

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031219\
 Data File : VD061031.D
 Acq On : 12 Mar 2019 18:27
 Operator : VA/AP
 Sample : K1824-15RE
 Misc : 5.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-2RE

Quant Time: Mar 13 04:09:34 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

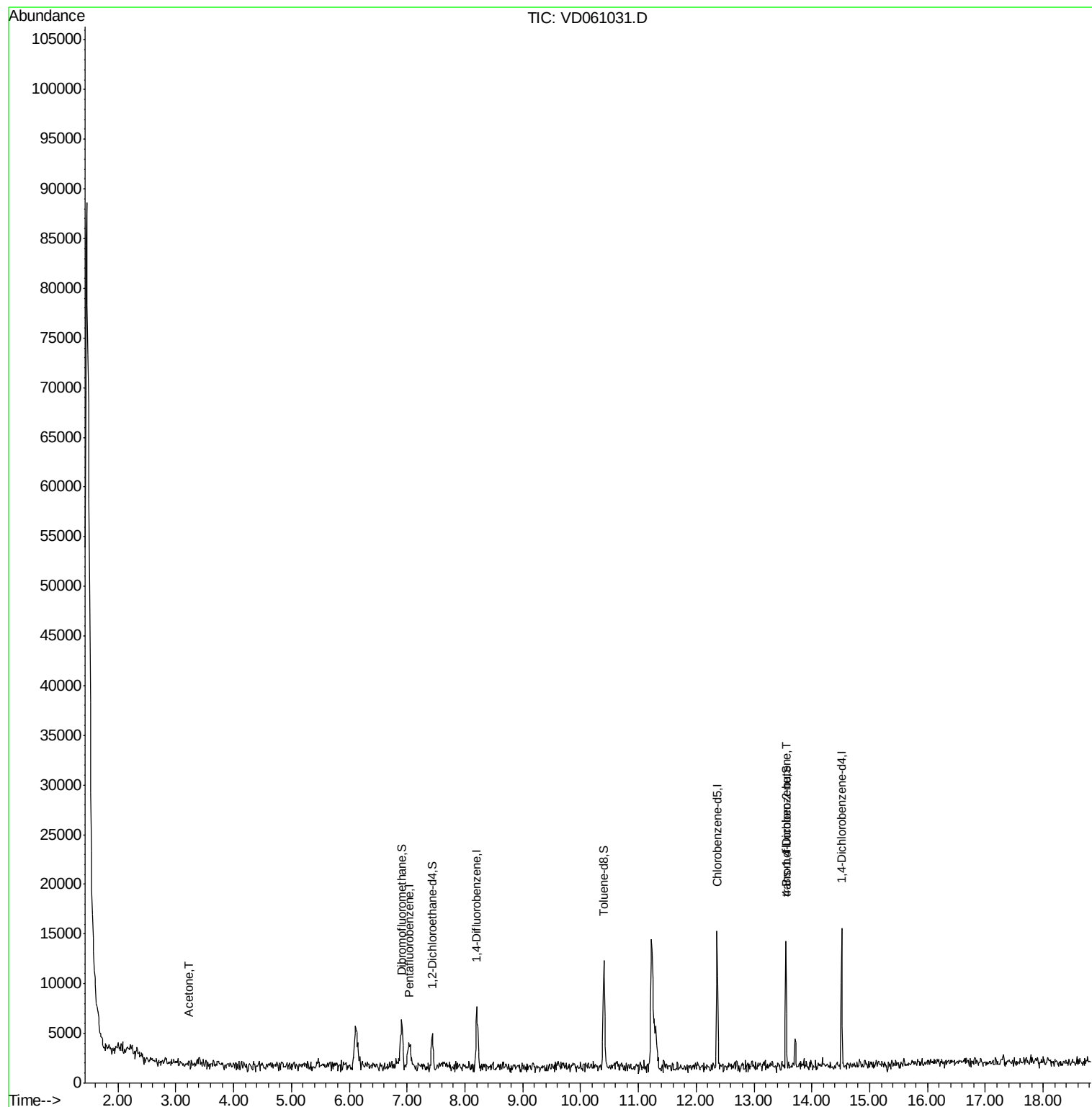
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	5741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	11032	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	9441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	3828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	3751	78.49	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	156.98%	
35) Dibromofluoromethane	6.92	113	4686	57.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.48%	
50) Toluene-d8	10.40	98	11235	54.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	13.55	95	4344	54.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.90%	
Target Compounds						
16) Acetone	3.21	43	644	47.127	ug/l #	48
81) trans-1,4-Dichloro-2-buten	13.55	75	1601	98.605	ug/l #	17

