

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060816.D
 Acq On : 1 Feb 2019 13:46
 Operator : VA/AP
 Sample : K1011-13
 Misc : 4.79g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-013119-A

Quant Time: Feb 02 01:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	498947	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.94	114	712063	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	525170	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	210087	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	318345	41.62	ug/l	-0.04
Spiked Amount			Recovery	=	83.24%	
35) Dibromofluoromethane	6.64	113	254995	37.34	ug/l	-0.03
Spiked Amount			Recovery	=	74.68%	
50) Toluene-d8	10.16	98	499113	31.30	ug/l	-0.03
Spiked Amount			Recovery	=	62.60%	
62) 4-Bromofluorobenzene	13.34	95	224269	27.98	ug/l	-0.02
Spiked Amount			Recovery	=	55.96%	

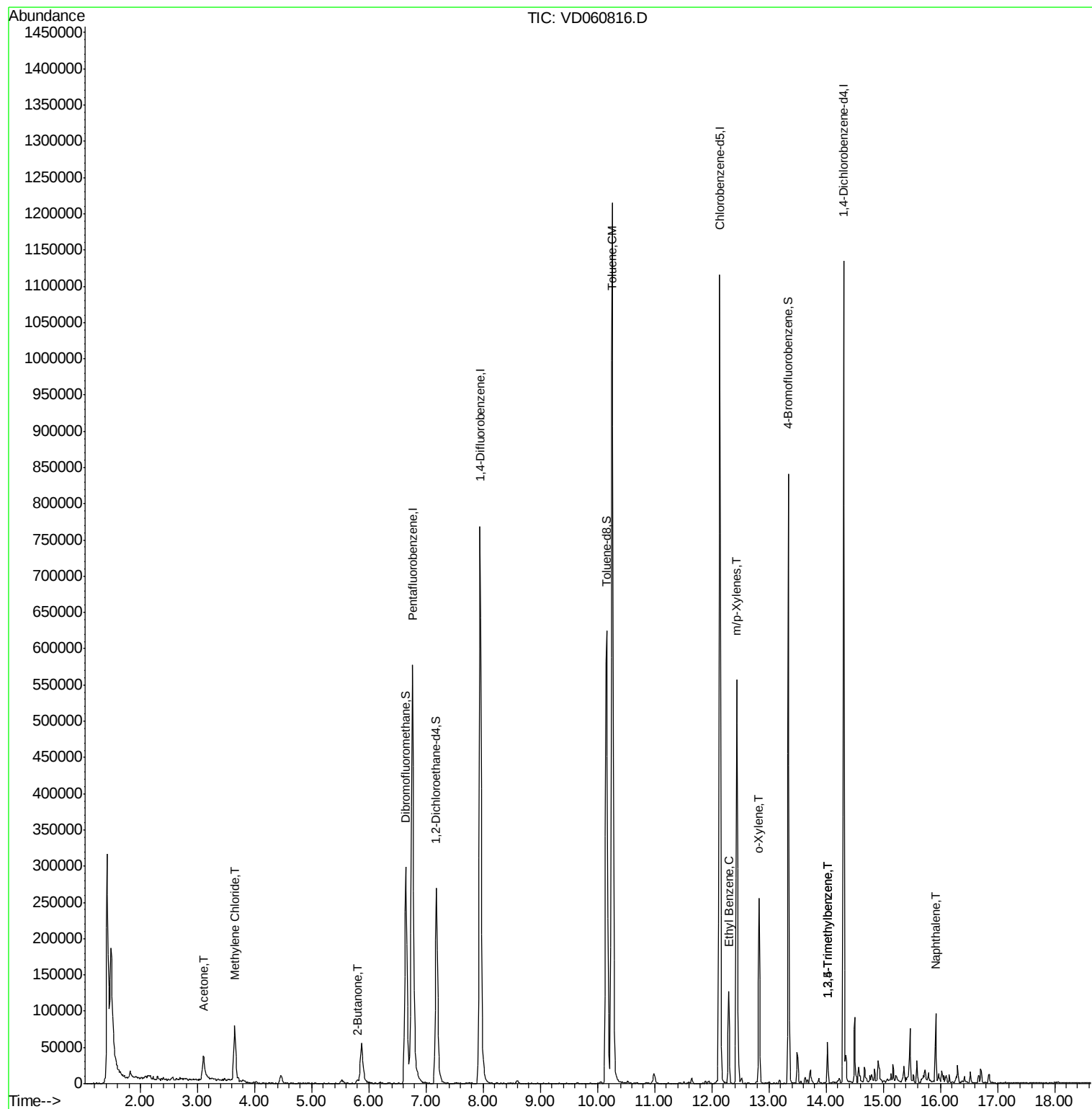
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.10	43	78666	71.203	ug/l	95
20) Methylene Chloride	3.65	84	39642	3.853	ug/l #	94
25) 2-Butanone	5.80	43	10086	7.132	ug/l	94
52) Toluene	10.26	92	579688	54.462	ug/l	100
67) Ethyl Benzene	12.30	91	78708	3.647	ug/l	92
68) m/p-Xylenes	12.43	106	144591	20.594	ug/l	94
69) o-Xylene	12.83	106	46563	6.701	ug/l	86
80) 1,3,5-Trimethylbenzene	14.03	105	24491	1.698	ug/l	94
84) 1,2,4-Trimethylbenzene	14.03	105	24491	1.698	ug/l	94
95) Naphthalene	15.92	128	46450	5.462	ug/l	96

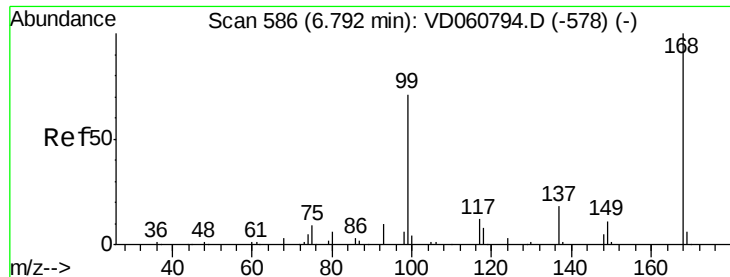
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020119\
Data File : VD060816.D
Acq On : 1 Feb 2019 13:46
Operator : VA/AP
Sample : K1011-13
Misc : 4.79g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OR-02-013119-A

Quant Time: Feb 02 01:13:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 29 13:53:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060816.D

