

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061393.D
 Acq On : 28 Mar 2019 16:18
 Operator : VA/AP
 Sample : K1950-02RE
 Misc : 3.67g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 28 17:01:57 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	564204	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	987026	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	663941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	197103	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	261763	54.31	ug/l	0.02
Spiked Amount			Recovery	=	108.62%	
35) Dibromofluoromethane	6.92	113	180376	23.91	ug/l	0.02
Spiked Amount			Recovery	=	47.82%	
50) Toluene-d8	10.40	98	798966	44.16	ug/l	0.02
Spiked Amount			Recovery	=	88.32%	
62) 4-Bromofluorobenzene	13.55	95	251948	36.32	ug/l	0.00
Spiked Amount			Recovery	=	72.64%	

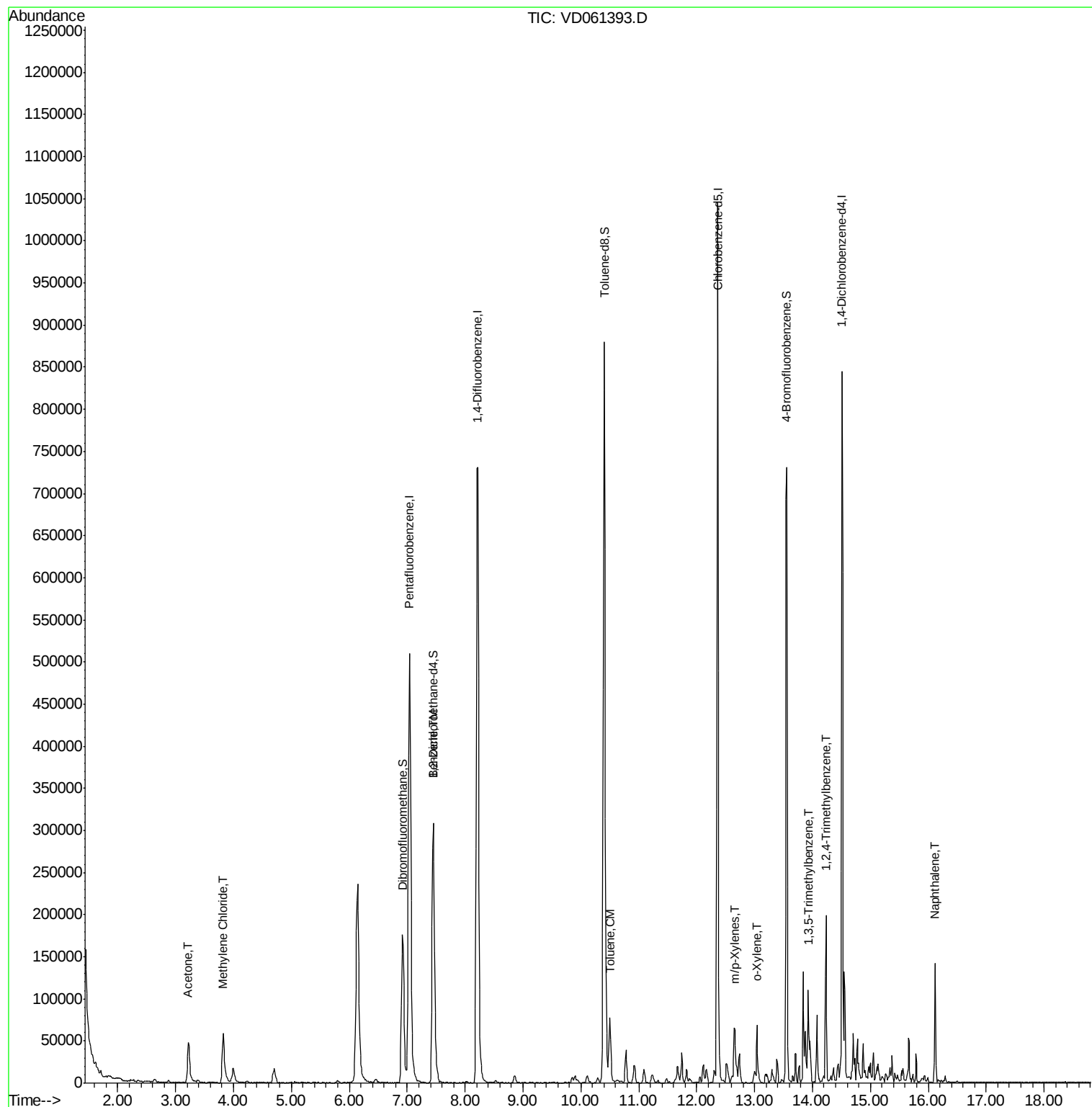
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	92778	74.883	ug/l	98
20) Methylene Chloride	3.82	84	44649	4.693	ug/l	94
40) Benzene	7.45	78	50064	2.316	ug/l	93
52) Toluene	10.50	92	44390	3.365	ug/l	92
68) m/p-Xylenes	12.66	106	23652	3.015	ug/l	100
69) o-Xylene	13.04	106	15828	2.079	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	49866	4.685	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	93575	8.121	ug/l	99
95) Naphthalene	16.12	128	101327	25.833	ug/l	99

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

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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# 571

