

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031919\
 Data File : VD061179.D
 Acq On : 19 Mar 2019 12:32
 Operator : VA/AP
 Sample : K1970-06RE
 Misc : 3.14g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-6-SOUTH-WALLRE

Quant Time: Mar 19 13:58:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	3908	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	7339	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	6434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	2433	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	1503	46.20	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	92.40%	
35) Dibromofluoromethane	6.89	113	1962	36.02	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	72.04%	
50) Toluene-d8	10.39	98	6062	44.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.64%	
62) 4-Bromofluorobenzene	13.54	95	2028	38.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.42%	

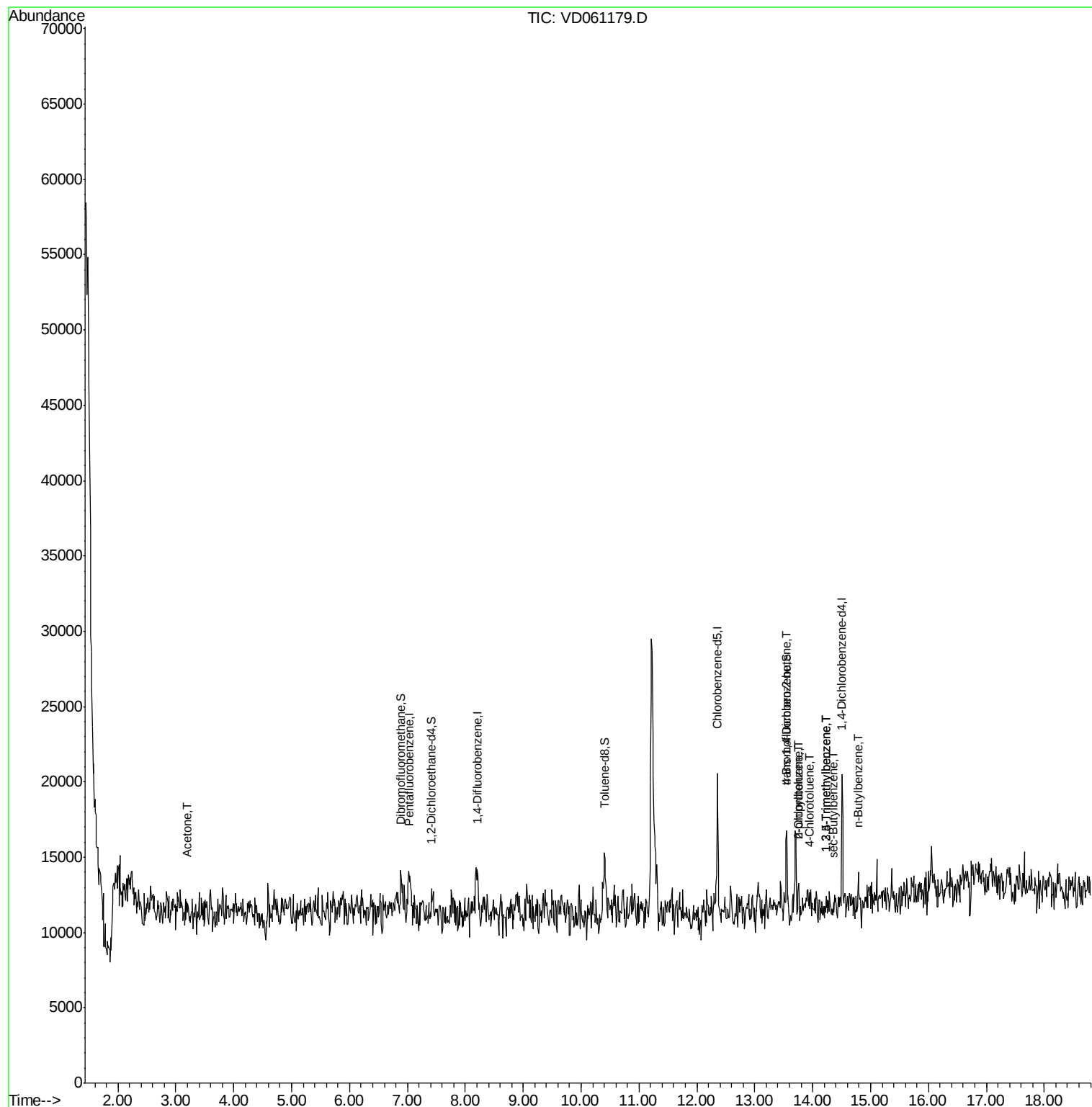
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.19	43	191	20.533	ug/l #	48
78) n-propylbenzene	13.77	91	414	2.017	ug/l #	54
79) 2-Chlorotoluene	13.77	91	414	3.663	ug/l #	38
80) 1,3,5-Trimethylbenzene	14.23	105	195	1.465	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.54	75	657	63.665	ug/l #	17
82) 4-Chlorotoluene	13.94	91	188	1.407	ug/l #	39
84) 1,2,4-Trimethylbenzene	14.23	105	195	1.465	ug/l #	31
85) sec-Butylbenzene	14.36	105	248	1.394	ug/l #	58
89) n-Butylbenzene	14.79	91	243	1.741	ug/l #	29

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031919\
Data File : VD061179.D
Acq On : 19 Mar 2019 12:32
Operator : VA/AP
Sample : K1970-06RE
Misc : 3.14g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-6-SOUTH-WALLRE

