

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061091.D
 Acq On : 15 Mar 2019 17:11
 Operator : VA/AP
 Sample : K1901-09RE
 Misc : 4.08g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16(0.5-1.5)RE

Quant Time: Mar 16 05:43:43 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	7.07	168	505540	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	893192	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	540993	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	125840	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	216564	51.46	ug/l	0.03
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	6.95	113	331095	49.95	ug/l	0.03
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.44	98	678431	40.76	ug/l	0.04
Spiked Amount			Recovery	=	81.52%	
62) 4-Bromofluorobenzene	13.57	95	173308	26.83	ug/l	0.02
Spiked Amount			Recovery	=	53.66%	

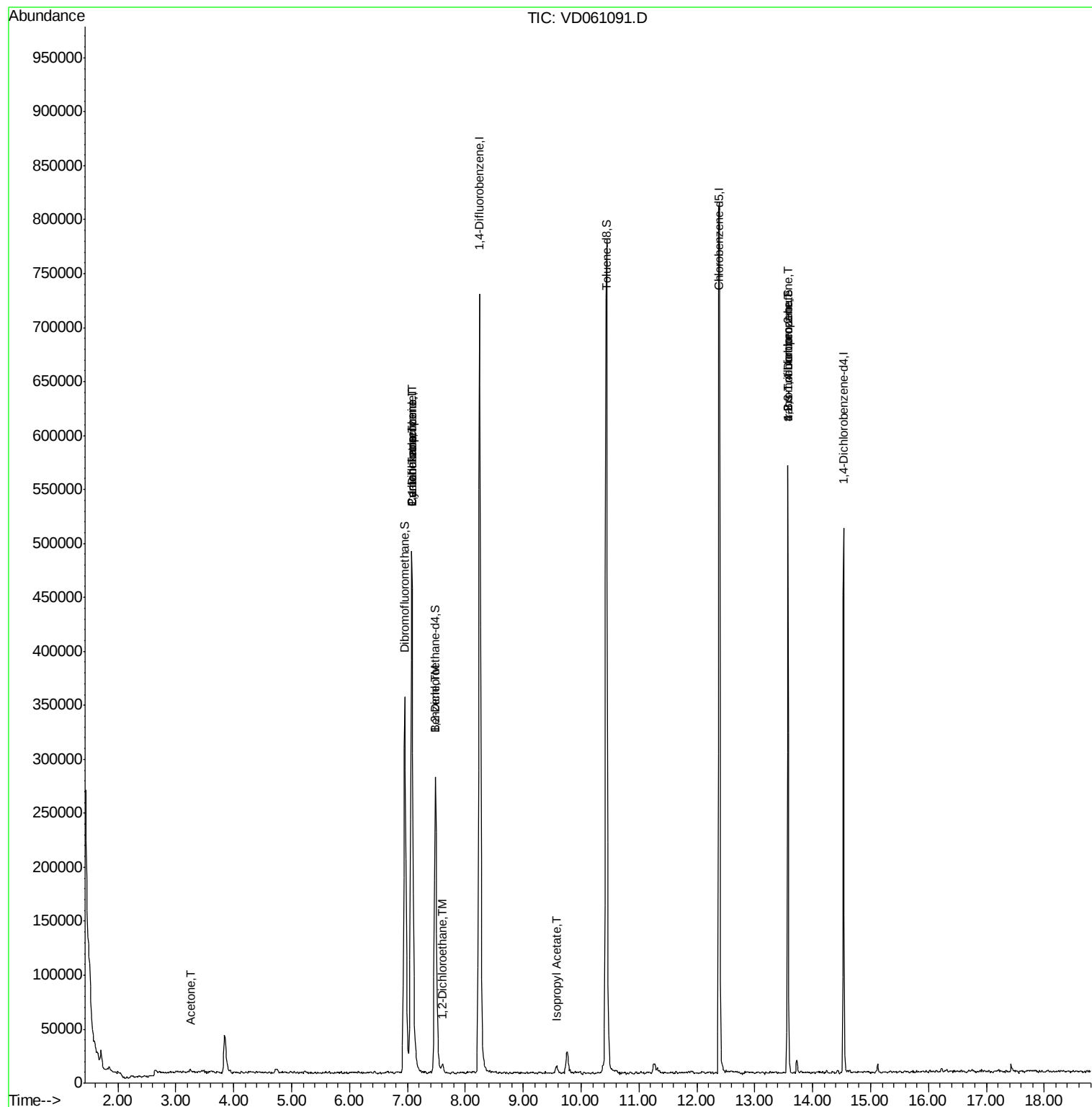
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.23	94	196	Below Cal	#	8
16) Acetone	3.24	43	6367	5.291	ug/l #	88
31) Cyclohexane	7.07	56	7793	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	36667	4.762	ug/l #	46
38) Carbon Tetrachloride	7.08	117	49507	5.837	ug/l #	14
40) Benzene	7.49	78	84834	4.410	ug/l	99
42) 1,2-Dichloroethane	7.61	62	7262	1.301	ug/l	73
43) Isopropyl Acetate	9.58	43	6016	1.202	ug/l #	43
76) 1,2,3-Trichloropropane	13.57	75	60055	33.172	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	62712	117.492	ug/l #	17

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

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SB-16(0.5-1.5)RE

Quant Time: Mar 16 05:43:43 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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

Instrument :

MSVOA_D

ClientSampleId :