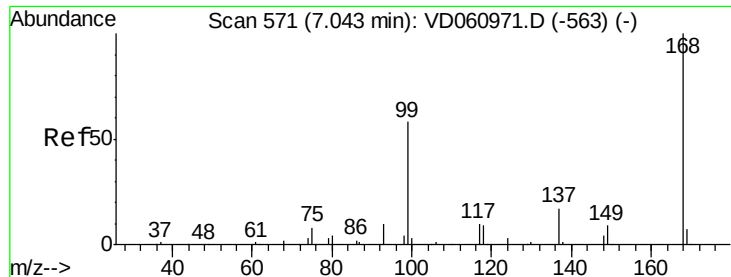
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061031.D

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MSVOA_D

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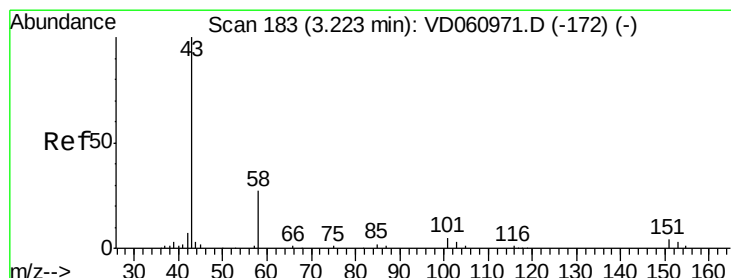
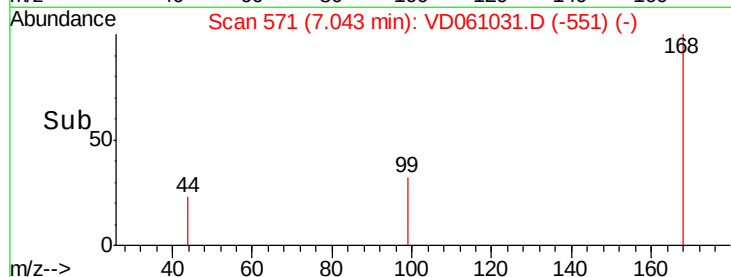
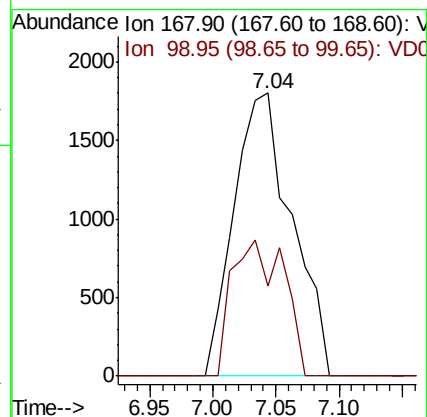
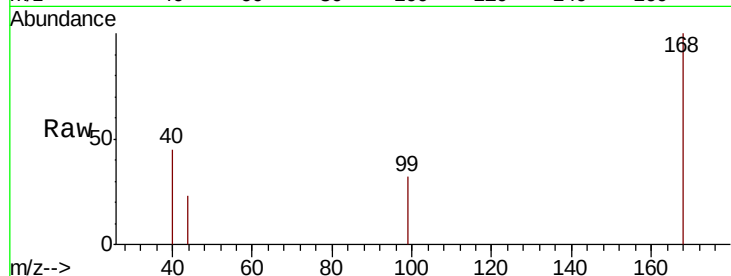
P-2RE