Acq: 1 Feb 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

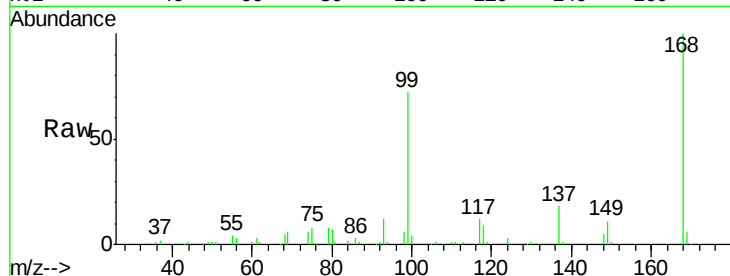
OR-02-013119-A

Tot Ion:168 Resp: 498947

Ion Ratio Lower Upper

168 100

99 71.6 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.76

150000

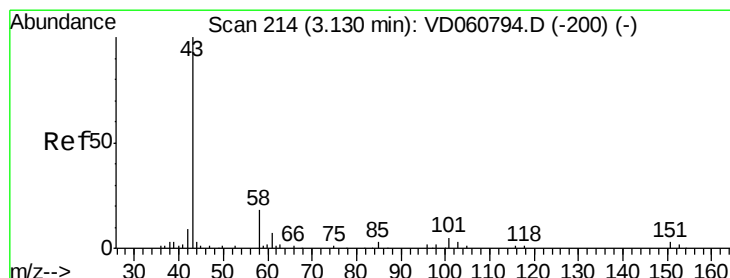
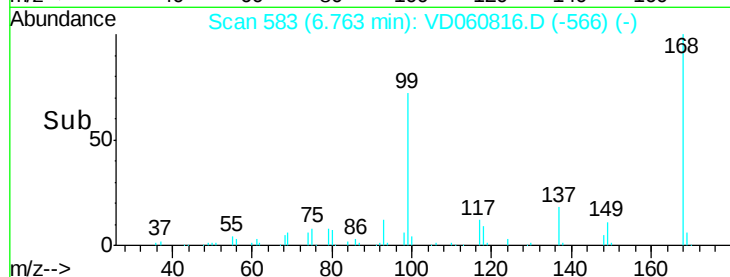
100000

50000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#16

Acetone

Concen: 71.203 ug/l

RT: 3.10 min Scan# 211

Delta R.T. -0.03 min

Lab File: VD060816.D

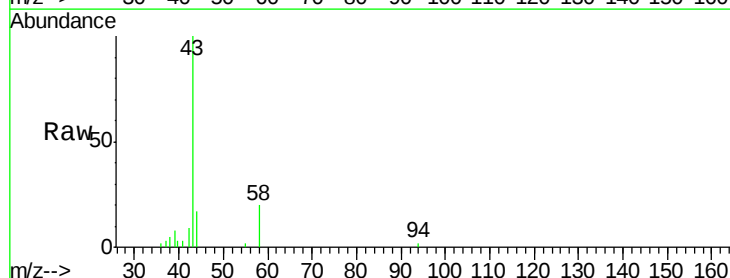
Acq: 1 Feb 2019 13:46

Tgt Ion: 43 Resp: 78666

Ion Ratio Lower Upper

43 100

58 20.1 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.10

25000

20000

15000

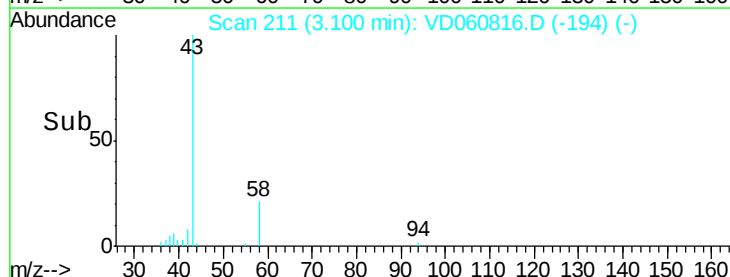
10000

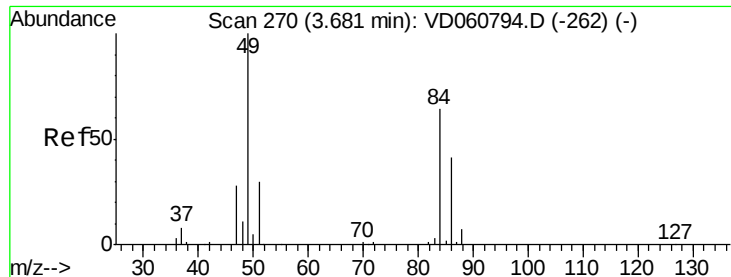
5000

0

3.00 3.10 3.20 3.30

Time-->

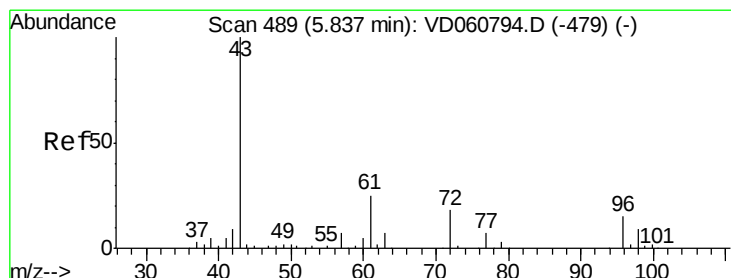
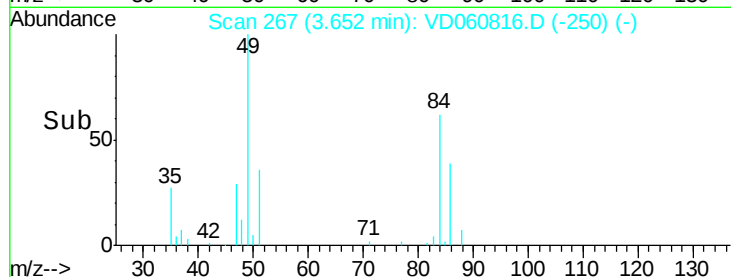
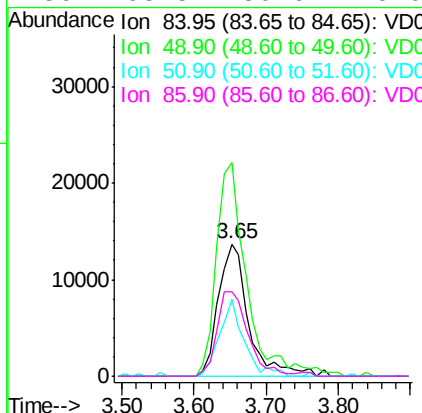
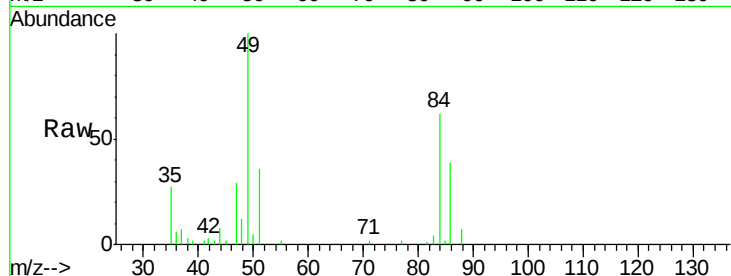




