

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061269.D
 Acq On : 22 Mar 2019 19:05
 Operator : VA/AP
 Sample : K2004-11RE
 Misc : 5.32g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-23(0.5-1.5)RE

Quant Time: Mar 22 23:29:19 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	7.10	168	378811	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.26	114	745809	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.40	117	502740	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	147842	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	201929	64.04	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	128.08%	
35) Dibromofluoromethane	6.97	113	306078	55.30	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	110.60%	
50) Toluene-d8	10.45	98	545291	39.23	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	78.46%	
62) 4-Bromofluorobenzene	13.58	95	169092	31.35	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	62.70%	

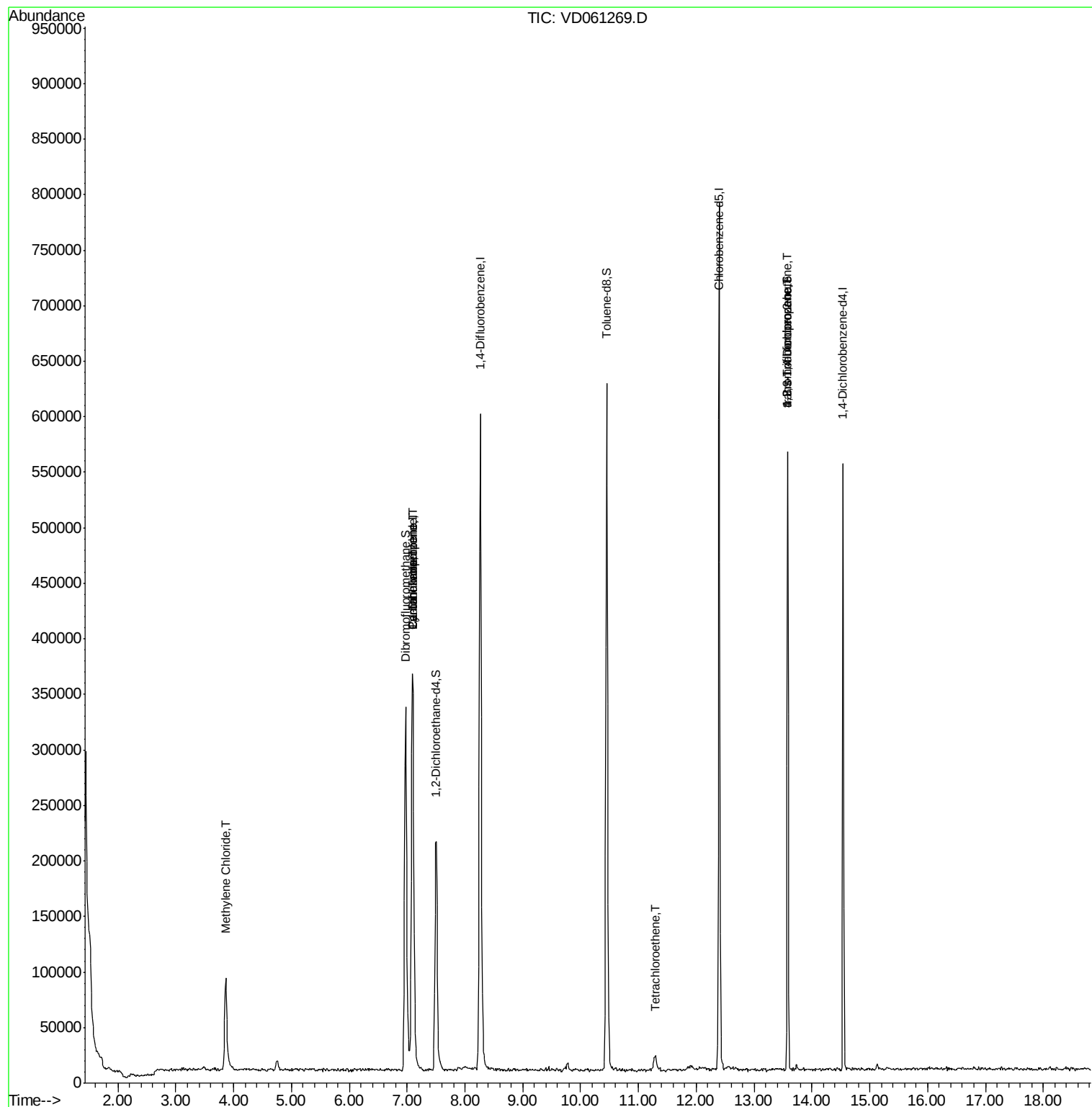
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	194	Below Cal	#	8
20) Methylene Chloride	3.86	84	64674	12.206	ug/l	89
31) Cyclohexane	7.09	56	6366	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.09	75	25610	3.984	ug/l #	47
38) Carbon Tetrachloride	7.09	117	35447	5.006	ug/l #	15
64) Tetrachloroethene	11.29	164	3431	1.011	ug/l #	90
76) 1,2,3-Trichloropropane	13.58	75	60691	28.534	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.58	75	60691	96.784	ug/l #	17

