

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061089.D
 Acq On : 15 Mar 2019 16:15
 Operator : VA/AP
 Sample : K1901-07RE
 Misc : 3.55g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6(0.5-1.5)RE

Quant Time: Mar 16 05:43:23 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	421481	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	694751	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	502891	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	116931	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	207454	59.13	ug/l	0.03
Spiked Amount			Recovery	=	118.26%	
35) Dibromofluoromethane	6.96	113	320219	62.11	ug/l	0.03
Spiked Amount			Recovery	=	124.22%	
50) Toluene-d8	10.43	98	626815	48.41	ug/l	0.03
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	13.56	95	157073	31.26	ug/l	0.01
Spiked Amount			Recovery	=	62.52%	

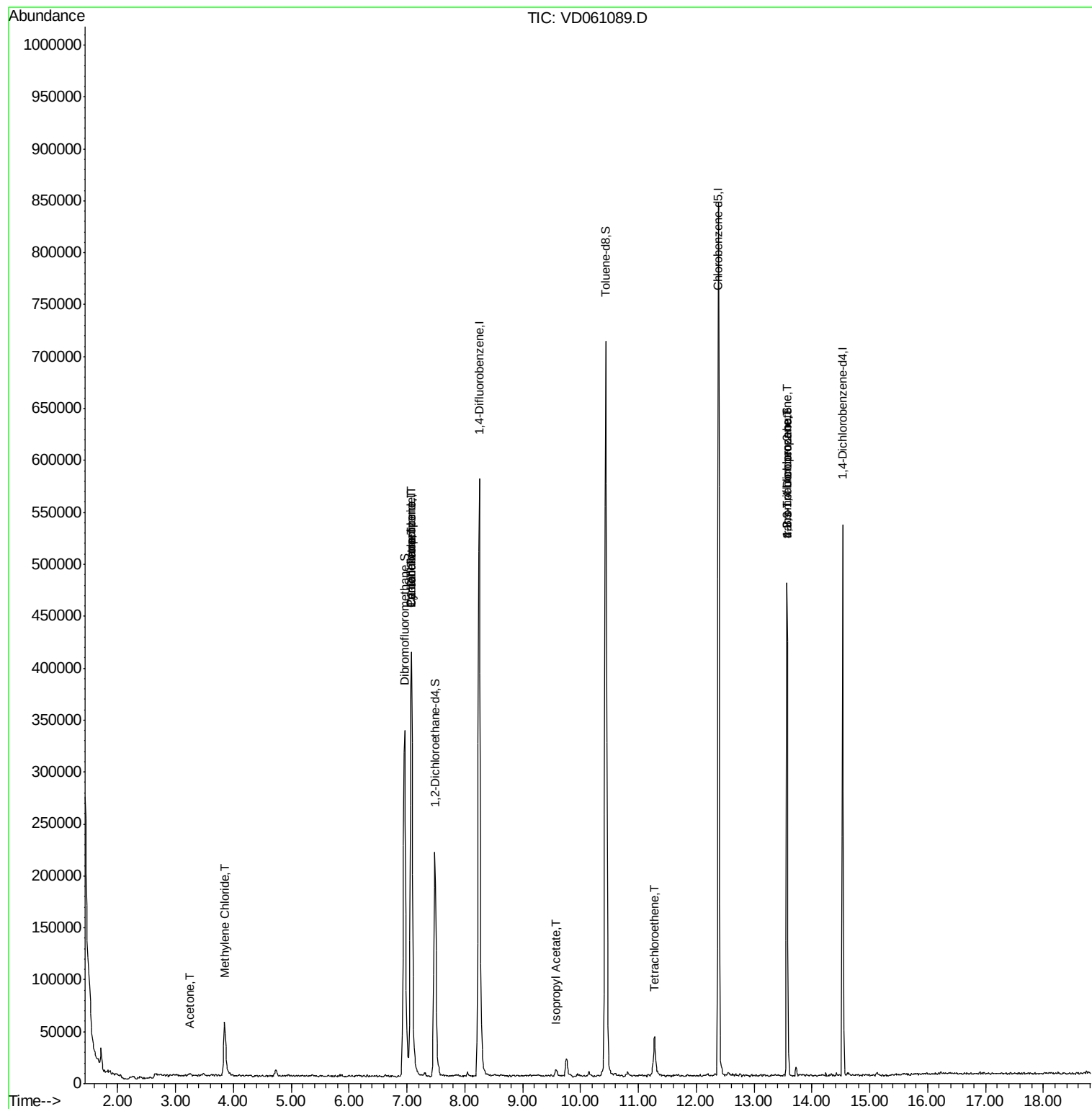
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	4619	4.604	ug/l #	48
20) Methylene Chloride	3.85	84	39613	4.407	ug/l	94
31) Cyclohexane	7.08	56	7468	1.203	ug/l #	1
36) 1,1-Dichloropropene	7.08	75	30989	5.175	ug/l #	46
38) Carbon Tetrachloride	7.08	117	38896	5.896	ug/l #	14
43) Isopropyl Acetate	9.57	43	5377	1.381	ug/l #	43
64) Tetrachloroethene	11.28	164	10329	3.043	ug/l	93
76) 1,2,3-Trichloropropane	13.56	75	57752	34.330	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	58374	117.698	ug/l #	17

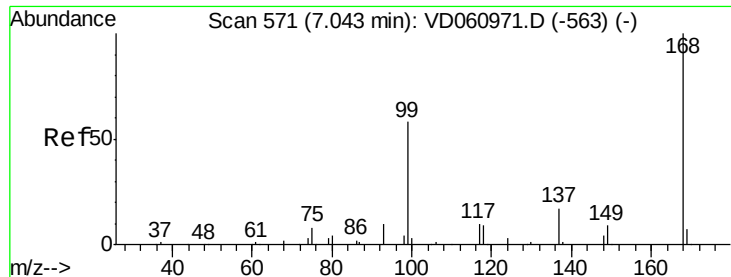
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. 0.03 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