#20
Methvlene Chloride
Concen: 3.853 ug/l
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060816.D
Acq: 1 Feb 2019 13:46

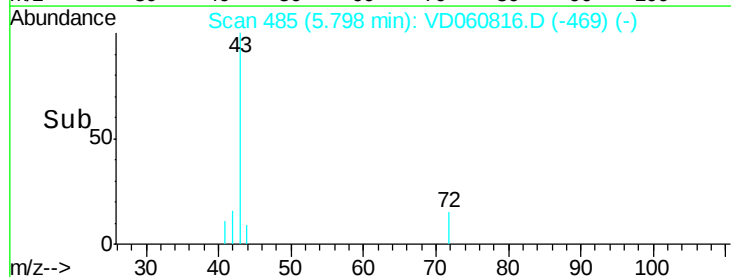
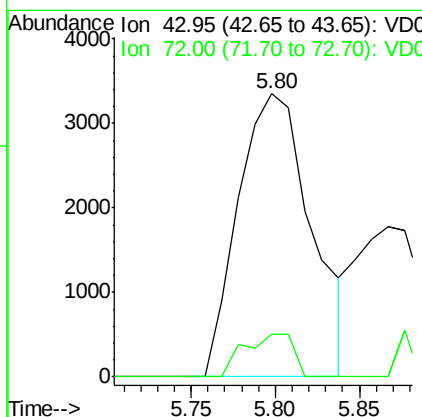
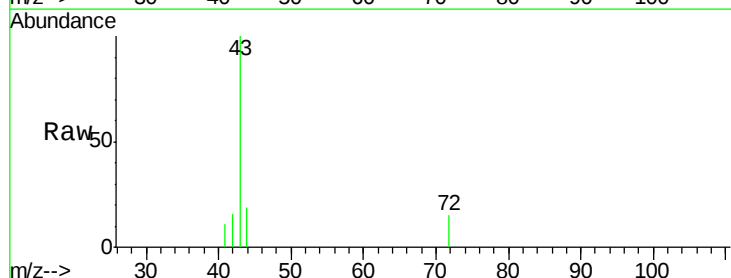
Instrument :
MSVOA_D
ClientSampleId :
OR-02-013119-A

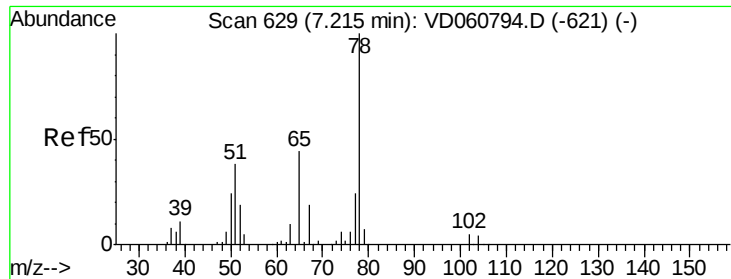
Tot Ion: 84 Resp: 39642
Ion Ratio Lower Upper
84 100
49 161.4 124.2 186.2
51 58.4 38.1 57.1#
86 63.5 50.6 76.0



#25
2-Butanone
Concen: 7.132 ug/l
RT: 5.80 min Scan# 485
Delta R.T. -0.04 min
Lab File: VD060816.D
Acq: 1 Feb 2019 13:46

Tgt Ion: 43 Resp: 10086
Ion Ratio Lower Upper
43 100
72 15.2 14.4 21.6





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.18 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD060816.D

Acq: 1 Feb 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

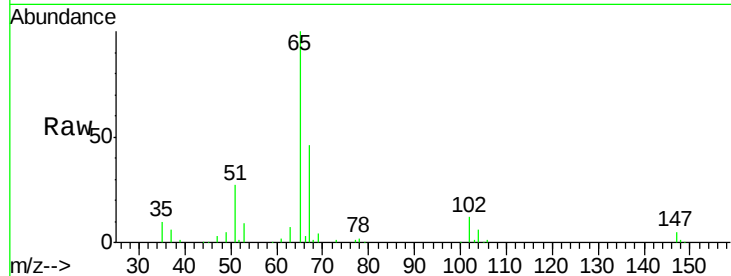
OR-02-013119-A

Tot Ion: 65 Resp: 318345

Ion Ratio Lower Upper

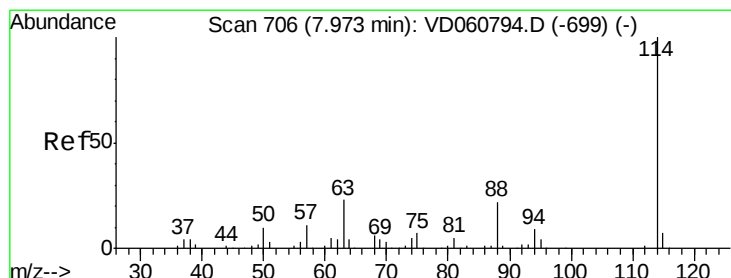
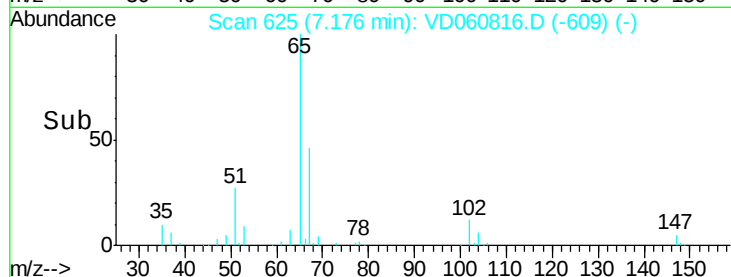
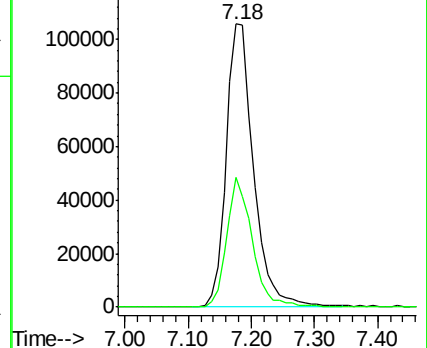
65 100