Quant Time: Mar 19 13:58:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

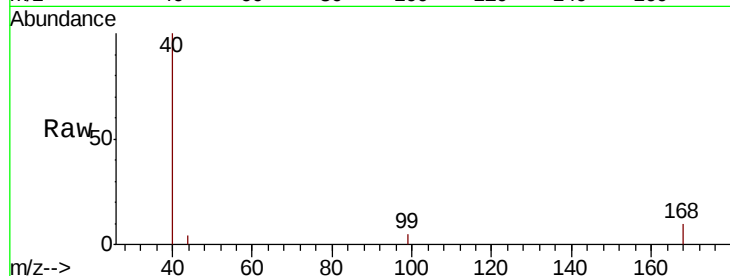
P-6-SOUTH-WALLRE

Tgt Ion:168 Resp: 3908

Ion Ratio Lower Upper

168 100

99 53.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

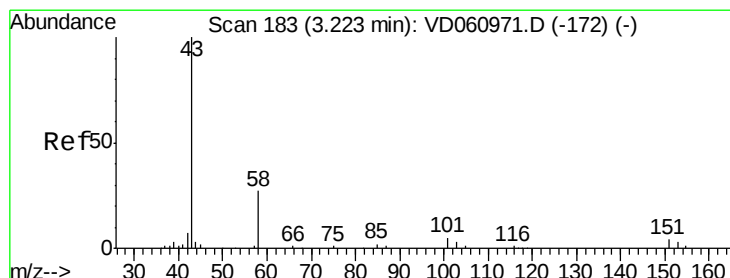
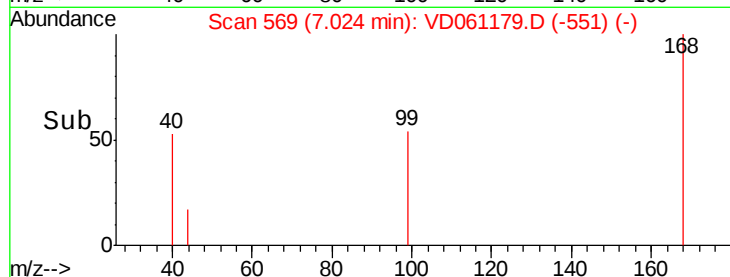
1000

500

0

6.95 7.00 7.05 7.10

Time-->



#16

Acetone

Concen: 20.533 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD061179.D

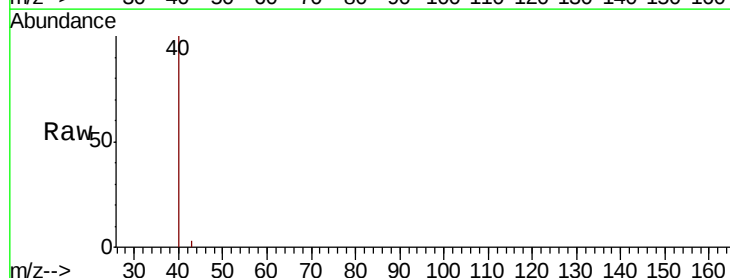
Acq: 19 Mar 2019 12:32

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.19

300

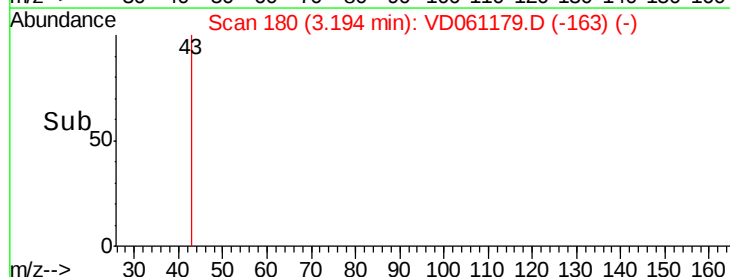
200

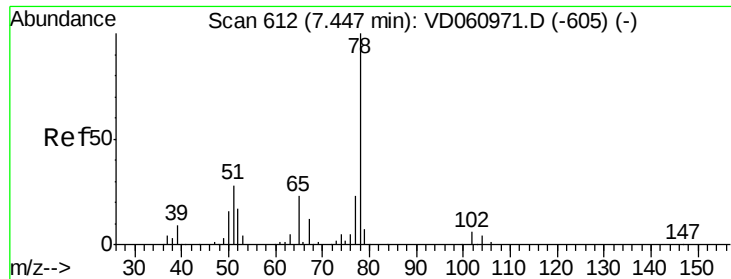
100

0

3.16 3.18 3.20 3.22

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

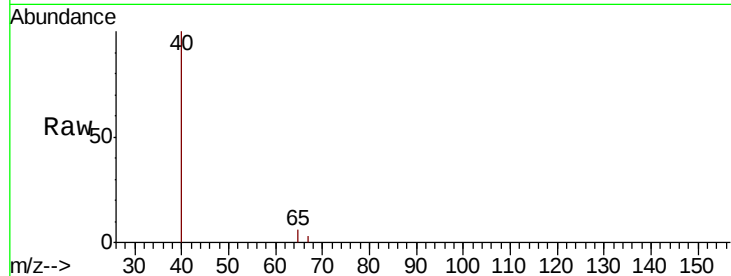
P-6-SOUTH-WALLRE

Tgt Ion: 65 Resp: 1503

Ion Ratio Lower Upper

65 100

67 47.6 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

600

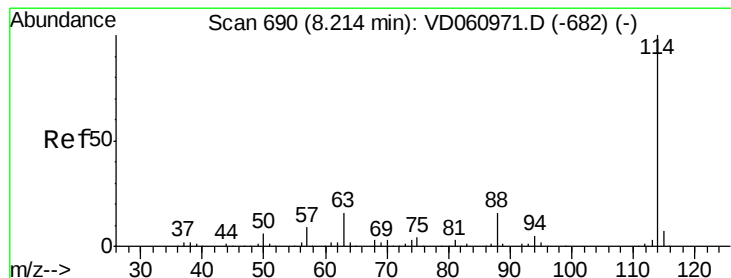
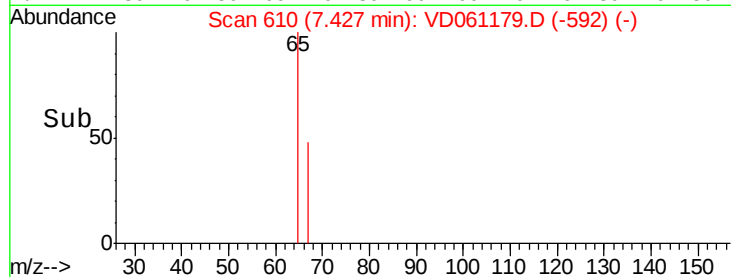
400

