

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061088.D
 Acq On : 15 Mar 2019 15:46
 Operator : VA/AP
 Sample : K1901-06RE
 Misc : 3.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 SB-4(7-8)RE

Quant Time: Mar 16 05:43:11 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	7.08	168	321497	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	615045	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	322535	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	58280	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	206771	77.27	ug/l	0.04
Spiked Amount 50.000			Recovery	=	154.54%	
35) Dibromofluoromethane	6.96	113	302208	66.21	ug/l	0.04
Spiked Amount 50.000			Recovery	=	132.42%	
50) Toluene-d8	10.43	98	430341	37.54	ug/l	0.04
Spiked Amount 50.000			Recovery	=	75.08%	
62) 4-Bromofluorobenzene	13.57	95	97801	21.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	43.98%	

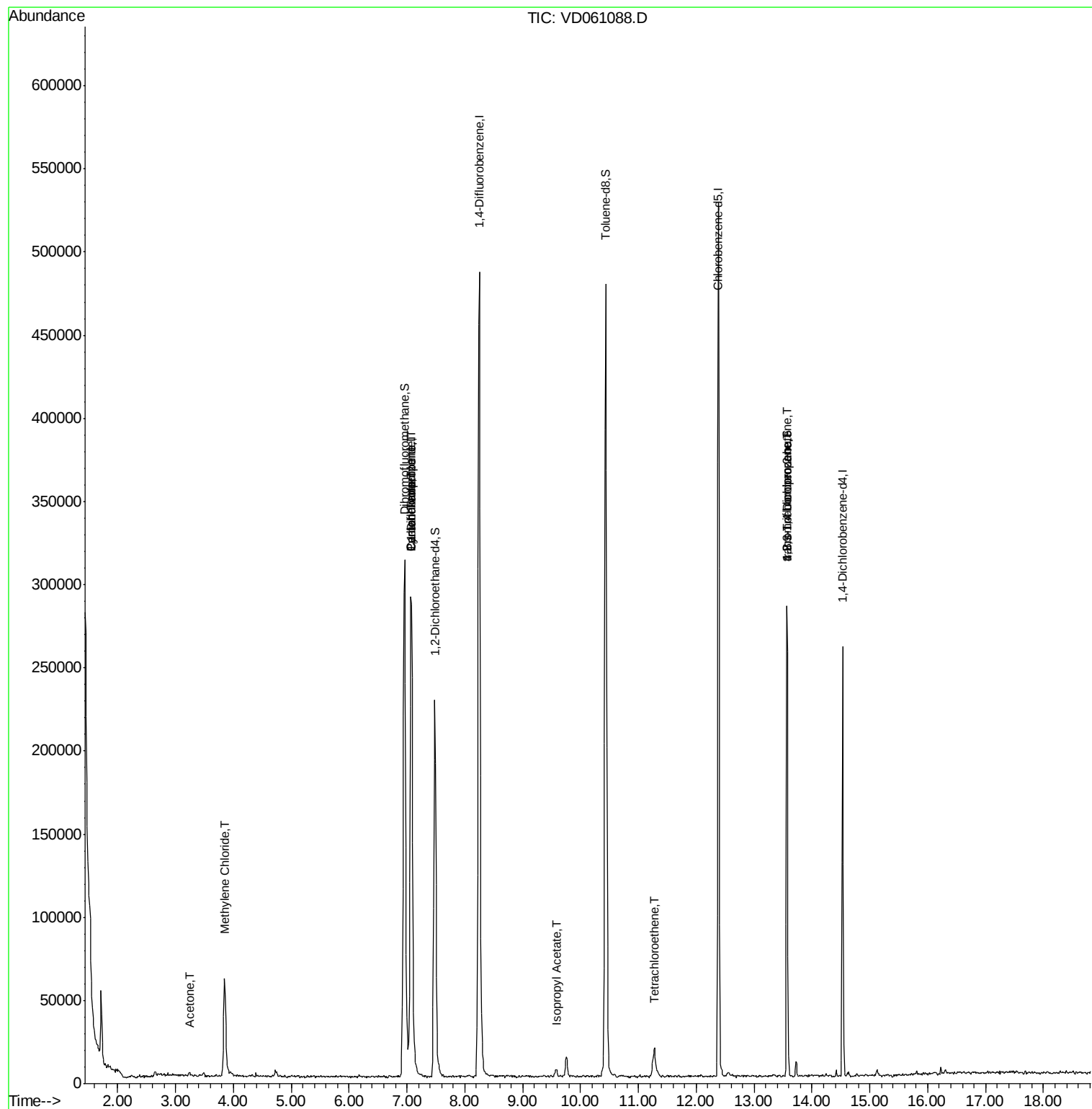
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	197	Below Cal	#	8
16) Acetone	3.25	43	4152	5.426	ug/l #	48
20) Methylene Chloride	3.85	84	45463	9.226	ug/l	99
31) Cyclohexane	7.07	56	4928	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	24127	4.551	ug/l #	46
38) Carbon Tetrachloride	7.07	117	30319	5.192	ug/l #	16
43) Isopropyl Acetate	9.58	43	3618	1.050	ug/l #	43
64) Tetrachloroethene	11.29	164	3709	1.704	ug/l #	63
76) 1,2,3-Trichloropropane	13.57	75	33673	40.160	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	34188	138.303	ug/l #	17

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

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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: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

