

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%

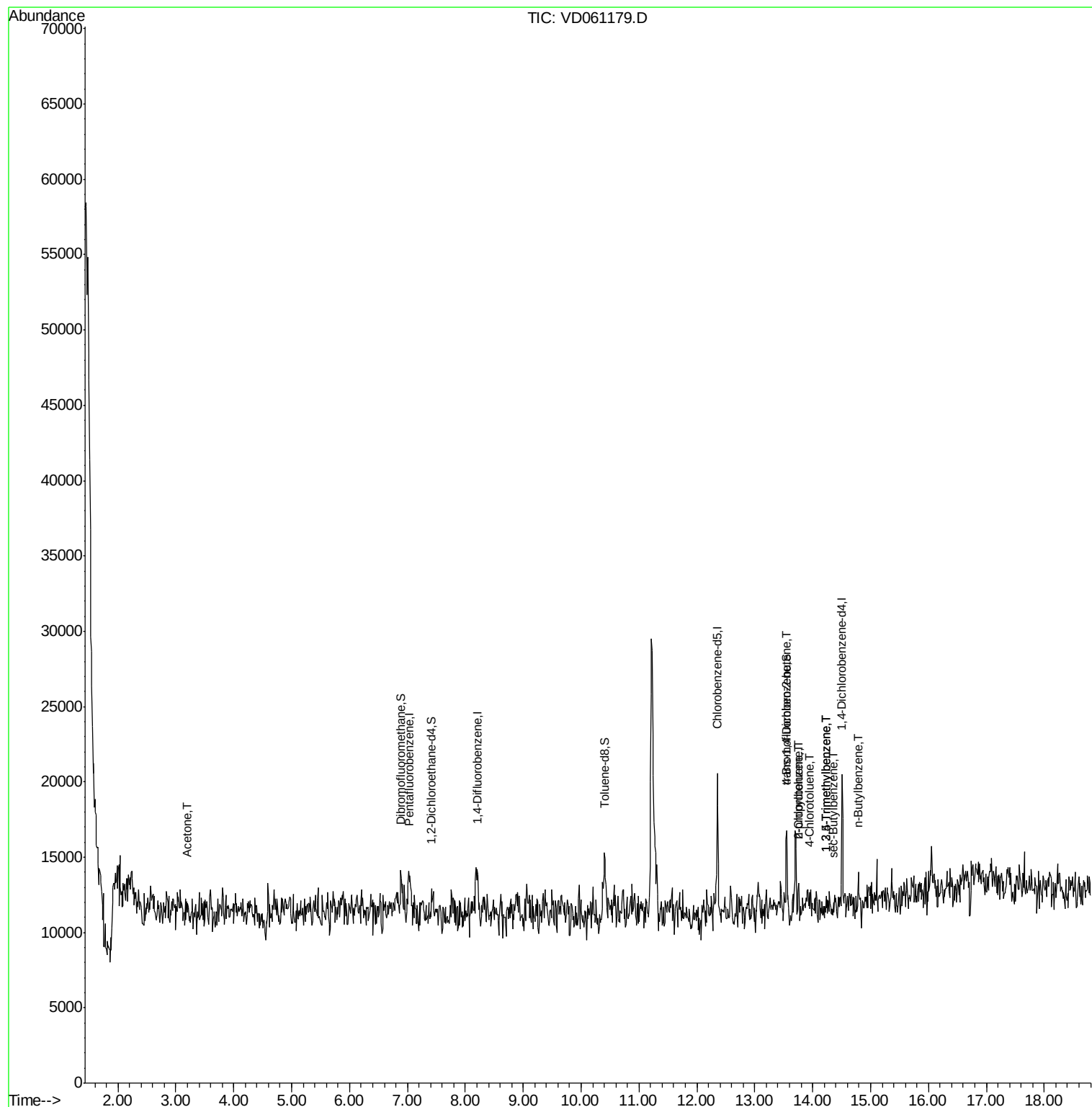
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.19	43	191	20.533	ug/l #	48
78) n-propylbenzene	13.77	91	414	2.017	ug/l #	54
79) 2-Chlorotoluene	13.77	91	414	3.663	ug/l #	38
80) 1,3,5-Trimethylbenzene	14.23	105	195	1.465	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.54	75	657	63.665	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

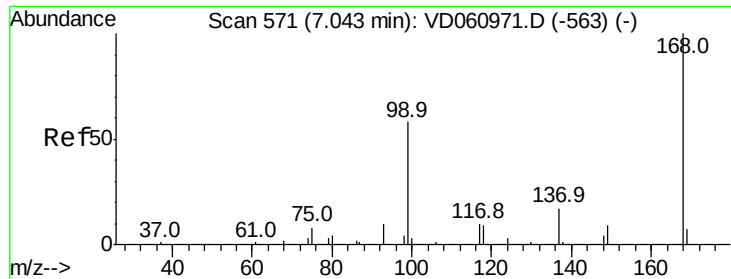
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :

