

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061211.D
 Acq On : 20 Mar 2019 16:41
 Operator : VA/AP
 Sample : K1984-01RE
 Misc : 4.95g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12(7-8)RE

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 10:56:28 AM

Quant Time: Mar 22 10:55:10 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	167407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	339189	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	167415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	38379m	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	140900	101.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	202.24%	
35) Dibromofluoromethane	6.91	113	186568	74.12	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	148.24%	
50) Toluene-d8	10.40	98	373785	59.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.26%	
62) 4-Bromofluorobenzene	13.54	95	700564	285.62	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	571.24%	
Target Compounds						
16) Acetone	3.21	43	95704	240.175	ug/l	98
20) Methylene Chloride	3.81	84	19005	6.393	ug/l	84
31) Cyclohexane	6.95	56	70850	28.733	ug/l	95
83) tert-Butylbenzene	14.19	119	286251	124.568	ug/l	81

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

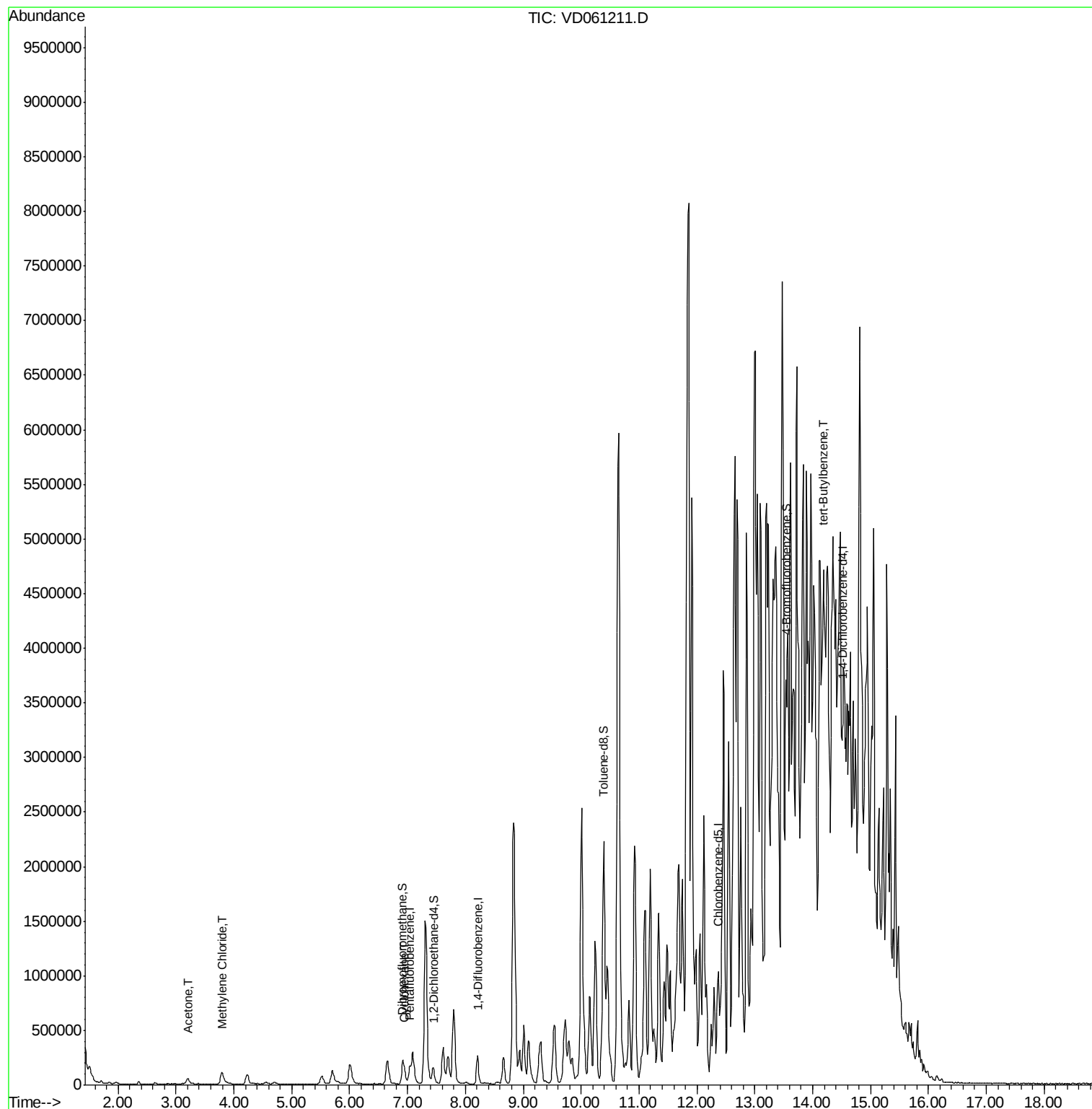
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\
Data File : VD061211.D
Acq On : 20 Mar 2019 16:41
Operator : VA/AP
Sample : K1984-01RE
Misc : 4.95g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

