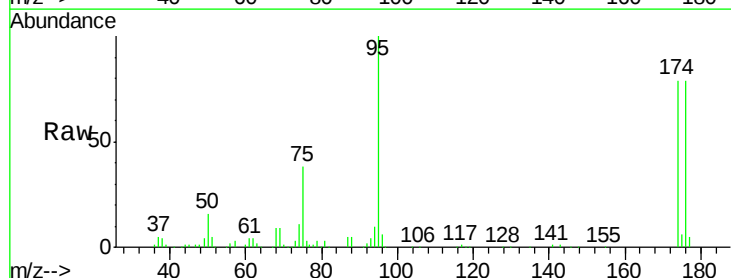
Tgt Ion: 95 Resp: 266834

Ion Ratio Lower Upper

95 100

174 79.2 0.0 178.0

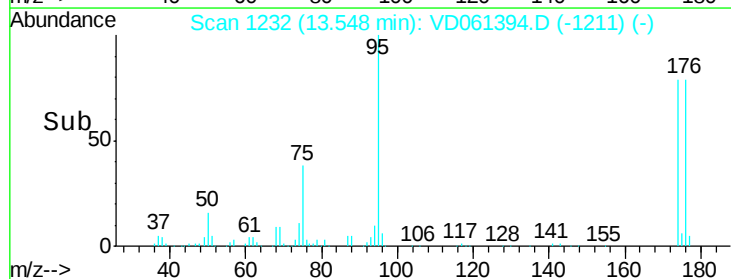
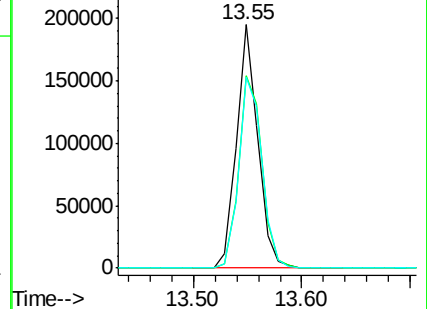
176 78.6 0.0 175.0

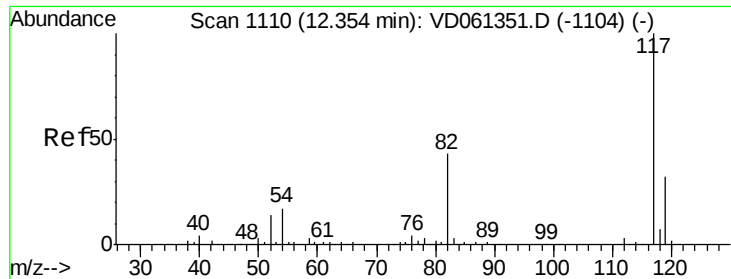


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

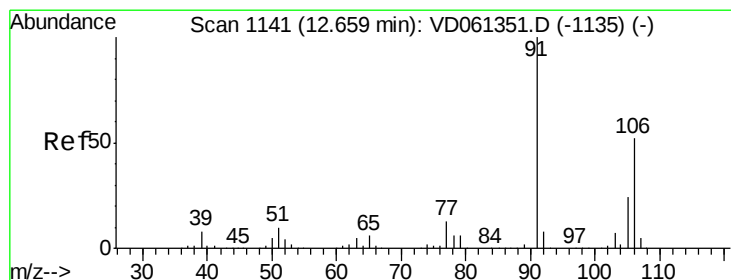
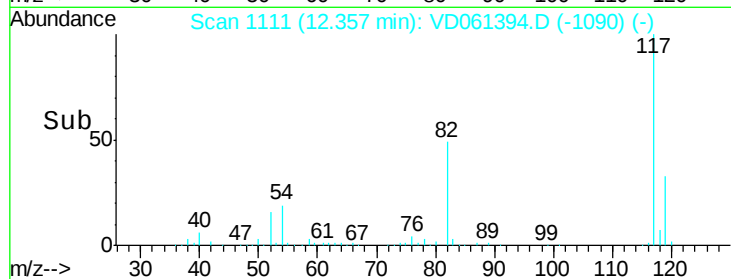
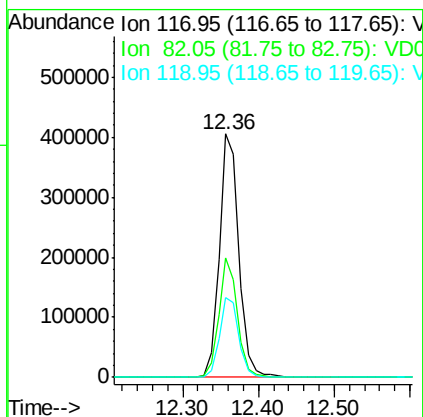
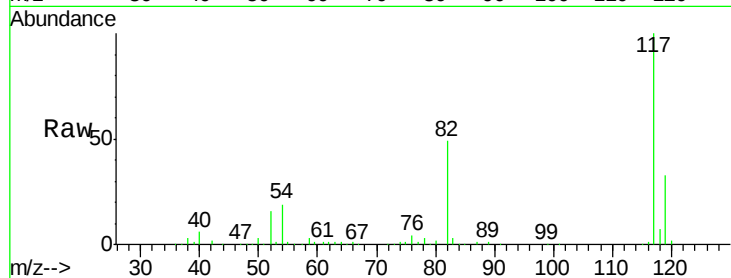