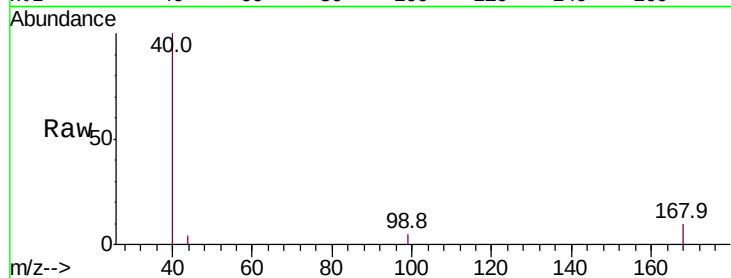
P-6-SOUTH-WALLRE

Tot Ion:168 Resp: 3908

Ion Ratio Lower Upper

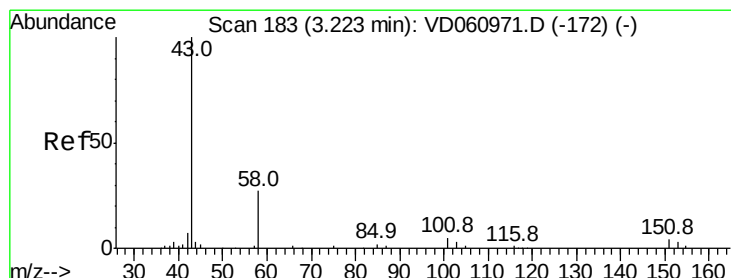
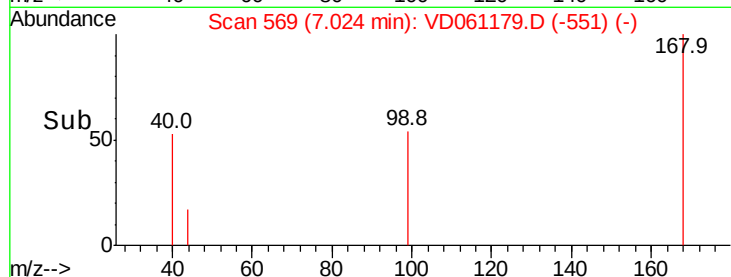
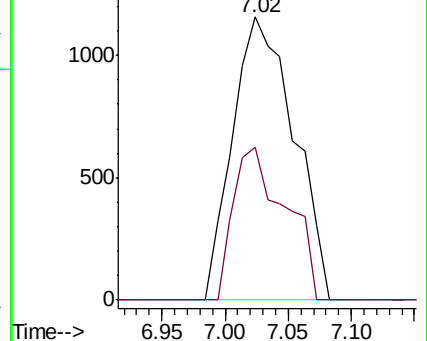
168 100

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



#16

Acetone

Concen: 20.533 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD061179.D

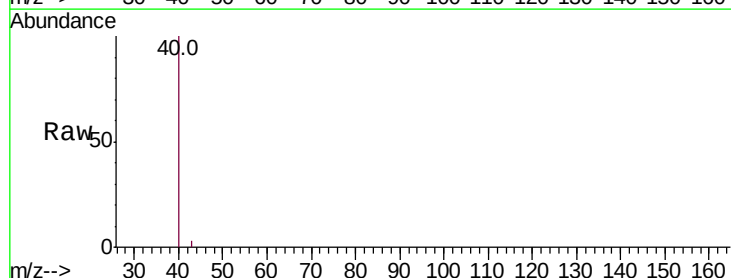
Acq: 19 Mar 2019 12:32

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

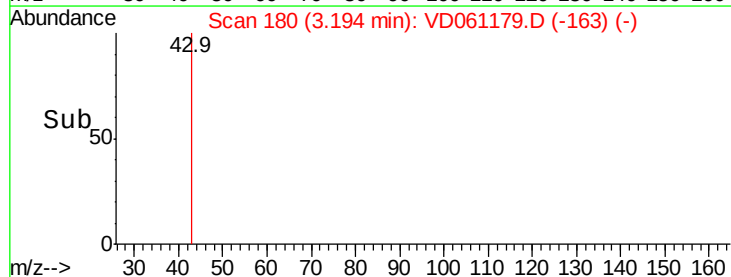
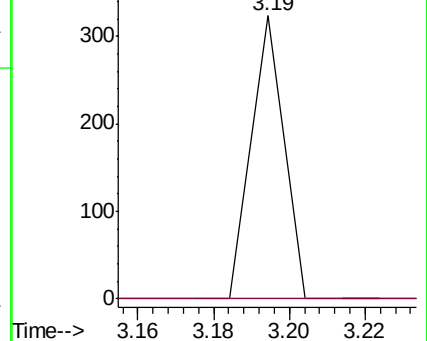
43 100

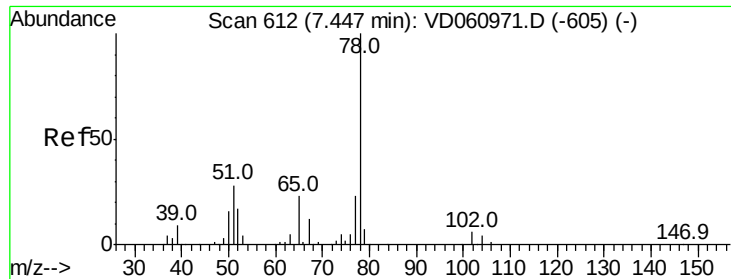
58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#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 :

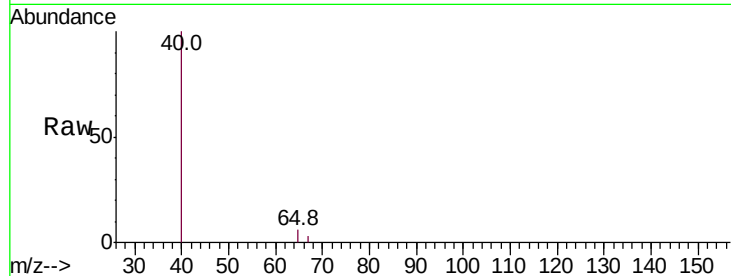
P-6-SOUTH-WALLRE

Tot 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

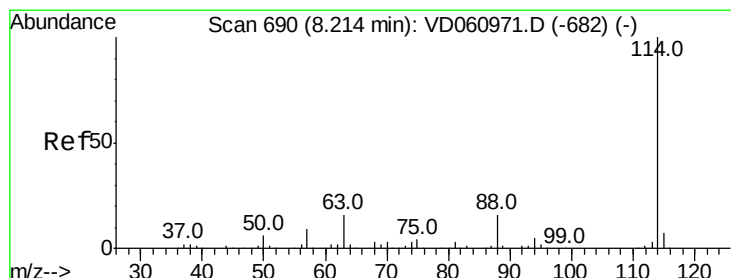
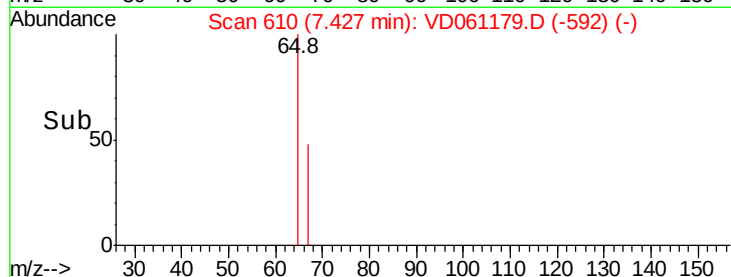
200