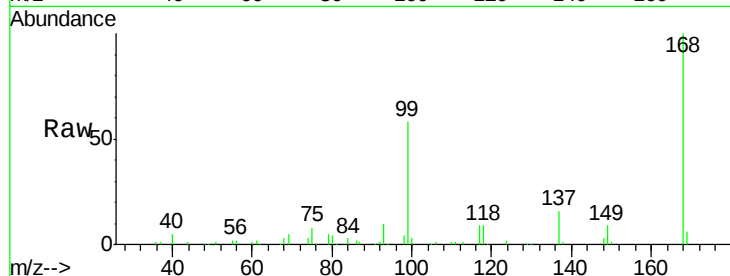
SB-16(0.5-1.5)RE

Tot Ion:168 Resp: 505540

Ion Ratio Lower Upper

168 100

99 57.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

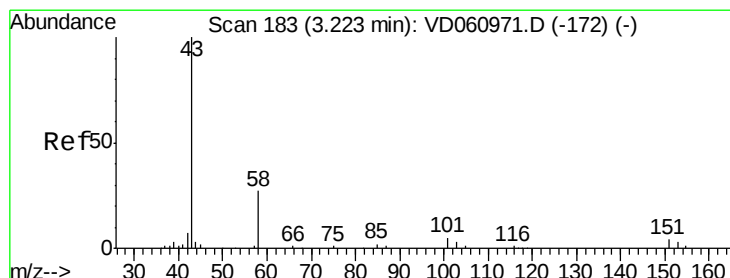
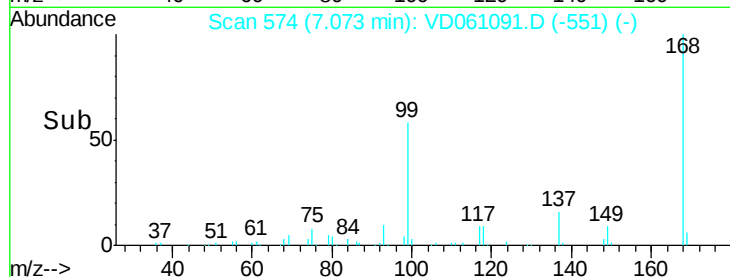
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.291 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061091.D

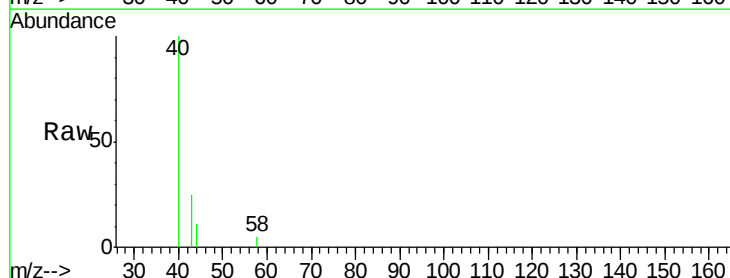
Acq: 15 Mar 2019 17:11

Tgt Ion: 43 Resp: 6367

Ion Ratio Lower Upper

43 100

58 20.6 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2500

2000

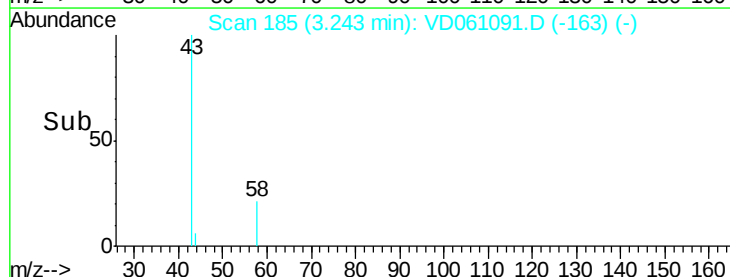
1500

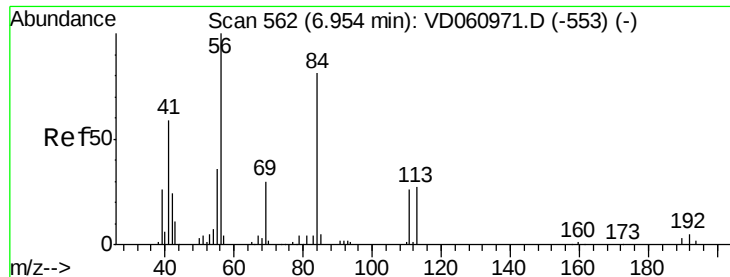
1000

500

0

Time-->

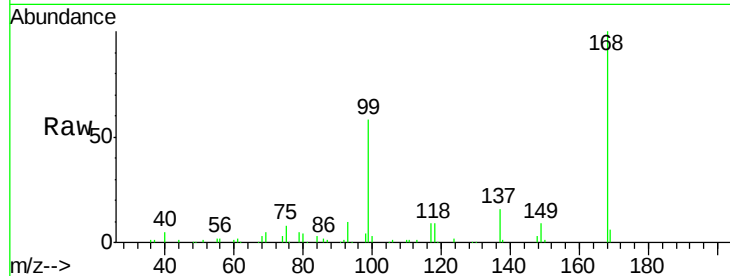




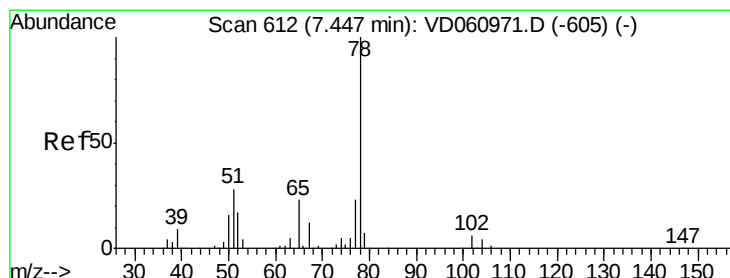
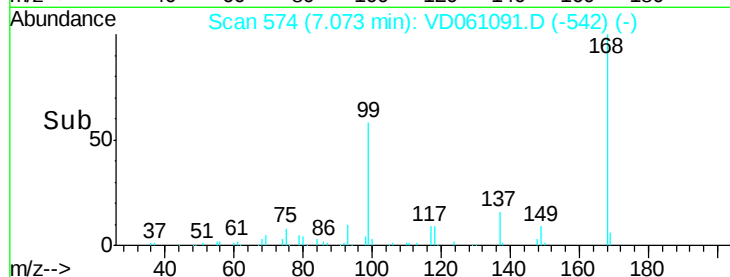
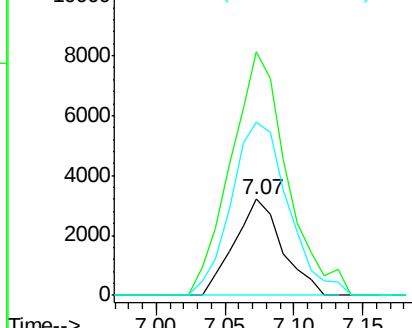
#31
Cyclohexane
Concen: 1.047 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.12 min
Lab File: VD061091.D
Acq: 15 Mar 2019 17:11