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061394.D
Acq: 28 Mar 2019 16:46

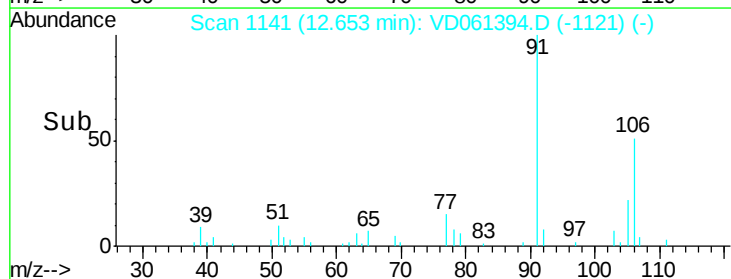
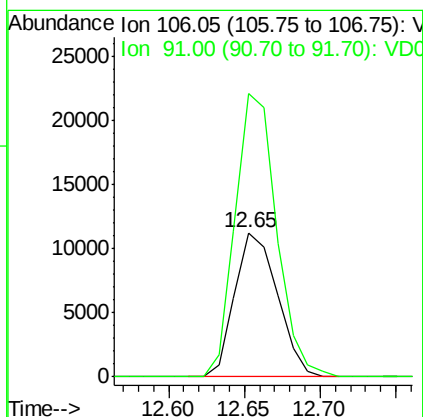
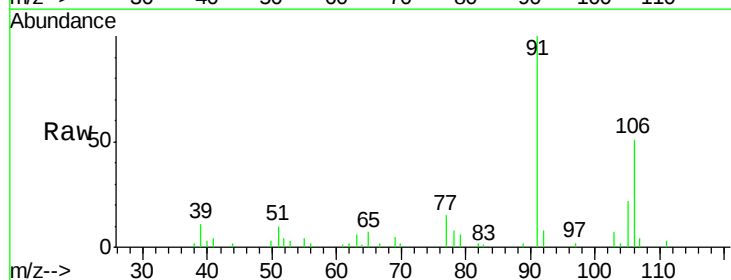
Instrument :
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FK-SF-03-005-BRE

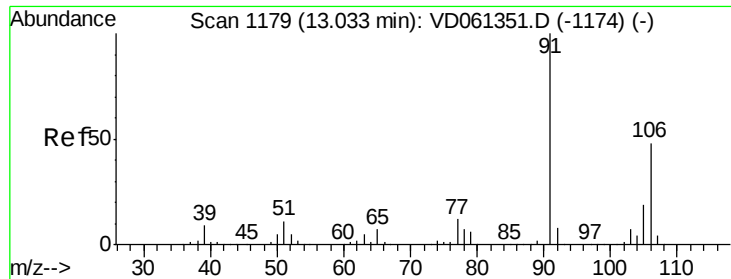
Tot Ion:117 Resp: 725994
Ion Ratio Lower Upper
117 100
82 49.2 34.4 51.6
119 32.6 25.8 38.6