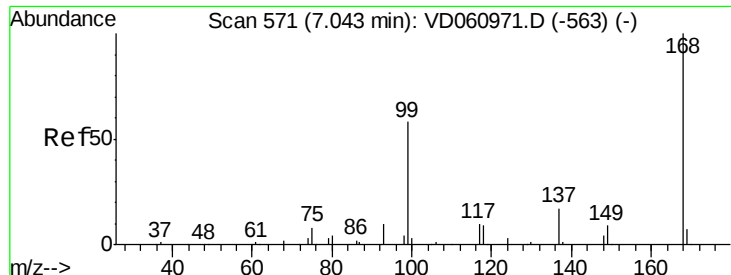
Instrument :
MSVOA_D
ClientSampleId :
SB-12(7-8)RE

Manual Integrations
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Quant Time: Mar 22 10:55:10 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: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

SB-12(7-8)RE

Tot Ion:168 Resp: 167407

Ion Ratio Lower Upper

168 100

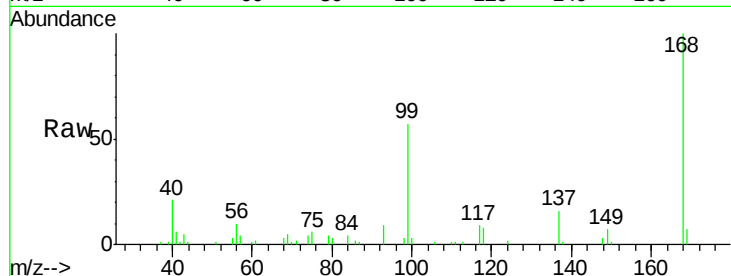
99 57.2 47.3 70.9

Manual Integrations

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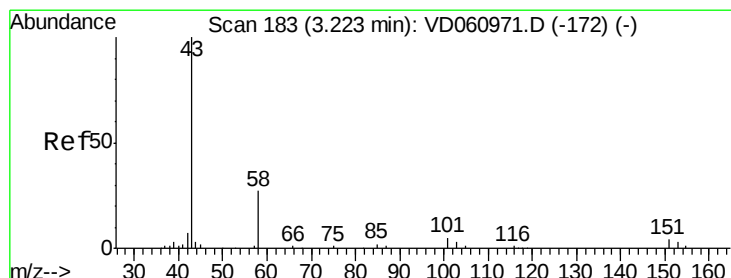
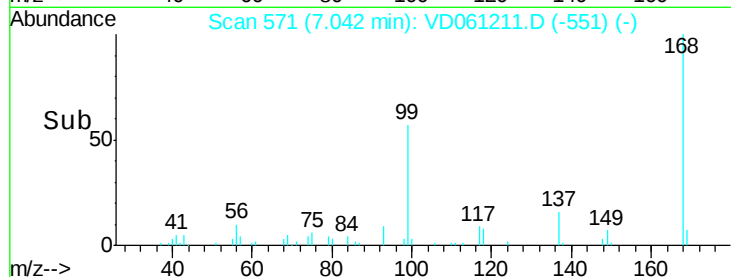
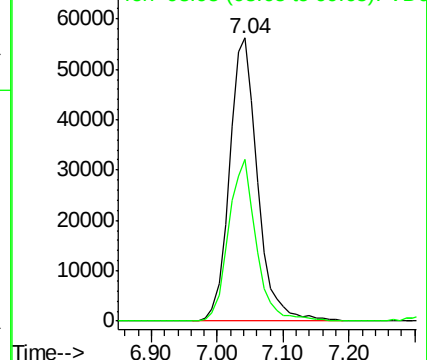
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 240.175 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061211.D