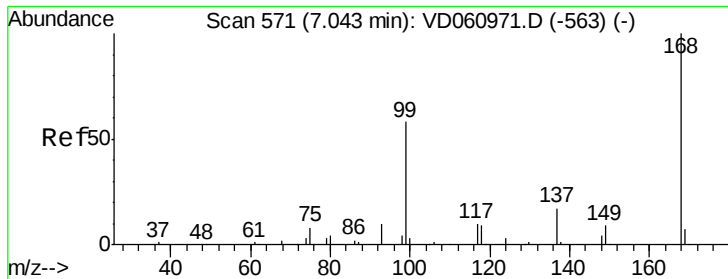
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 22 23:29:19 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: 7.10 min Scan# 577

Delta R.T. 0.06 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

Instrument :

MSVOA_D

ClientSampleId :

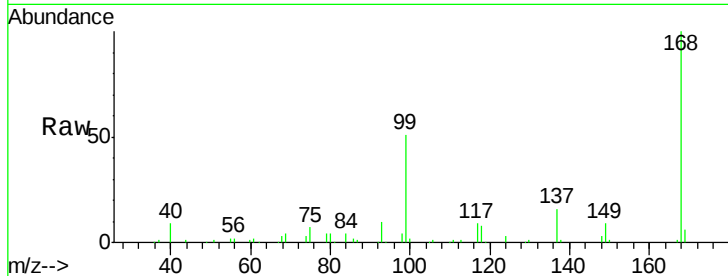
SB-23(0.5-1.5)RE

Tot Ion:168 Resp: 378811

Ion Ratio Lower Upper

168 100

99 50.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.10

150000

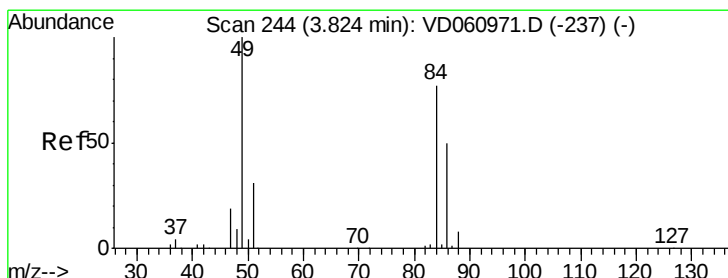
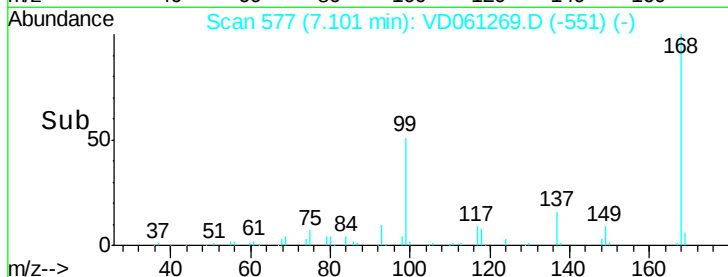
100000