Delta R.T. 0.03 min

Lab File: VD061393.D

Acq: 28 Mar 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

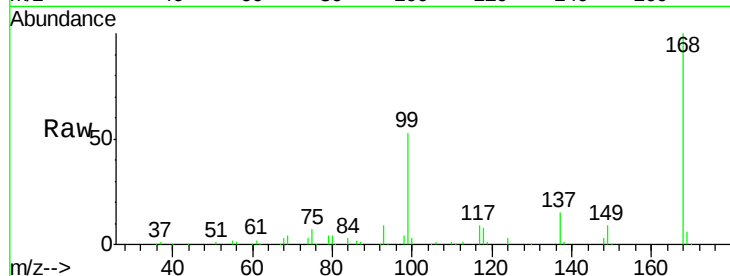
FK-SF-03-005-ARE

Tot Ion:168 Resp: 564204

Ion Ratio Lower Upper

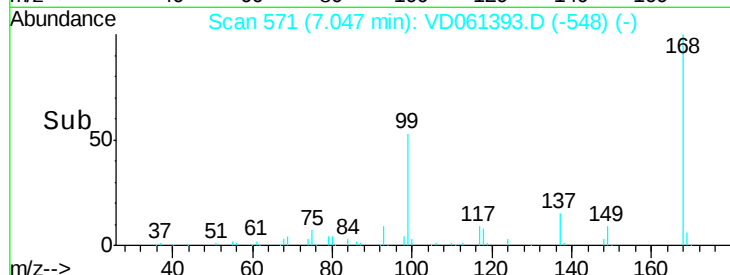
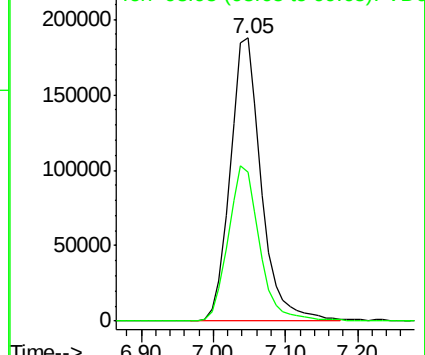
168 100

99 52.5 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: 74.883 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061393.D

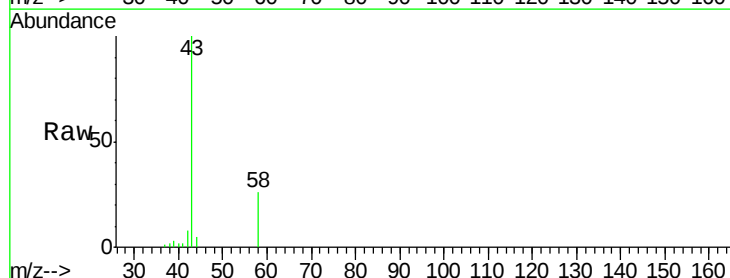
Acq: 28 Mar 2019 16:18

Tgt Ion: 43 Resp: 92778

Ion Ratio Lower Upper

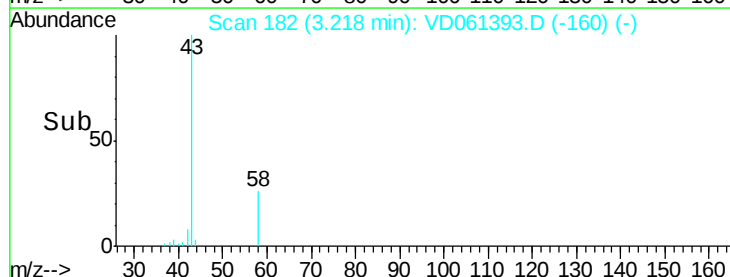
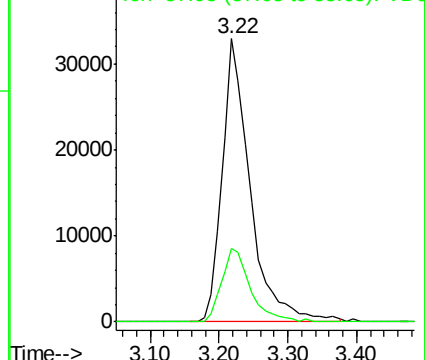
43 100

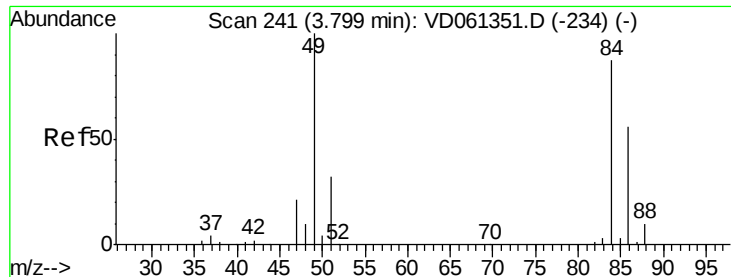
58 25.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

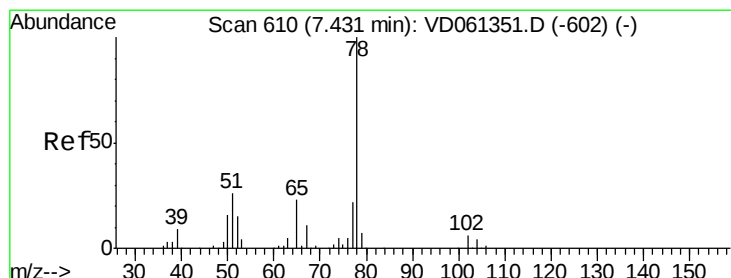
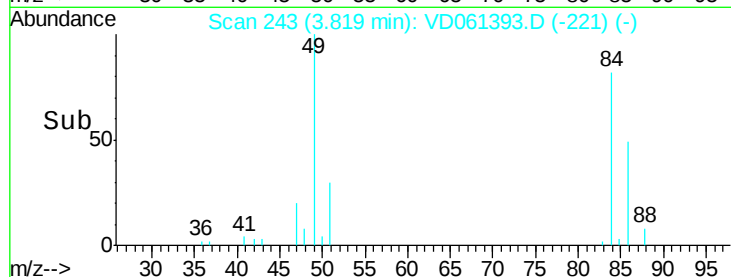
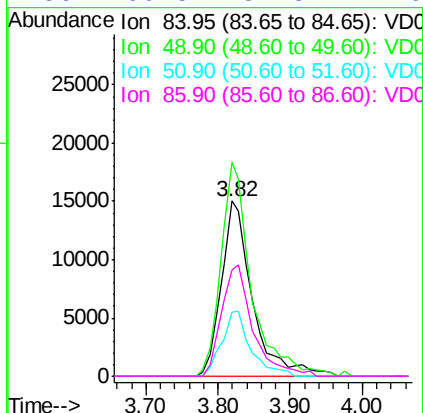
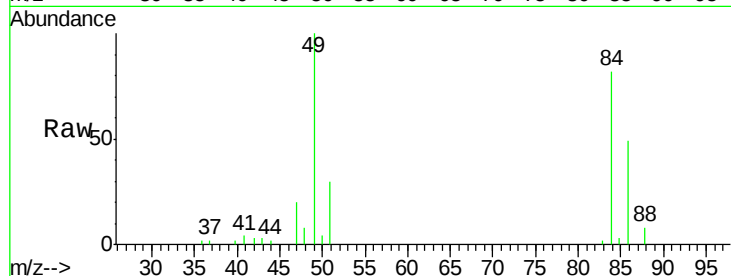