200

0

7.35 7.40 7.45

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

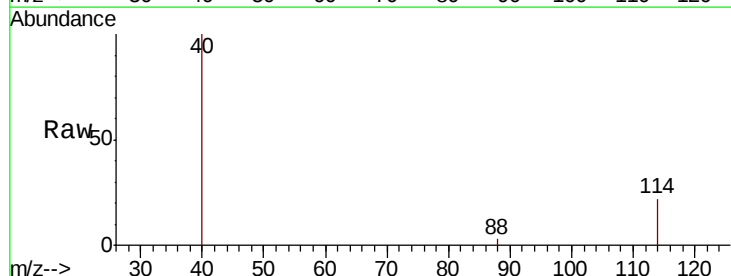
Tgt Ion: 114 Resp: 7339

Ion Ratio Lower Upper

114 100

63 0.0 0.0 31.4

88 12.6 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

3000

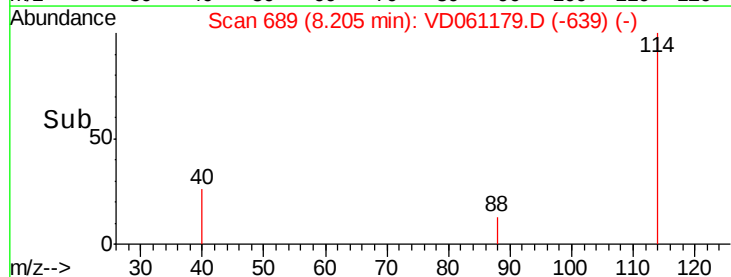
2000

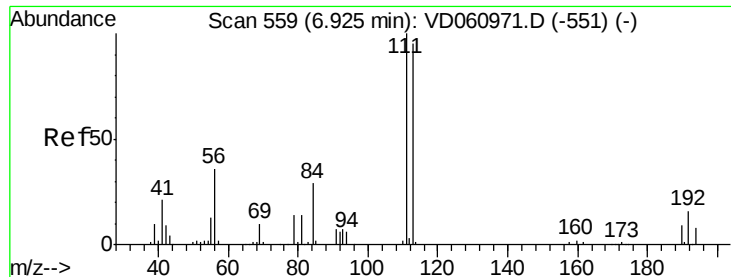
1000

0

8.10 8.15 8.20 8.25 8.30

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

P-6-SOUTH-WALLRE

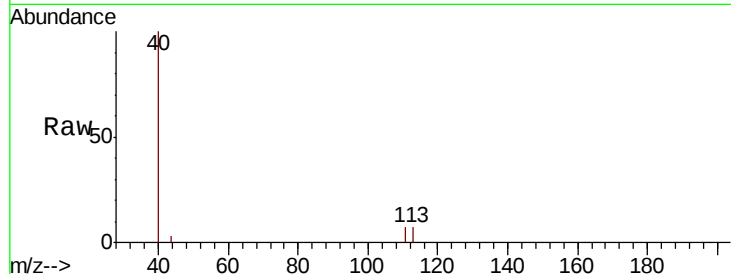
Tgt Ion:113 Resp: 1962

Ion Ratio Lower Upper

113 100

111 94.0 84.2 126.4

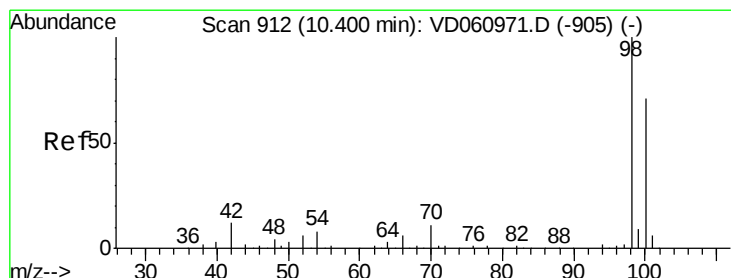
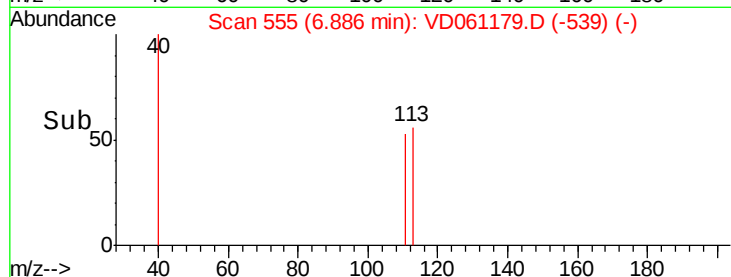
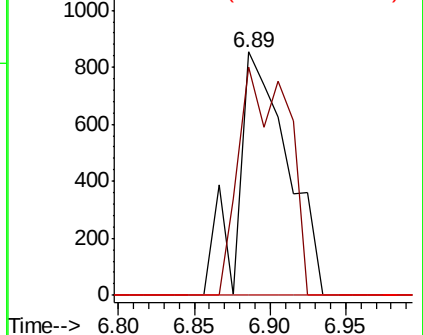
192 0.0 13.1 19.7#



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: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD061179.D