50000

0

Time-->

7.00 7.10 7.20



#20

Methylene Chloride

Concen: 12.206 ug/l

RT: 3.86 min Scan# 248

Delta R.T. 0.04 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

Tgt Ion: 84 Resp: 64674

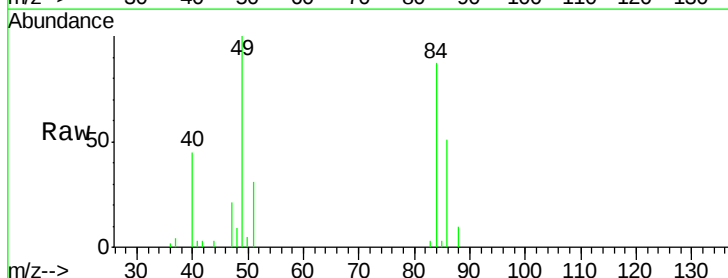
Ion Ratio Lower Upper

84 100

49 115.5 104.2 156.2

51 35.5 32.3 48.5

86 58.5 52.3 78.5



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

30000

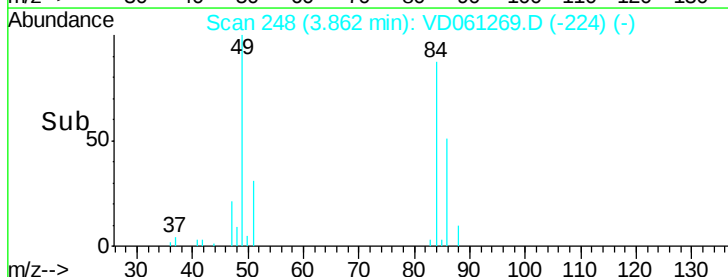
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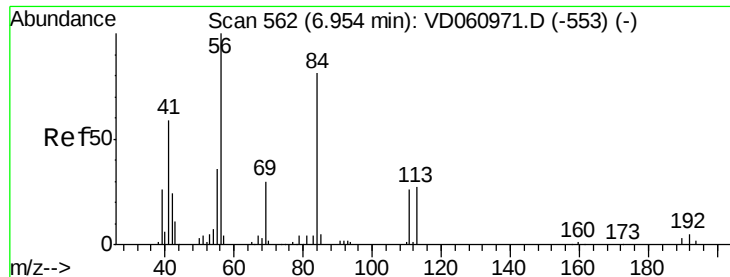
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Time-->