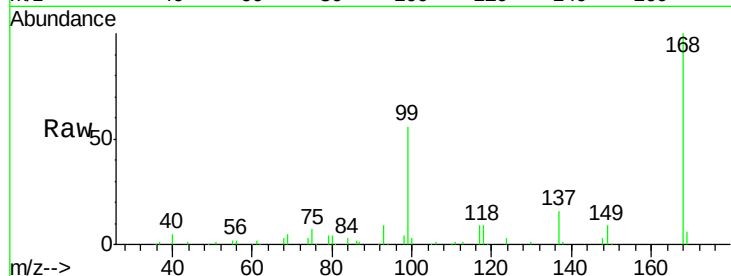
SB-6(0.5-1.5)RE

Tot Ion:168 Resp: 421481

Ion Ratio Lower Upper

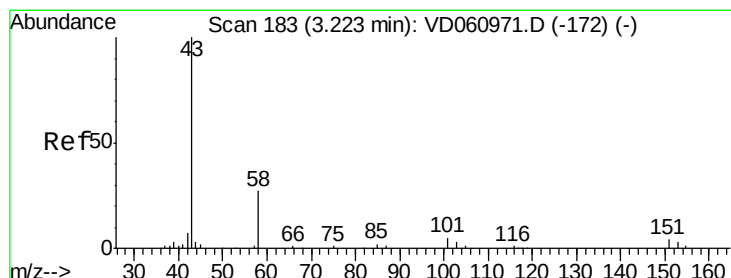
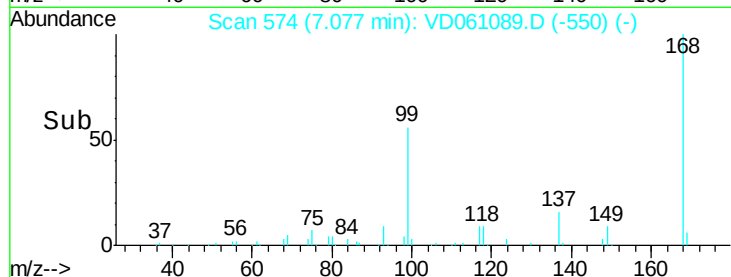
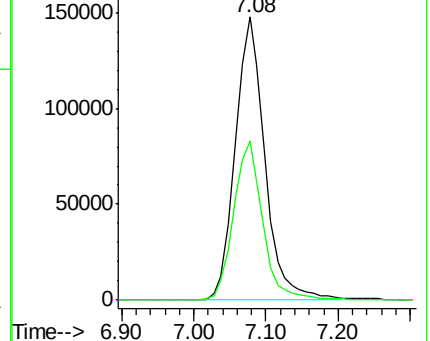
168 100

99 56.1 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: 4.604 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061089.D

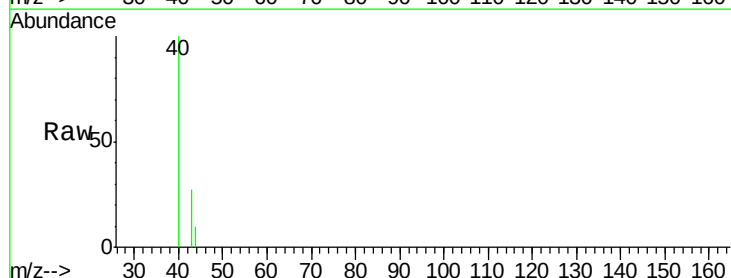
Acq: 15 Mar 2019 16:15

Tgt Ion: 43 Resp: 4619

Ion Ratio Lower Upper

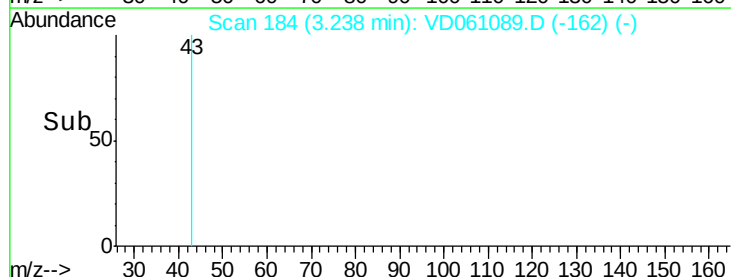
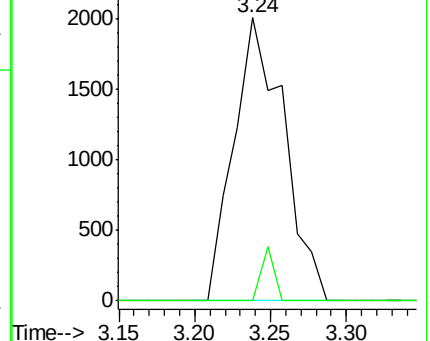
43 100

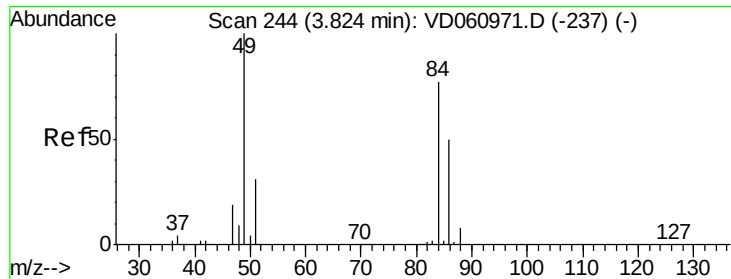
58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

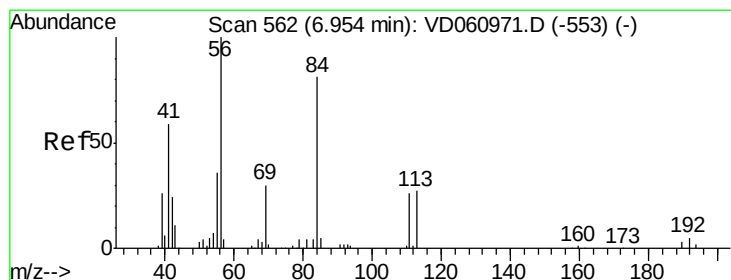
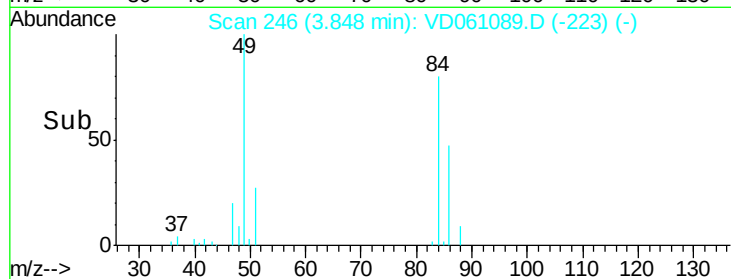
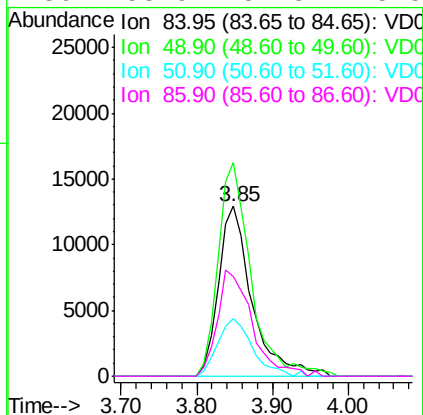
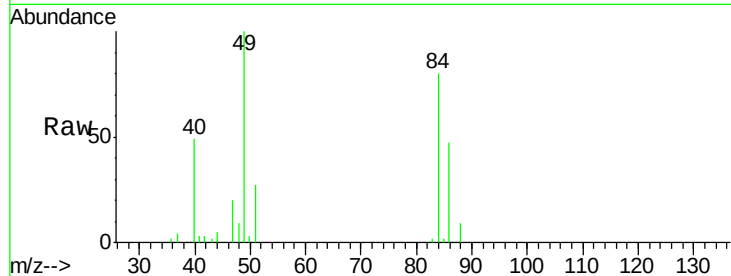