Instrument :
MSVOA_D
ClientSampleId :
SB-16(0.5-1.5)RE

Tot Ion: 56 Resp: 7793
Ion Ratio Lower Upper
56 100
69 253.0 24.0 36.0#
84 179.9 65.8 98.6#

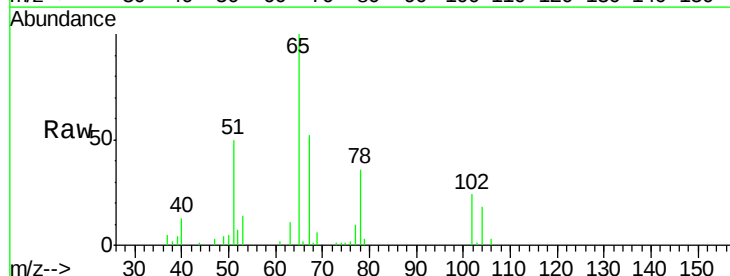


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

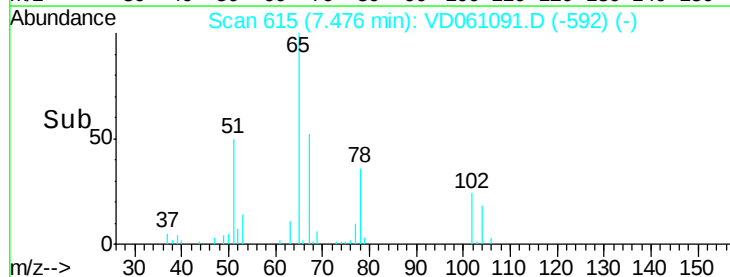
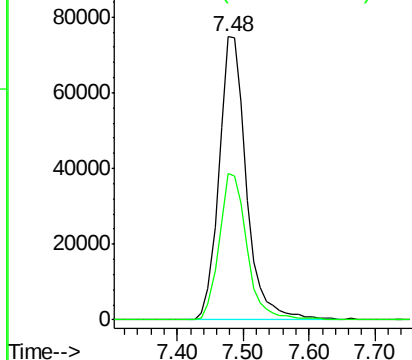


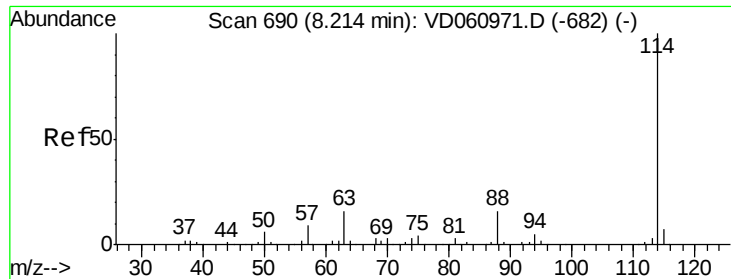
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061091.D
Acq: 15 Mar 2019 17:11

Tgt Ion: 65 Resp: 216564
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



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: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)RE

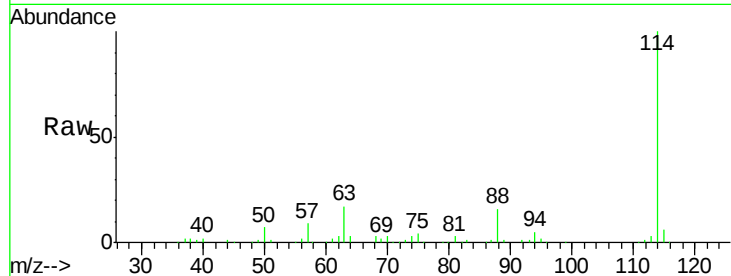
Tot Ion:114 Resp: 893192

Ion Ratio Lower Upper

114 100

63 16.7 0.0 31.4

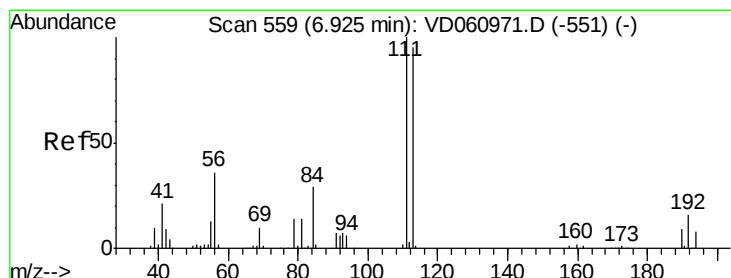
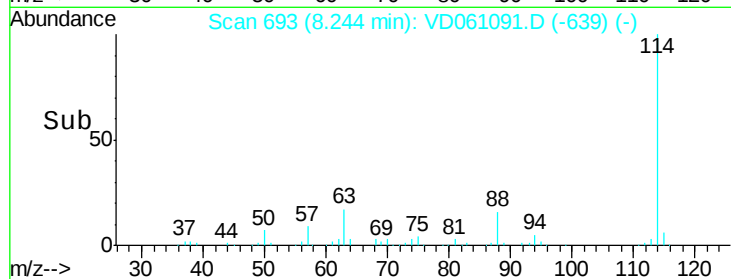
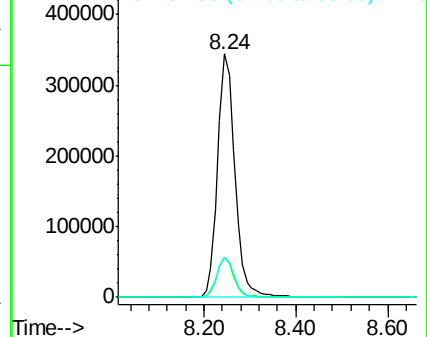
88 16.4 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