3.70 3.80 3.90 4.00

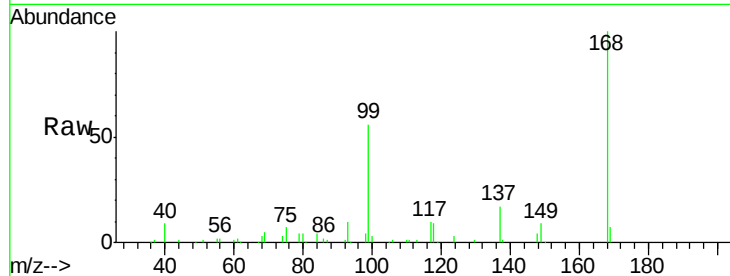




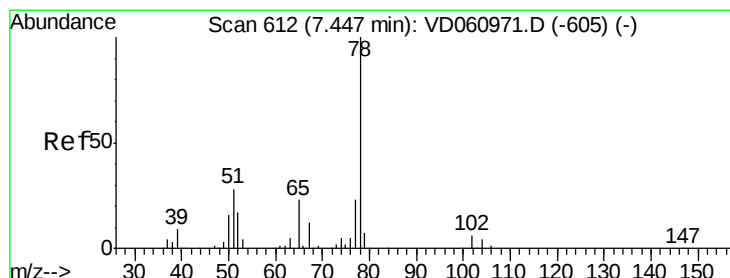
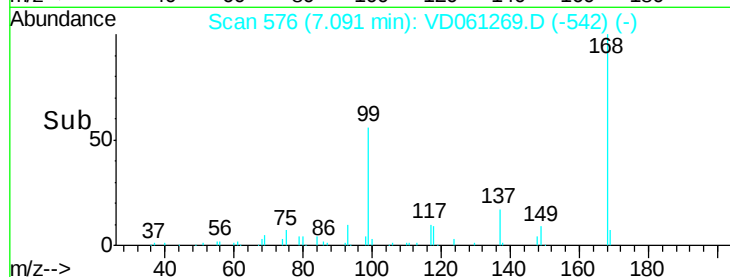
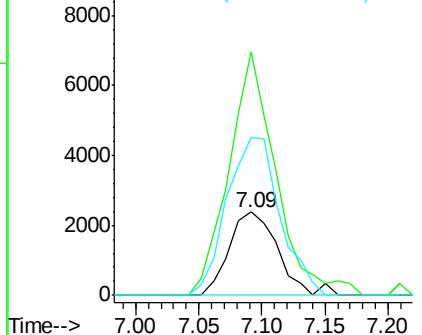
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.14 min
Lab File: VD061269.D
Acq: 22 Mar 2019 19:05

Instrument :
MSVOA_D
ClientSampleId :
SB-23(0.5-1.5)RE

Tot Ion: 56 Resp: 6366
Ion Ratio Lower Upper
56 100
69 292.3 24.0 36.0#
84 189.7 65.8 98.6#

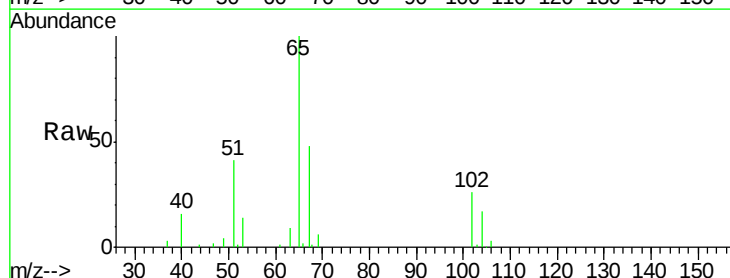


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

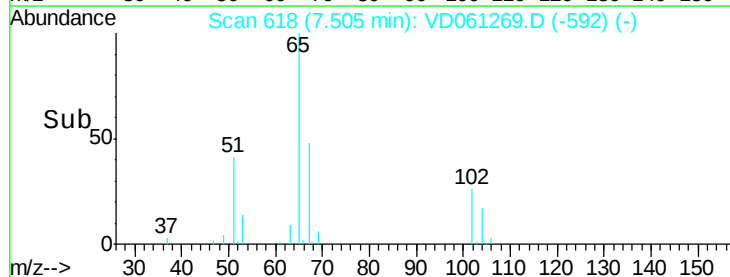
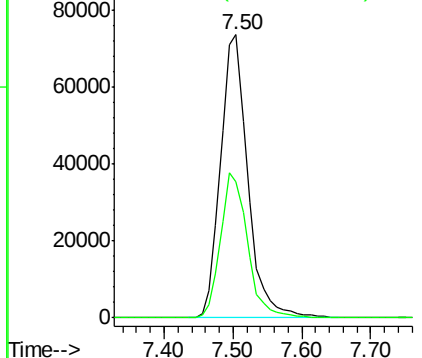


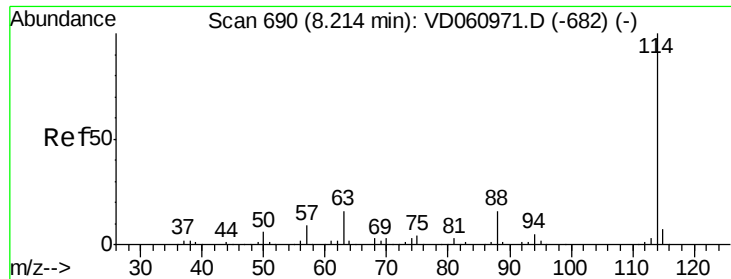
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.50 min Scan# 618
Delta R.T. 0.06 min
Lab File: VD061269.D
Acq: 22 Mar 2019 19:05