67 45.8 0.0 85.8



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: 7.94 min Scan# 703

Delta R.T. -0.03 min

Lab File: VD060816.D

Acq: 1 Feb 2019 13:46

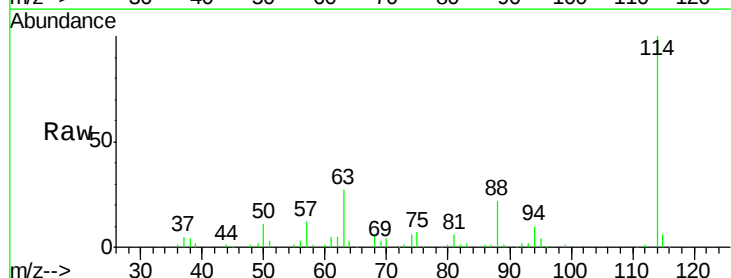
Tgt Ion: 114 Resp: 712063

Ion Ratio Lower Upper

114 100

63 26.6 0.0 46.6

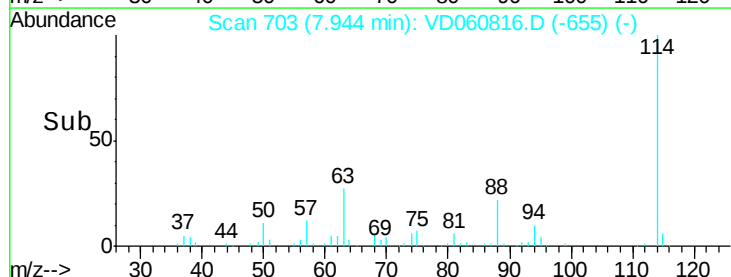
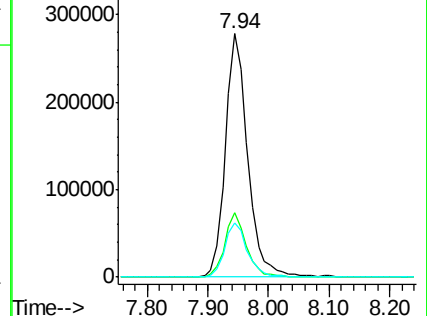
88 22.4 0.0 44.0

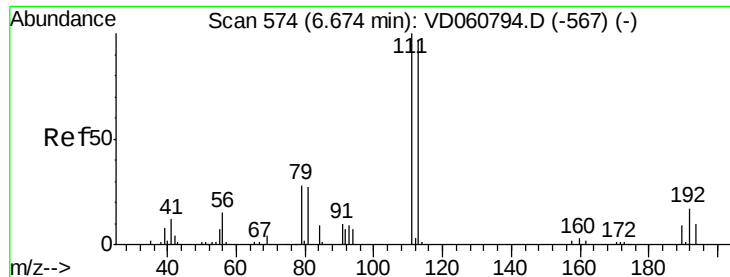


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.64 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060816.D

Acq: 1 Feb 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

OR-02-013119-A

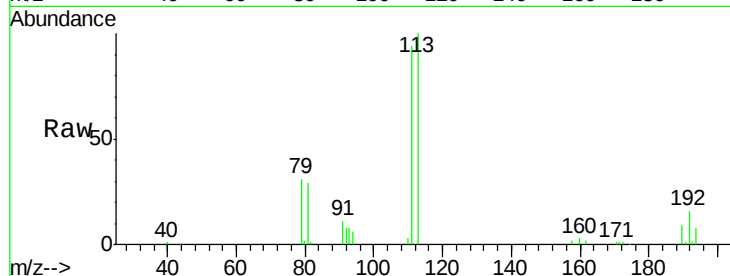
Tot Ion:113 Resp: 254995

Ion Ratio Lower Upper

113 100

111 94.4 82.3 123.5

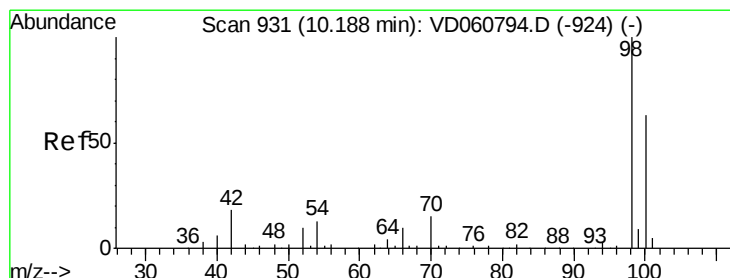
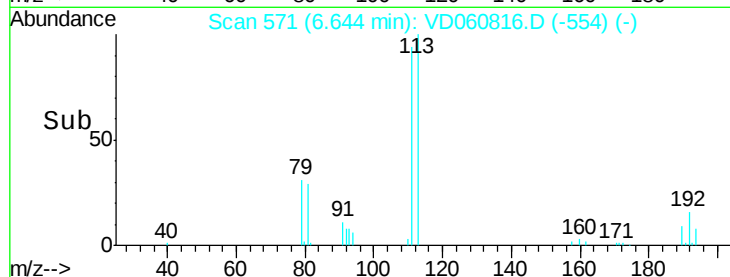
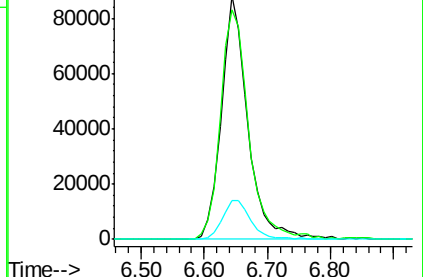
192 16.1 14.4 21.6



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.16 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD060816.D

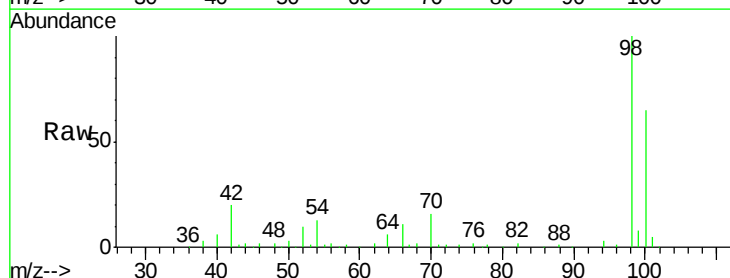
Acq: 1 Feb 2019 13:46

Tgt Ion: 98 Resp: 499113

Ion Ratio Lower Upper

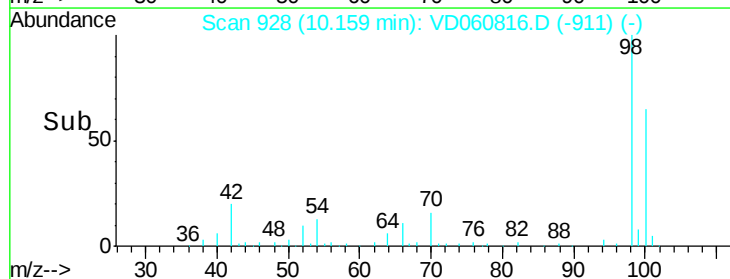
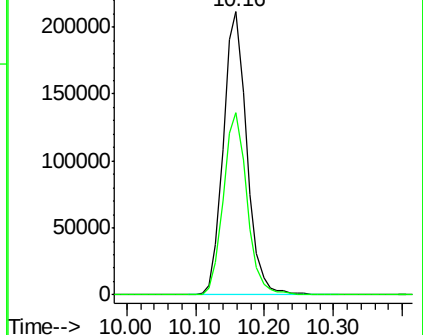
98 100