#20
Methylene Chloride
Concen: 4.407 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

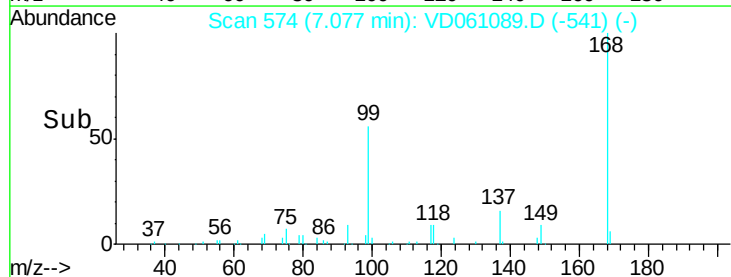
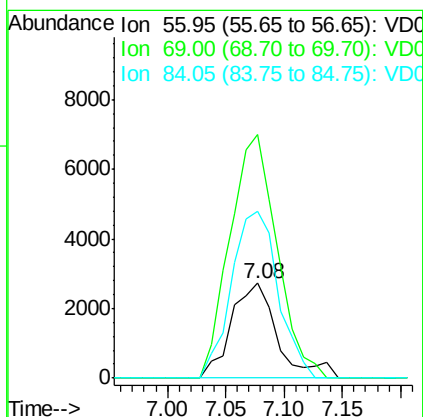
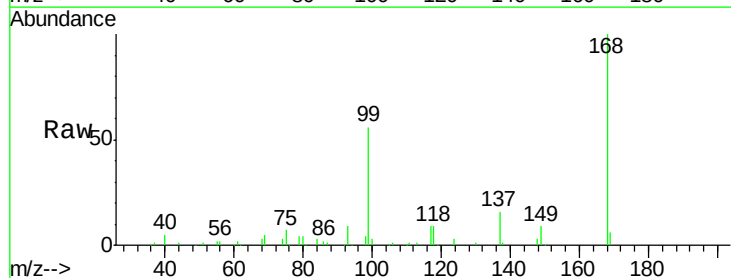
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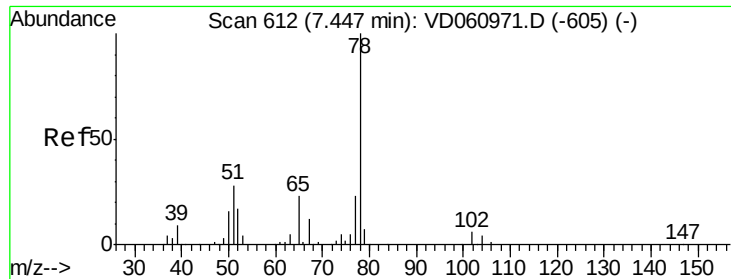
Tot Ion:	84	Resp:	39613
Ion	Ratio	Lower	Upper
84	100		
49	125.7	104.2	156.2
51	34.2	32.3	48.5
86	58.9	52.3	78.5



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.08 min Scan# 574
Delta R.T. 0.12 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

Tgt Ion:	56	Resp:	7468
Ion	Ratio	Lower	Upper
56	100		
69	257.5	24.0	36.0#
84	176.0	65.8	98.6#

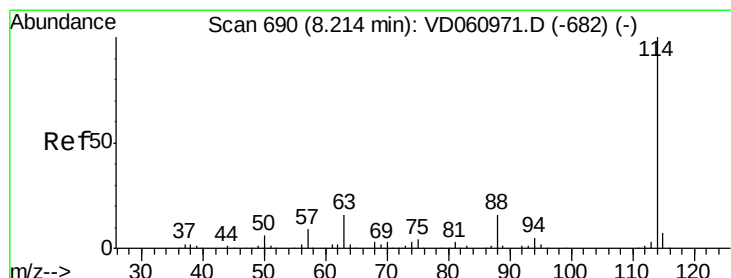
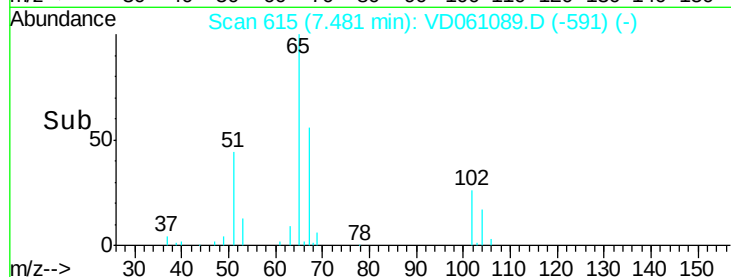
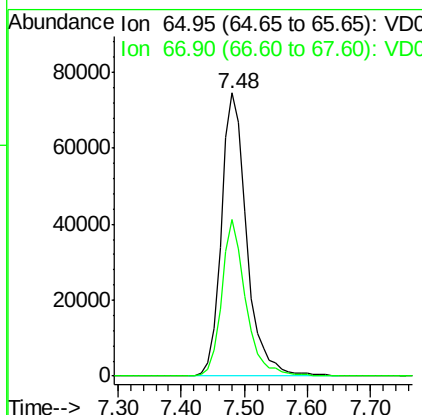
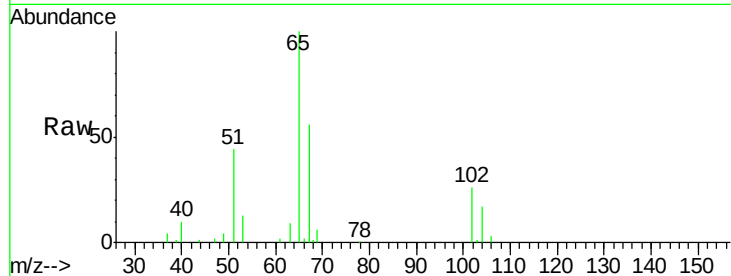