Tgt Ion: 65 Resp: 201929
Ion Ratio Lower Upper
65 100
67 48.3 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

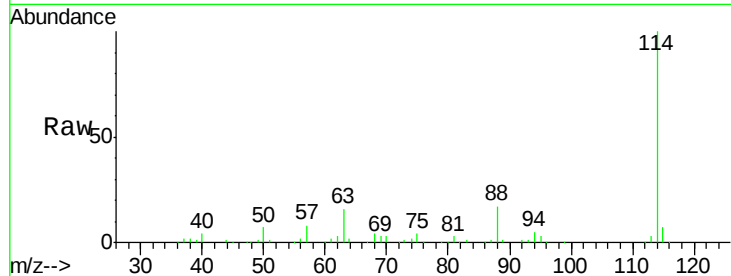




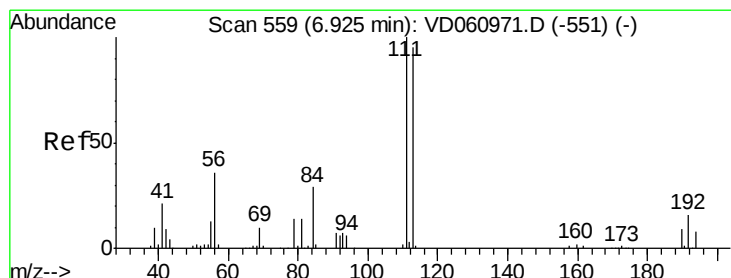
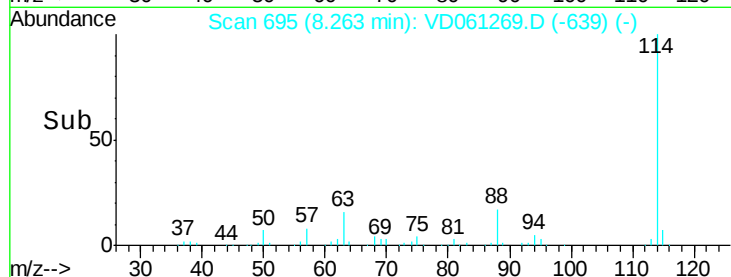
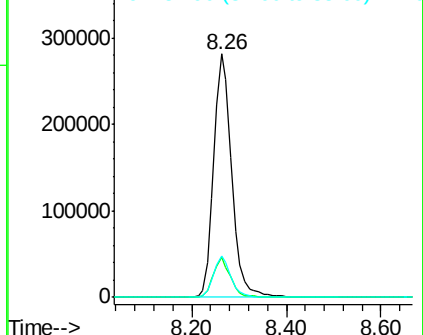
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.26 min Scan# 695
 Delta R.T. 0.05 min
 Lab File: VD061269.D
 Acq: 22 Mar 2019 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-23(0.5-1.5)RE

Tot Ion:114 Resp: 745809
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.4
 88 16.9 0.0 33.0