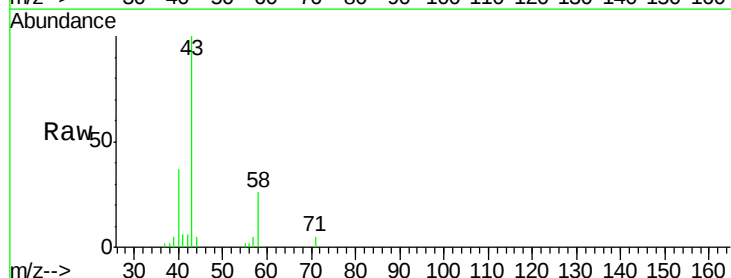
Acq: 20 Mar 2019 16:41

Tgt Ion: 43 Resp: 95704

Ion Ratio Lower Upper

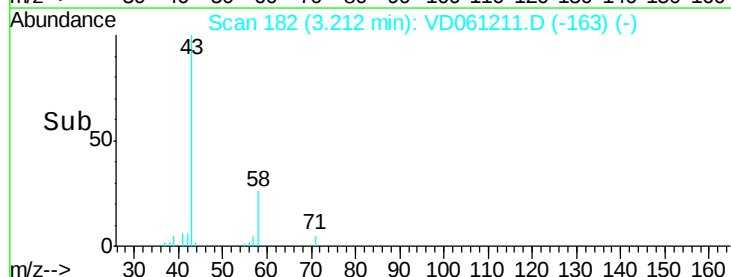
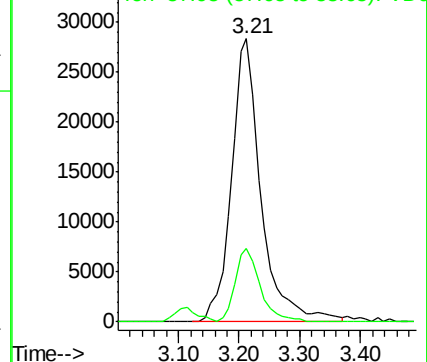
43 100

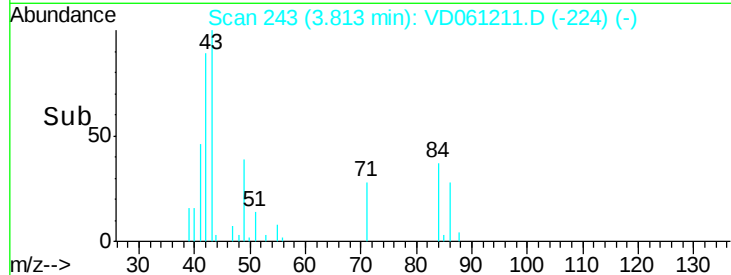
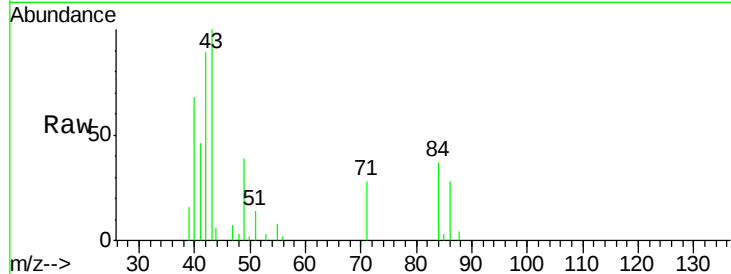
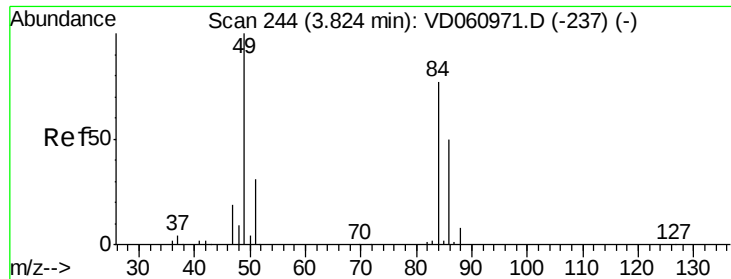
58 26.2 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