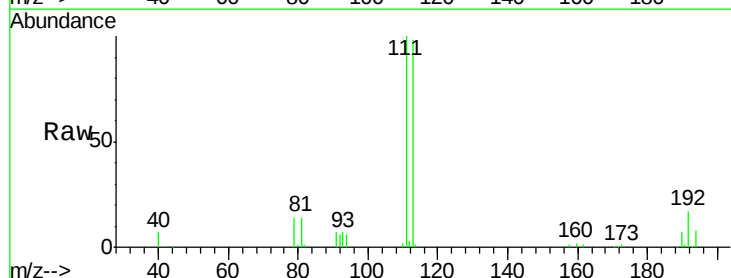
Tgt Ion:113 Resp: 331095

Ion Ratio Lower Upper

113 100

111 102.1 84.2 126.4

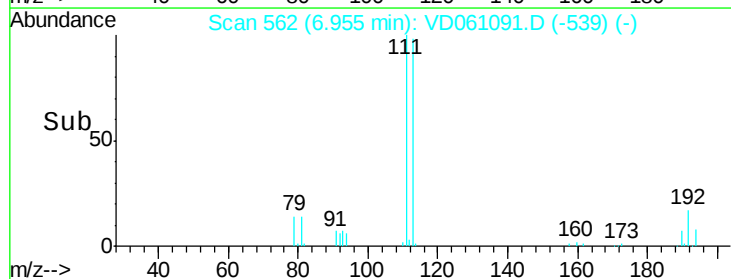
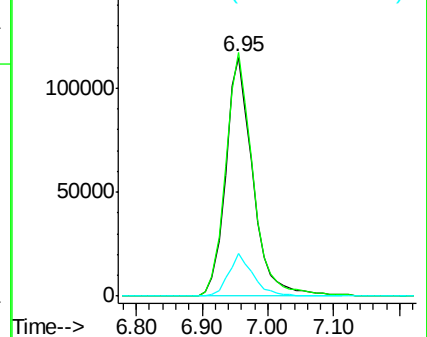
192 17.7 13.1 19.7

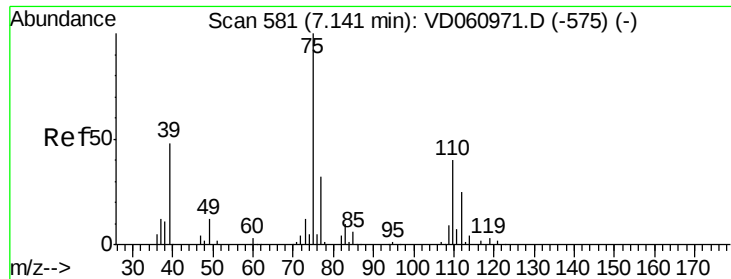


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

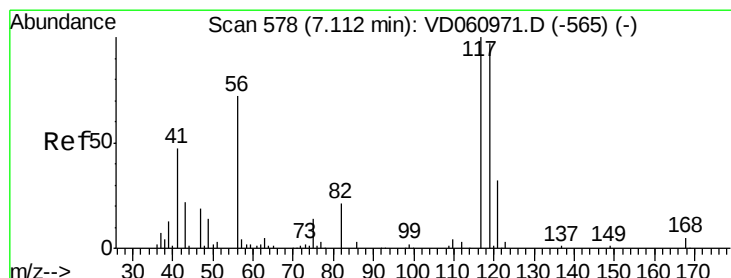
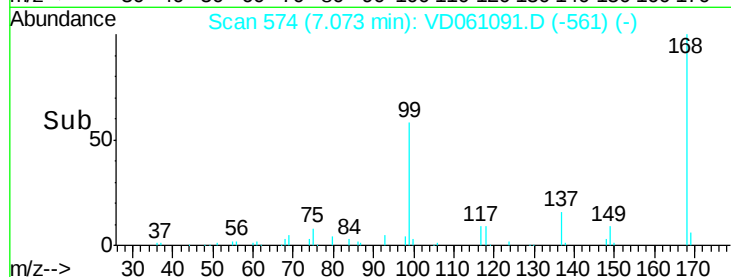
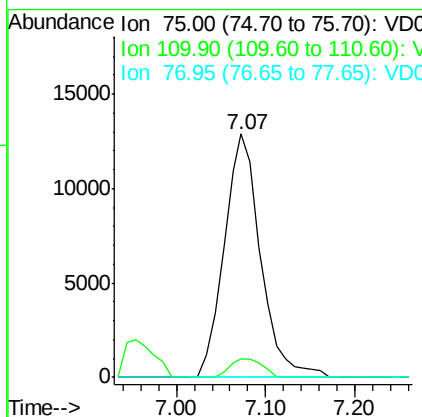
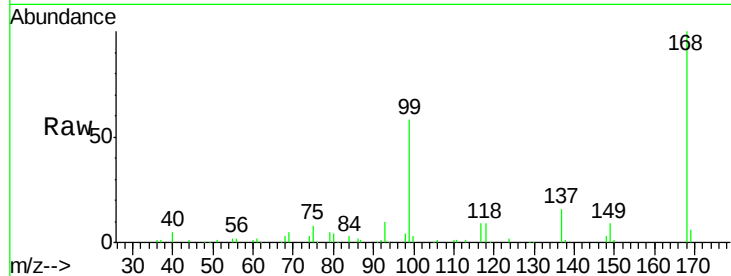




#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD061091.D
 Acq: 15 Mar 2019 17:11

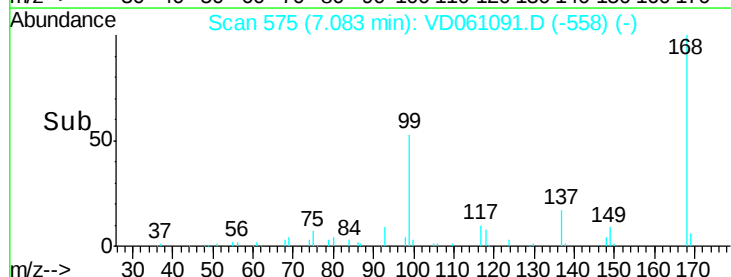
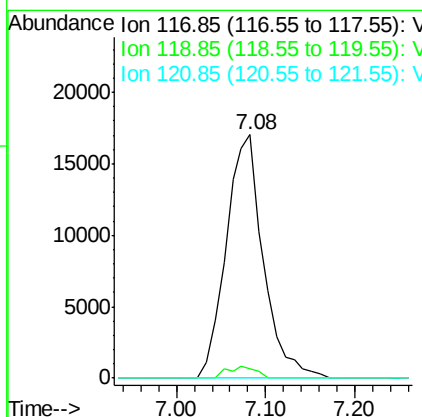
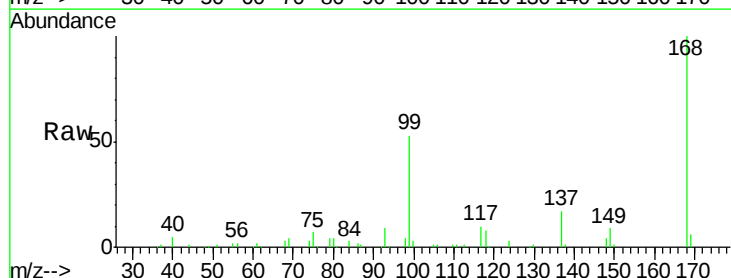
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16(0.5-1.5)RE