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061089.D
 Acq: 15 Mar 2019 16:15

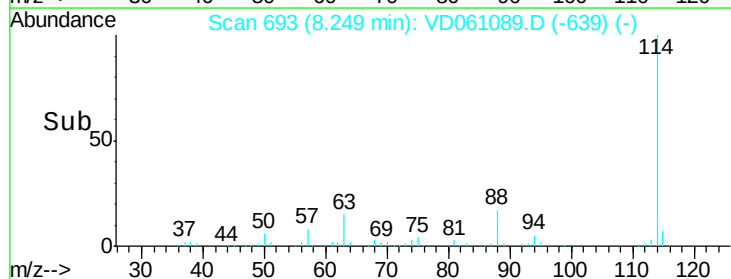
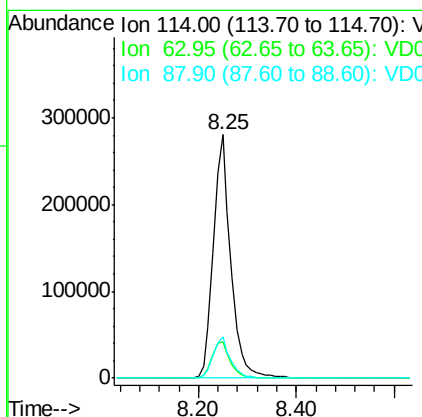
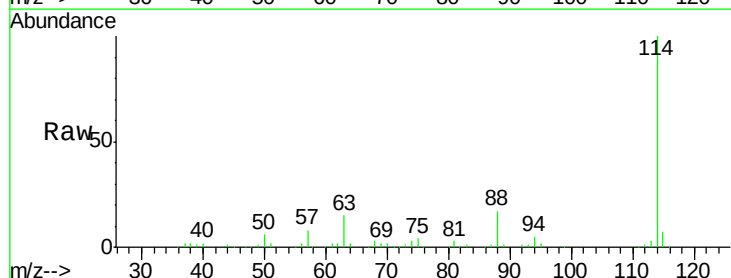
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6(0.5-1.5)RE

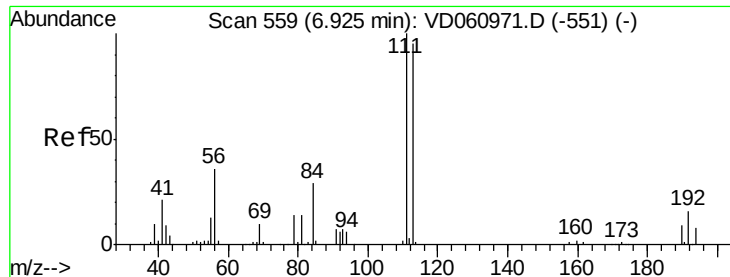
Tot Ion: 65 Resp: 207454
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061089.D
 Acq: 15 Mar 2019 16:15

Tgt Ion: 114 Resp: 694751
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 31.4
 88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

SB-6(0.5-1.5)RE

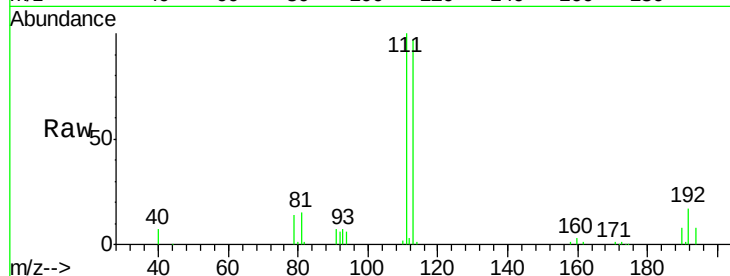
Tot Ion:113 Resp: 320219

Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.4

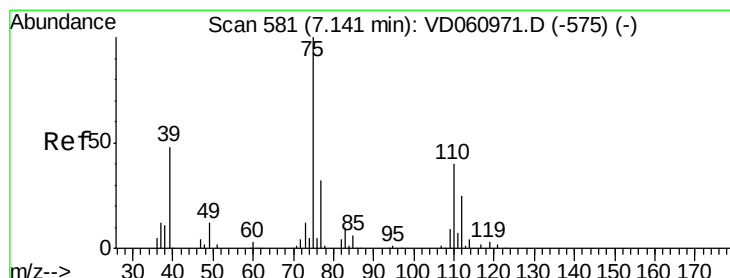
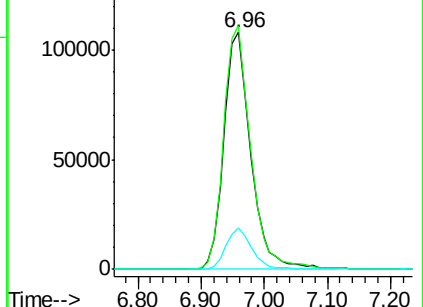
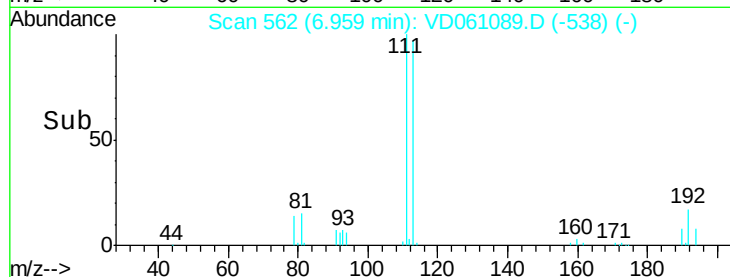
192 17.6 13.1 19.7



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: 5.175 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.06 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