0

7.35

7.40

7.45



#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

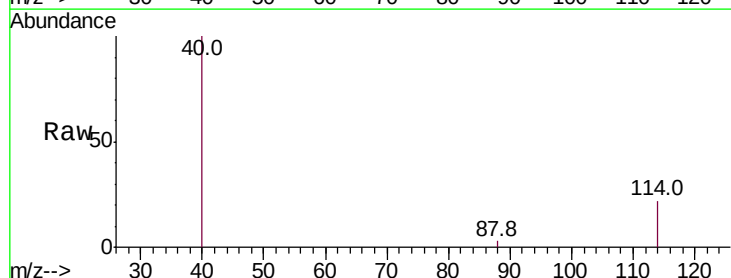
Tgt Ion: 114 Resp: 7339

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): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

3000

2000

1000

0

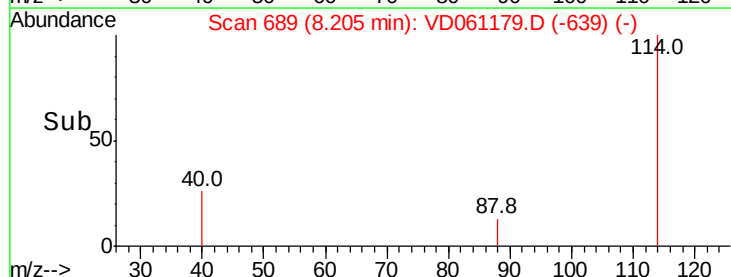
8.10

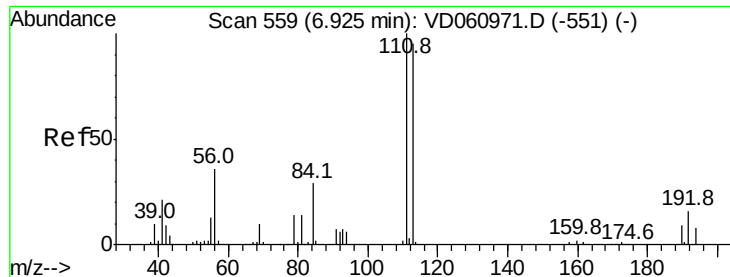
8.15

8.20

8.25

8.30

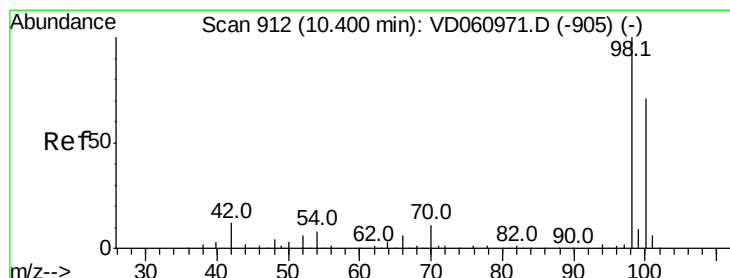
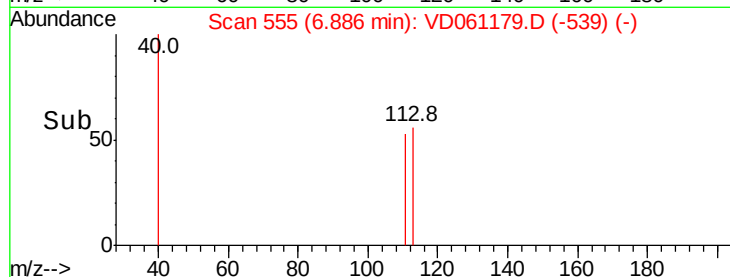
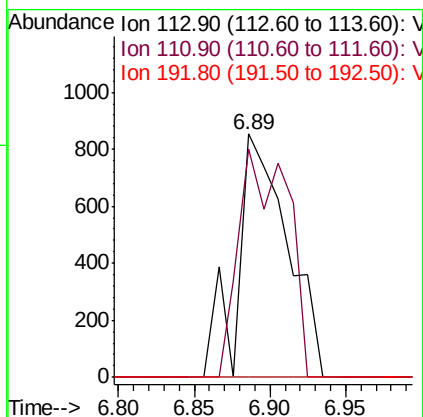
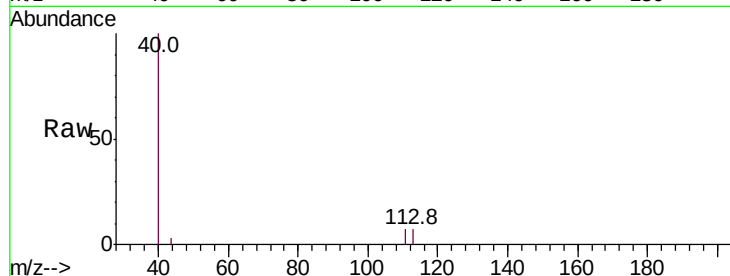




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD061179.D
 Acq: 19 Mar 2019 12:32