#20
Methylene Chloride
Concen: 4.693 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061393.D
Acq: 28 Mar 2019 16:18

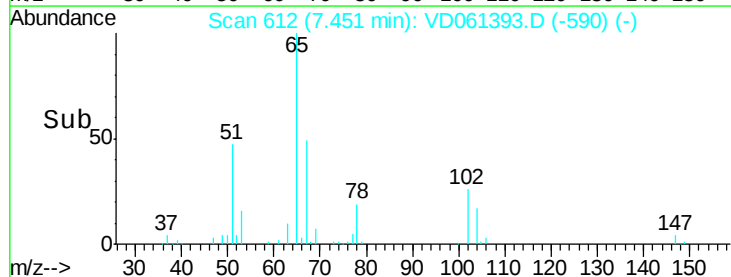
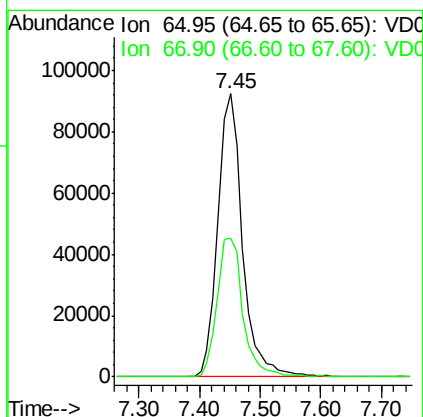
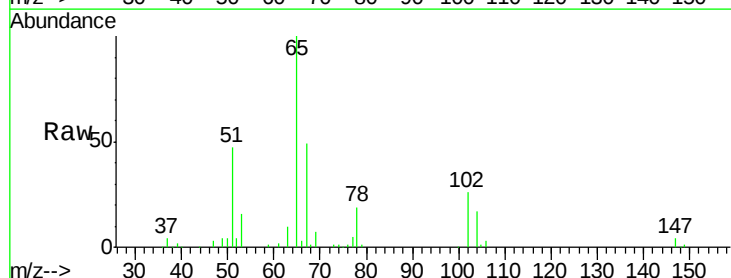
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-005-ARE

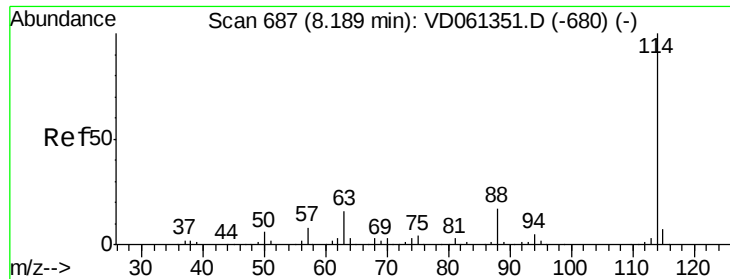
Tot Ion: 84 Resp: 44649
Ion Ratio Lower Upper
84 100
49 122.2 91.8 137.8
51 36.3 29.8 44.8
86 60.5 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD061393.D
Acq: 28 Mar 2019 16:18

Tgt Ion: 65 Resp: 261763
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.8

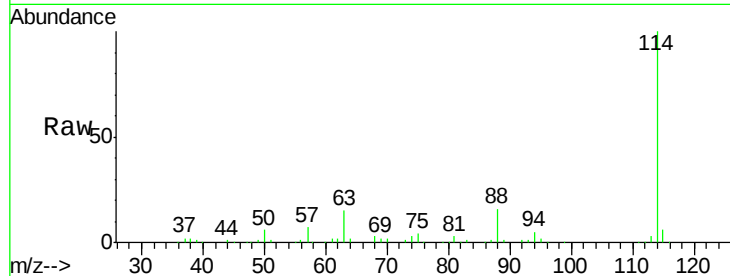




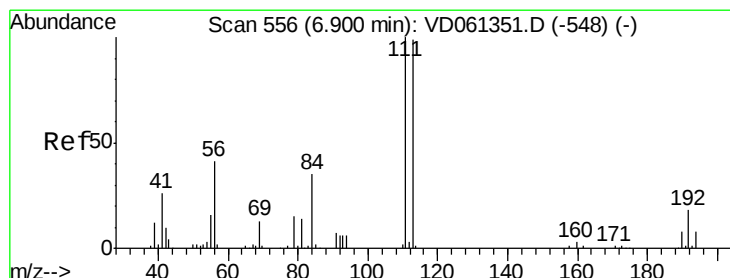
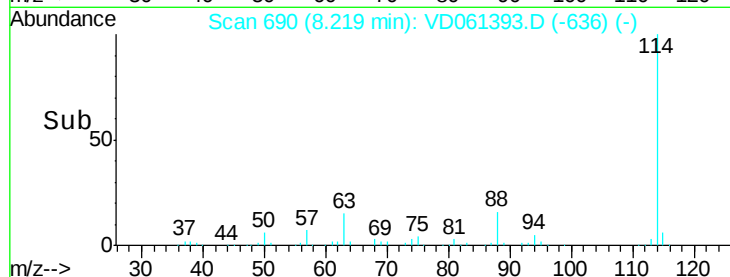
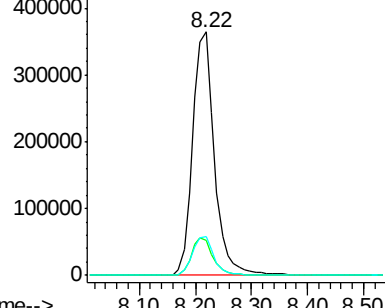
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061393.D
 Acq: 28 Mar 2019 16:18

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

Tot Ion:114 Resp: 987026
 Ion Ratio Lower Upper
 114 100
 63 14.6 0.0 31.6
 88 16.1 0.0 33.4