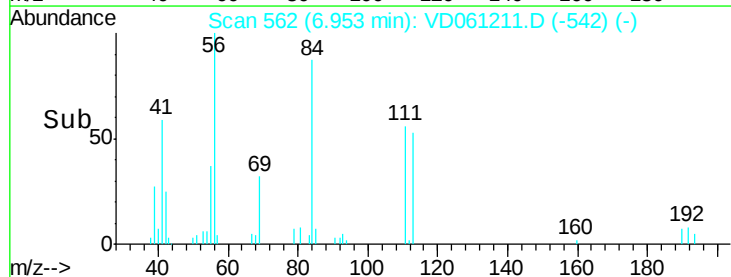
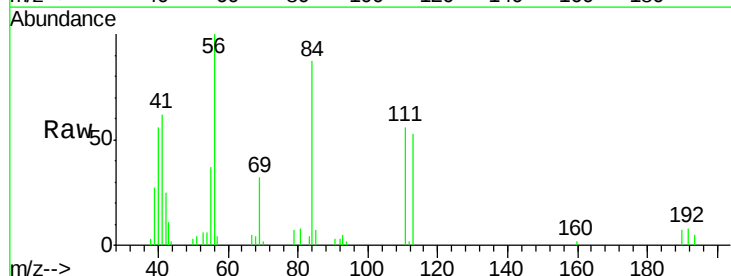
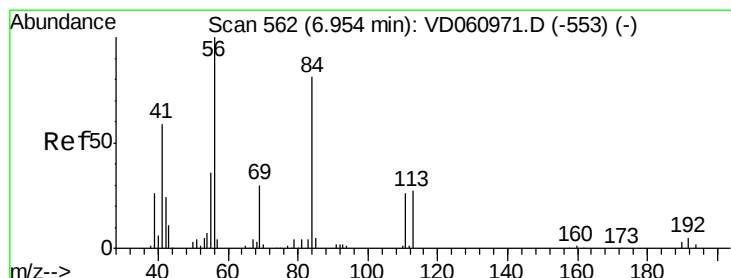
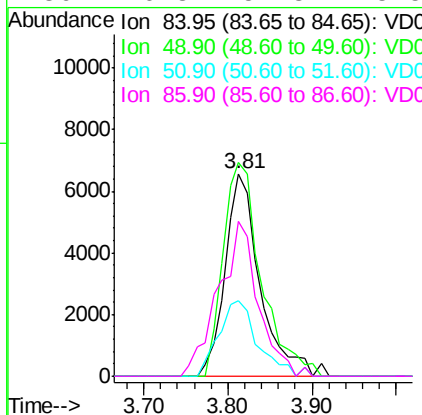
#20
Methylene Chloride
Concen: 6.393 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tot Ion:	84	Resp:	19005
Ion	Ratio	Lower	Upper
84	100		
49	105.5	104.2	156.2
51	37.5	32.3	48.5
86	76.3	52.3	78.5

Instrument :
MSVOA_D
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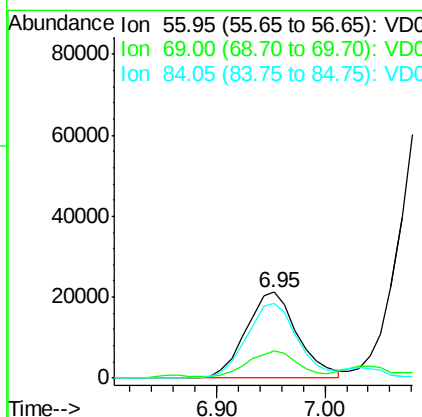
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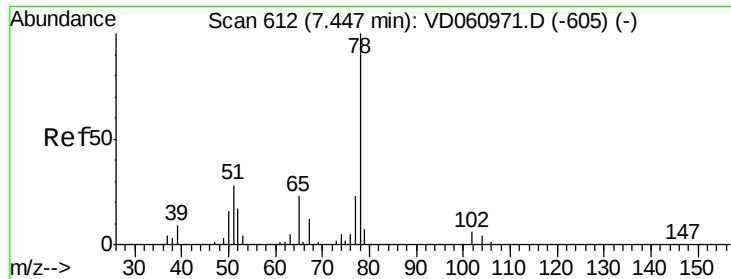
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#31
Cyclohexane
Concen: 28.733 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion:	56	Resp:	70850
Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.0	36.0
84	87.0	65.8	98.6





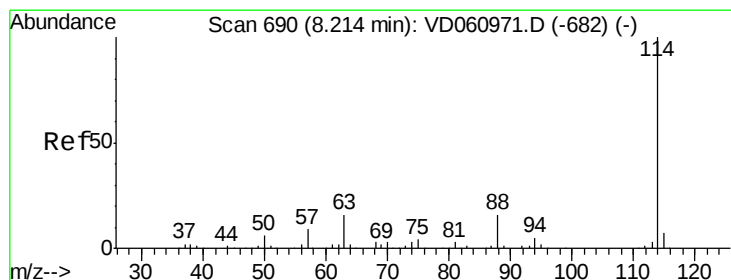
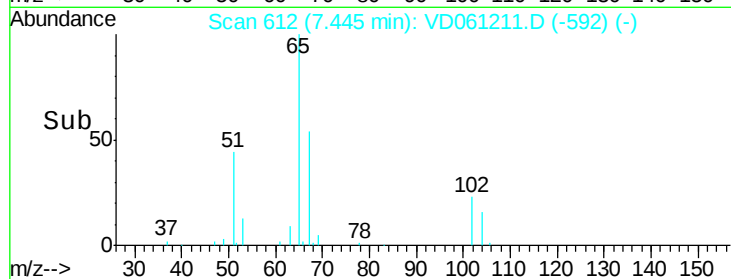
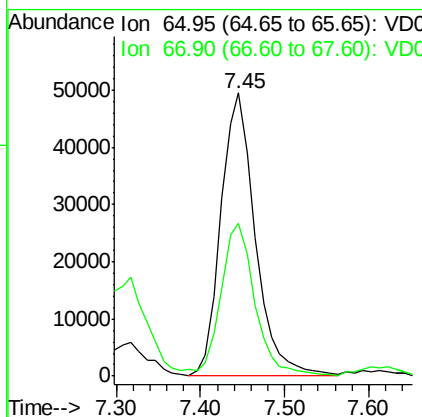
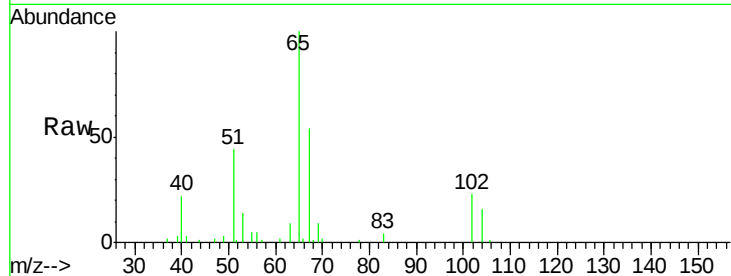
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061211.D
 Acq: 20 Mar 2019 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12(7-8)RE