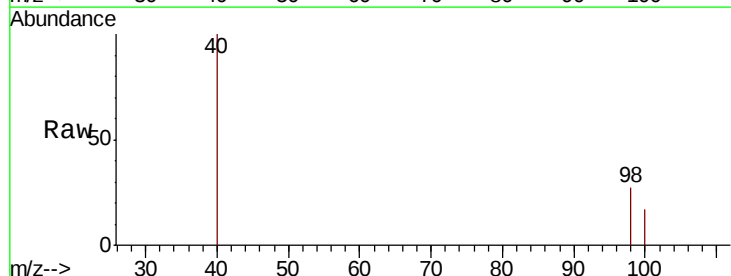
Acq: 19 Mar 2019 12:32

Tgt Ion: 98 Resp: 6062

Ion Ratio Lower Upper

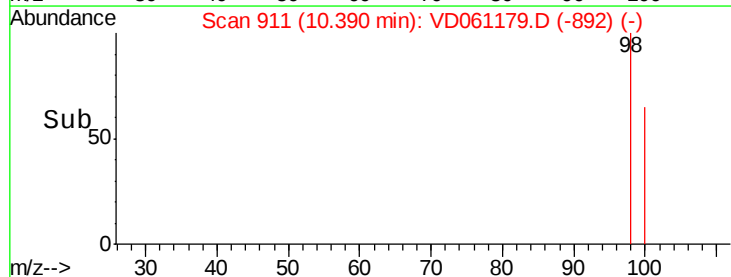
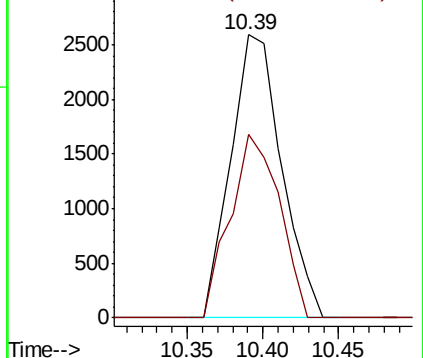
98 100

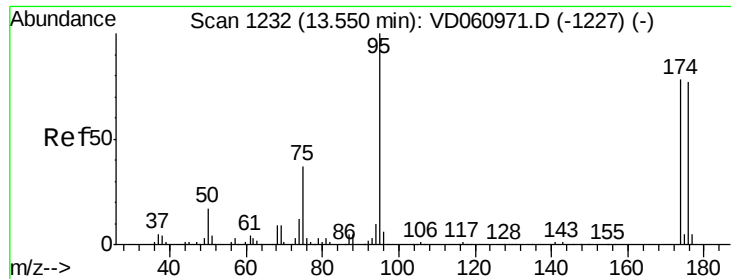
100 65.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

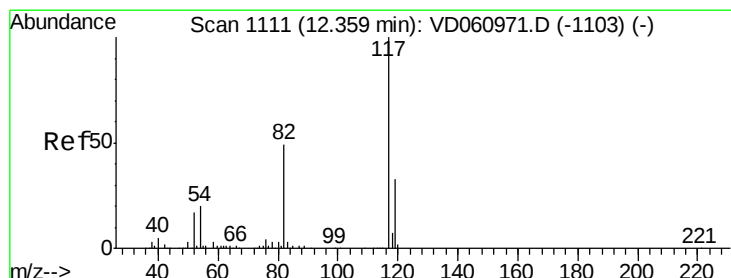
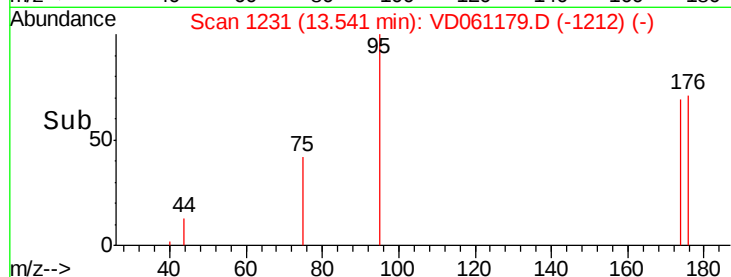
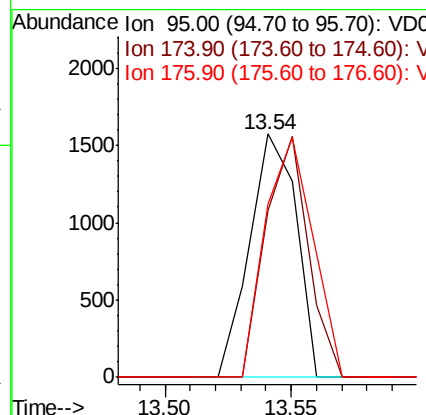
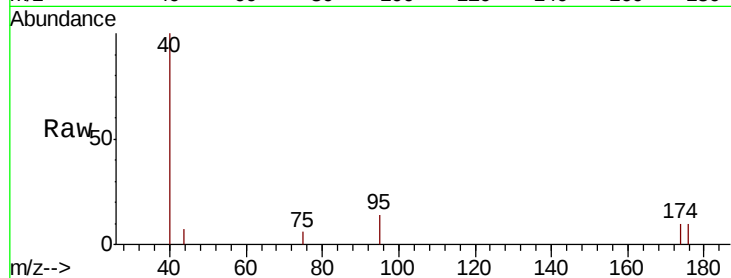




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061179.D
Acq: 19 Mar 2019 12:32

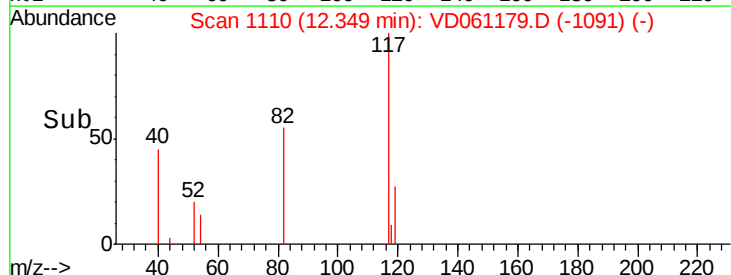
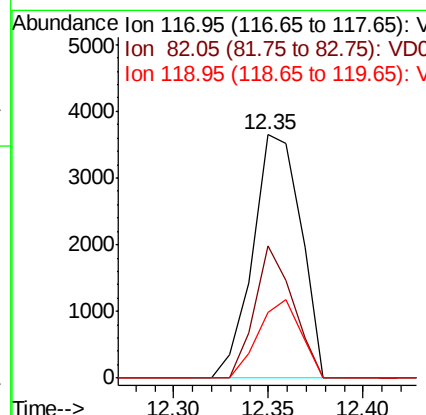
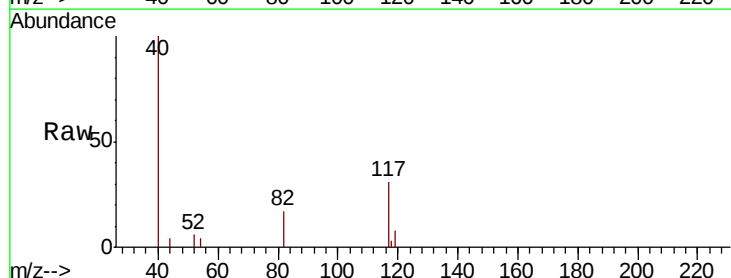
Instrument :
MSVOA_D
ClientSampleId :
P-6-SOUTH-WALLRE