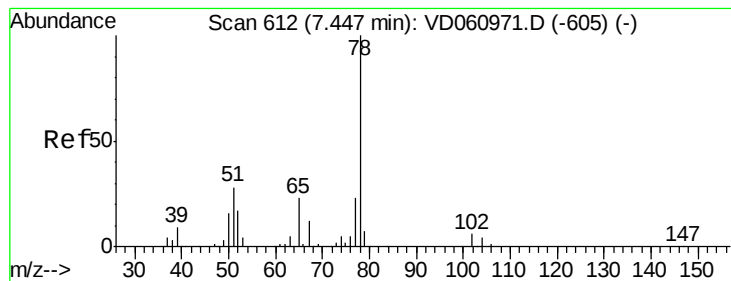
Tot Ion	75	Resp	36667
Ion Ratio	Lower	Upper	
75	100		
110	7.3	19.7	59.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.837 ug/l
 RT: 7.08 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD061091.D
 Acq: 15 Mar 2019 17:11

Tgt Ion	117	Resp	49507
Ion Ratio	Lower	Upper	
117	100		
119	3.6	77.8	116.8#
121	0.0	25.3	37.9#





#40

Benzene

Concen: 4.410 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.04 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

Instrument :

MSVOA_D

ClientSampleId :

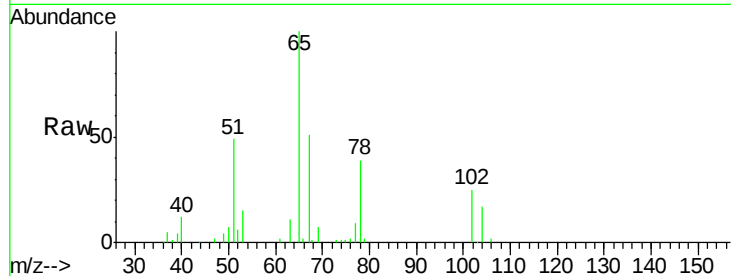
SB-16(0.5-1.5)RE

Tot Ion: 78 Resp: 84834

Ion Ratio Lower Upper

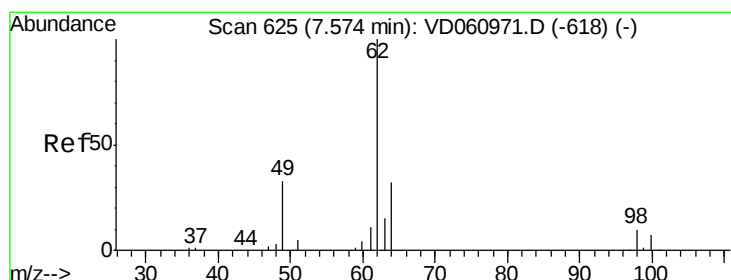
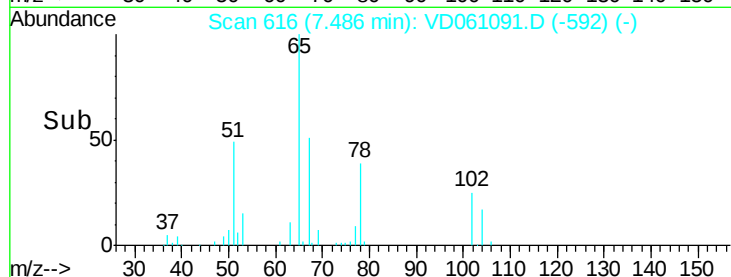
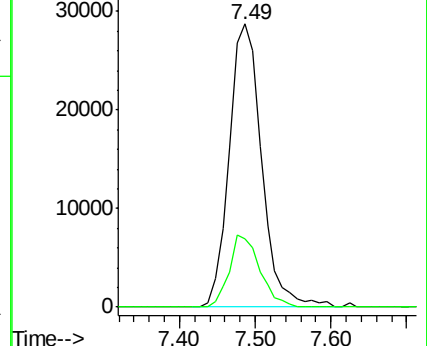
78 100