Tot Ion: 65 Resp: 140900
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.2

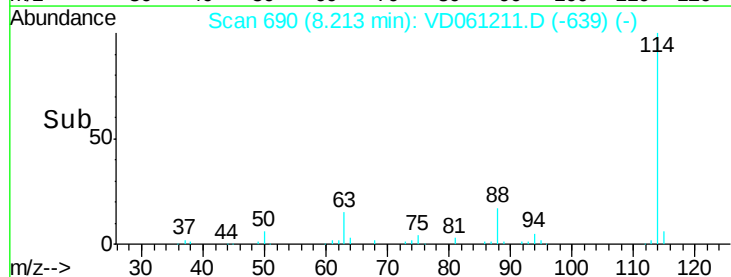
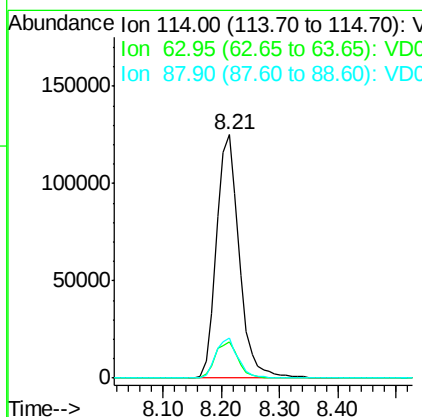
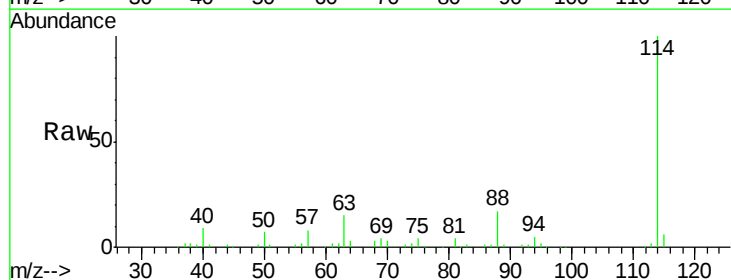
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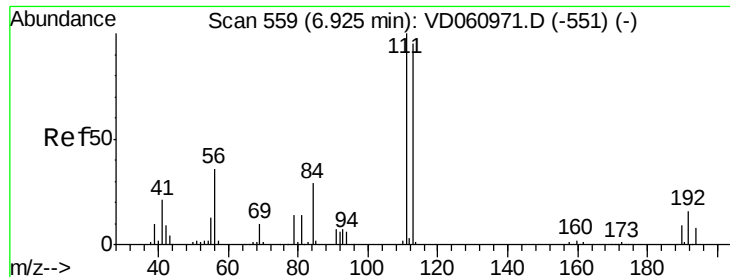
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061211.D
 Acq: 20 Mar 2019 16:41

Tgt Ion: 114 Resp: 339189
 Ion Ratio Lower Upper
 114 100
 63 14.7 0.0 31.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