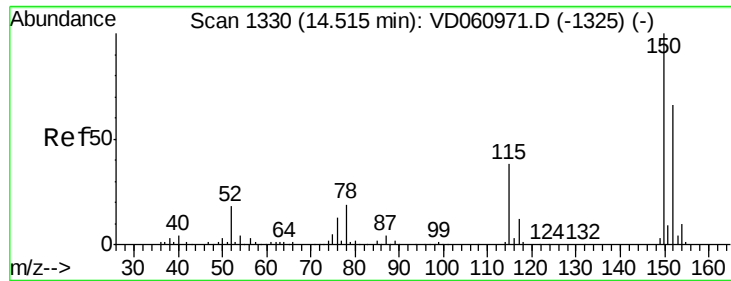
Tgt Ion: 95 Resp: 2028
Ion Ratio Lower Upper
95 100
174 68.7 0.0 155.6
176 71.0 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061179.D
Acq: 19 Mar 2019 12:32

Tgt Ion: 117 Resp: 6434
Ion Ratio Lower Upper
117 100
82 54.6 38.9 58.3
119 26.9 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

P-6-SOUTH-WALLRE

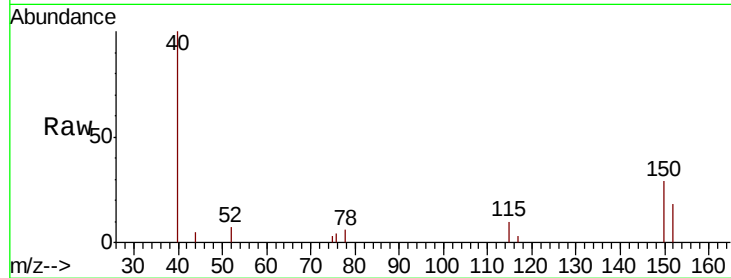
Tgt Ion: 152 Resp: 2433

Ion Ratio Lower Upper

152 100

115 53.8 28.6 85.9

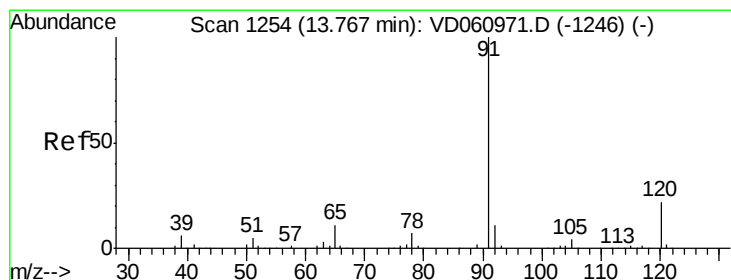
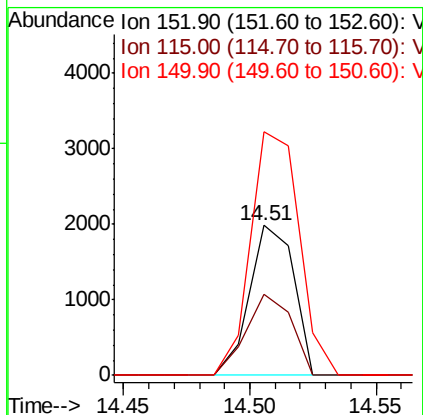
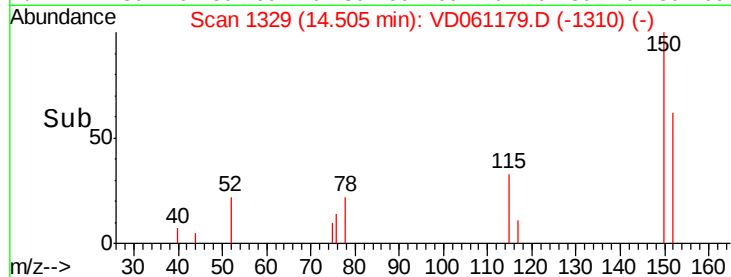
150 162.4 0.0 310.6



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



#78

n-propylbenzene

Concen: 2.017 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061179.D

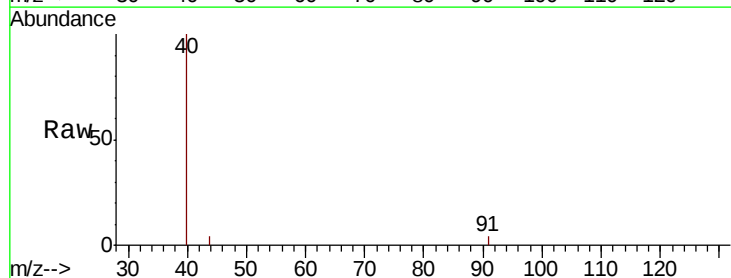
Acq: 19 Mar 2019 12:32

Tgt Ion: 91 Resp: 414

Ion Ratio Lower Upper

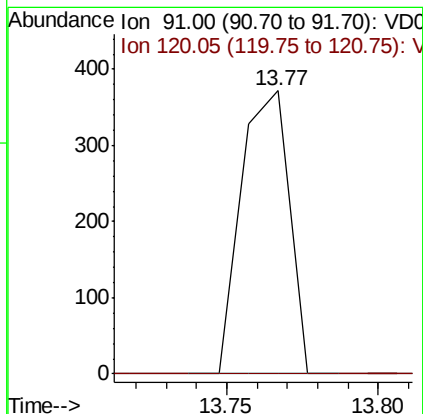
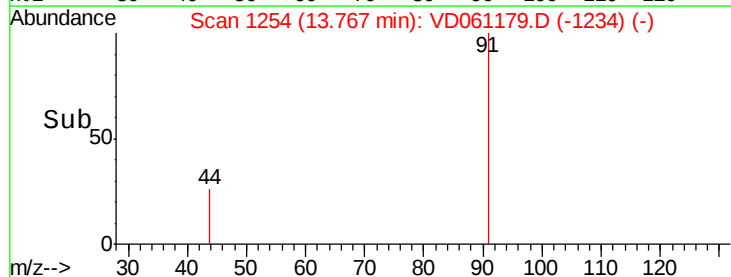
91 100