Tgt Ion:168 Resp: 5741

Ion Ratio Lower Upper

168 100

99 31.9 47.3 70.9#



#16

Acetone

Concen: 47.127 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061031.D

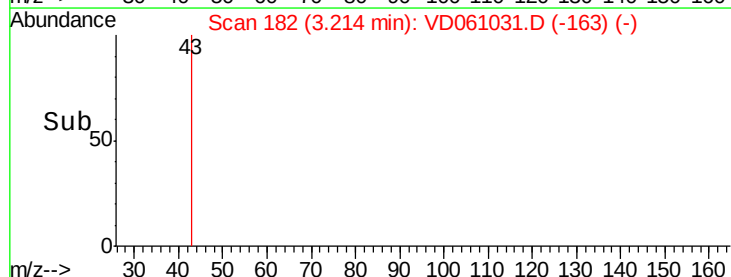
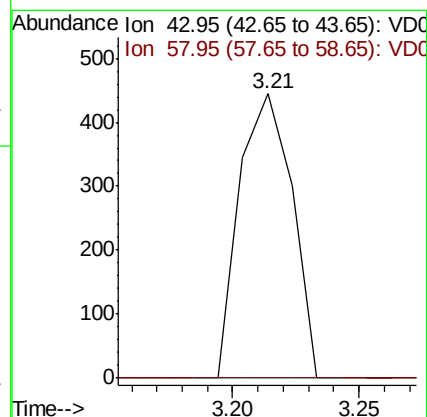
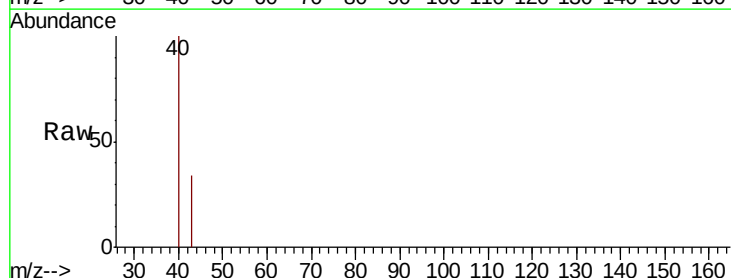
Acq: 12 Mar 2019 18:27