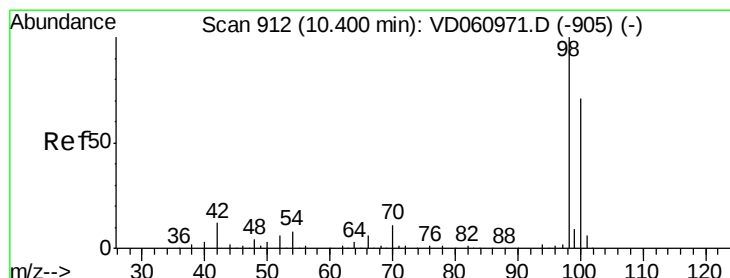
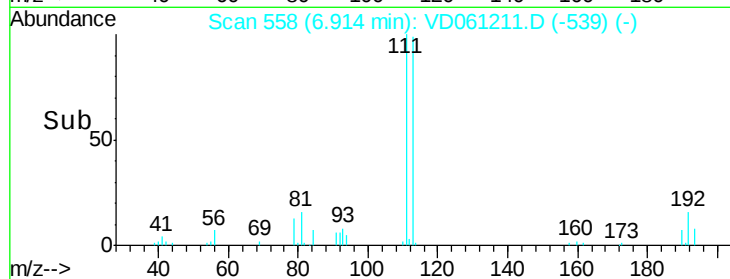
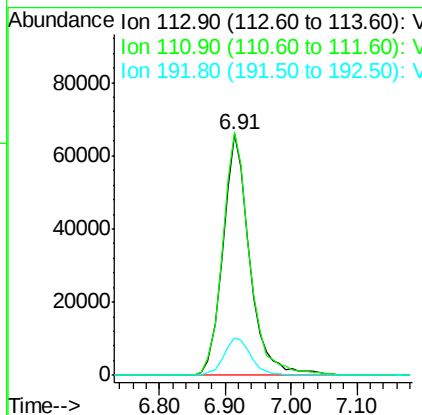
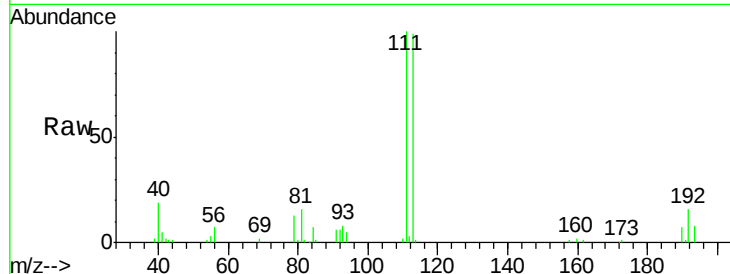
ClientSampleId :

SB-12(7-8)RE

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186568		
111	101.2	84.2	126.4	
192	15.7	13.1	19.7	

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#50

Toluene-d8

Concen: N.D. ug/l

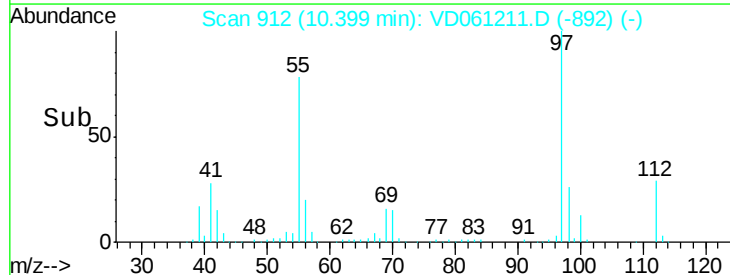
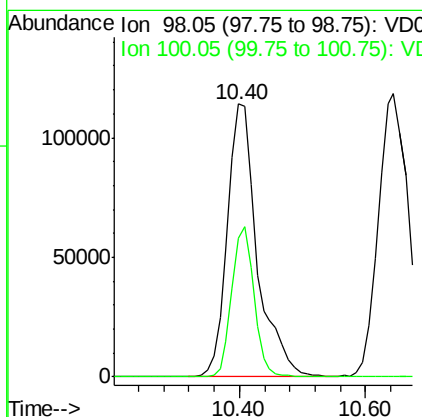
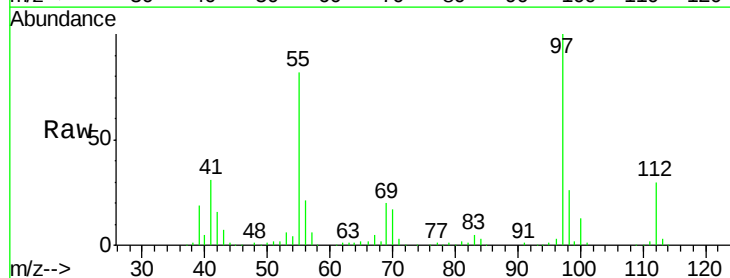
RT: 10.40 min Scan# 912