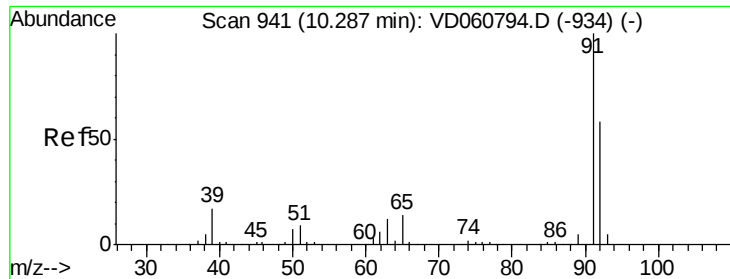
100 64.6 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 54.462 ug/l

RT: 10.26 min Scan# 938

Delta R.T. -0.03 min

Lab File: VD060816.D

Acq: 1 Feb 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

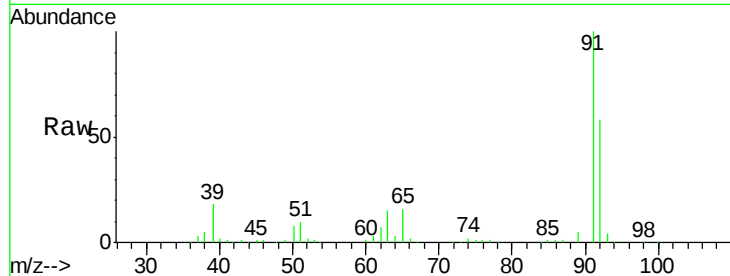
OR-02-013119-A

Tot Ion: 92 Resp: 579688

Ion Ratio Lower Upper

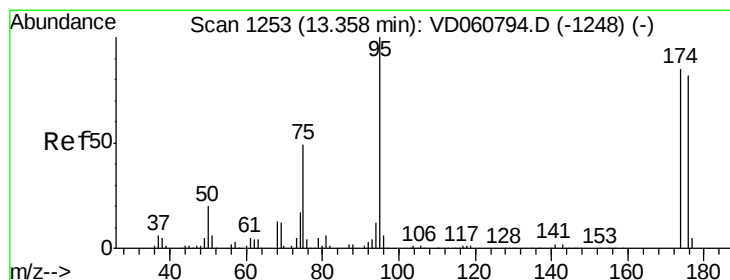
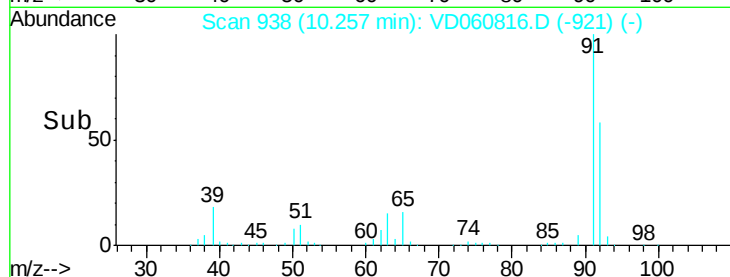
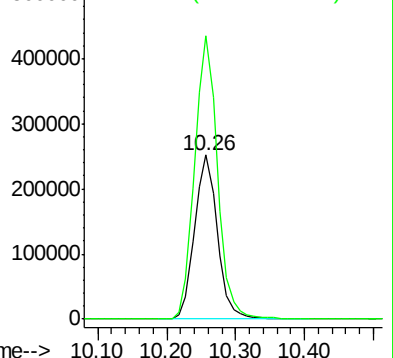
92 100

91 172.3 137.7 206.5



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: 13.34 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD060816.D

Acq: 1 Feb 2019 13:46

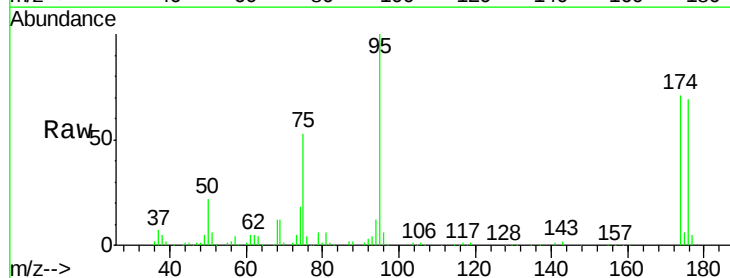
Tgt Ion: 95 Resp: 224269

Ion Ratio Lower Upper

95 100

174 71.0 0.0 169.6

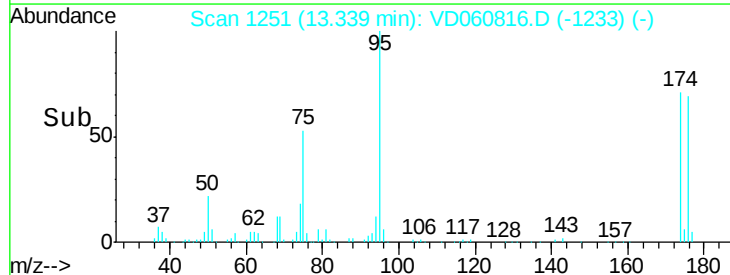
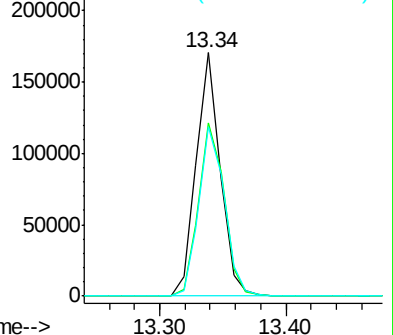
176 69.3 0.0 163.8