#68
m/p-Xylenes
Concen: 2.580 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061394.D
Acq: 28 Mar 2019 16:46

Tgt Ion:106 Resp: 22130
Ion Ratio Lower Upper
106 100
91 196.0 153.1 229.7

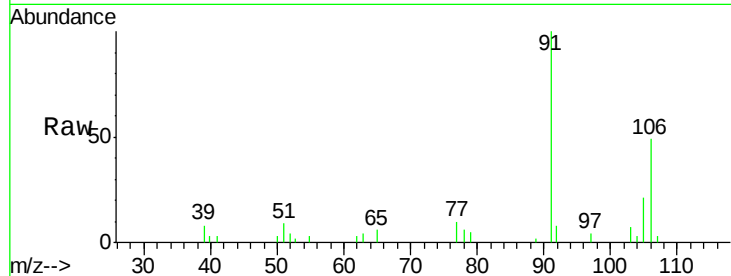




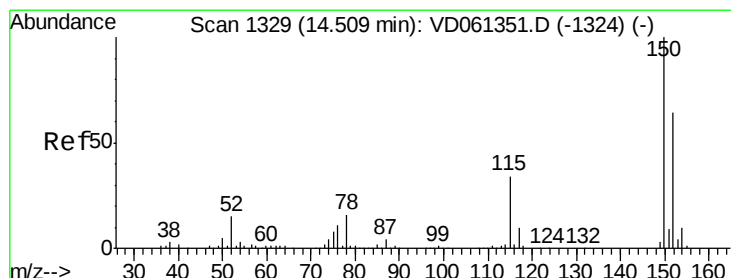
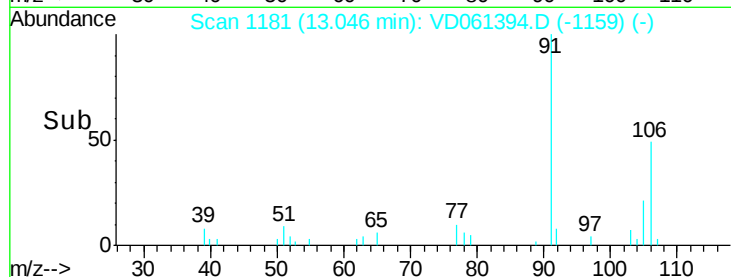
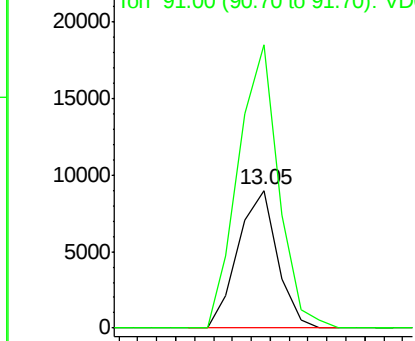
#69
o-Xylene
Concen: 1.559 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061394.D
Acq: 28 Mar 2019 16:46