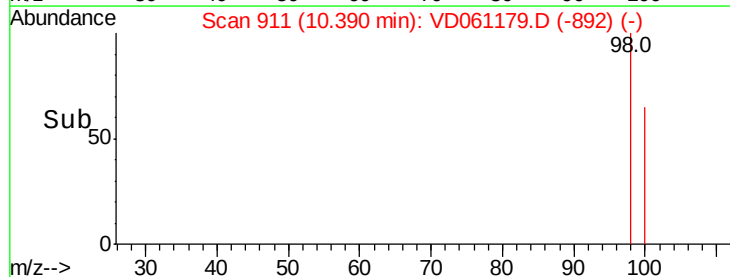
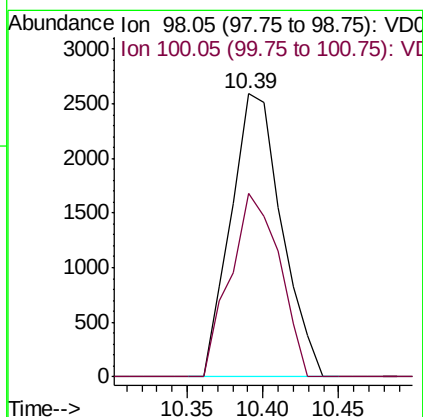
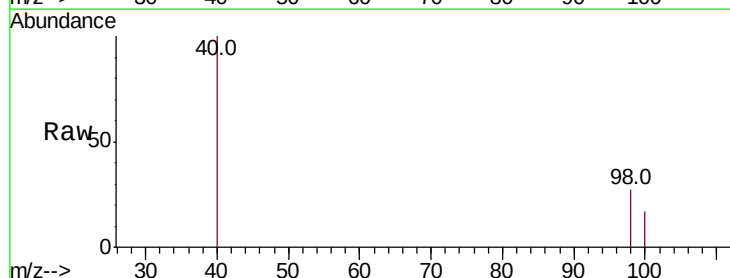
Instrument :
 MSVOA_D
 ClientSampleId :
 P-6-SOUTH-WALLRE

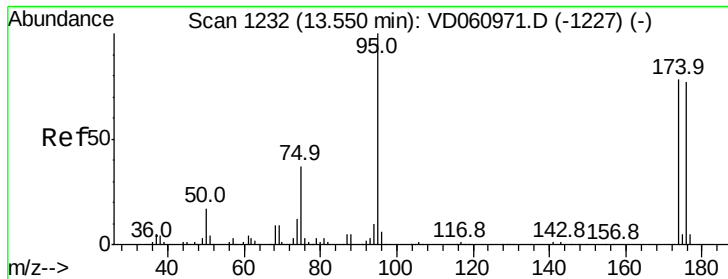
Tot Ion:113 Resp: 1962
 Ion Ratio Lower Upper
 113 100
 111 94.0 84.2 126.4
 192 0.0 13.1 19.7#



#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





#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

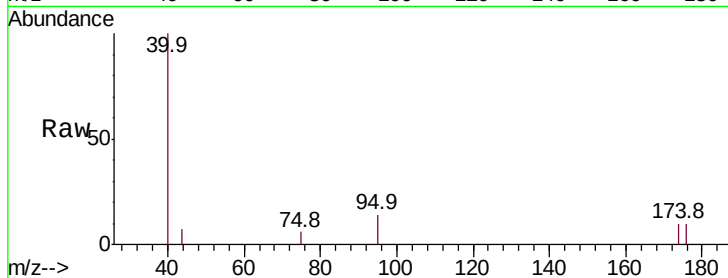
Tot Ion: 95 Resp: 2028

Ion Ratio Lower Upper

95 100

174 68.7 0.0 155.6

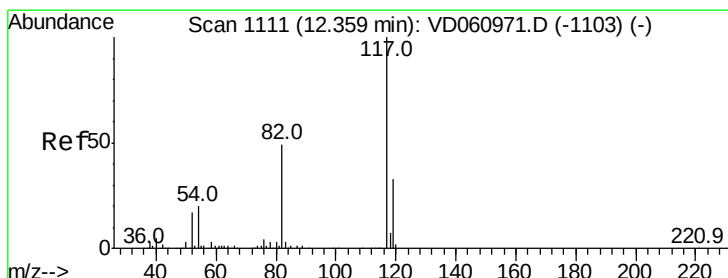
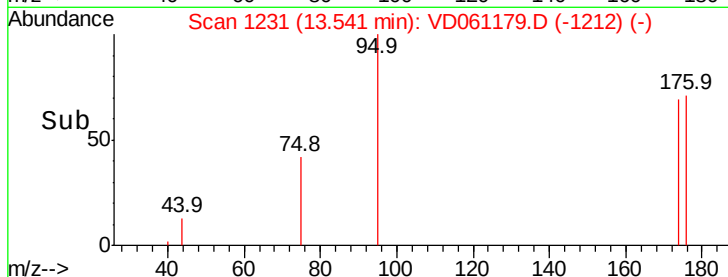
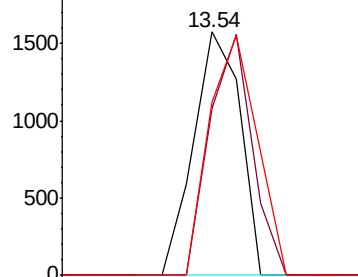
176 71.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD061179.D