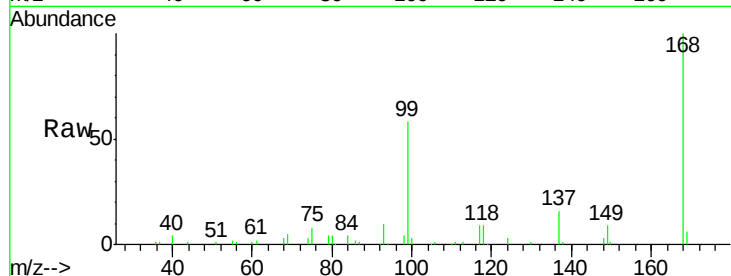
SB-4(7-8)RE

Tot Ion:168 Resp: 321497

Ion Ratio Lower Upper

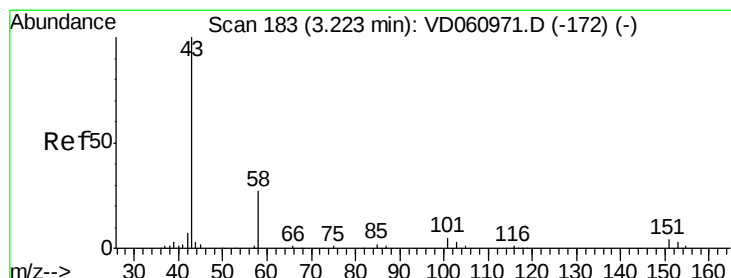
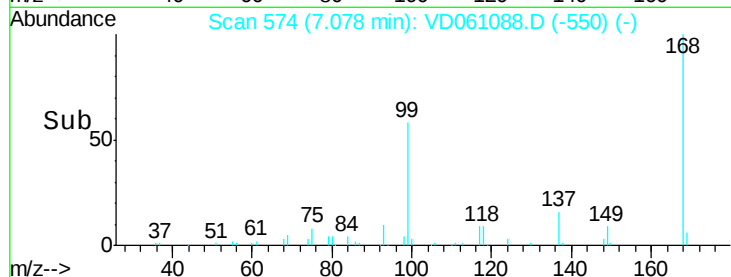
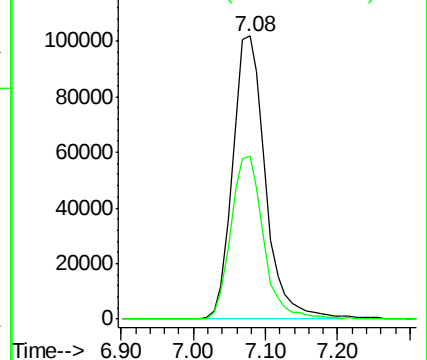
168 100

99 57.7 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: 5.426 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD061088.D

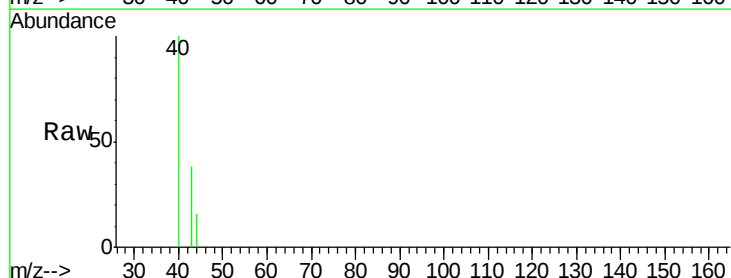
Acq: 15 Mar 2019 15:46

Tgt Ion: 43 Resp: 4152

Ion Ratio Lower Upper

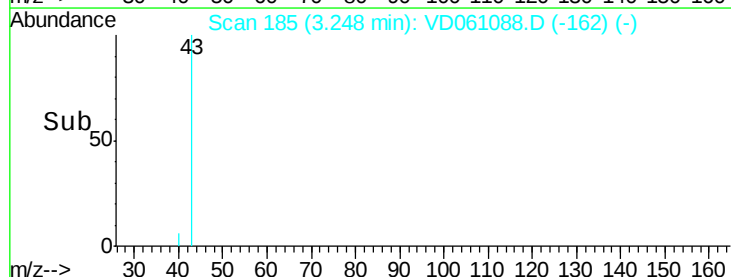
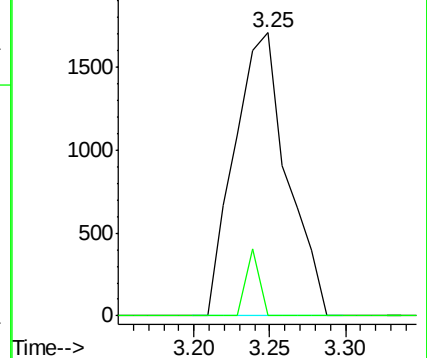
43 100

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

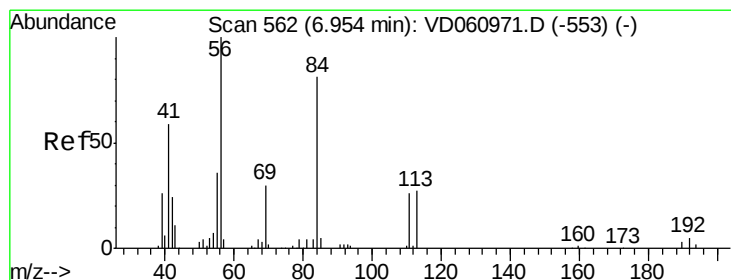
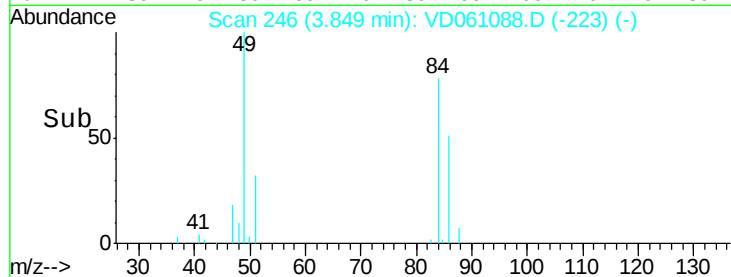
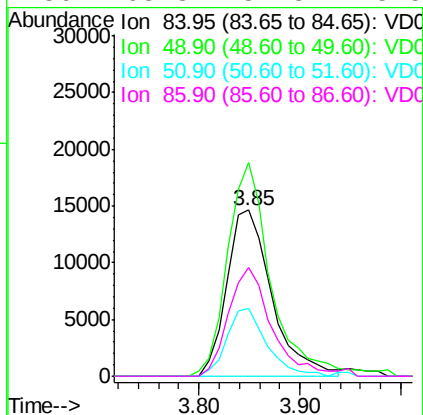
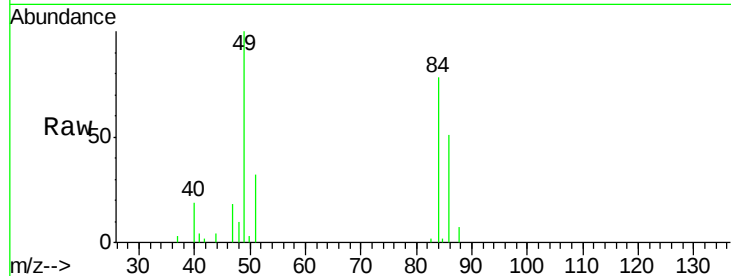