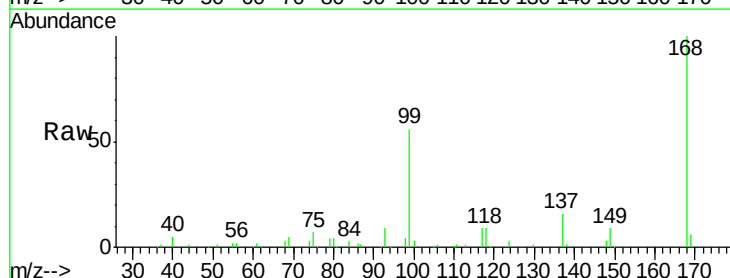
Tgt Ion: 75 Resp: 30989

Ion Ratio Lower Upper

75 100

110 7.0 19.7 59.1#

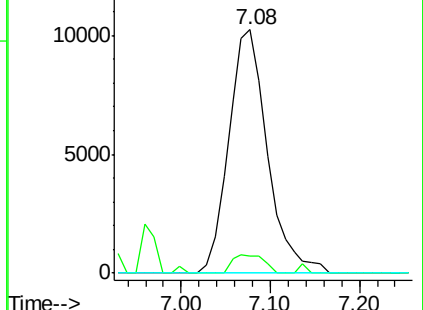
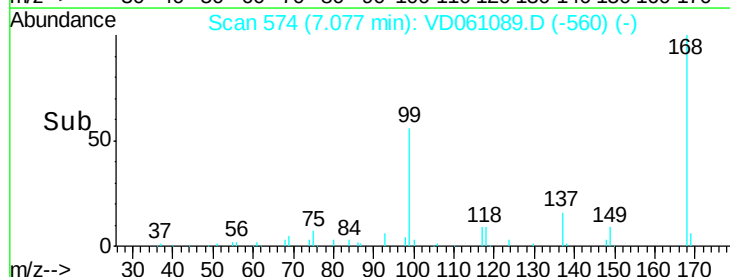
77 0.0 24.7 37.1#

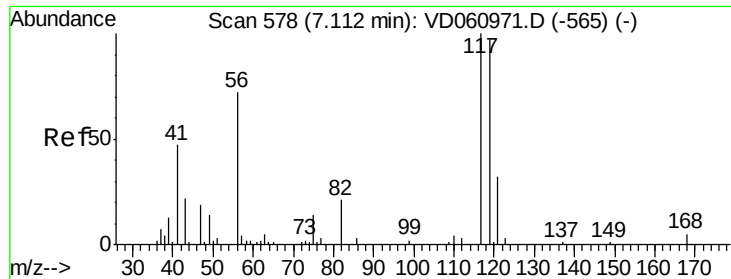


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

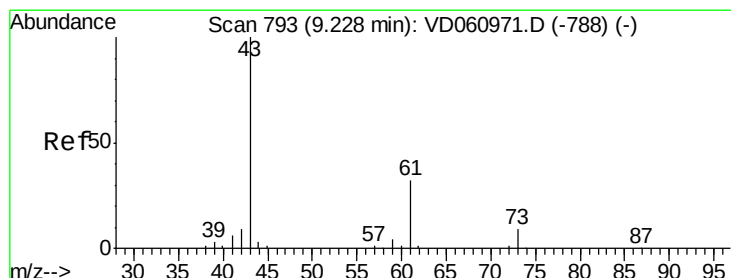
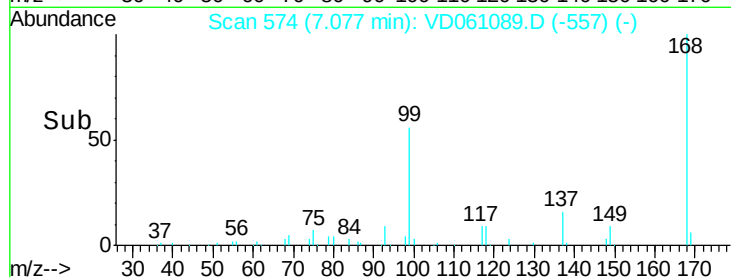
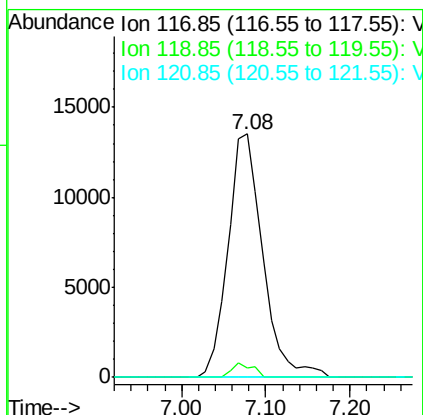
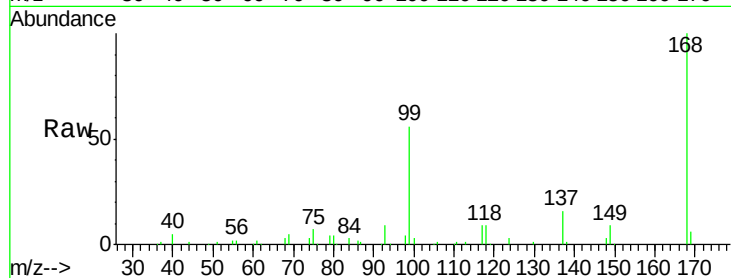




#38
Carbon Tetrachloride
Concen: 5.896 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.03 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

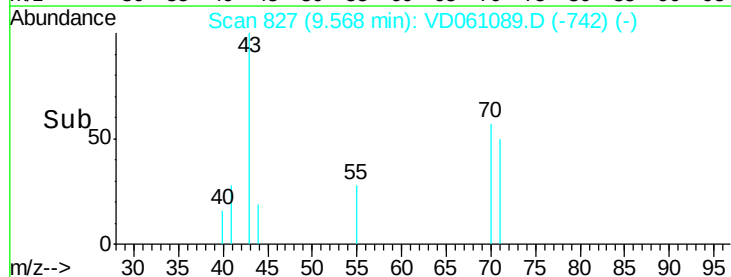
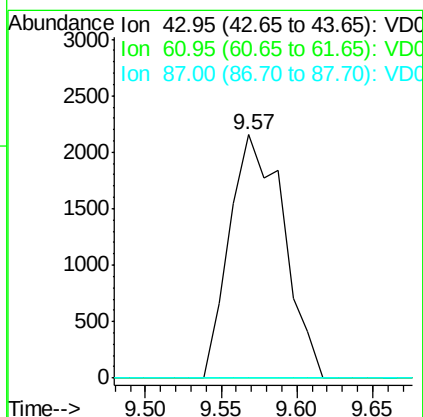
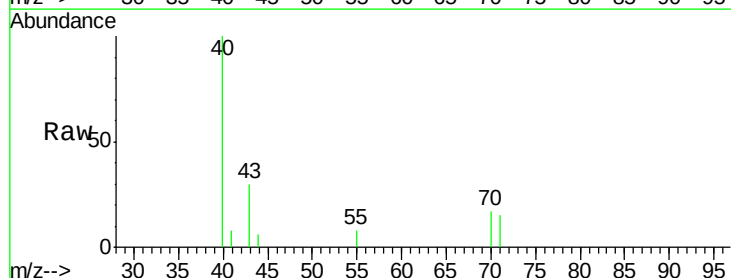
Instrument :
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SB-6(0.5-1.5)RE