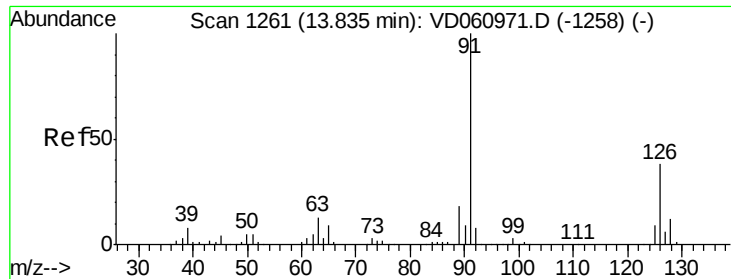
120 0.0 10.8 32.3#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 3.663 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.07 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

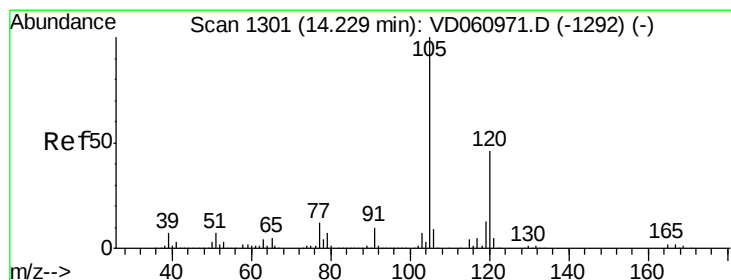
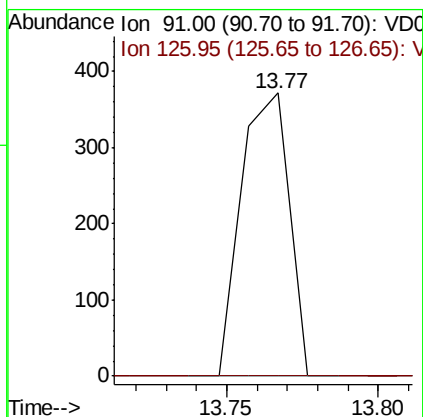
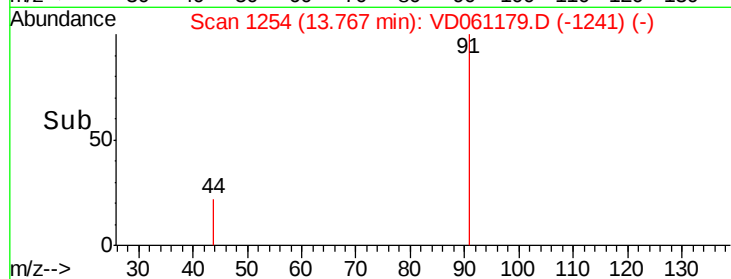
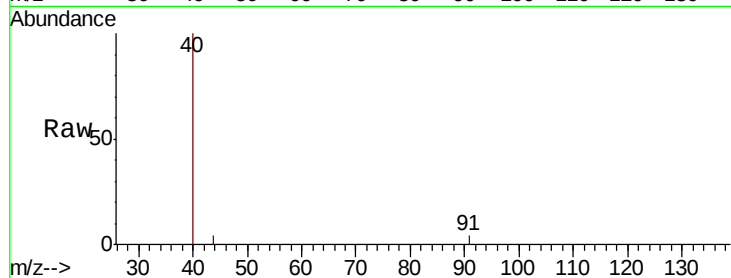
P-6-SOUTH-WALLRE

Tgt Ion: 91 Resp: 414

Ion Ratio Lower Upper

91 100

126 0.0 18.6 55.6#



#80

1,3,5-Trimethylbenzene

Concen: 1.465 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061179.D

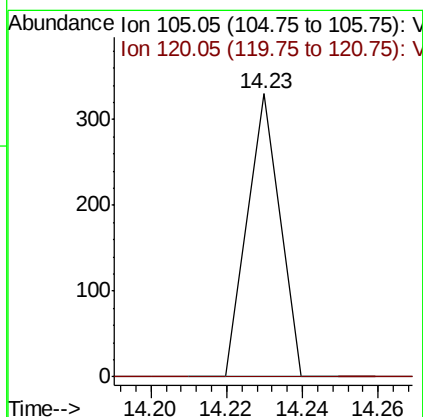
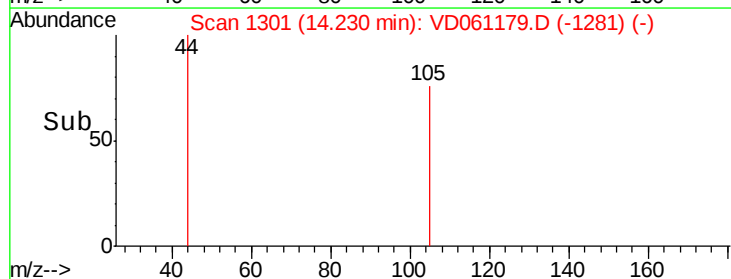
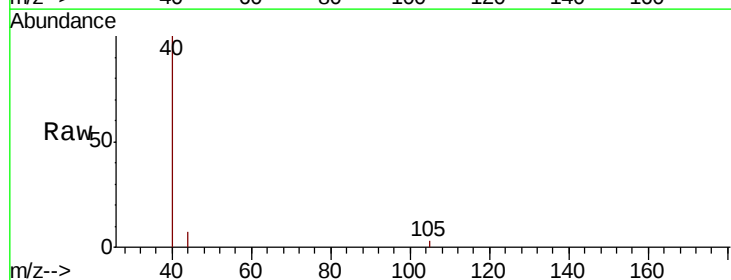
Acq: 19 Mar 2019 12:32