#20
Methvlene Chloride
Concen: 9.226 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD061088.D
Acq: 15 Mar 2019 15:46

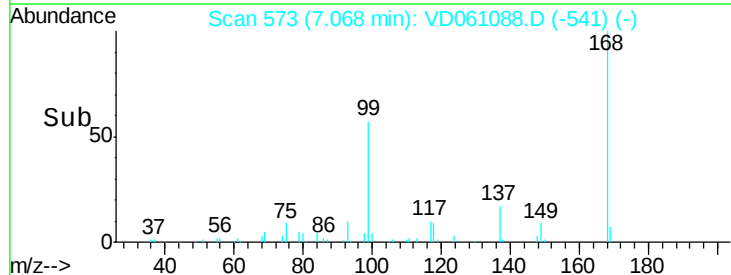
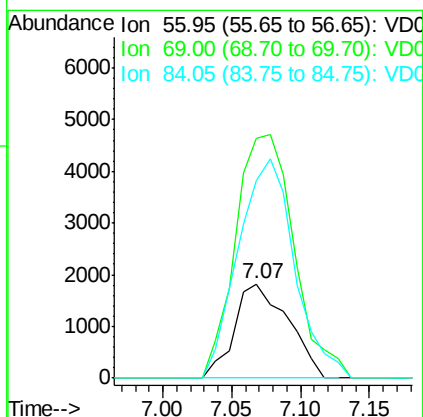
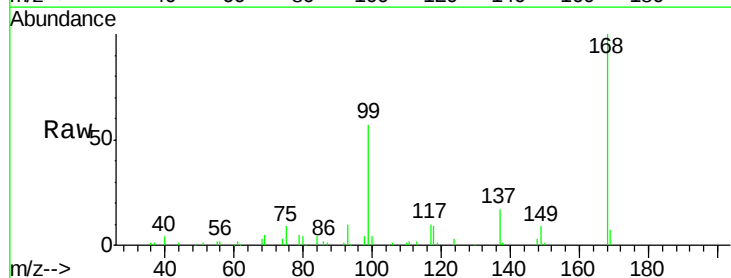
Instrument :
MSVOA_D
ClientSampleId :
SB-4(7-8)RE

Tot Ion: 84 Resp: 45463
Ion Ratio Lower Upper
84 100
49 128.5 104.2 156.2
51 41.1 32.3 48.5
86 65.3 52.3 78.5



#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061088.D
Acq: 15 Mar 2019 15:46

Tgt Ion: 56 Resp: 4928
Ion Ratio Lower Upper
56 100
69 254.8 24.0 36.0#
84 209.1 65.8 98.6#

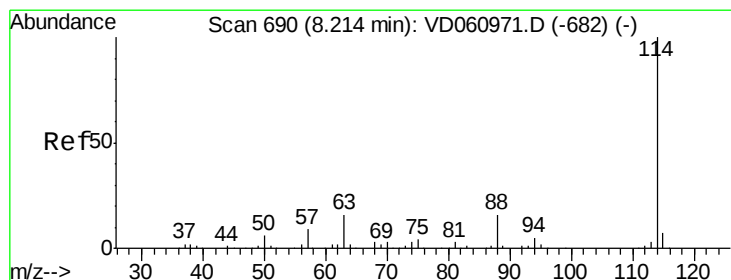
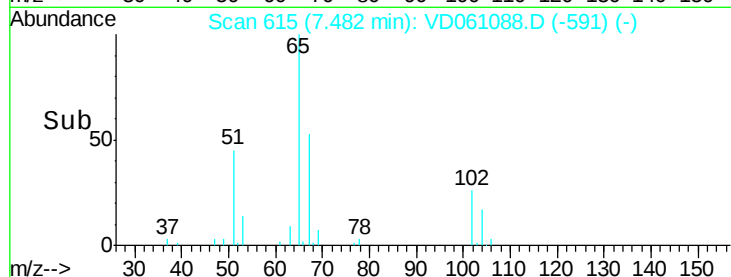
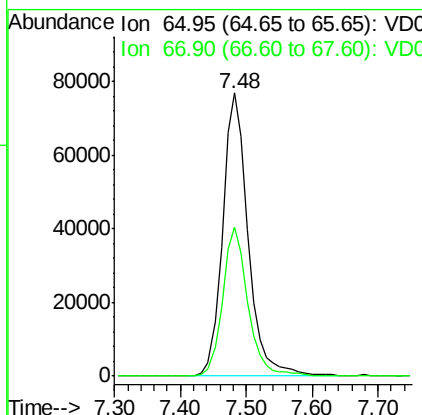
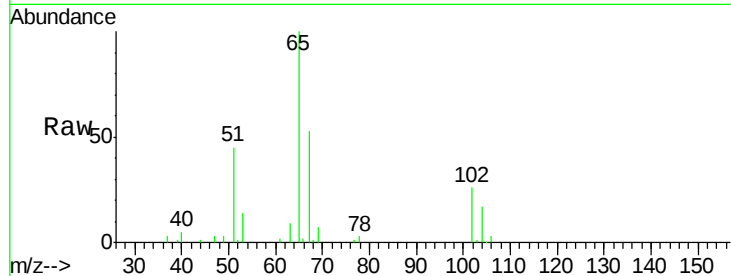




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.04 min
 Lab File: VD061088.D
 Acq: 15 Mar 2019 15:46