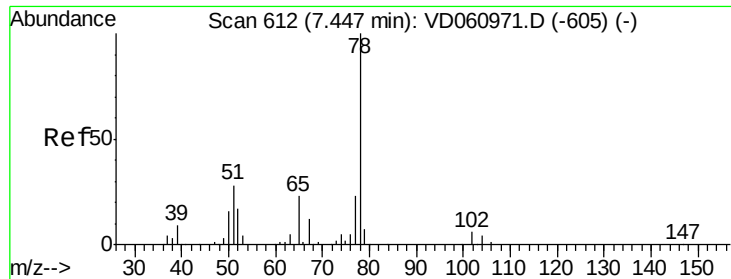
Tgt Ion: 43 Resp: 644

Ion Ratio Lower Upper

43 100

58 0.0 21.6 32.4#

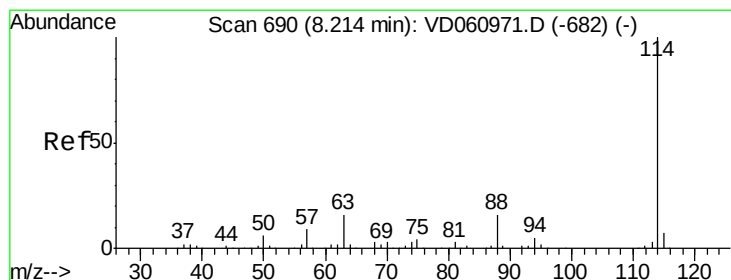
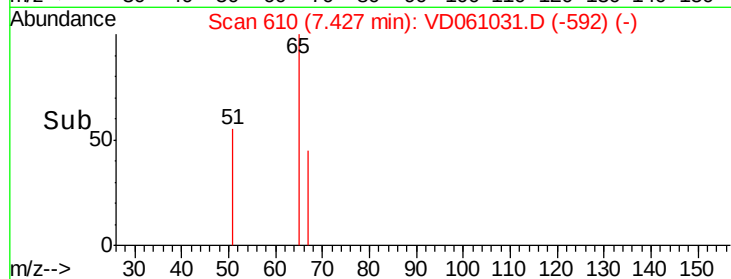
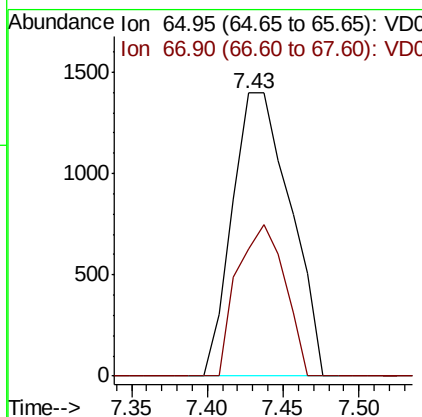
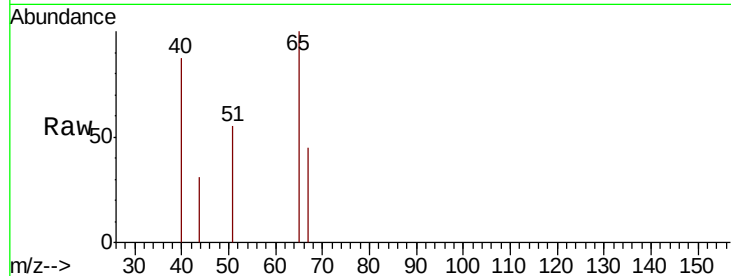




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: VD061031.D
 Acq: 12 Mar 2019 18:27

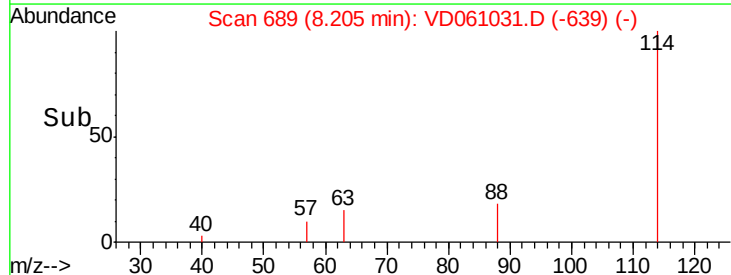
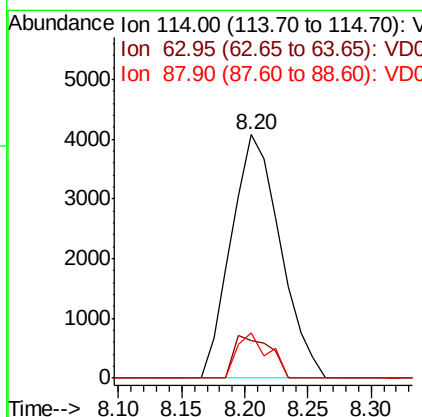
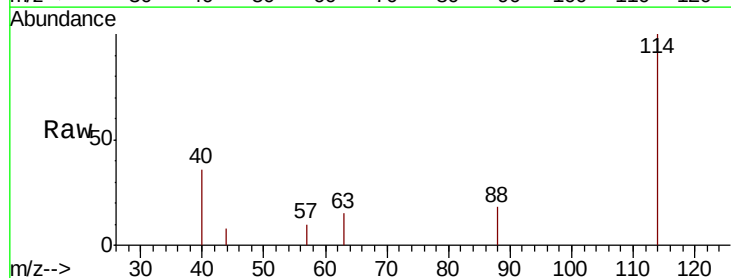
Instrument :
 MSVOA_D
 ClientSampleId :
 P-2RE