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-005-BRE

Tot Ion:106 Resp: 12980
Ion Ratio Lower Upper
106 100
91 205.0 103.8 311.3

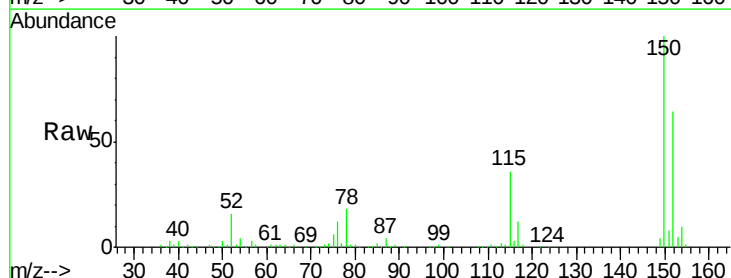


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

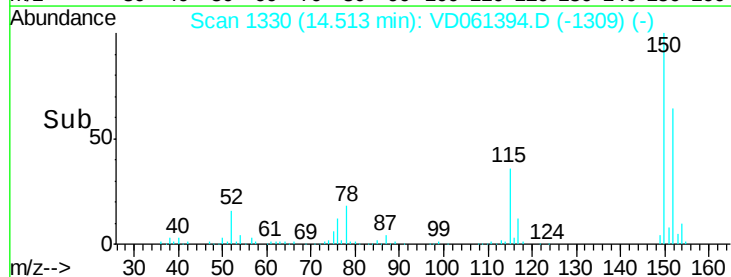
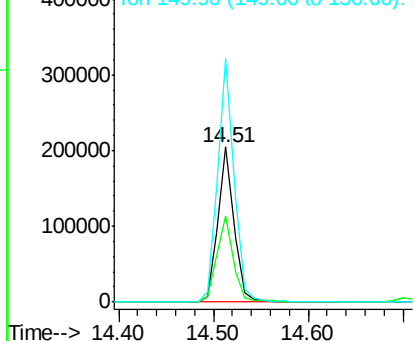


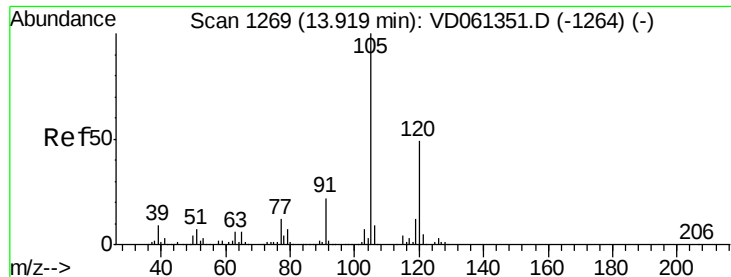
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061394.D
Acq: 28 Mar 2019 16:46

Tgt Ion:152 Resp: 242140
Ion Ratio Lower Upper
152 100
115 55.7 26.9 80.6
150 156.9 0.0 318.0



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

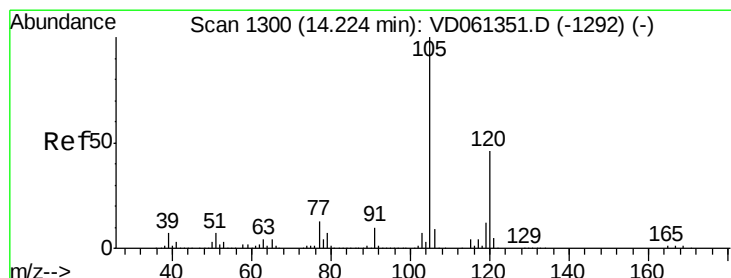
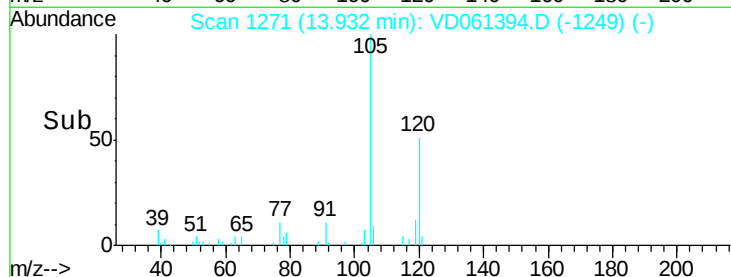
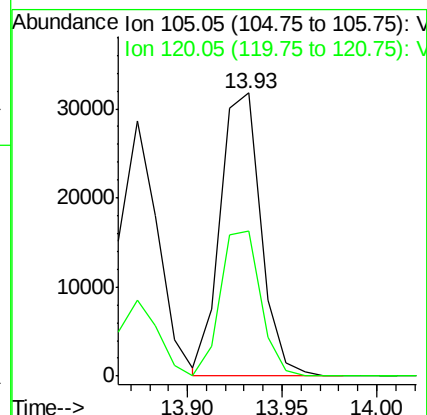
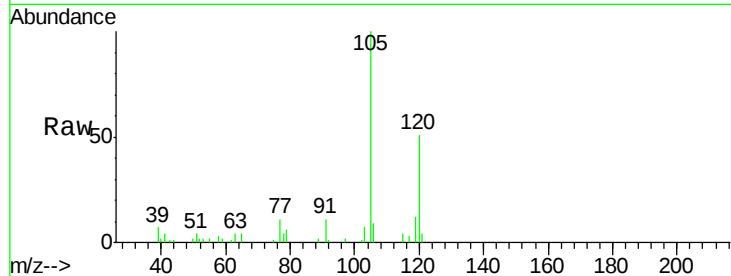