Acq: 19 Mar 2019 12:32

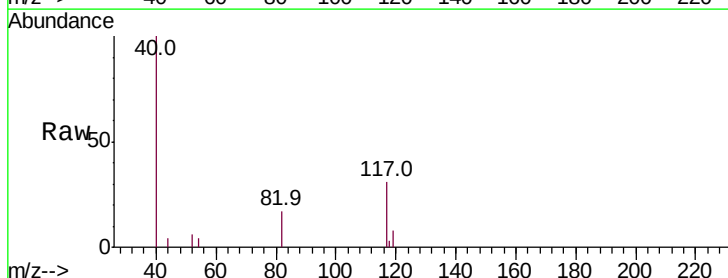
Tgt Ion: 117 Resp: 6434

Ion Ratio Lower Upper

117 100

82 54.6 38.9 58.3

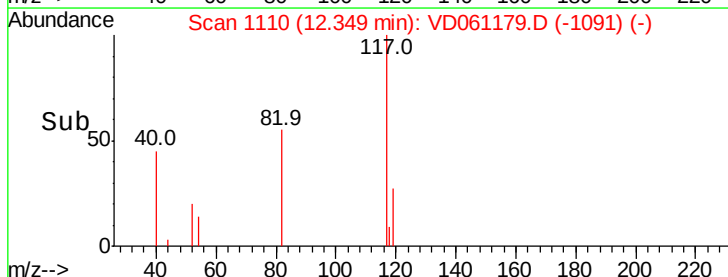
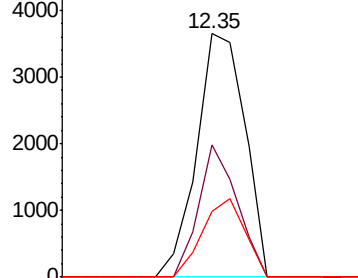
119 26.9 26.6 39.8

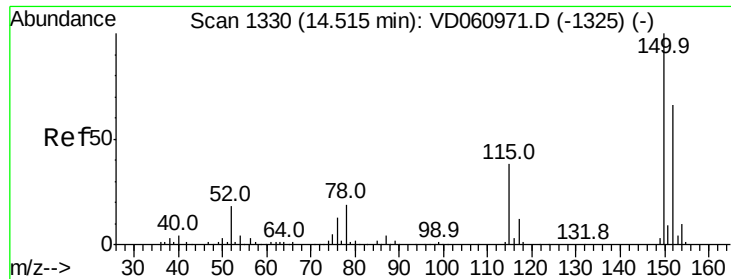


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

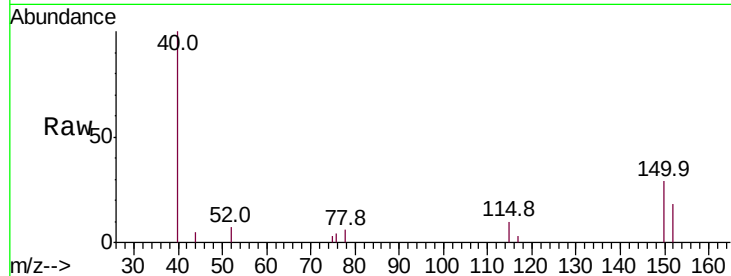




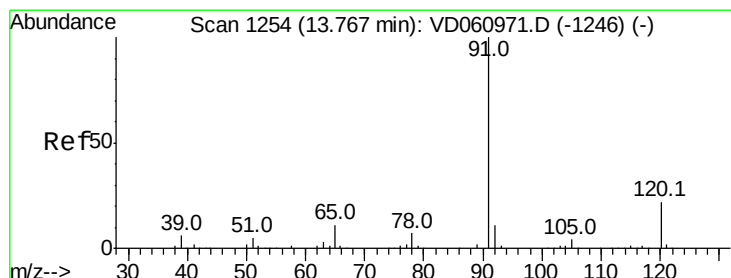
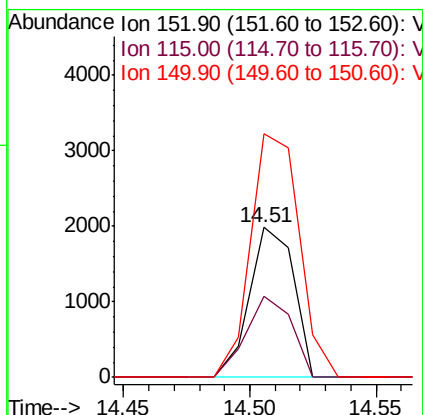
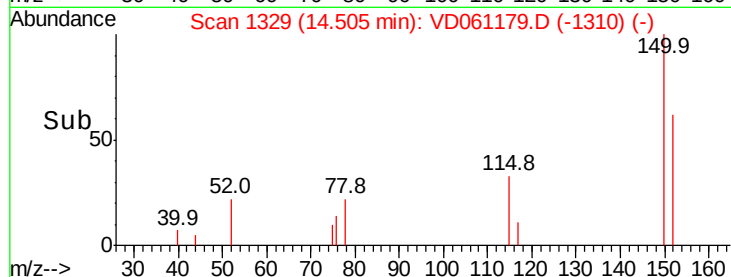
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061179.D
 Acq: 19 Mar 2019 12:32

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

Tot Ion:152 Resp: 2433
 Ion Ratio Lower Upper
 152 100
 115 53.8 28.6 85.9
 150 162.4 0.0 310.6

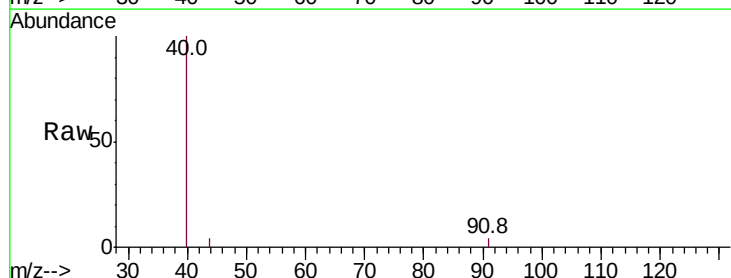


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

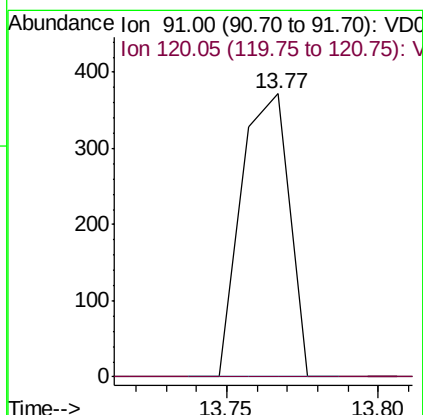
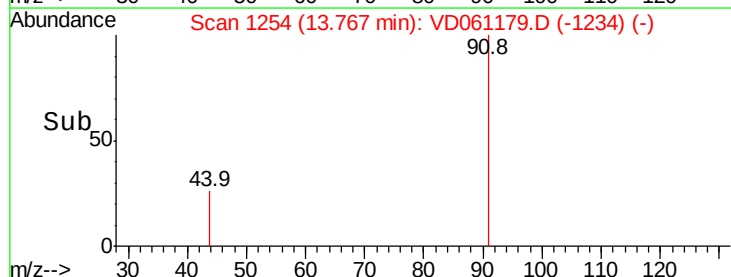