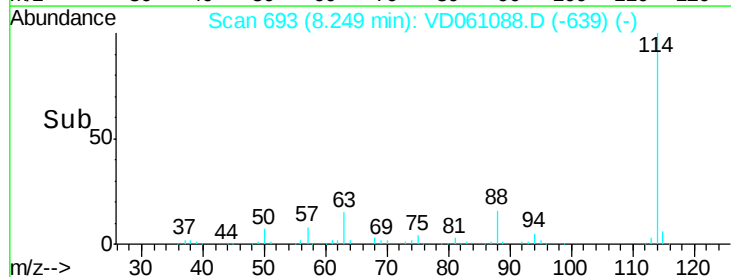
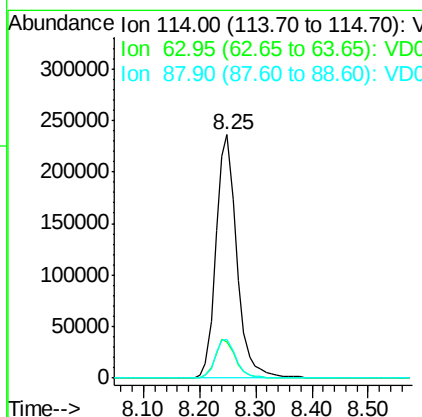
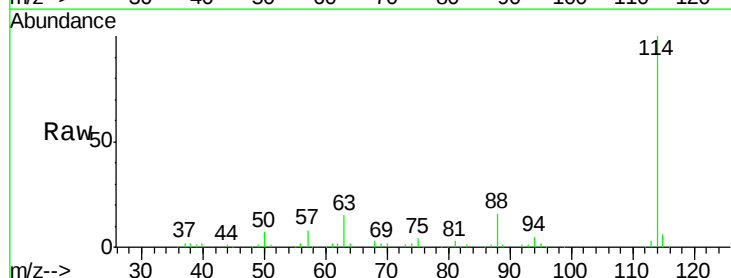
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4(7-8)RE

Tot Ion: 65 Resp: 206771
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD061088.D
 Acq: 15 Mar 2019 15:46

Tgt Ion: 114 Resp: 615045
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 31.4
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampled :

SB-4(7-8)RE

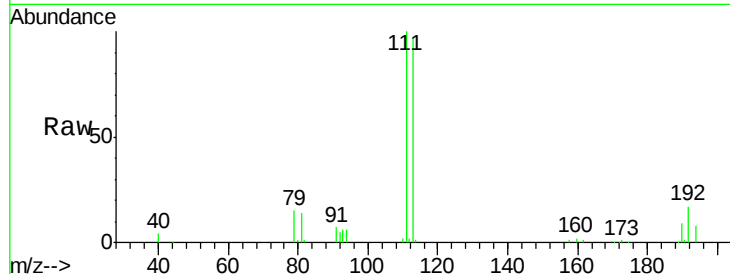
Tot Ion:113 Resp: 302208

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

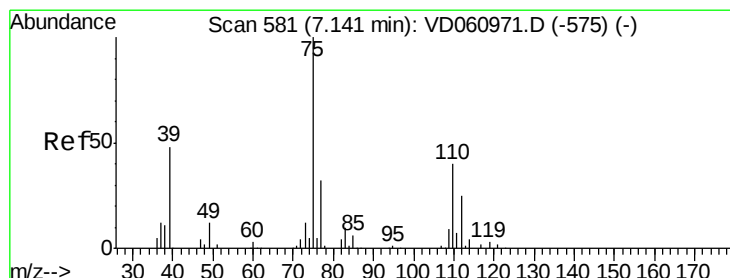
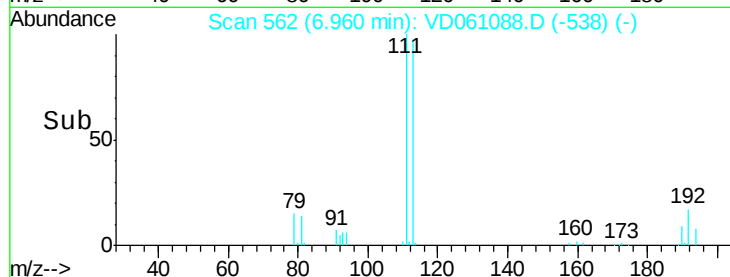
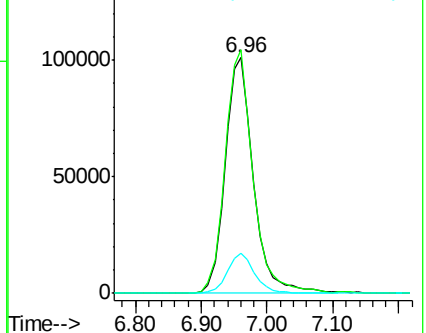
192 17.1 13.1 19.7



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: 4.551 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.07 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

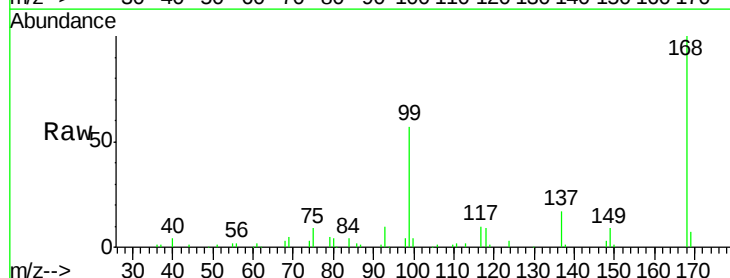
Tgt Ion: 75 Resp: 24127

Ion Ratio Lower Upper

75 100

110 7.2 19.7 59.1#

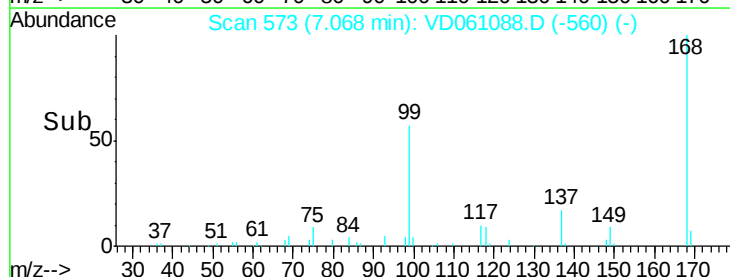
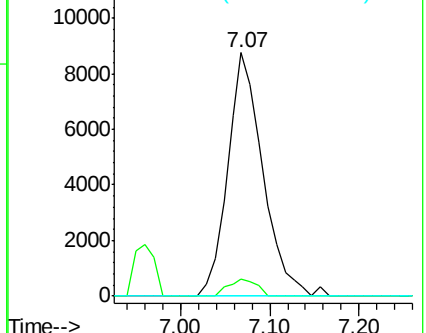
77 0.0 24.7 37.1#