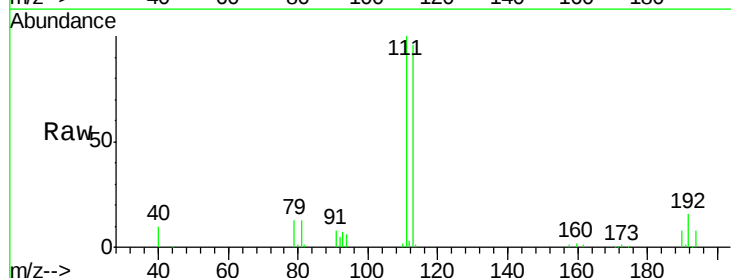


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

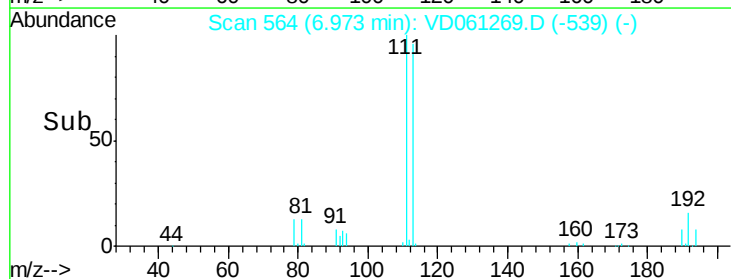
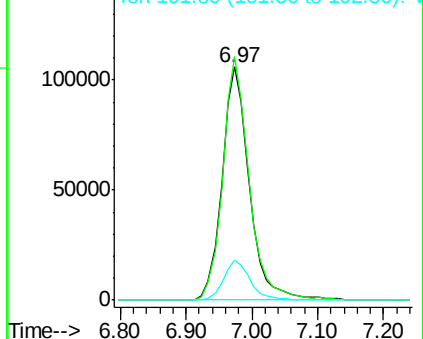


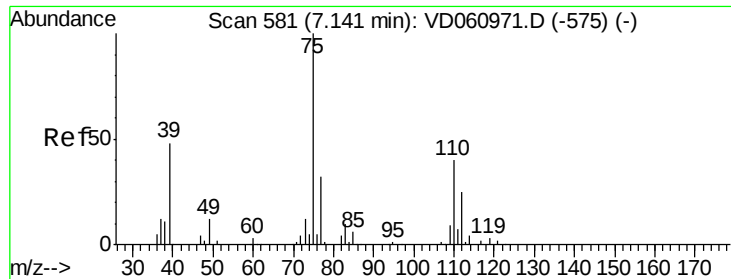
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.97 min Scan# 564
 Delta R.T. 0.05 min
 Lab File: VD061269.D
 Acq: 22 Mar 2019 19:05

Tgt Ion:113 Resp: 306078
 Ion Ratio Lower Upper
 113 100
 111 104.6 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: 3.984 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.05 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

Instrument :

MSVOA_D

ClientSampleId :