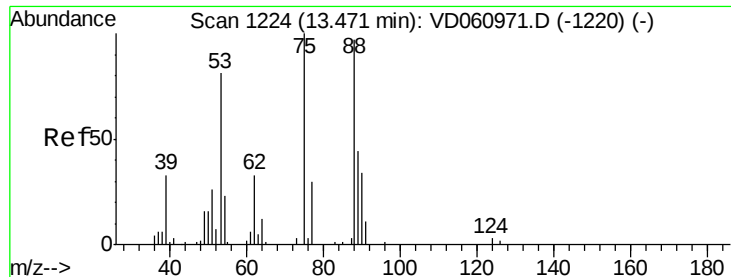
Tgt Ion: 105 Resp: 195

Ion Ratio Lower Upper

105 100

120 0.0 22.9 68.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.665 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

P-6-SOUTH-WALLRE

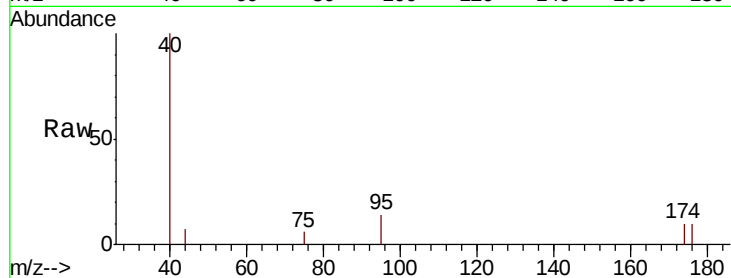
Tgt Ion: 75 Resp: 657

Ion Ratio Lower Upper

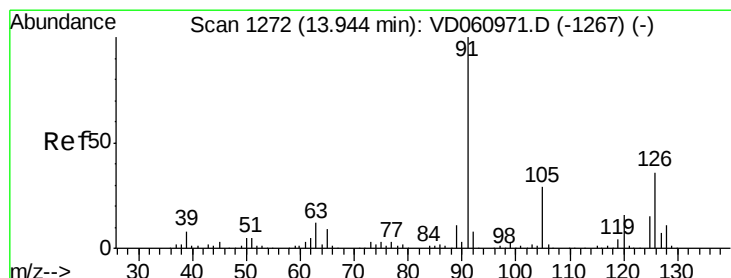
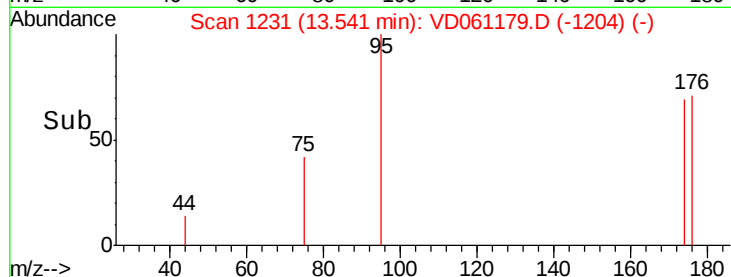
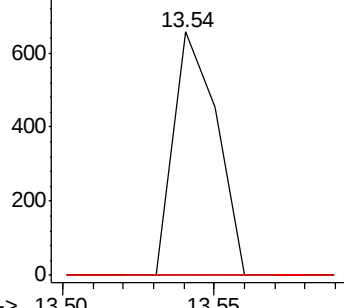
75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 1.407 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061179.D

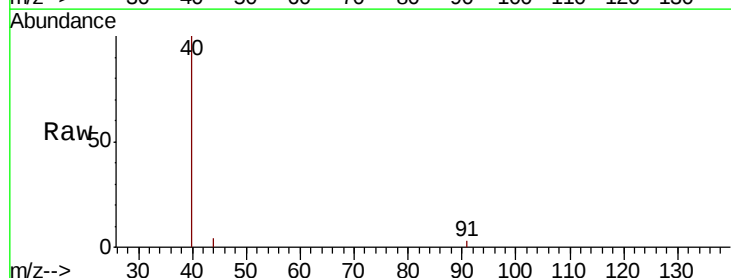
Acq: 19 Mar 2019 12:32

Tgt Ion: 91 Resp: 188

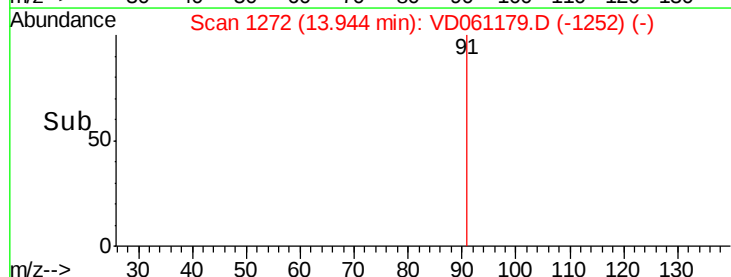
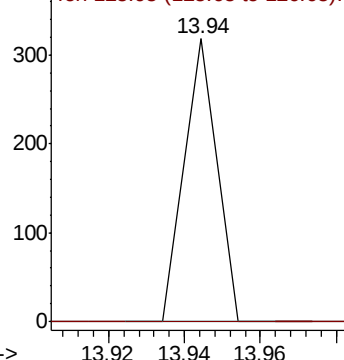
Ion Ratio Lower Upper