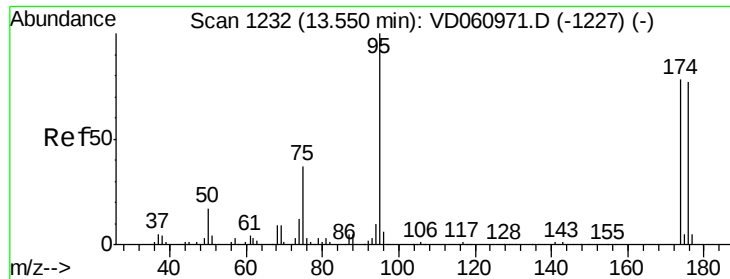
Delta R.T. -0.00 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	373785		
100	50.7	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: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

SB-12(7-8)RE

Tot Ion: 95 Resp: 700564

Ion Ratio Lower Upper

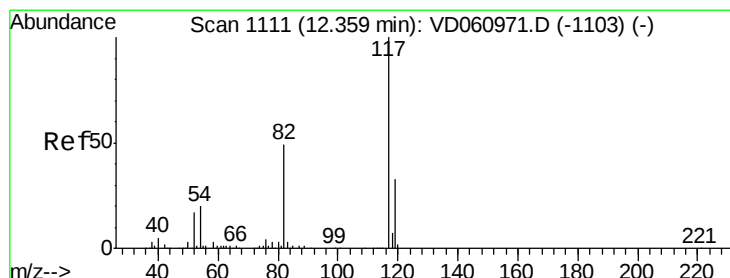
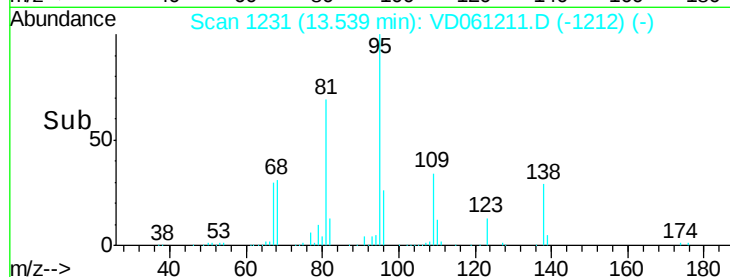
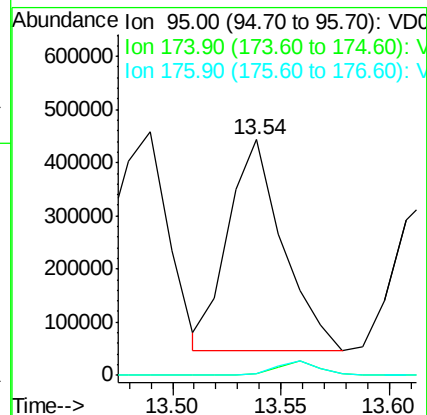
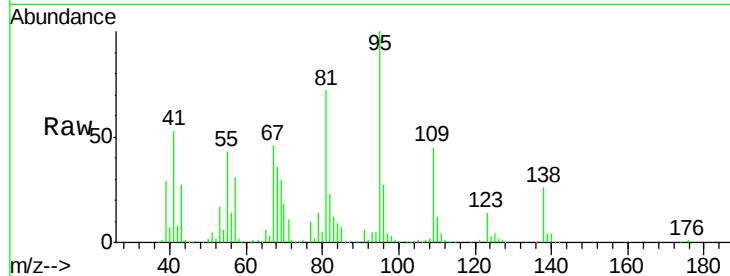
95 100

174 0.5 0.0 155.6

176 0.5 0.0 153.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

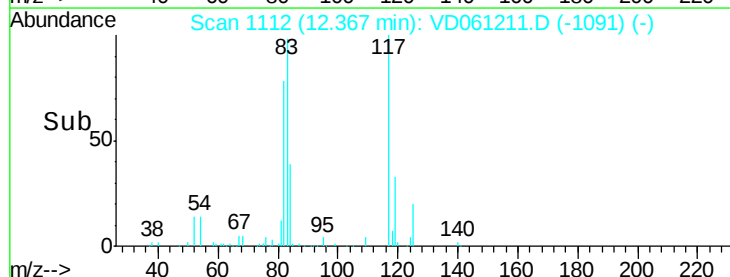
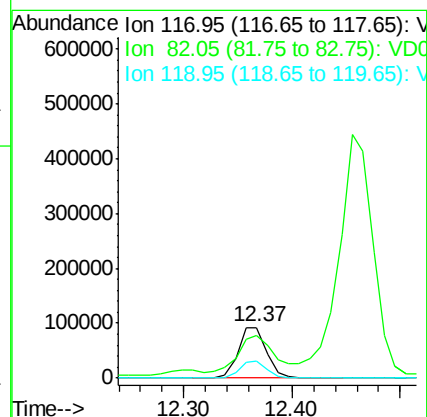
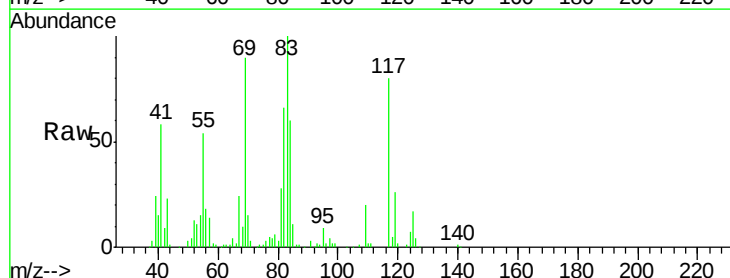
Tgt Ion: 117 Resp: 167415