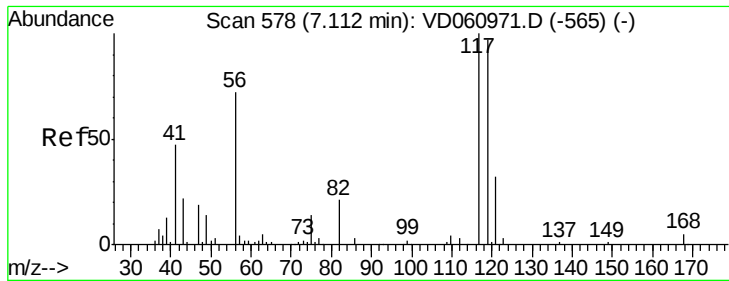


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.192 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

SB-4(7-8)RE

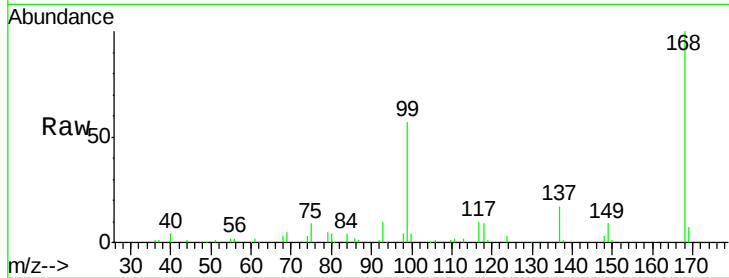
Tot Ion:117 Resp: 30319

Ion Ratio Lower Upper

117 100

119 5.4 77.8 116.8#

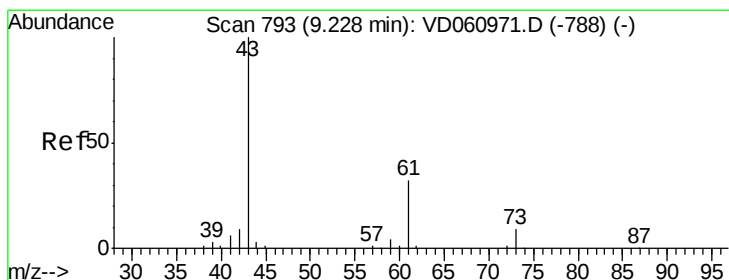
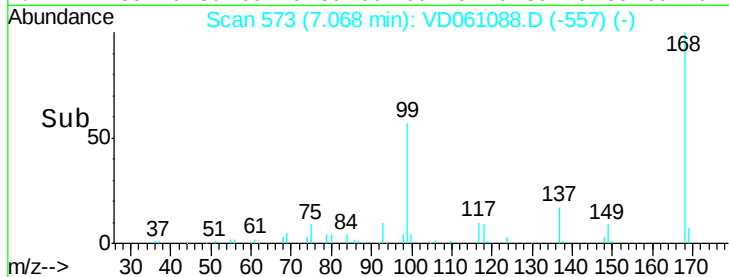
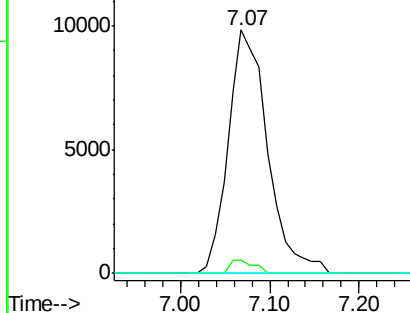
121 0.0 25.3 37.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#43

Isopropyl Acetate

Concen: 1.050 ug/l

RT: 9.58 min Scan# 828

Delta R.T. 0.35 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

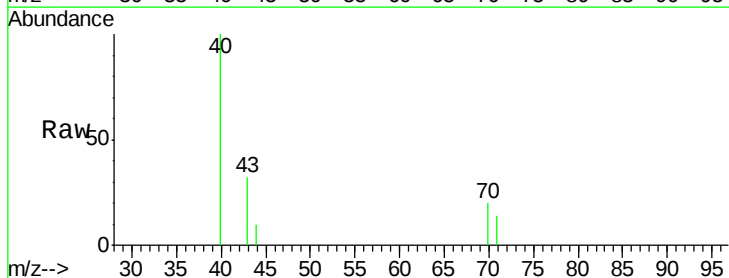
Tgt Ion: 43 Resp: 3618

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

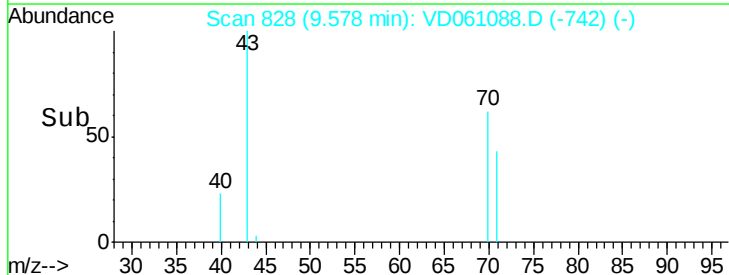
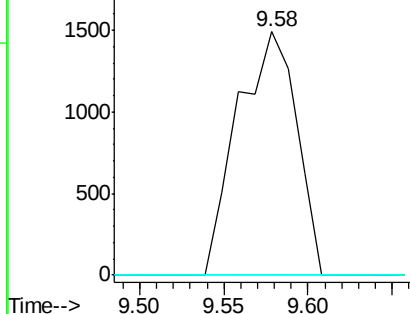
87 0.0 0.2 0.4#