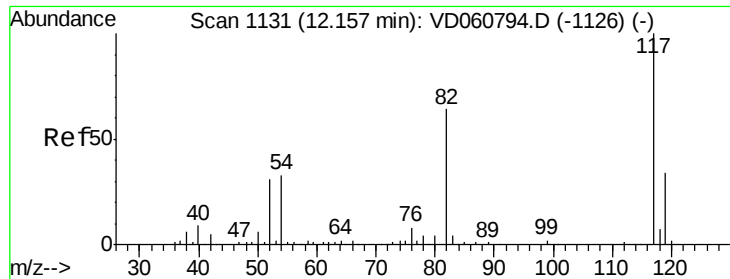


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

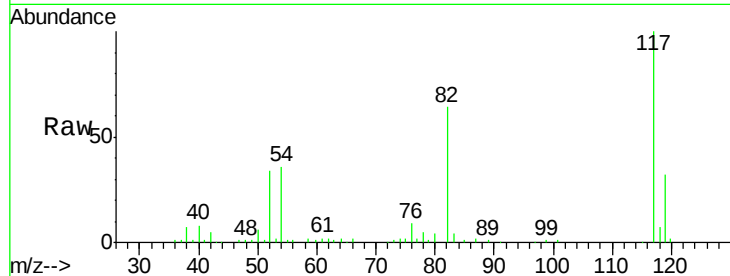




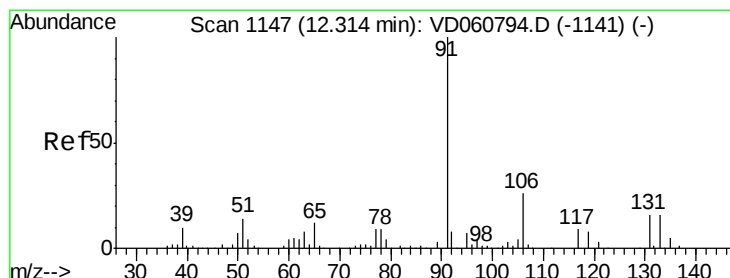
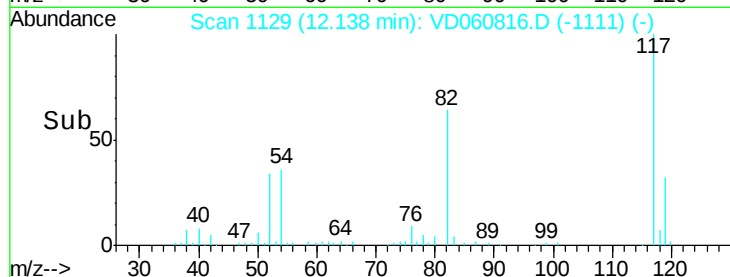
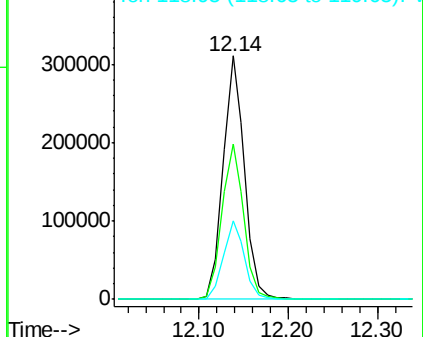
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060816.D
Acq: 1 Feb 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
OR-02-013119-A

Tot Ion:117 Resp: 525170
Ion Ratio Lower Upper
117 100
82 64.0 51.5 77.3
119 32.1 27.1 40.7

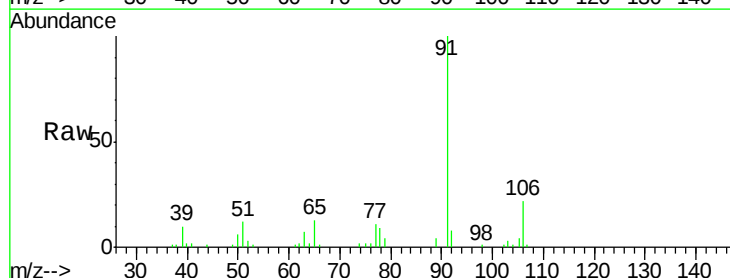


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

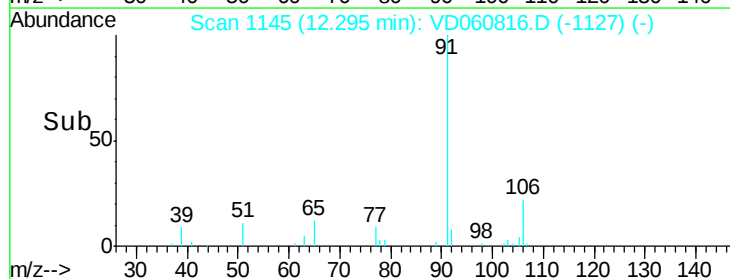
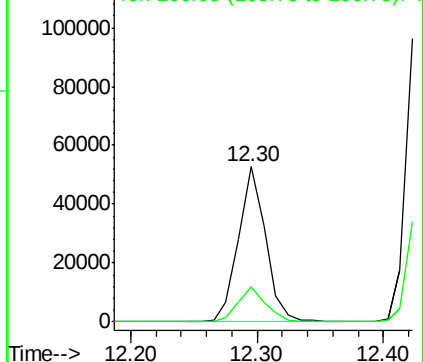


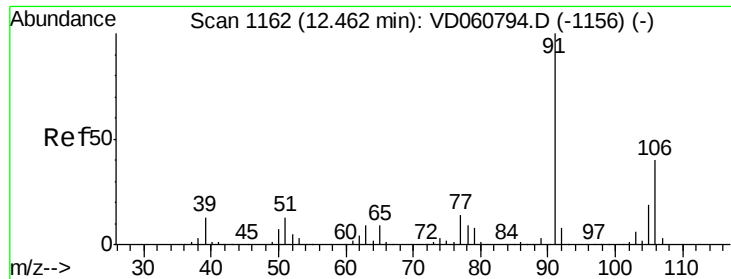
#67
Ethyl Benzene
Concen: 3.647 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.02 min
Lab File: VD060816.D
Acq: 1 Feb 2019 13:46