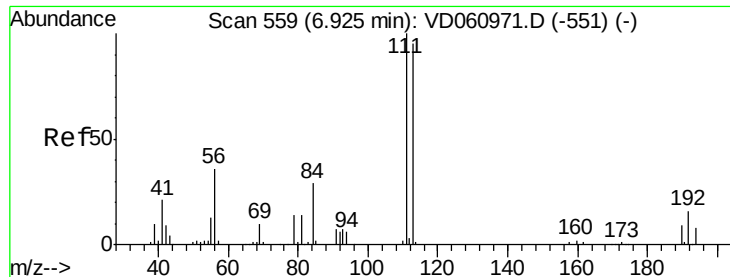
Tgt Ion: 65 Resp: 3751
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061031.D
 Acq: 12 Mar 2019 18:27

Tgt Ion: 114 Resp: 11032
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.4
 88 18.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061031.D

Acq: 12 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

P-2RE

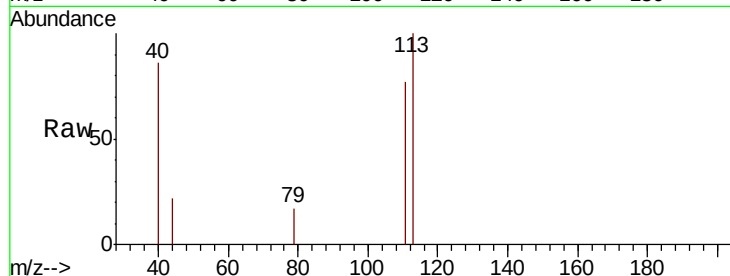
Tgt Ion:113 Resp: 4686

Ion Ratio Lower Upper

113 100

111 77.0 84.2 126.4#

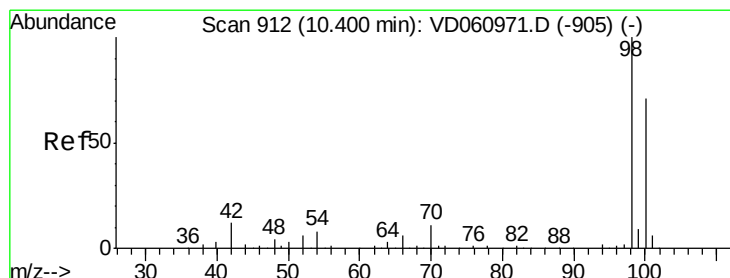
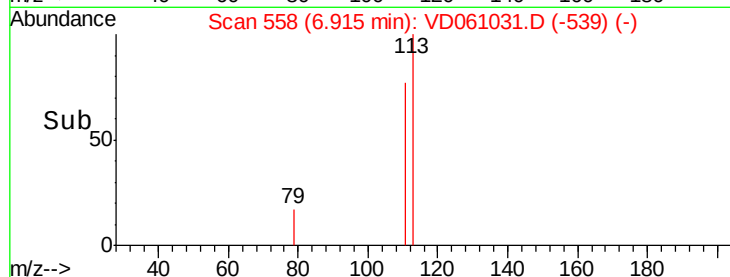
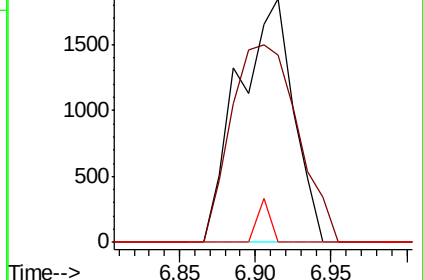
192 0.0 13.1 19.7#



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: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061031.D