77 24.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#42

1,2-Dichloroethane

Concen: 1.301 ug/l

RT: 7.61 min Scan# 629

Delta R.T. 0.04 min

Lab File: VD061091.D

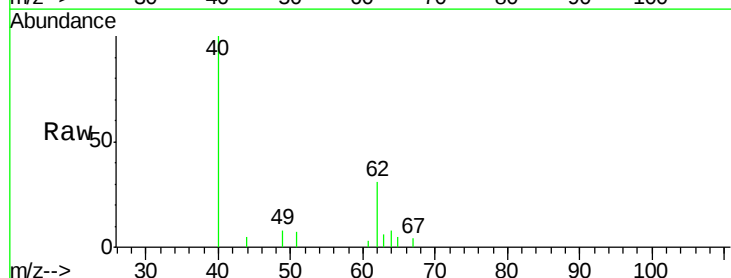
Acq: 15 Mar 2019 17:11

Tgt Ion: 62 Resp: 7262

Ion Ratio Lower Upper

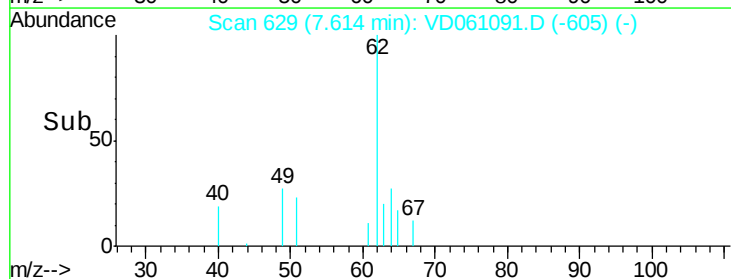
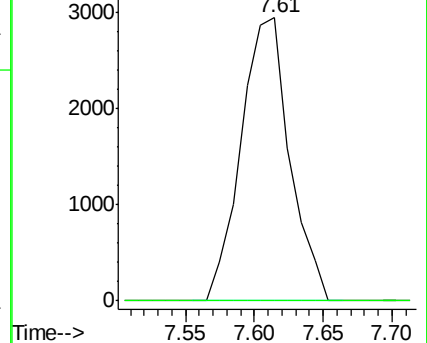
62 100

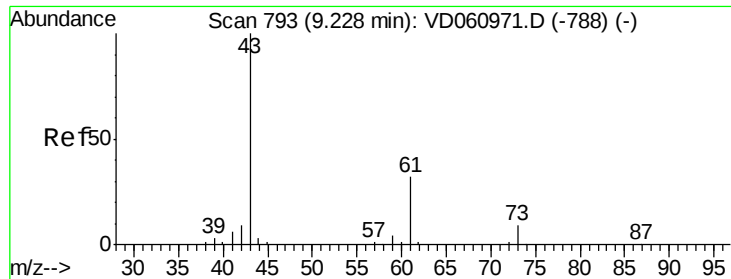
98 0.0 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 1.202 ug/l

RT: 9.58 min Scan# 829

Delta R.T. 0.35 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)RE

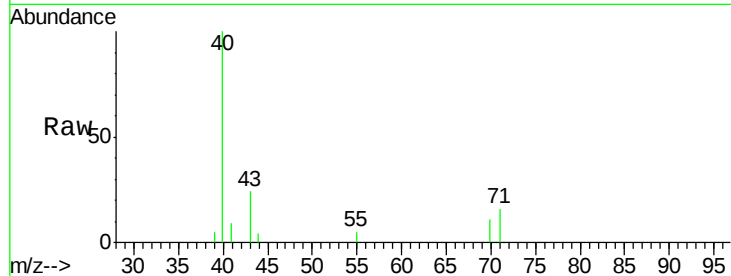
Tot Ion: 43 Resp: 6016

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

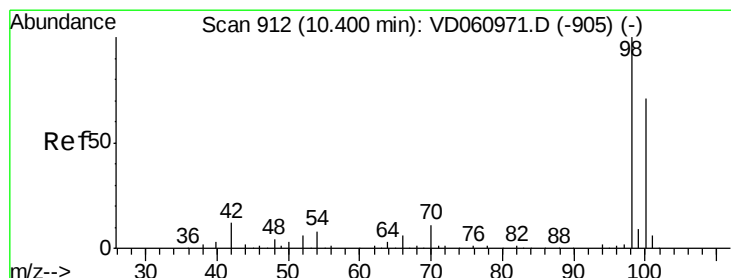
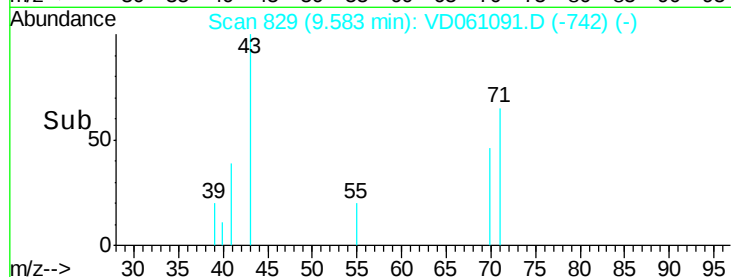
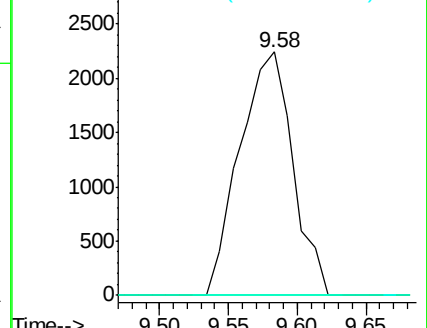
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.04 min

Lab File: VD061091.D

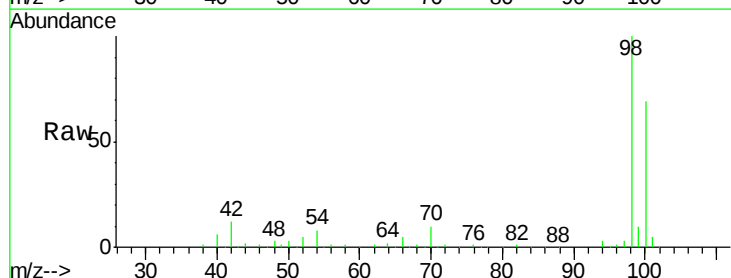
Acq: 15 Mar 2019 17:11

Tgt Ion: 98 Resp: 678431

Ion Ratio Lower Upper

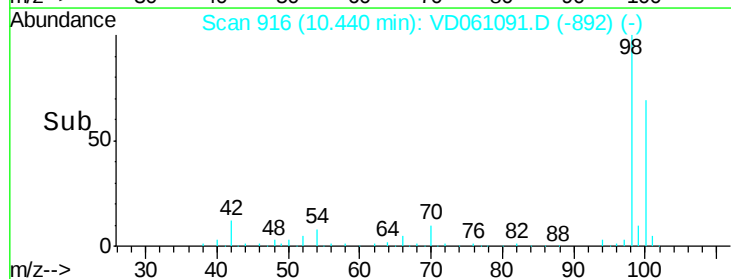
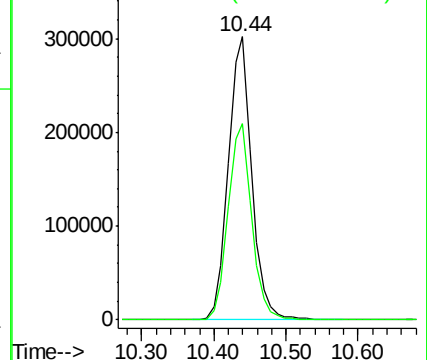
98 100