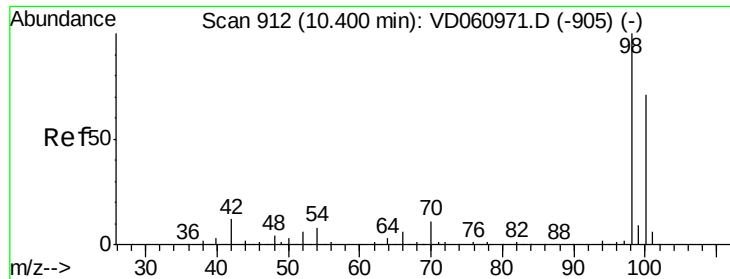
Tot Ion:117 Resp: 38896
Ion Ratio Lower Upper
117 100
119 3.8 77.8 116.8#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 1.381 ug/l
RT: 9.57 min Scan# 827
Delta R.T. 0.34 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

Tgt Ion: 43 Resp: 5377
Ion Ratio Lower Upper
43 100
61 0.0 25.6 38.4#
87 0.0 0.2 0.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

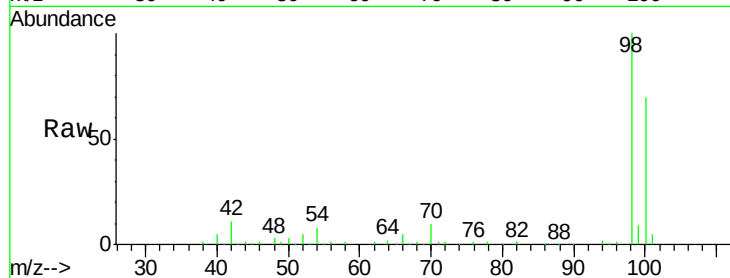
SB-6(0.5-1.5)RE

Tot Ion: 98 Resp: 626815

Ion Ratio Lower Upper

98 100

100 69.7 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

300000

250000

200000

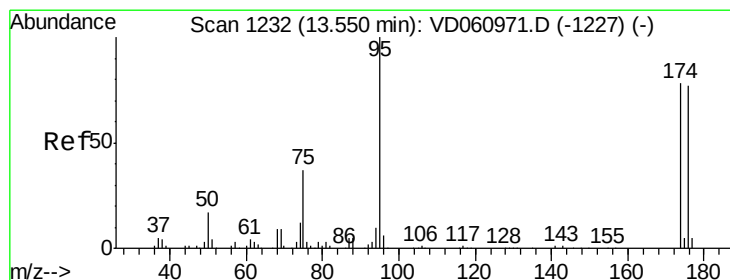
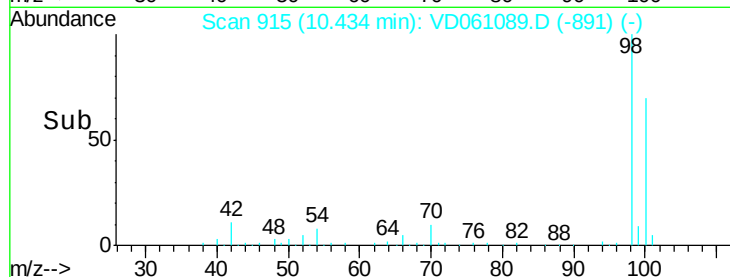
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

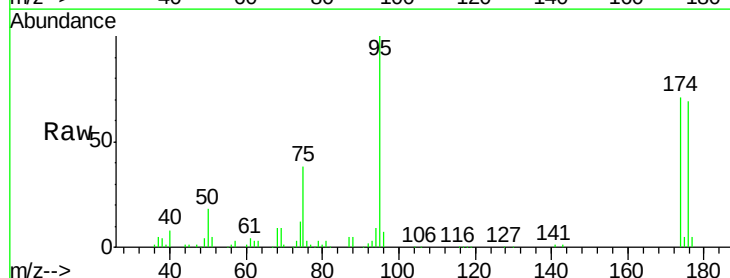
Tgt Ion: 95 Resp: 157073

Ion Ratio Lower Upper

95 100

174 70.9 0.0 155.6

176 68.6 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) (-)