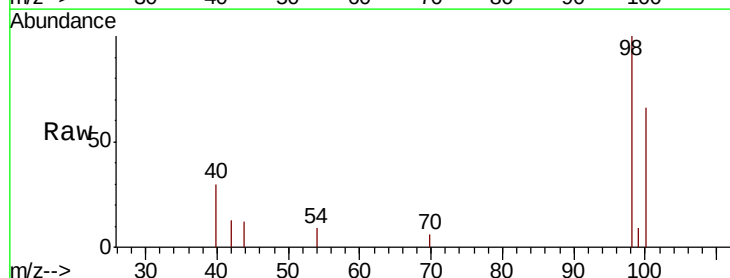
Acq: 12 Mar 2019 18:27

Tgt Ion: 98 Resp: 11235

Ion Ratio Lower Upper

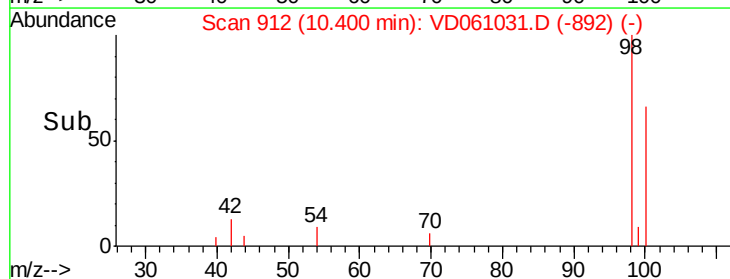
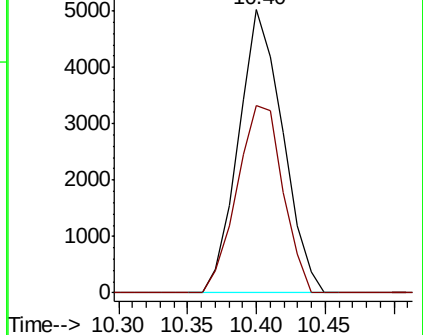
98 100