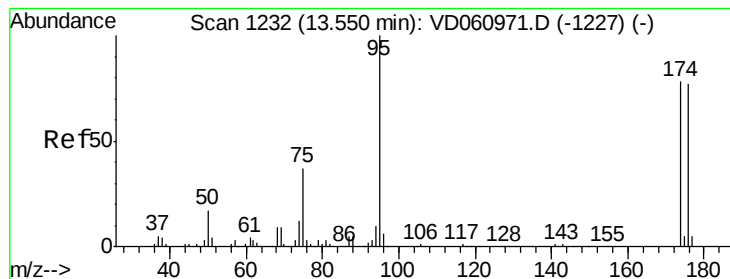
100 69.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)RE

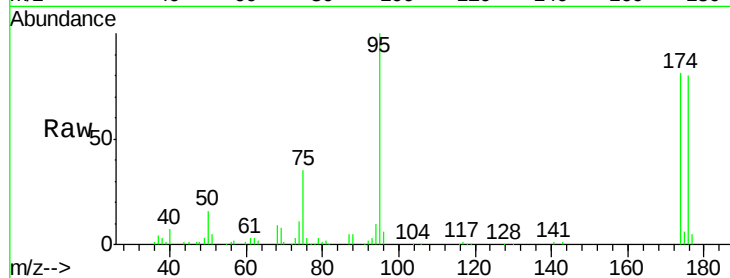
Tot Ion: 95 Resp: 173308

Ion Ratio Lower Upper

95 100

174 81.0 0.0 155.6

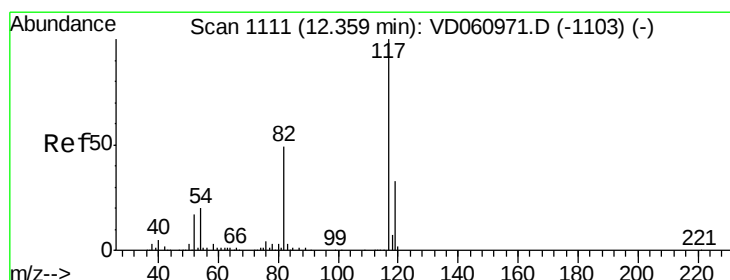
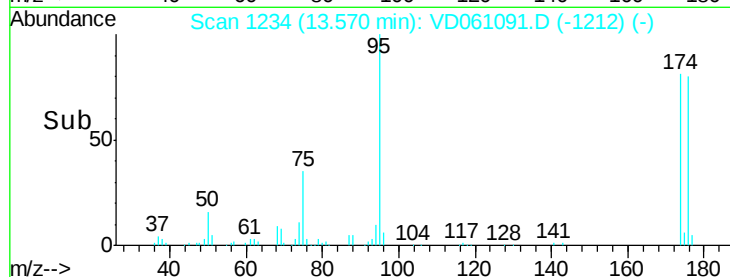
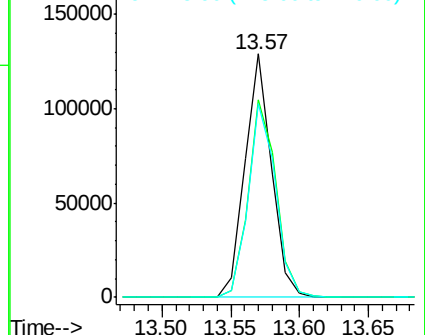
176 79.5 0.0 153.8



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: 12.39 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

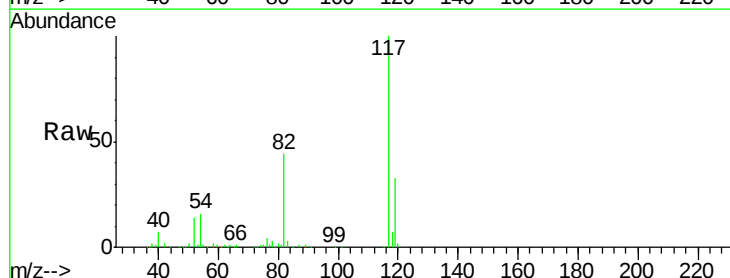
Tgt Ion: 117 Resp: 540993

Ion Ratio Lower Upper

117 100

82 43.5 38.9 58.3

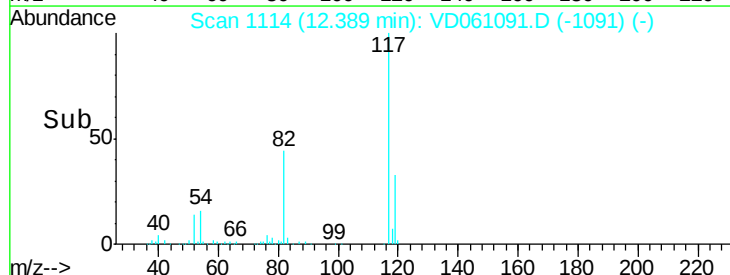
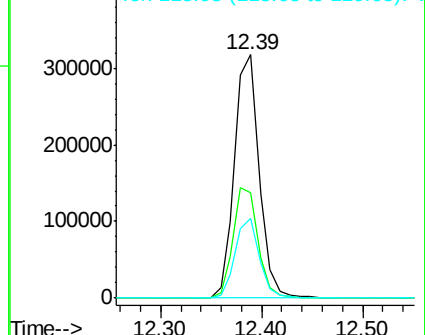
119 32.9 26.6 39.8