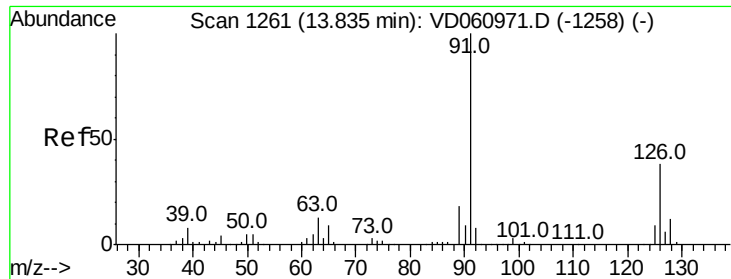
#78
 n-propylbenzene
 Concen: 2.017 ug/l
 RT: 13.77 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VD061179.D
 Acq: 19 Mar 2019 12:32

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 :

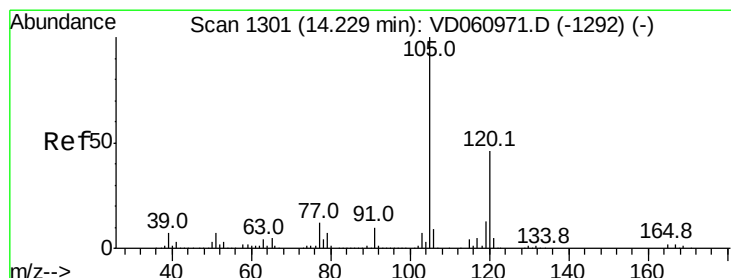
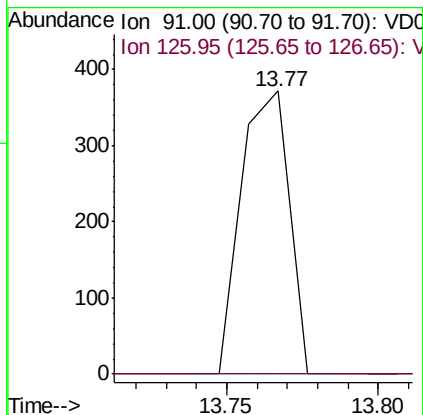
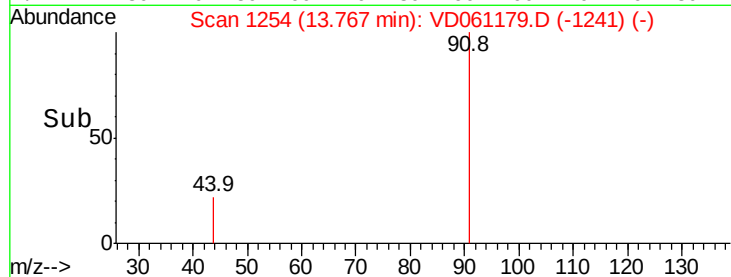
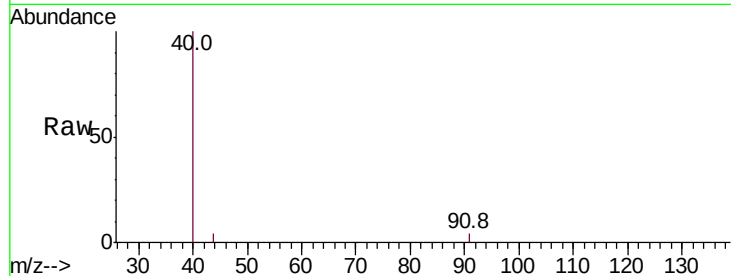
P-6-SOUTH-WALLRE

Tot 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

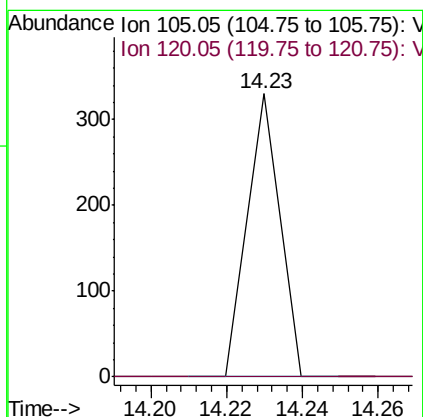
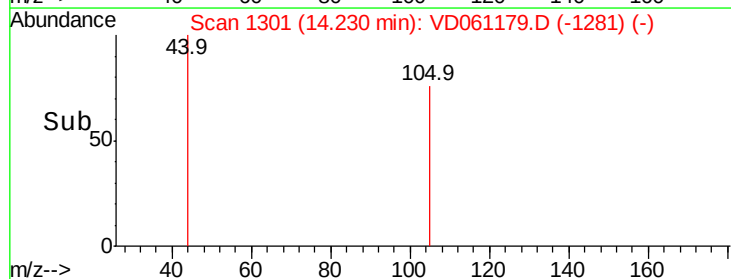
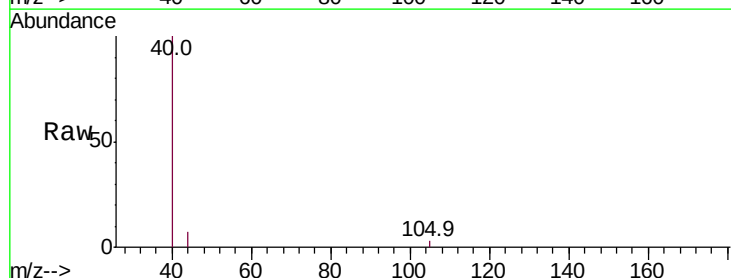
Acq: 19 Mar 2019 12:32