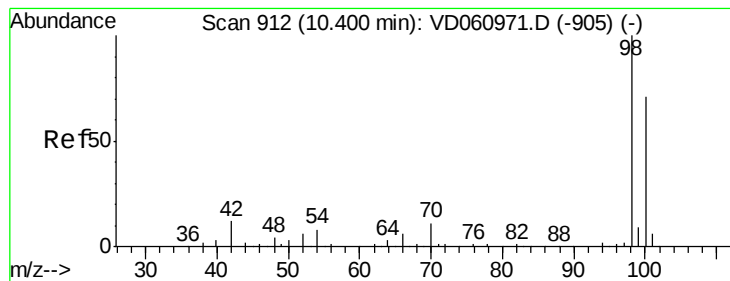


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.43 min Scan# 915

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

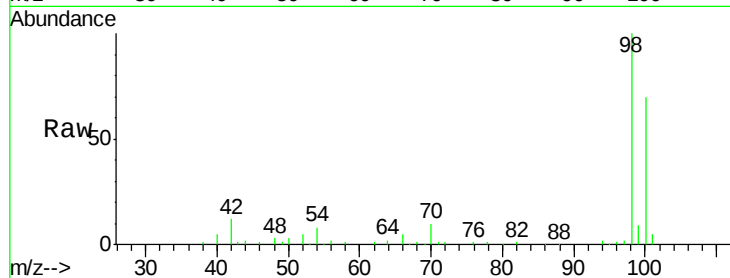
SB-4(7-8)RE

Tot Ion: 98 Resp: 430341

Ion Ratio Lower Upper

98 100

100 70.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.43

200000

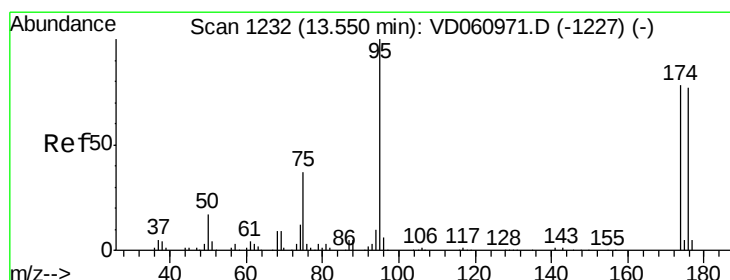
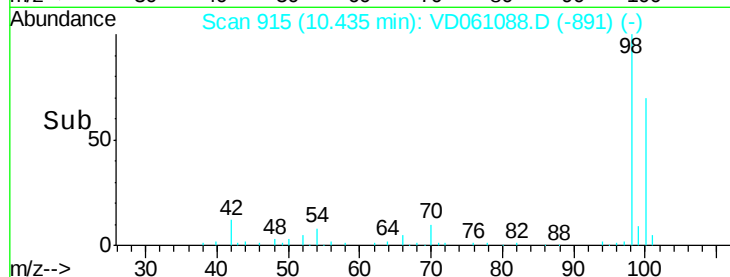
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

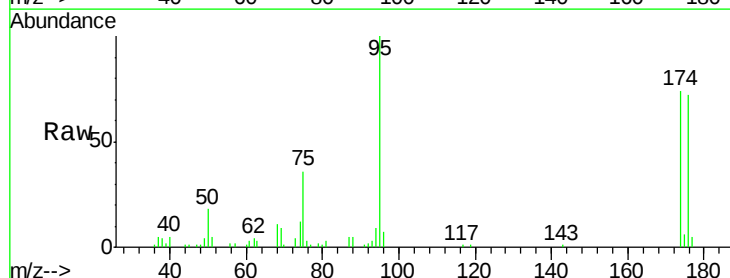
Tgt Ion: 95 Resp: 97801

Ion Ratio Lower Upper

95 100

174 74.1 0.0 155.6

176 72.1 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.57

80000

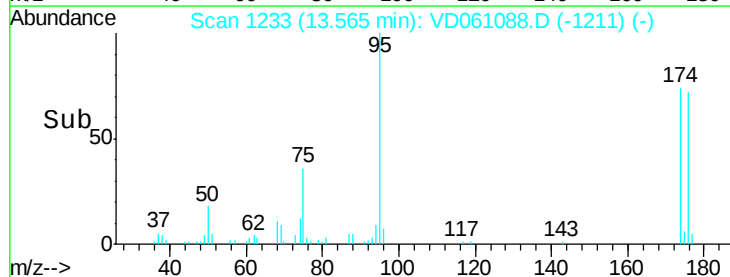
60000

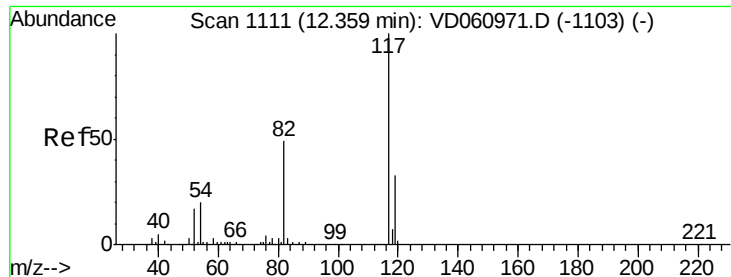
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

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ClientSampleId :