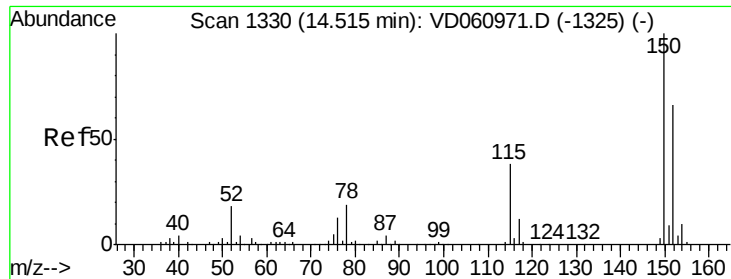


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)RE

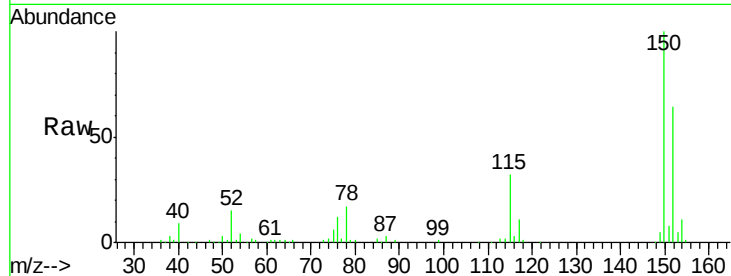
Tot Ion:152 Resp: 125840

Ion Ratio Lower Upper

152 100

115 51.1 28.6 85.9

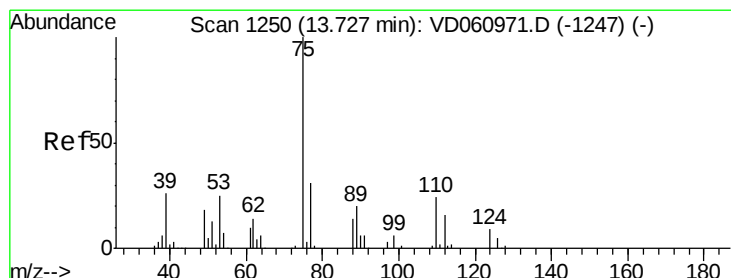
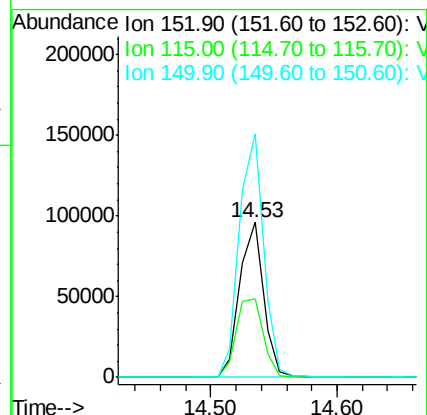
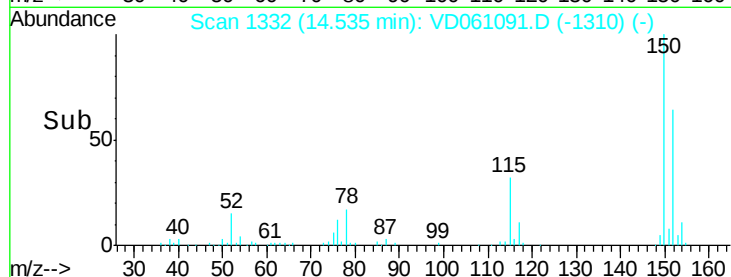
150 157.3 0.0 310.6



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



#76

1,2,3-Trichloropropane

Concen: 33.172 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061091.D

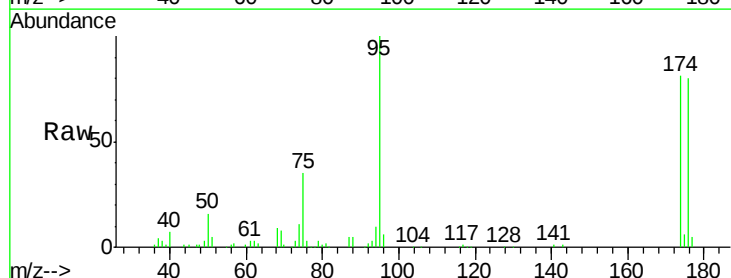
Acq: 15 Mar 2019 17:11

Tgt Ion: 75 Resp: 60055

Ion Ratio Lower Upper

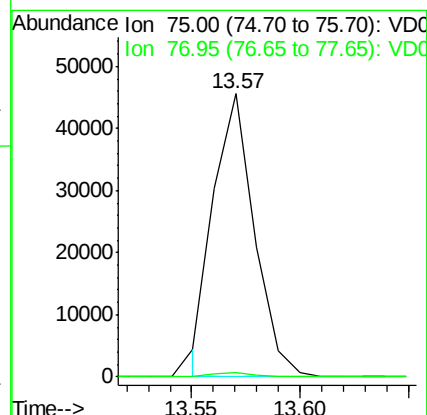
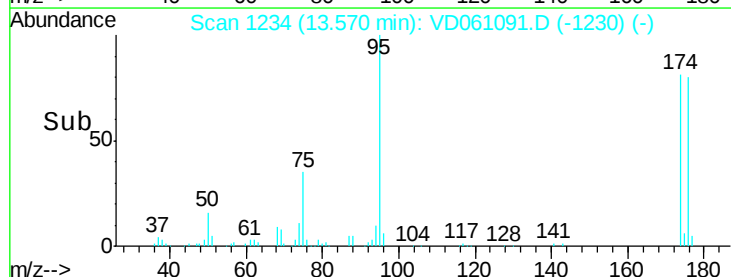
75 100

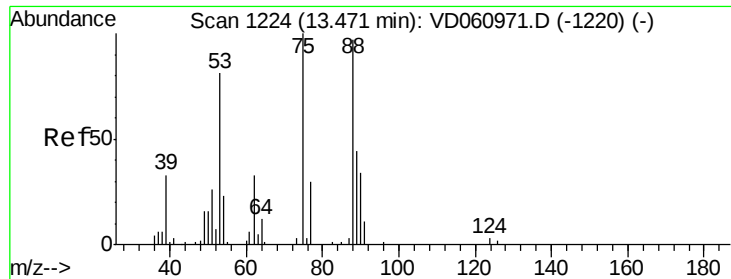
77 1.3 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 117.492 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061091.D

Acq: 15 Mar 2019 17:11

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)RE

Tot Ion: 75 Resp: 62712

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