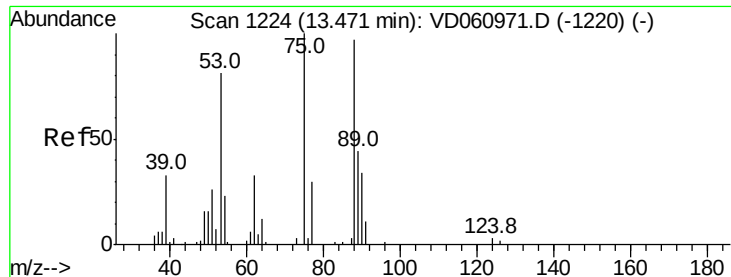
Tgt Ion: 105 Resp: 195

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

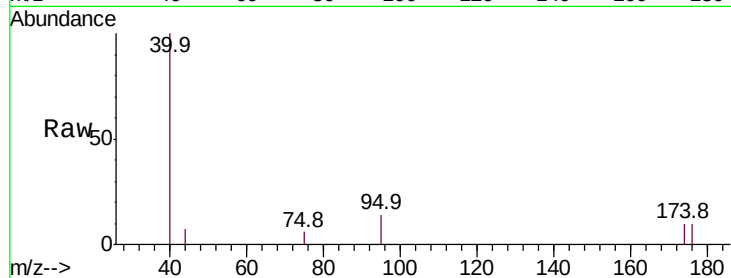
Tot Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

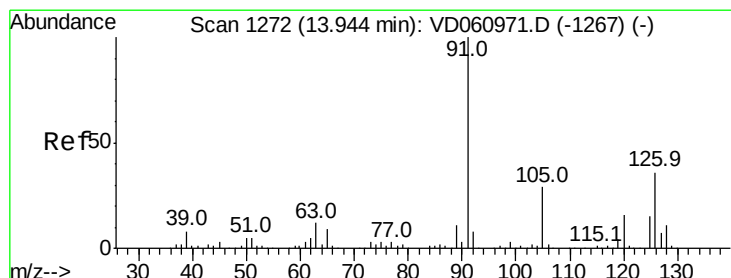
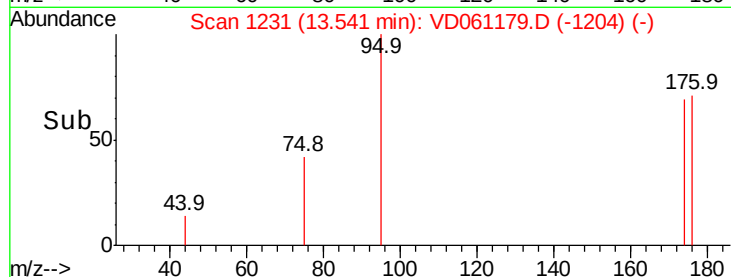
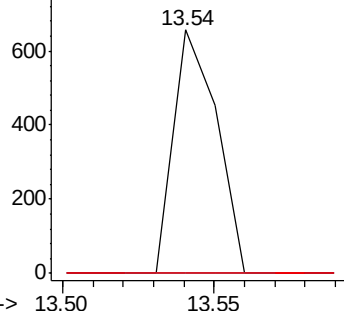
89 0.0 34.8 52.2#



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

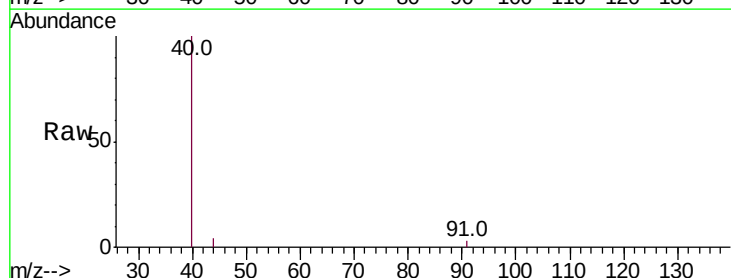
Acq: 19 Mar 2019 12:32

Tgt Ion: 91 Resp: 188

Ion Ratio Lower Upper

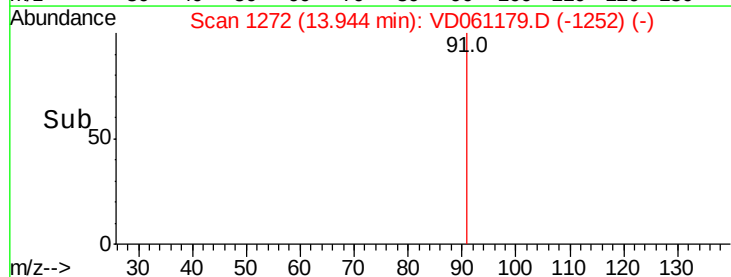
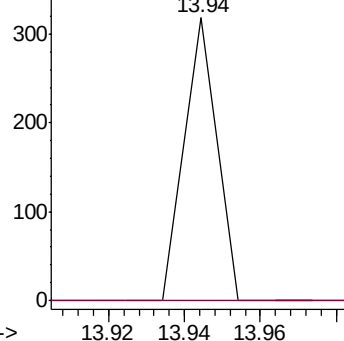
91 100

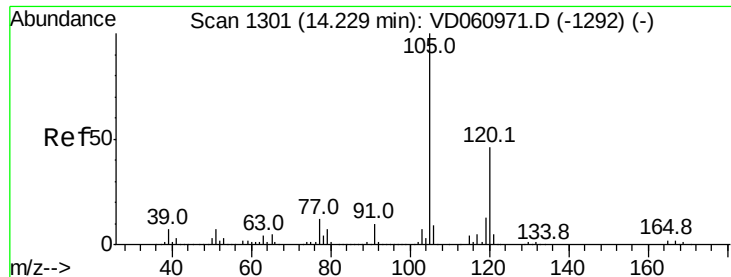
126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