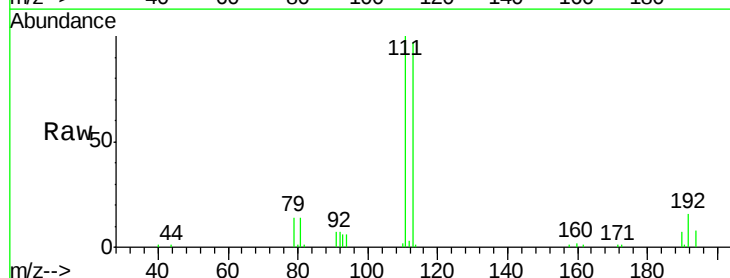


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

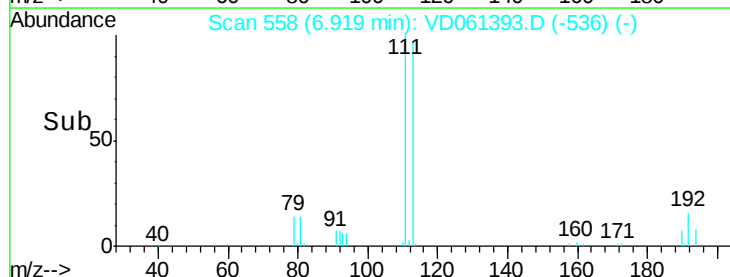
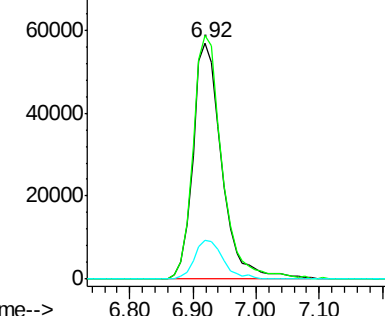


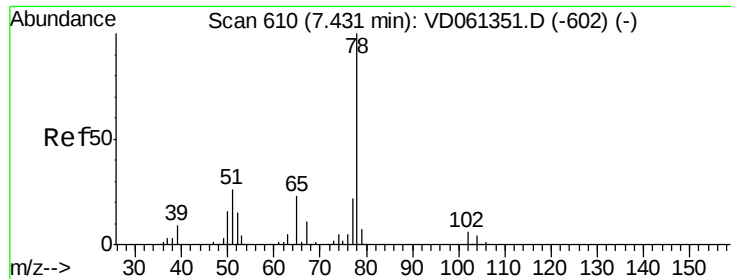
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD061393.D
 Acq: 28 Mar 2019 16:18

Tgt Ion:113 Resp: 180376
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.6
 192 16.2 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: 2.316 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061393.D

Acq: 28 Mar 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

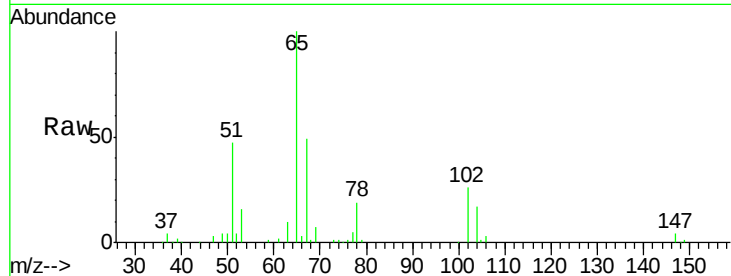
FK-SF-03-005-ARE

Tot Ion: 78 Resp: 50064

Ion Ratio Lower Upper

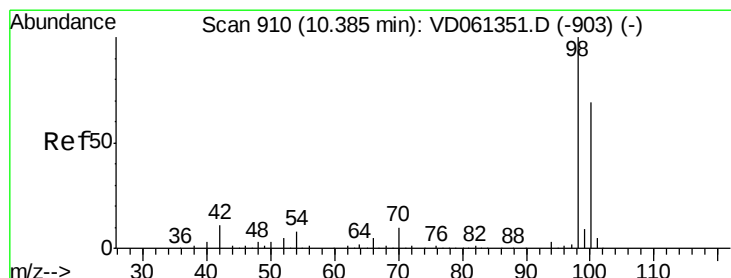
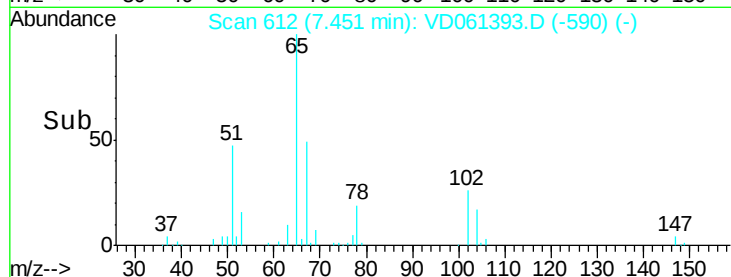
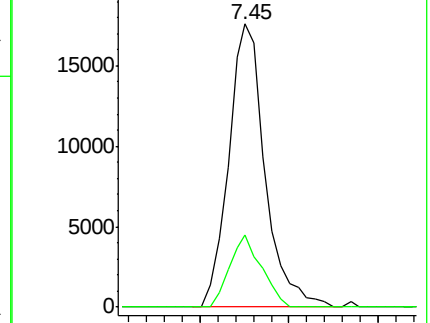
78 100