#80
 1,3,5-Trimethylbenzene
 Concen: 3.612 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061394.D
 Acq: 28 Mar 2019 16:46

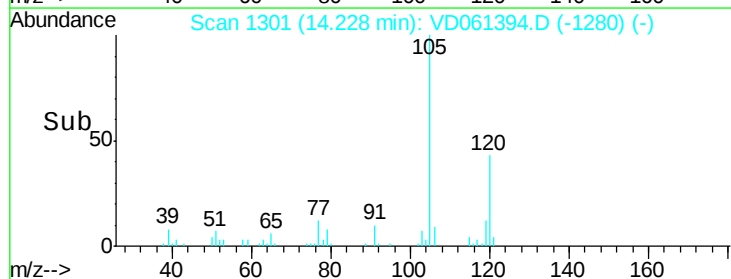
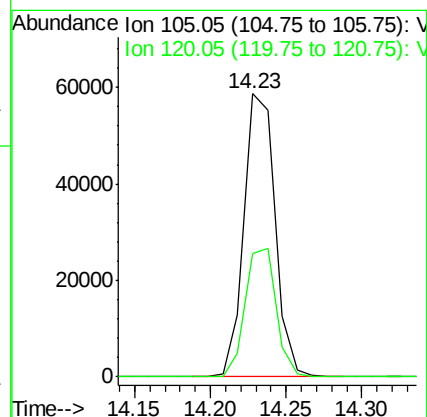
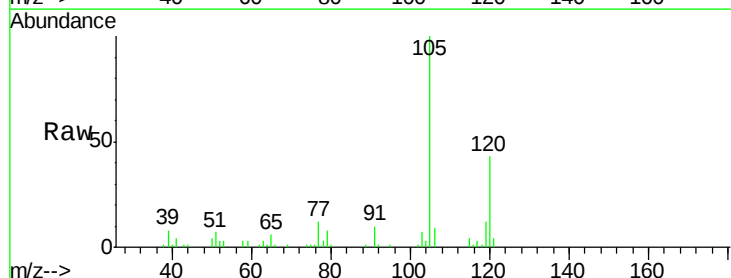
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-BRE

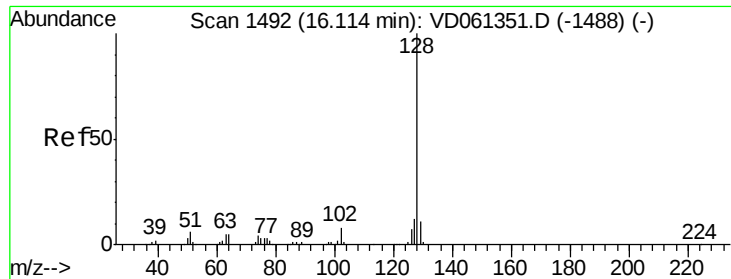
Tot Ion:105 Resp: 47231
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.918 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061394.D
 Acq: 28 Mar 2019 16:46

Tgt Ion:105 Resp: 83771
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.8 68.4





#95

Naphthalene

Concen: 15.487 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061394.D

Acq: 28 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-005-BRE

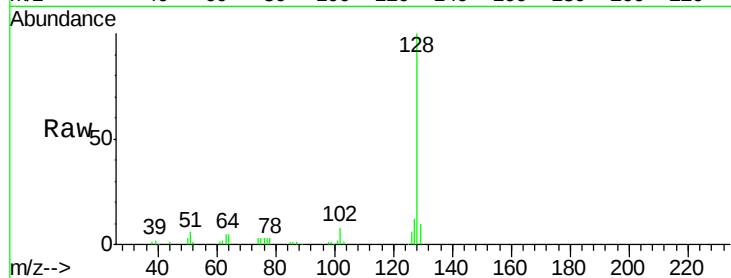
Tot Ion:128 Resp: 74624

Ion Ratio Lower Upper

128 100

127 12.2 9.9 14.9

129 10.1 8.9 13.3



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