SB-4(7-8)RE

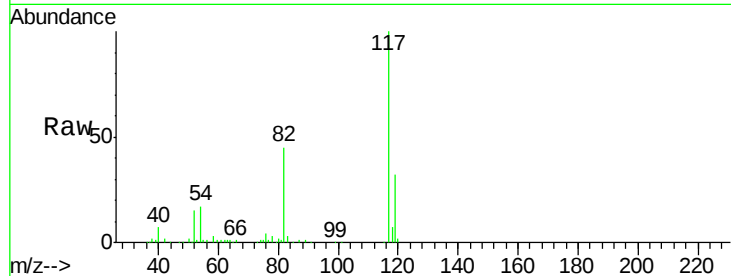
Tot Ion:117 Resp: 322535

Ion Ratio Lower Upper

117 100

82 45.2 38.9 58.3

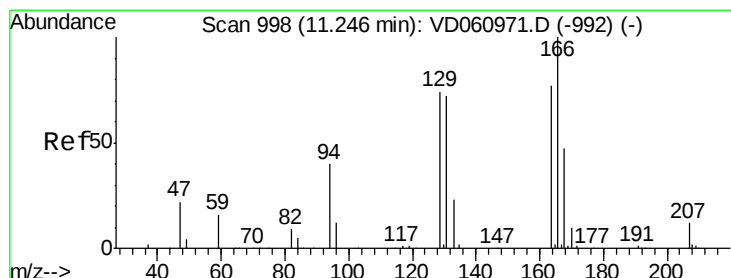
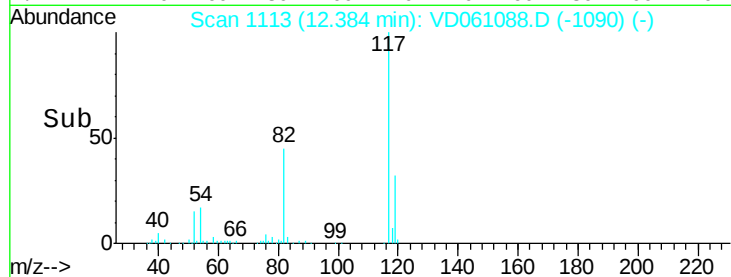
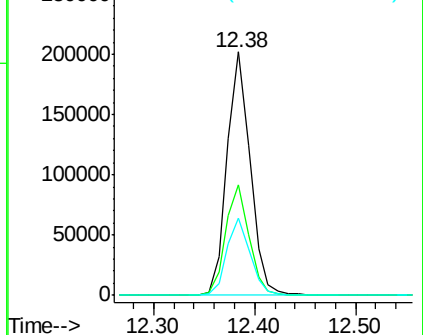
119 31.5 26.6 39.8



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



#64

Tetrachloroethene

Concen: 1.704 ug/l

RT: 11.29 min Scan# 1002

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Tgt Ion:164 Resp: 3709

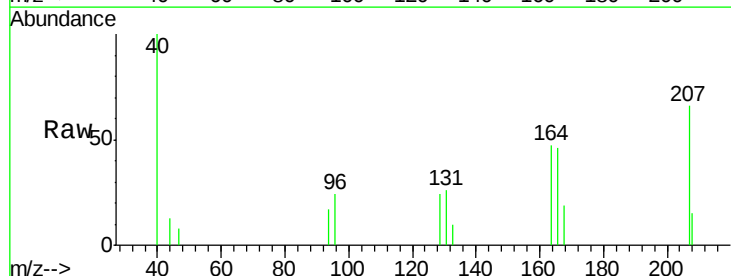
Ion Ratio Lower Upper

164 100

166 97.6 103.4 155.0#

129 49.7 76.9 115.3#

131 54.9 74.4 111.6#

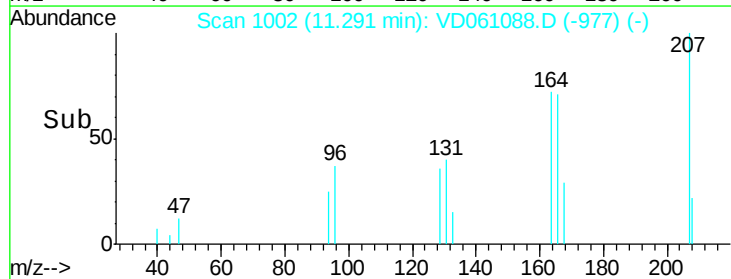
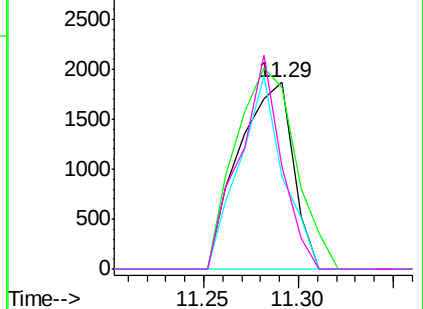


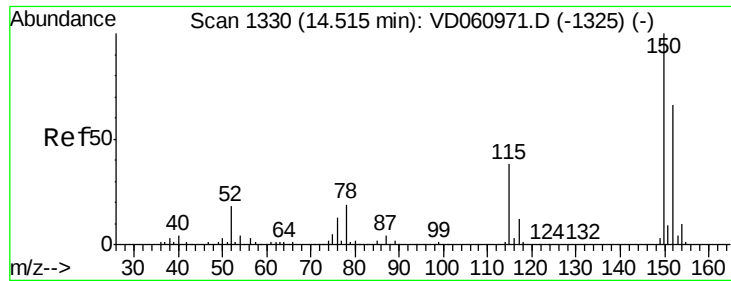
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