77 25.3 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. 0.02 min

Lab File: VD061393.D

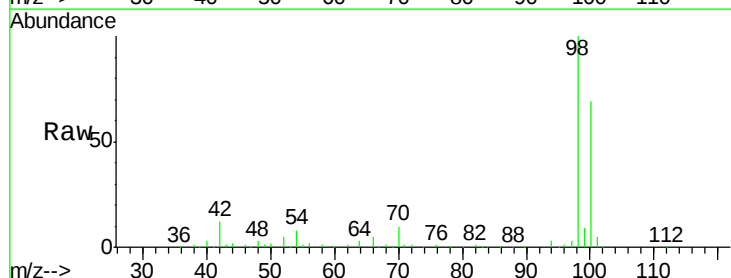
Acq: 28 Mar 2019 16:18

Tgt Ion: 98 Resp: 798966

Ion Ratio Lower Upper

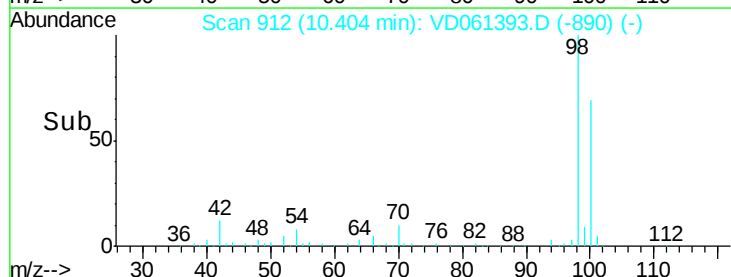
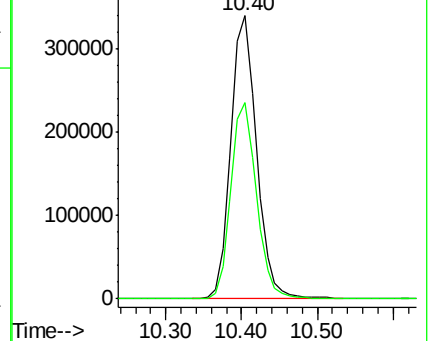
98 100

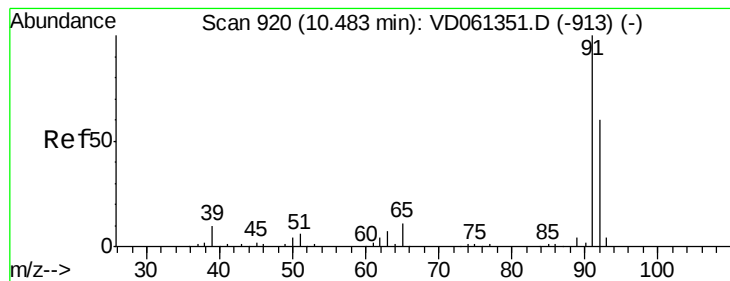
100 69.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 3.365 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.02 min

Lab File: VD061393.D

Acq: 28 Mar 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

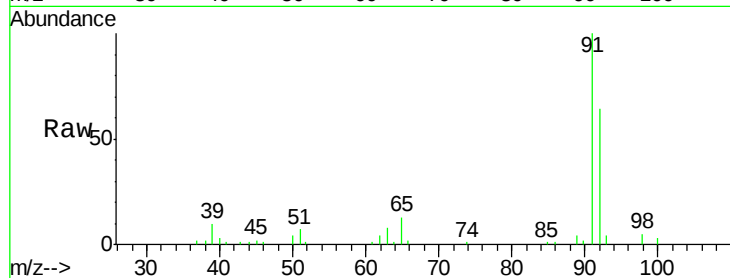
FK-SF-03-005-ARE

Tot Ion: 92 Resp: 44390

Ion Ratio Lower Upper

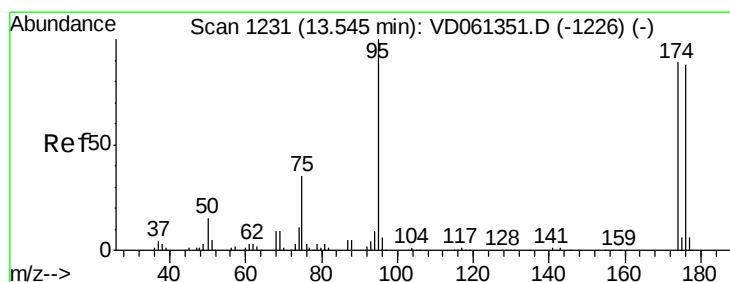
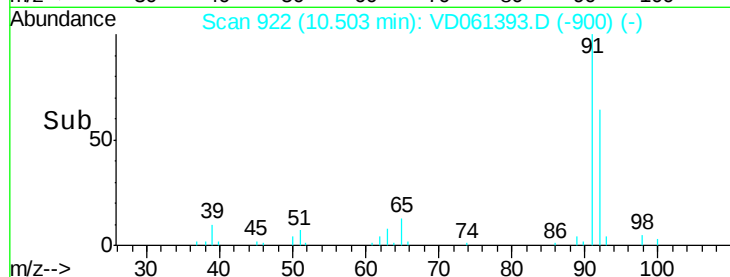
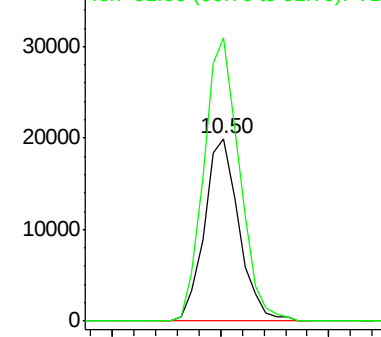
92 100

91 155.2 133.3 199.9



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. 0.01 min

Lab File: VD061393.D

Acq: 28 Mar 2019 16:18

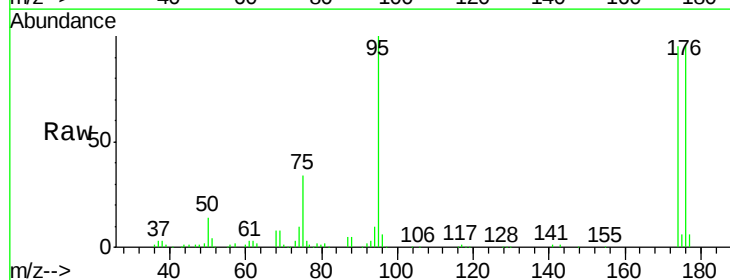
Tgt Ion: 95 Resp: 251948

Ion Ratio Lower Upper

95 100

174 94.8 0.0 178.0

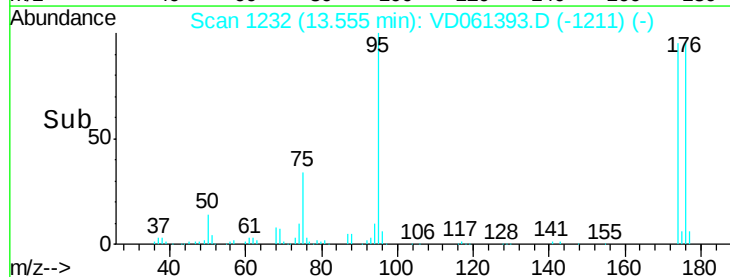
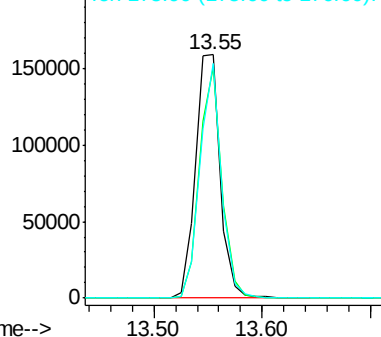
176 96.1 0.0 175.0