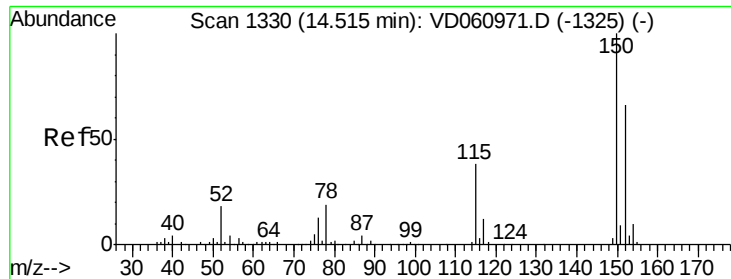
Ion Ratio Lower Upper

117 100

82 83.3 38.9 58.3#

119 33.1 26.6 39.8





#72

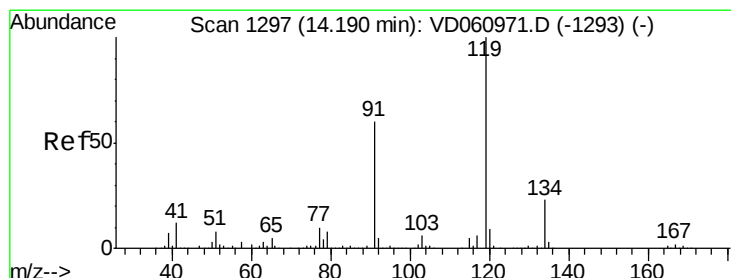
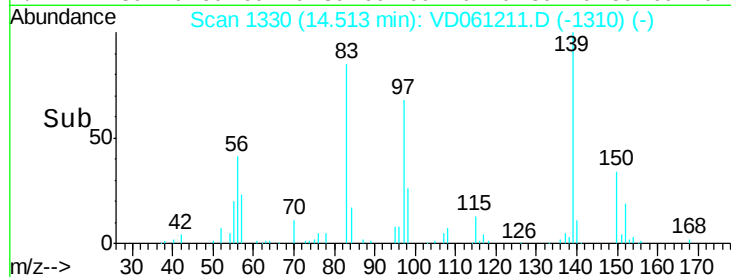
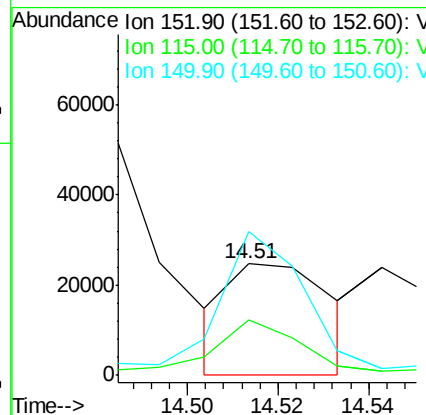
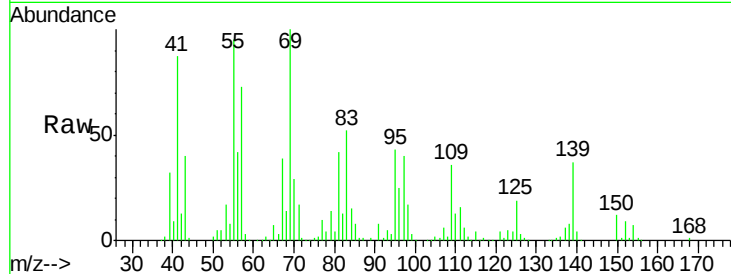
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :
SB-12(7-8)RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.0	28.6	85.9
150	129.4	0.0	310.6

Manual Integrations
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#83

tert-Butylbenzene
Concen: 124.568 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
119	100		
91	79.3	30.1	90.3
134	22.4	11.6	34.7