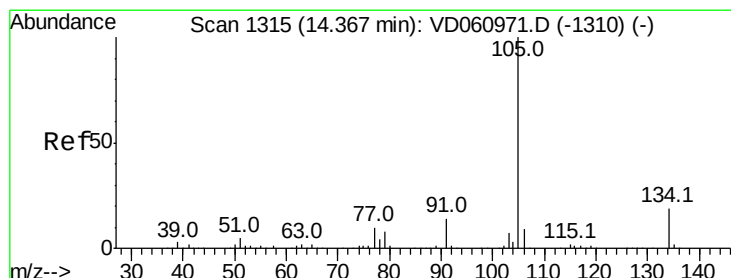
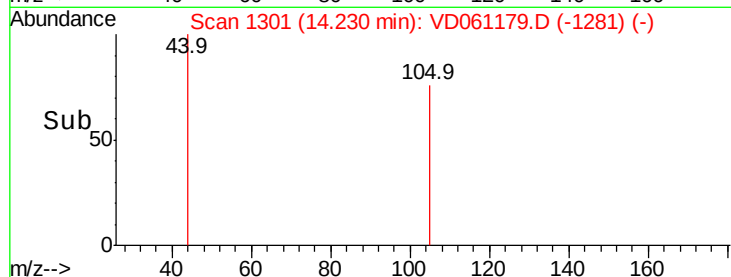
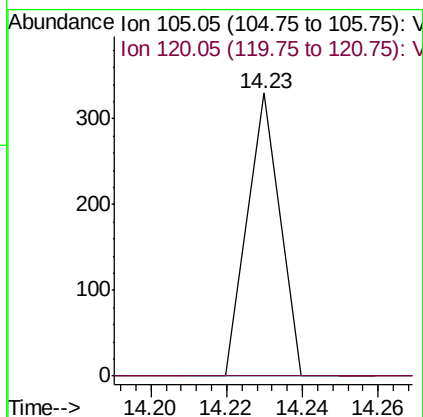
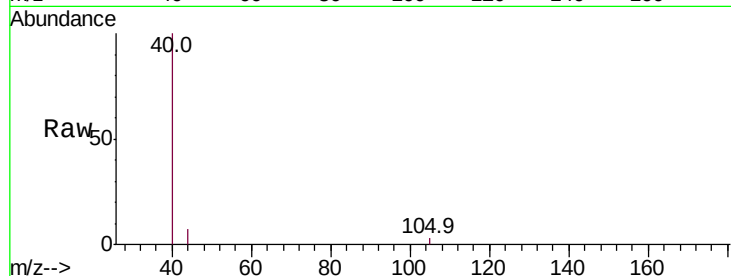




#84
 1,2,4-Trimethylbenzene
 Concen: 1.465 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061179.D
 Acq: 19 Mar 2019 12:32

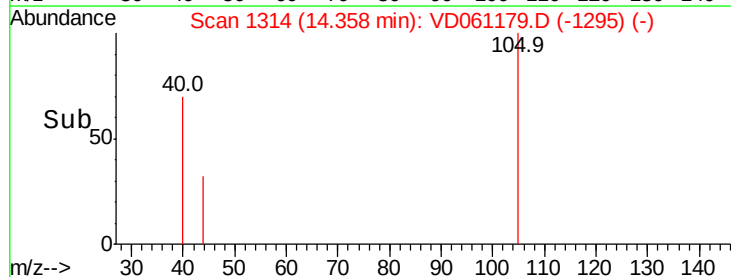
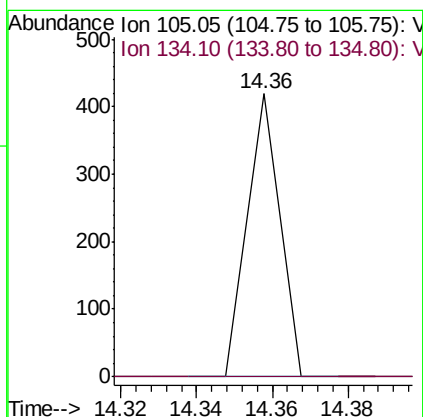
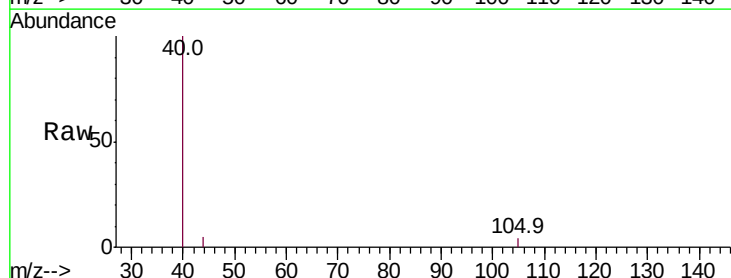
Instrument :
 MSVOA_D
 ClientSampleId :
 P-6-SOUTH-WALLRE

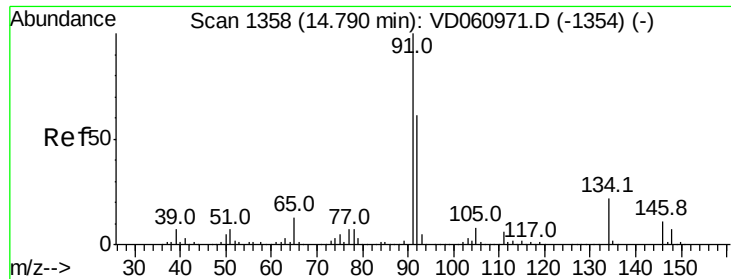
Tot Ion:105 Resp: 195
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.5#



#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

Tot Ion: 91 Resp: 243

Ion Ratio Lower Upper

91 100

92 0.0 30.6 91.8#

134 0.0 11.0 33.0#