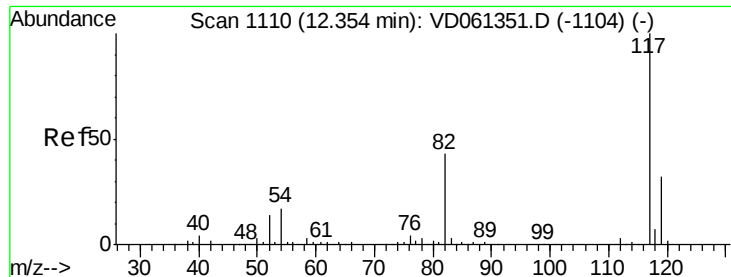


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

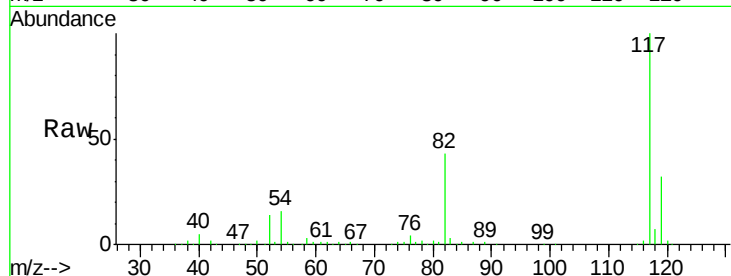




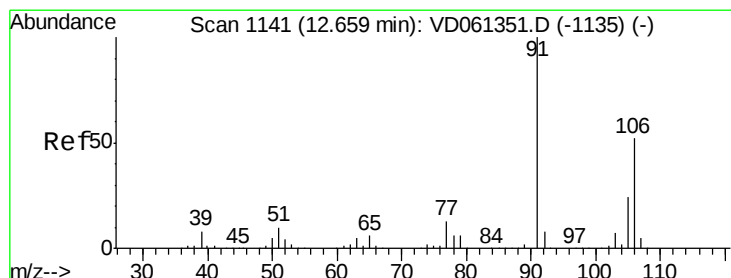
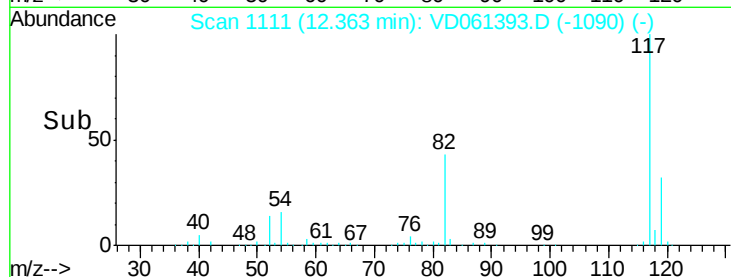
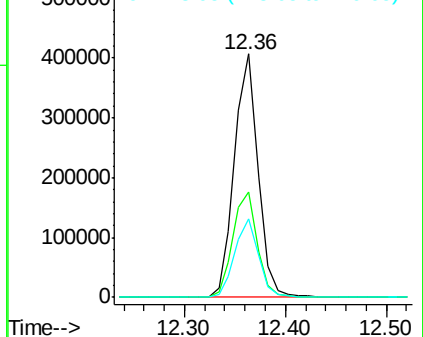
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061393.D
Acq: 28 Mar 2019 16:18

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

Tot Ion:117 Resp: 663941
Ion Ratio Lower Upper
117 100
82 43.4 34.4 51.6
119 32.5 25.8 38.6

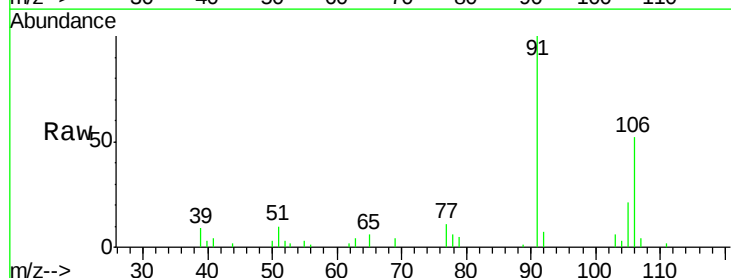


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

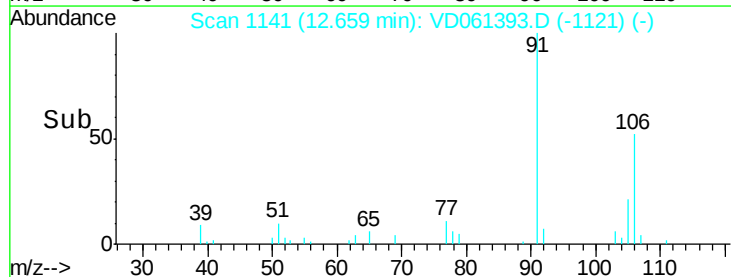
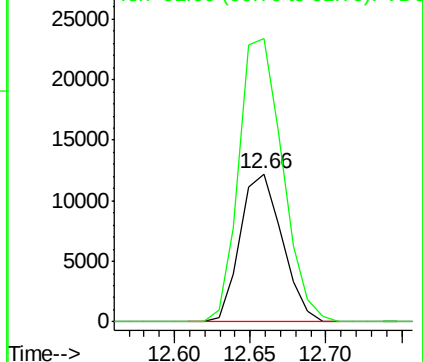