13.56

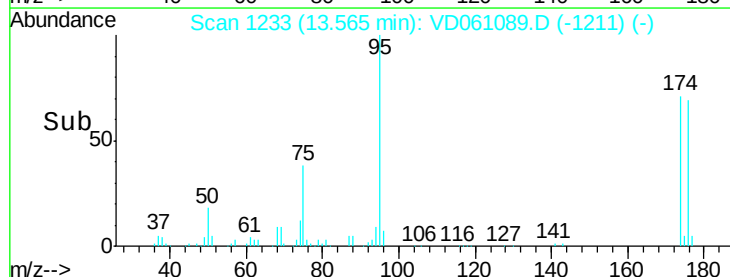
150000

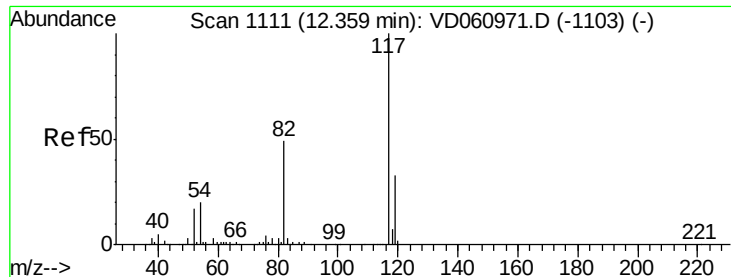
100000

50000

0

Time-->

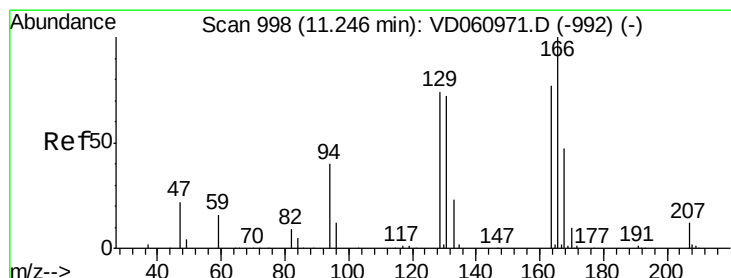
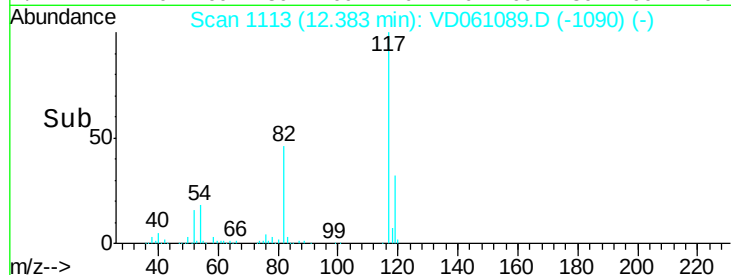
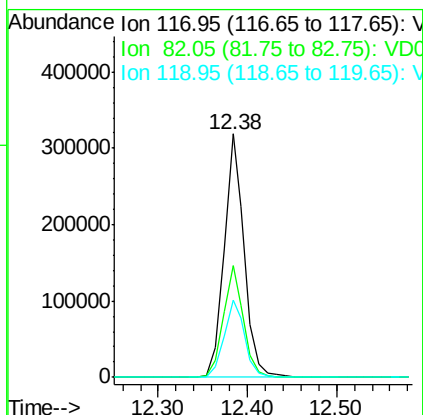
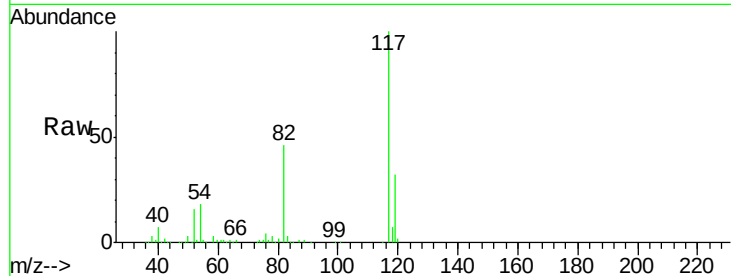




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

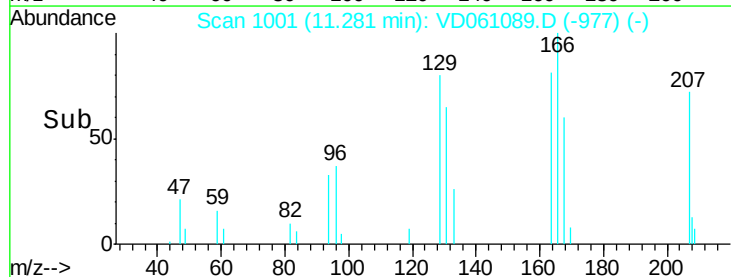
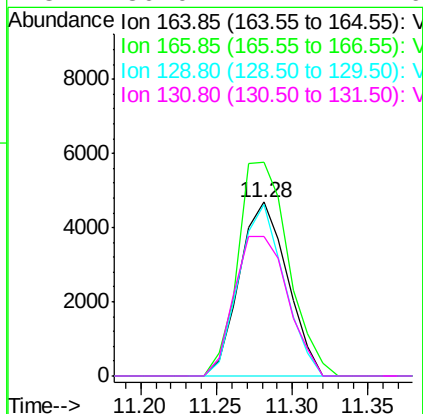
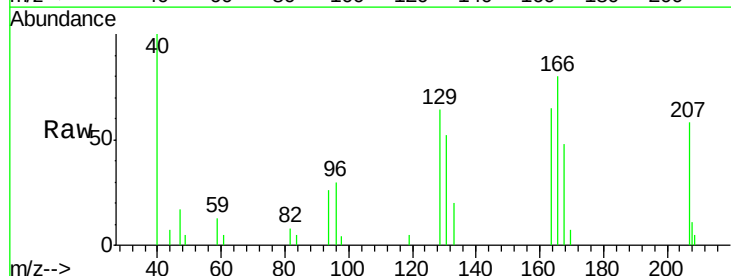
Instrument :
MSVOA_D
ClientSampleId :
SB-6(0.5-1.5)RE

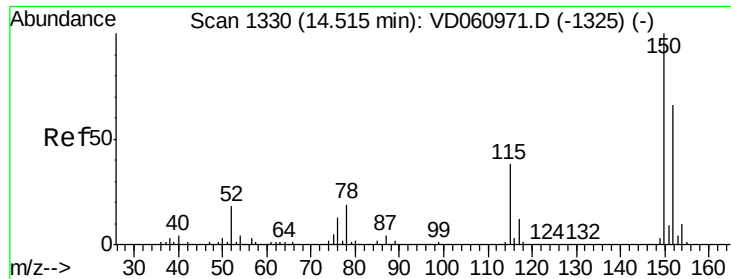
Tot Ion:117 Resp: 502891
Ion Ratio Lower Upper
117 100
82 46.2 38.9 58.3
119 31.6 26.6 39.8



#64
Tetrachloroethene
Concen: 3.043 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

Tgt Ion:164 Resp: 10329
Ion Ratio Lower Upper
164 100
166 122.9 103.4 155.0
129 98.4 76.9 115.3
131 80.0 74.4 111.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