SB-4(7-8)RE

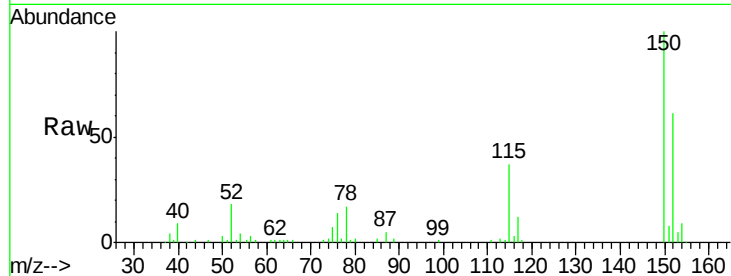
Tot Ion:152 Resp: 58280

Ion Ratio Lower Upper

152 100

115 60.6 28.6 85.9

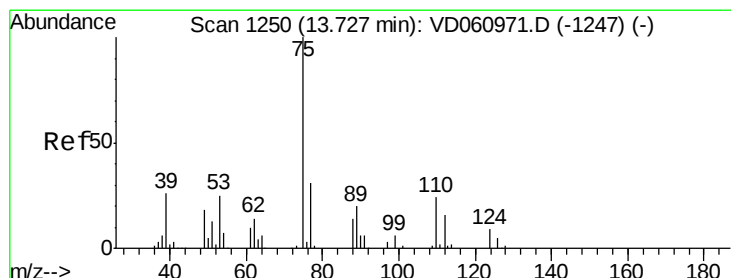
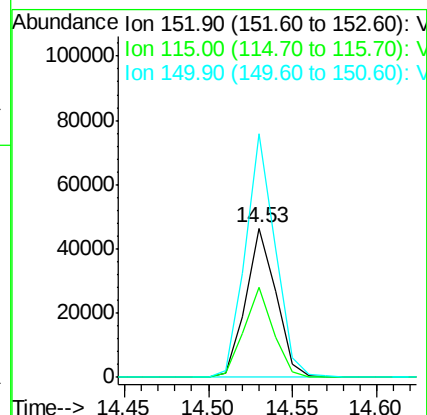
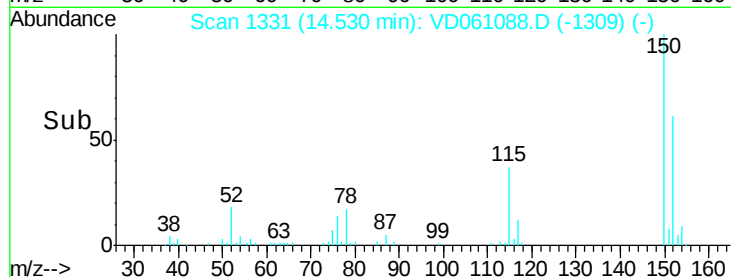
150 162.9 0.0 310.6



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: 40.160 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061088.D

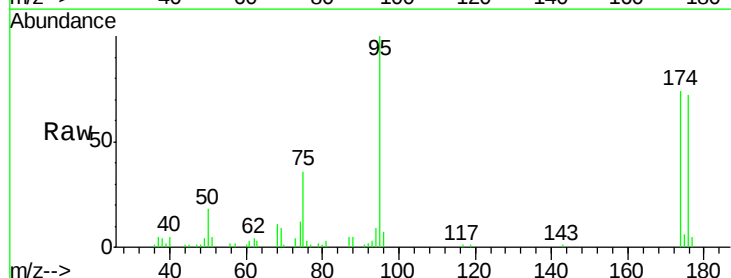
Acq: 15 Mar 2019 15:46

Tgt Ion: 75 Resp: 33673

Ion Ratio Lower Upper

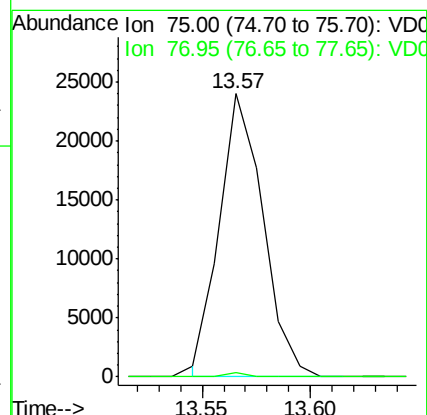
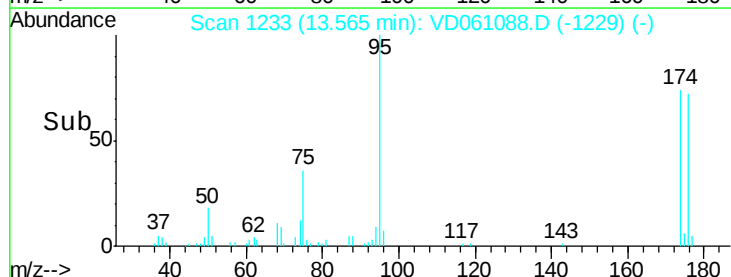
75 100

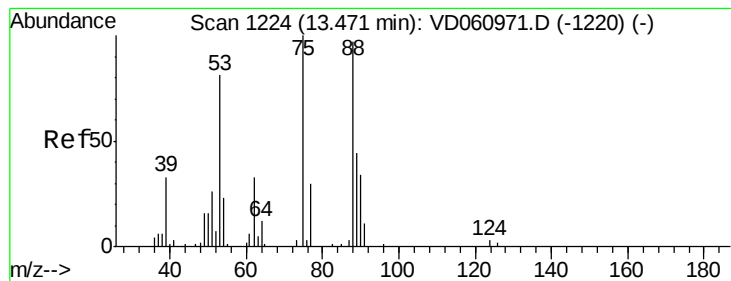
77 1.6 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 138.303 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

SB-4(7-8)RE

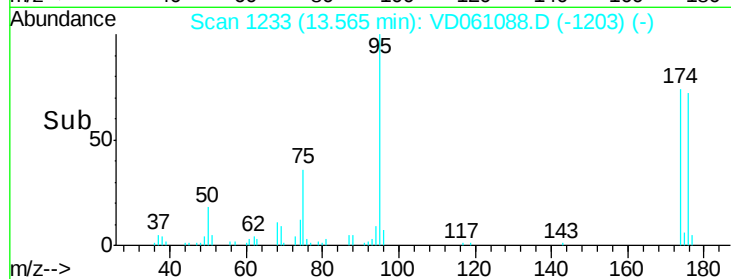
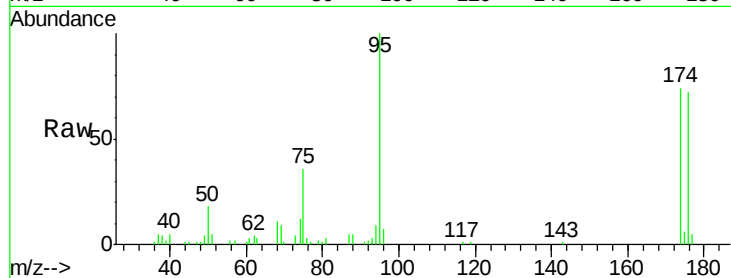
Tot Ion: 75 Resp: 34188

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