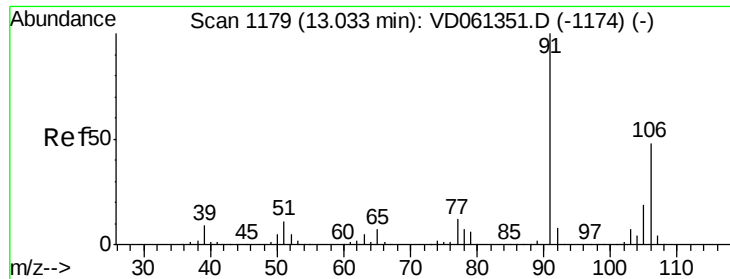
#68
m/p-Xylenes
Concen: 3.015 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061393.D
Acq: 28 Mar 2019 16:18

Tgt Ion:106 Resp: 23652
Ion Ratio Lower Upper
106 100
91 190.9 153.1 229.7



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

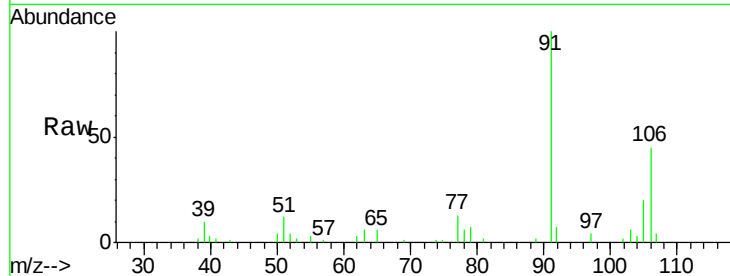




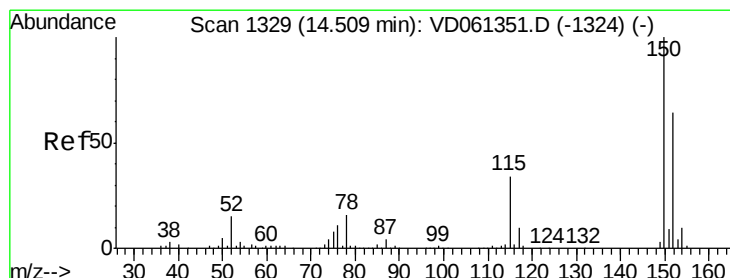
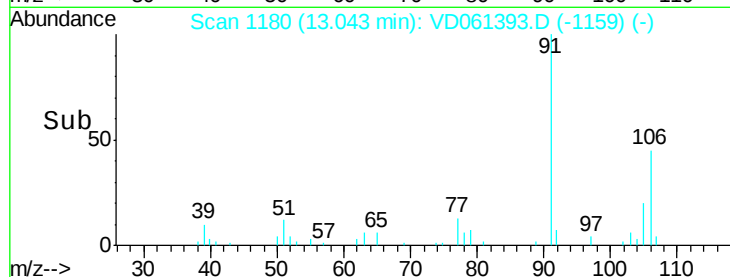
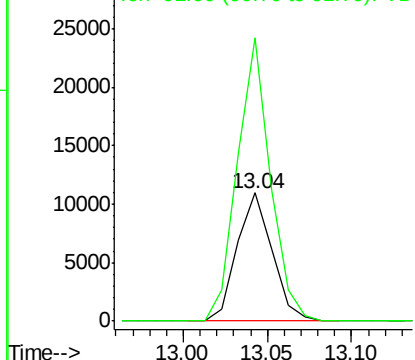
#69
o-Xylene
Concen: 2.079 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061393.D
Acq: 28 Mar 2019 16:18

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

Tot Ion:106 Resp: 15828
Ion Ratio Lower Upper
106 100
91 220.4 103.8 311.3

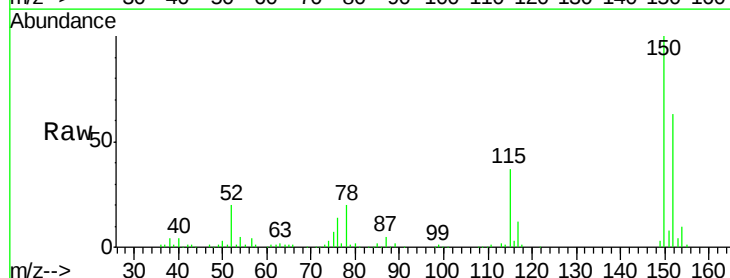


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

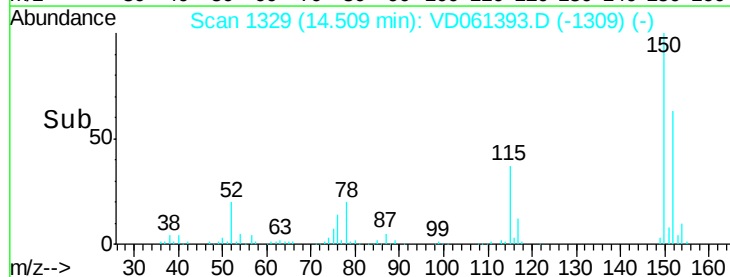
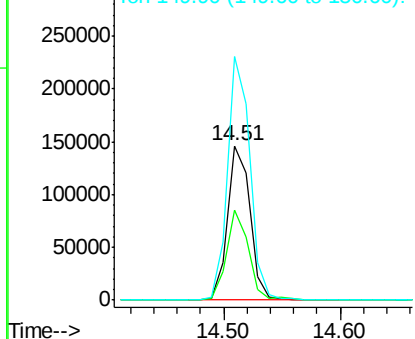


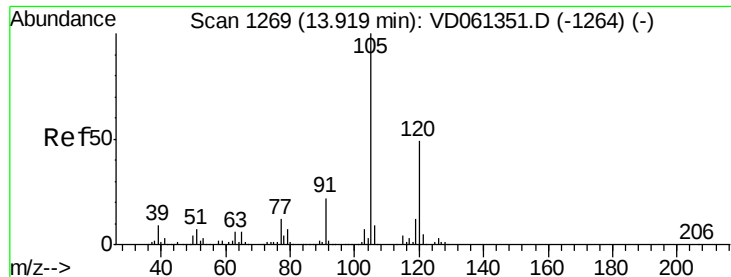
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061393.D
Acq: 28 Mar 2019 16:18