SB-6(0.5-1.5)RE

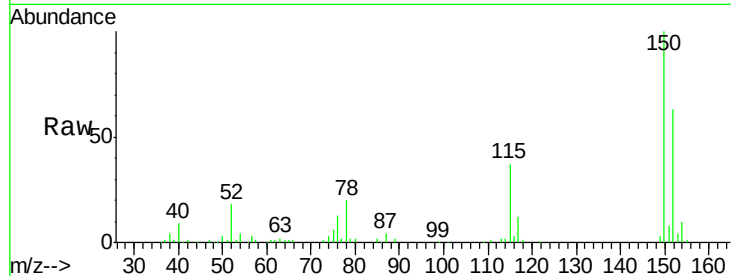
Tot Ion:152 Resp: 116931

Ion Ratio Lower Upper

152 100

115 59.1 28.6 85.9

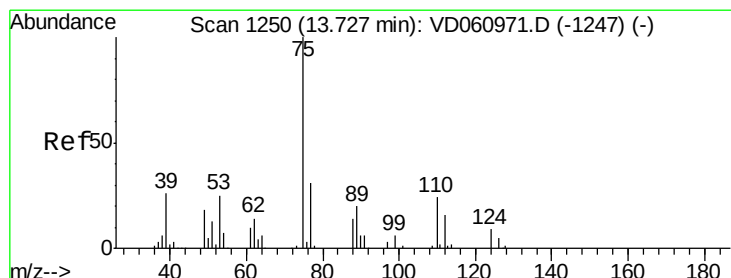
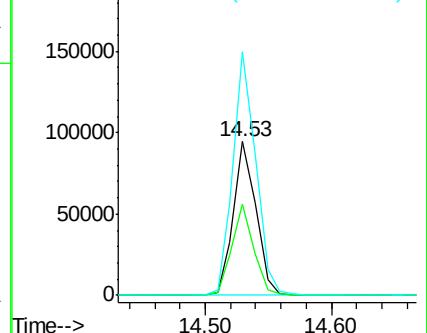
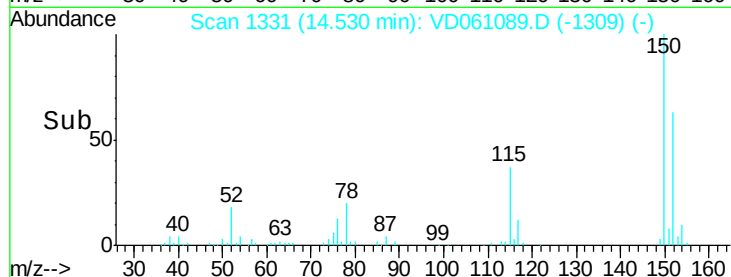
150 158.5 0.0 310.6



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: 34.330 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061089.D

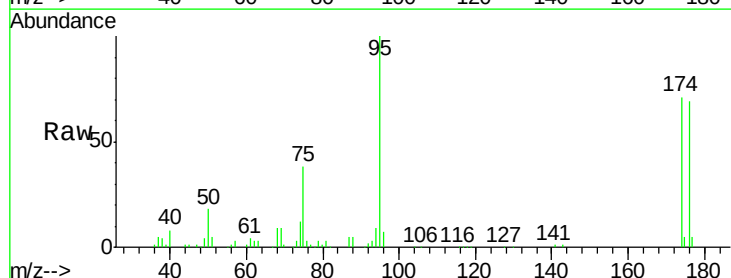
Acq: 15 Mar 2019 16:15

Tgt Ion: 75 Resp: 57752

Ion Ratio Lower Upper

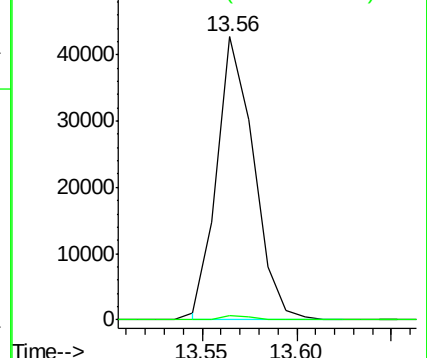
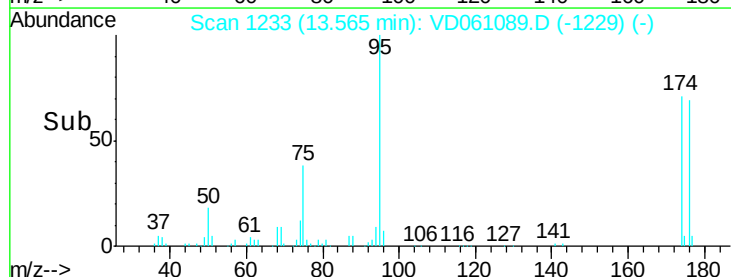
75 100

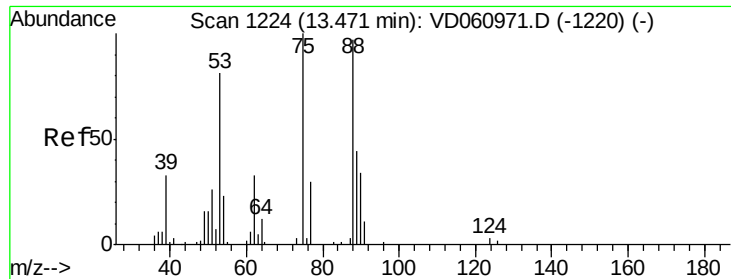
77 1.7 16.6 49.7#



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: 117.698 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

SB-6(0.5-1.5)RE

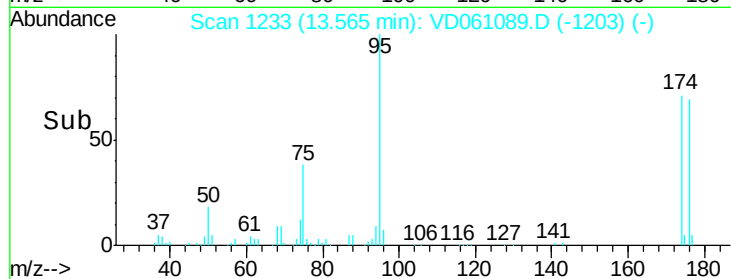
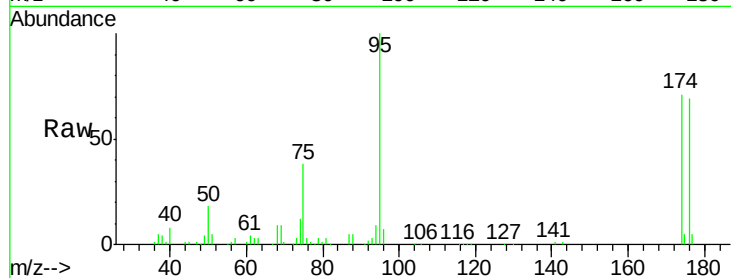
Tot Ion: 75 Resp: 58374

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