Tgt Ion: 91 Resp: 78708
Ion Ratio Lower Upper
91 100
106 22.2 21.0 31.6



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

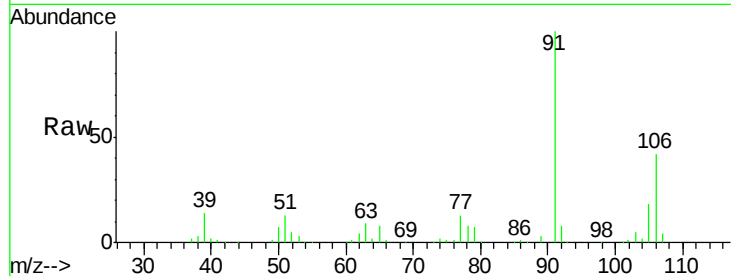




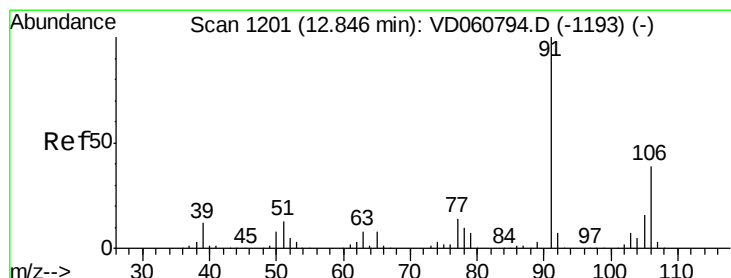
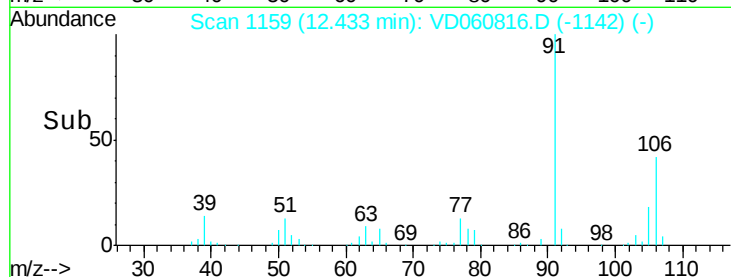
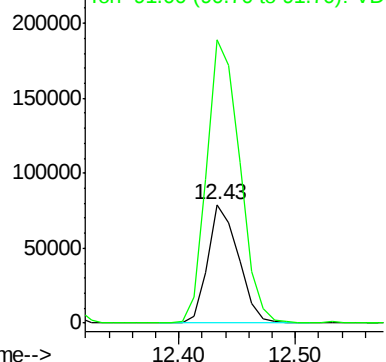
#68
m/p-Xylenes
Concen: 20.594 ug/l
RT: 12.43 min Scan# 1159
Delta R.T. -0.03 min
Lab File: VD060816.D
Acq: 1 Feb 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
OR-02-013119-A

Tot Ion:106 Resp: 144591
Ion Ratio Lower Upper
106 100
91 239.4 200.5 300.7

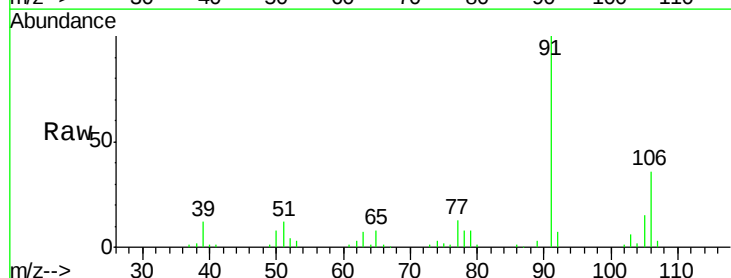


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

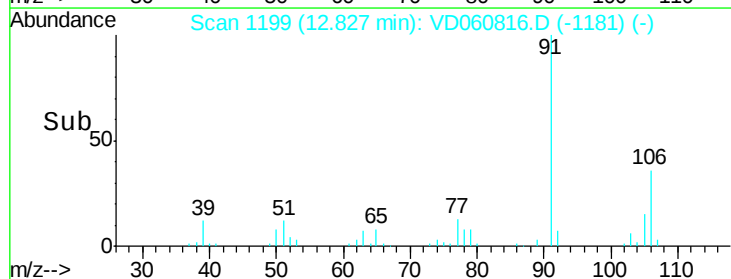
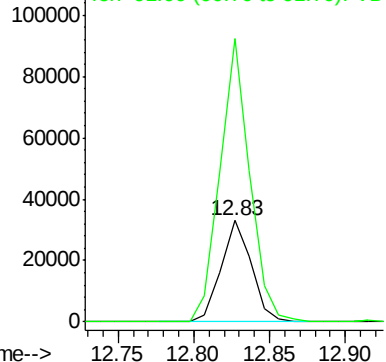


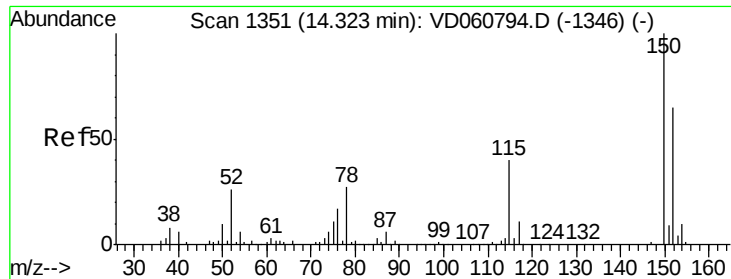
#69
o-Xylene
Concen: 6.701 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060816.D
Acq: 1 Feb 2019 13:46

Tgt Ion:106 Resp: 46563
Ion Ratio Lower Upper
106 100
91 279.2 127.6 382.7



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: 14.30 min Scan# 1349

Delta R.T. -0.02 min

Lab File: VD060816.D

Acq: 1 Feb 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

OR-02-013119-A

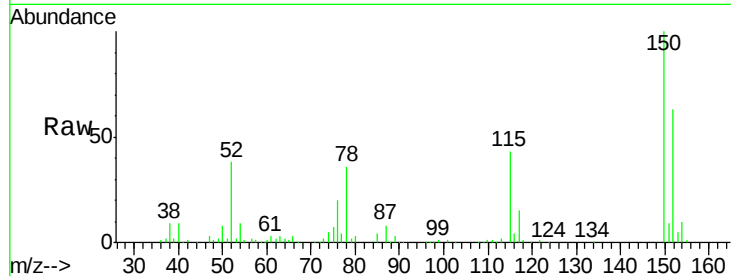
Tot Ion:152 Resp: 210087

Ion Ratio Lower Upper

152 100

115 67.8 31.6 95.0

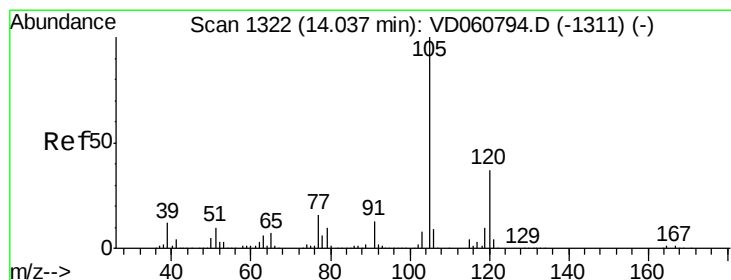
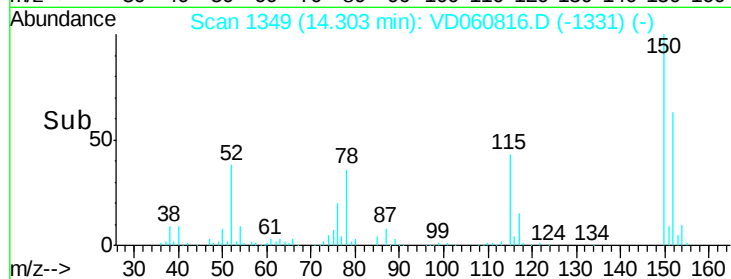
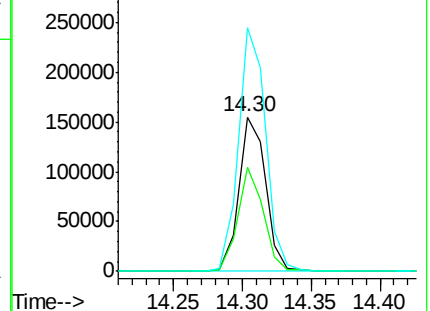
150 157.9 0.0 317.6