Tgt Ion:152 Resp: 197103
Ion Ratio Lower Upper
152 100
115 58.5 26.9 80.6
150 157.6 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

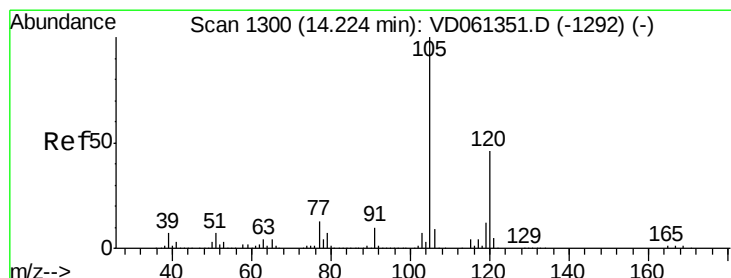
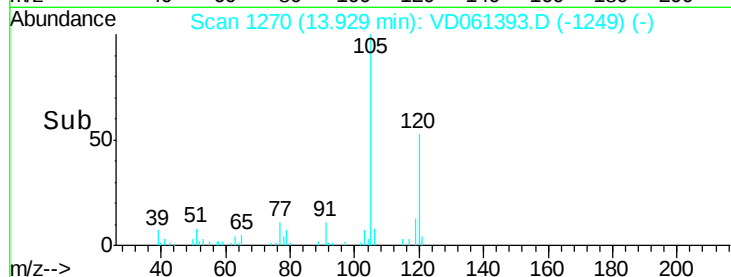
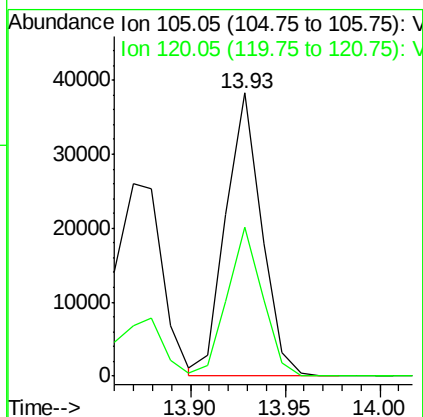
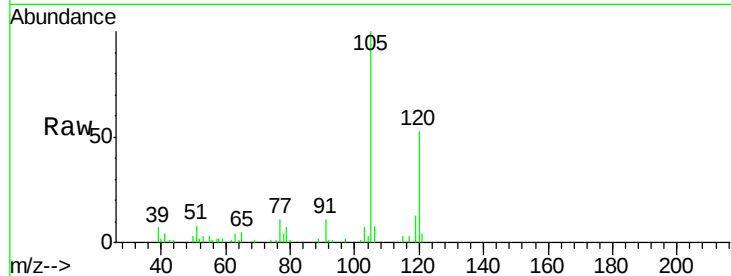




#80
 1,3,5-Trimethylbenzene
 Concen: 4.685 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD061393.D
 Acq: 28 Mar 2019 16:18

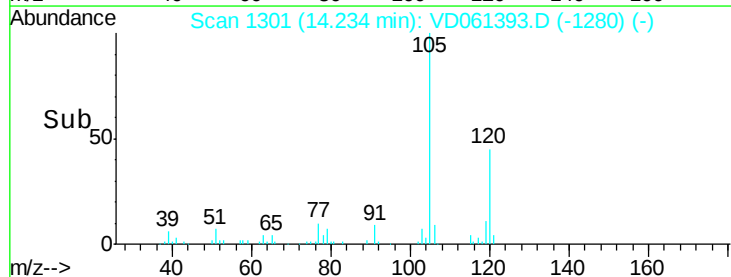
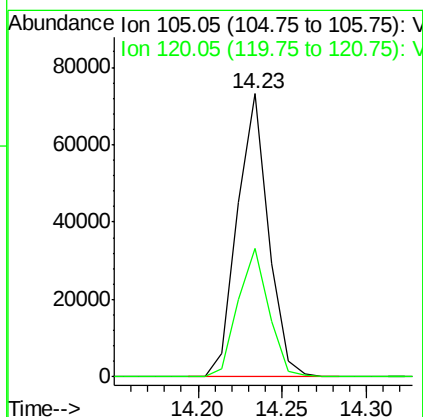
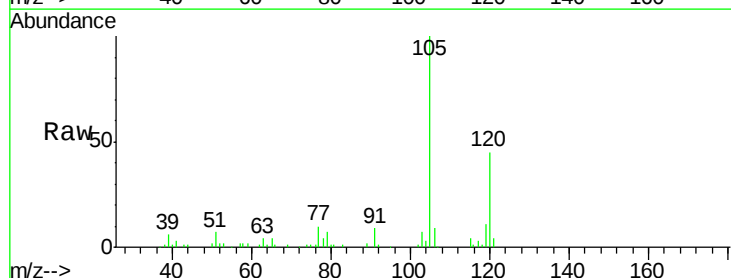
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-ARE

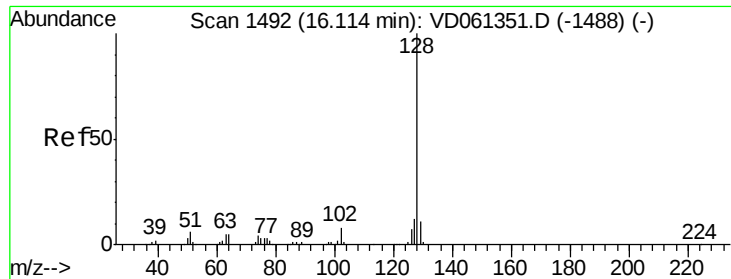
Tot Ion:105 Resp: 49866
 Ion Ratio Lower Upper
 105 100
 120 52.7 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 8.121 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD061393.D
 Acq: 28 Mar 2019 16:18

Tgt Ion:105 Resp: 93575
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.4





#95
Naphthalene
Concen: 25.833 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061393.D
Acq: 28 Mar 2019 16:18

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.9	14.9
129	10.5	8.9	13.3