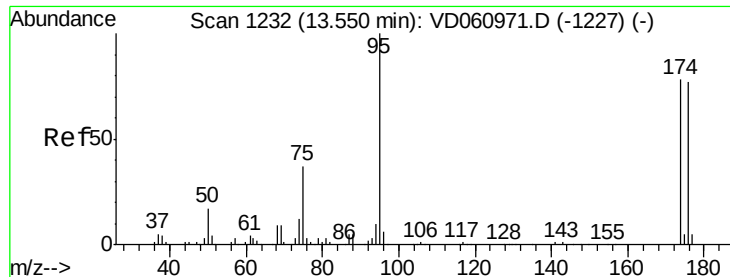
100 66.4 57.4 86.2



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061031.D

Acq: 12 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

P-2RE

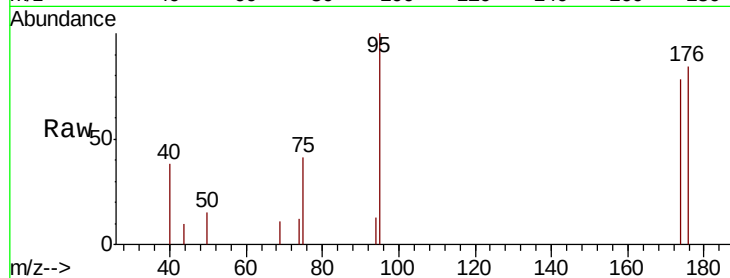
Tgt Ion: 95 Resp: 4344

Ion Ratio Lower Upper

95 100

174 78.0 0.0 155.6

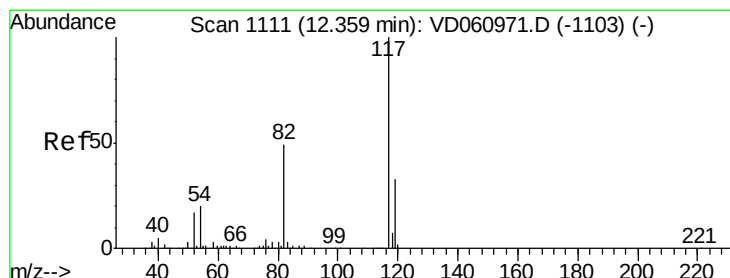
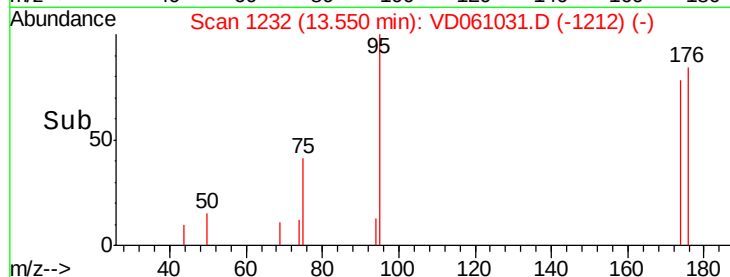
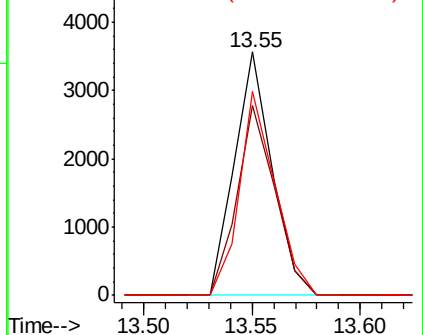
176 83.8 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061031.D

Acq: 12 Mar 2019 18:27

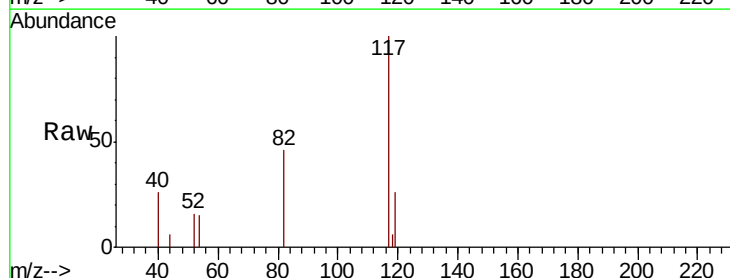
Tgt Ion: 117 Resp: 9441

Ion Ratio Lower Upper

117 100

82 46.3 38.9 58.3

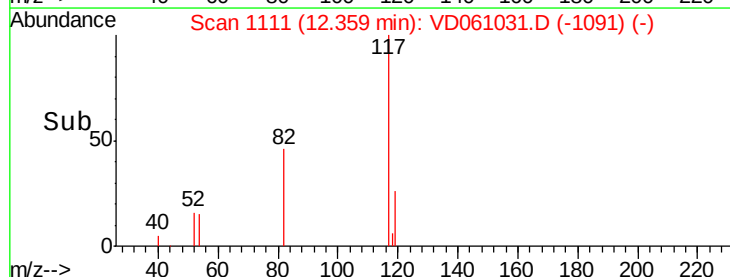
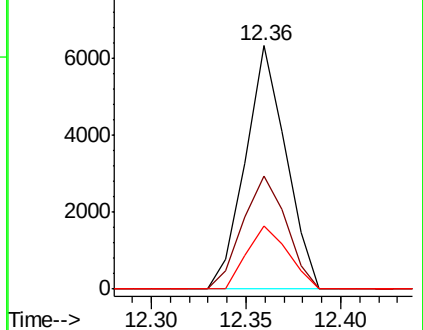
119 26.2 26.6 39.8#