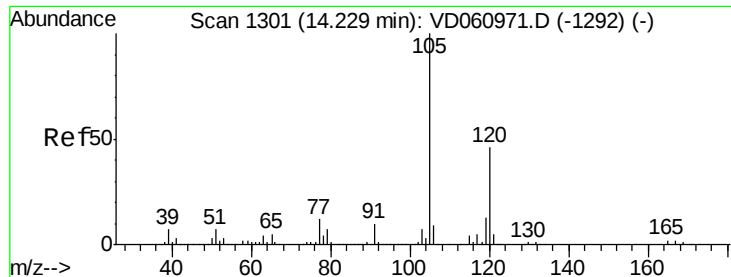
91 100

126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

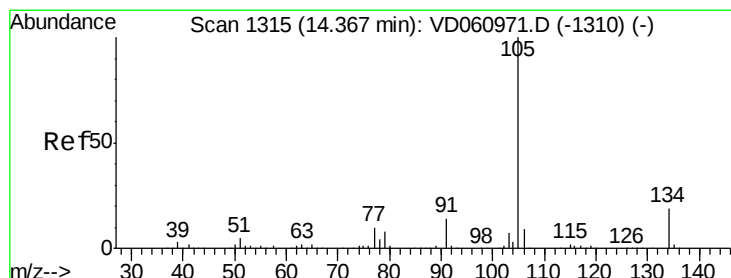
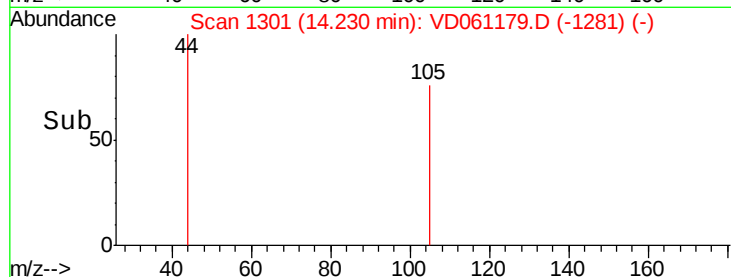
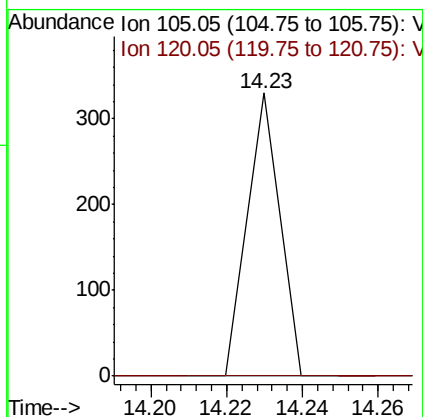
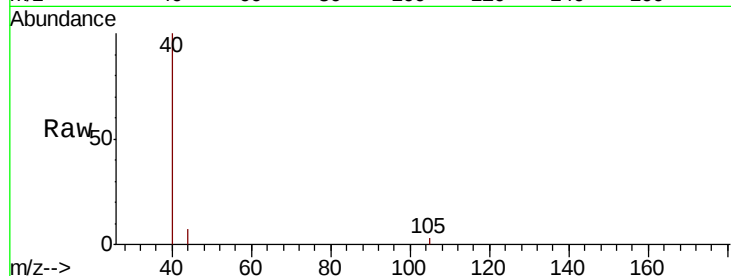




#84
 1,2,4-Trimethylbenzene
 Concen: 1.465 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061179.D
 Acq: 19 Mar 2019 12:32

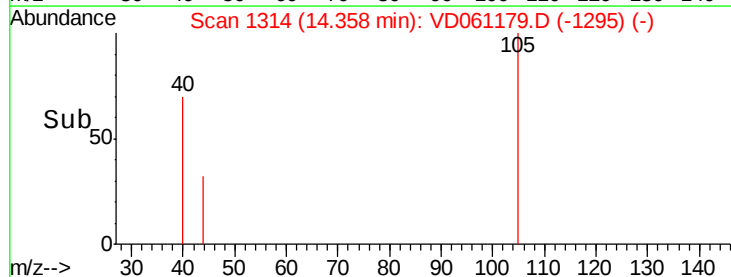
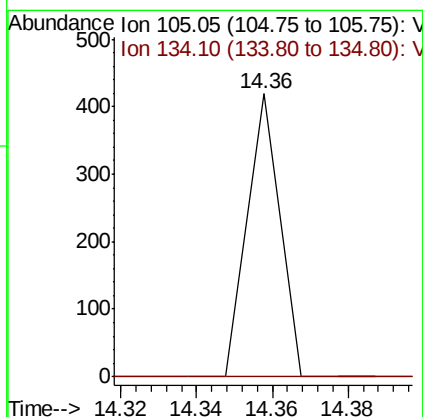
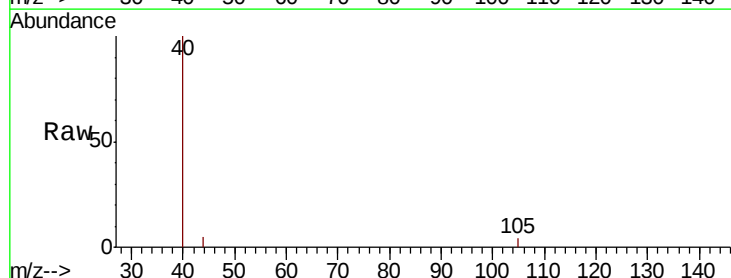
Instrument :
 MSVOA_D
 ClientSampleId :
 P-6-SOUTH-WALLRE

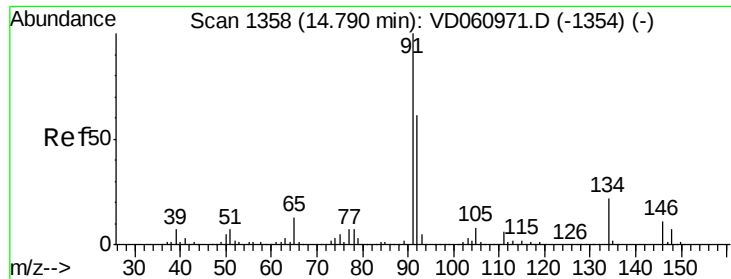
Tgt Ion:105 Resp: 195
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.5#



#85
 sec-Butylbenzene
 Concen: 1.394 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061179.D
 Acq: 19 Mar 2019 12:32

Tgt Ion:105 Resp: 248
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#





#89

n-Butylbenzene

Concen: 1.741 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

P-6-SOUTH-WALLRE

Tgt Ion: 91 Resp: 243

Ion Ratio Lower Upper

91 100

92 0.0 30.6 91.8#

134 0.0 11.0 33.0#