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: 1.698 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060816.D

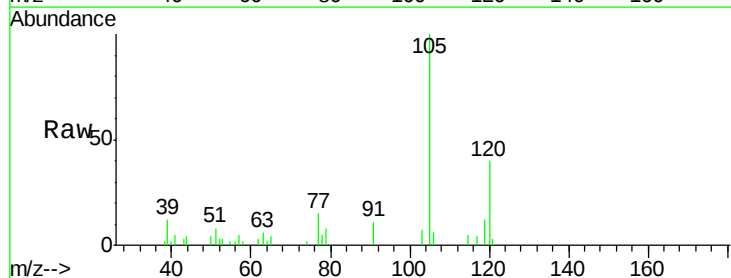
Acq: 1 Feb 2019 13:46

Tgt Ion:105 Resp: 24491

Ion Ratio Lower Upper

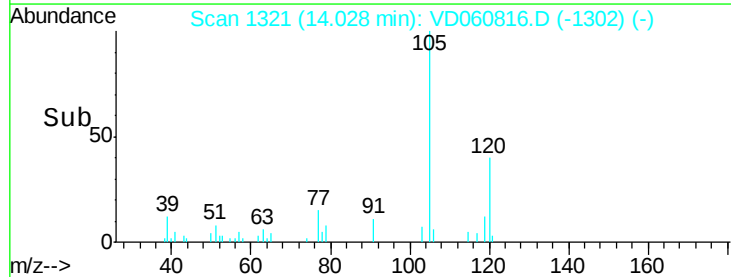
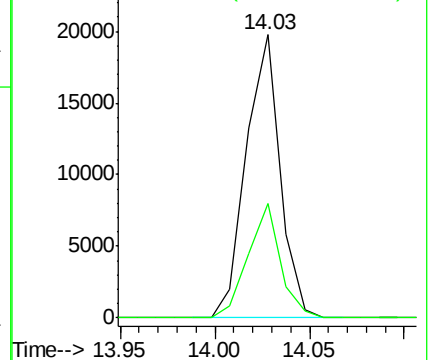
105 100

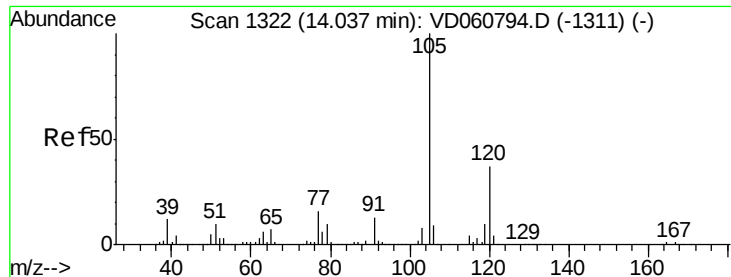
120 40.3 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

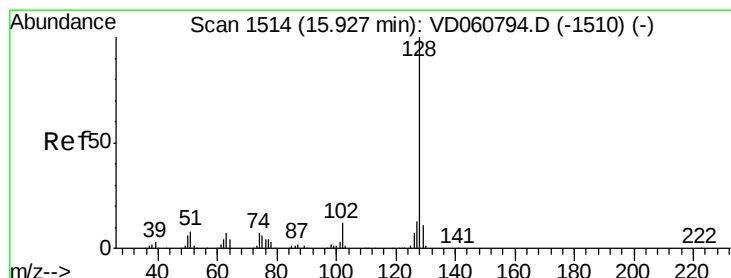
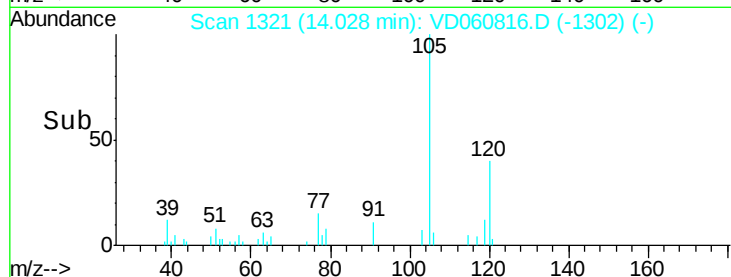
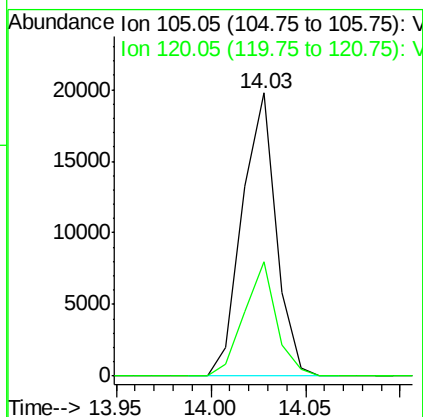
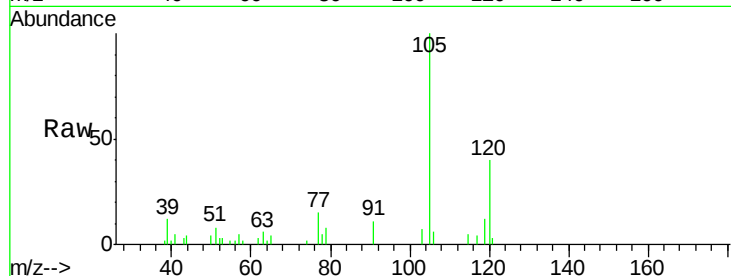




#84
 1,2,4-Trimethylbenzene
 Concen: 1.698 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VD060816.D
 Acq: 1 Feb 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-013119-A

Tot Ion:105 Resp: 24491
 Ion Ratio Lower Upper
 105 100
 120 40.3 18.4 55.2



#95
 Naphthalene
 Concen: 5.462 ug/l
 RT: 15.92 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: VD060816.D
 Acq: 1 Feb 2019 13:46

Tgt Ion:128 Resp: 46450
 Ion Ratio Lower Upper
 128 100
 127 14.9 10.4 15.6
 129 11.8 8.7 13.1