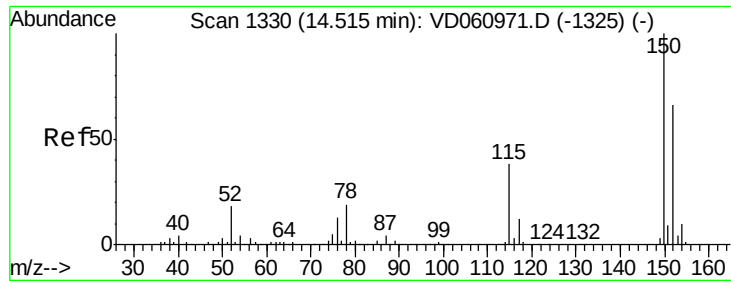


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061031.D

Acq: 12 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

P-2RE

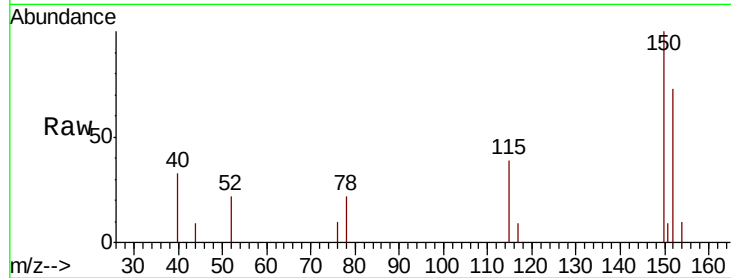
Tgt Ion:152 Resp: 3828

Ion Ratio Lower Upper

152 100

115 53.3 28.6 85.9

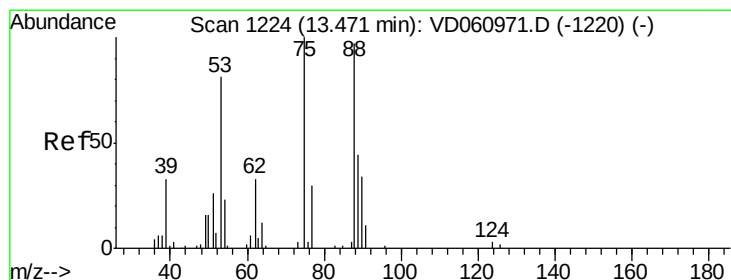
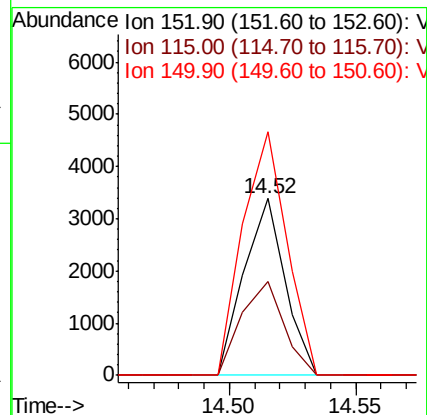
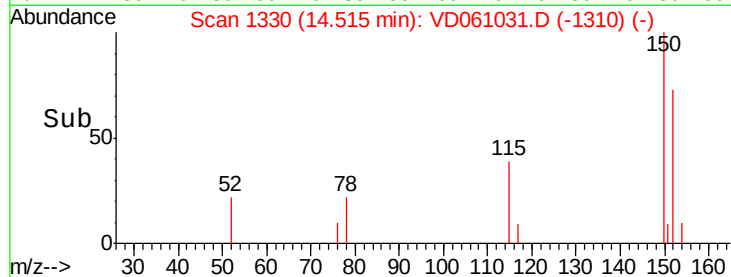
150 137.6 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 98.605 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061031.D

Acq: 12 Mar 2019 18:27

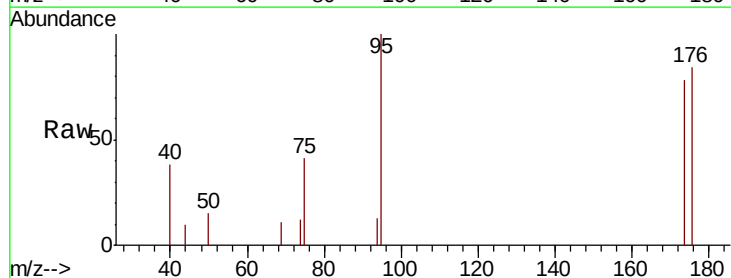
Tgt Ion: 75 Resp: 1601

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