SB-23(0.5-1.5)RE

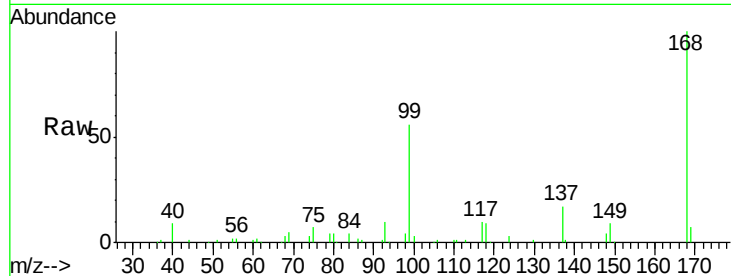
Tot Ion: 75 Resp: 25610

Ion Ratio Lower Upper

75 100

110 8.4 19.7 59.1#

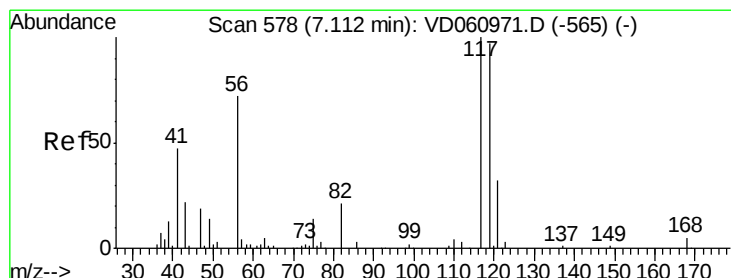
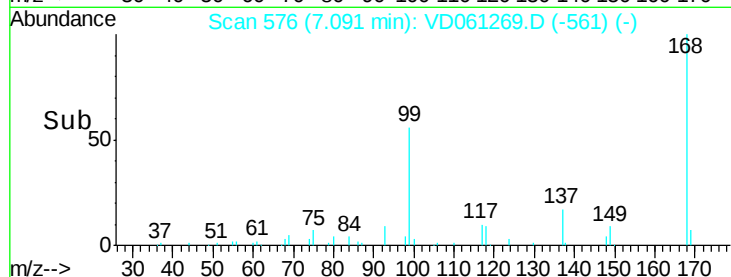
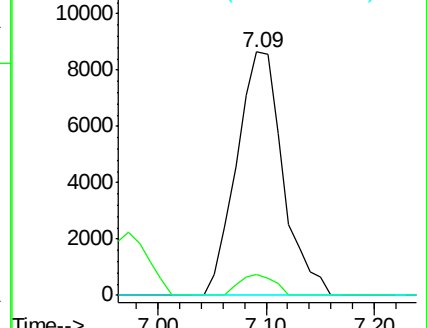
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.006 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.02 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

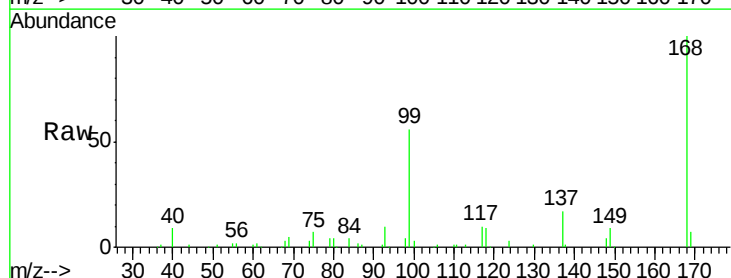
Tgt Ion: 117 Resp: 35447

Ion Ratio Lower Upper

117 100

119 4.2 77.8 116.8#

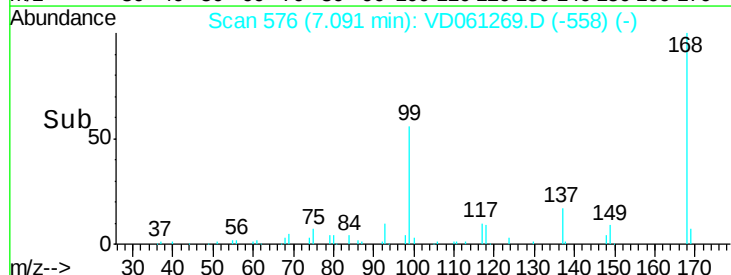
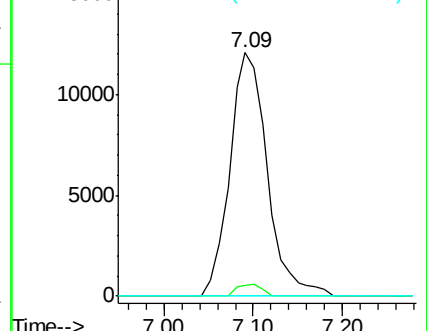
121 0.0 25.3 37.9#

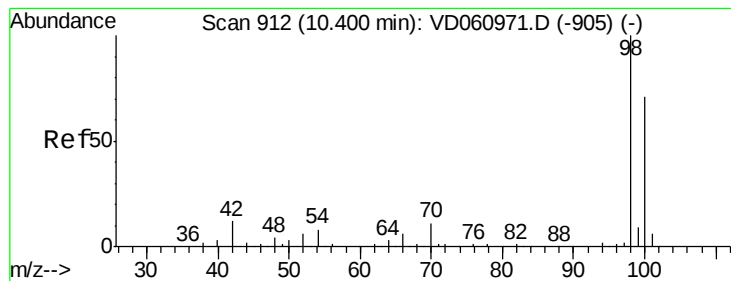


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.45 min Scan# 917

Delta R.T. 0.05 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

Instrument :

MSVOA_D

ClientSampleId :

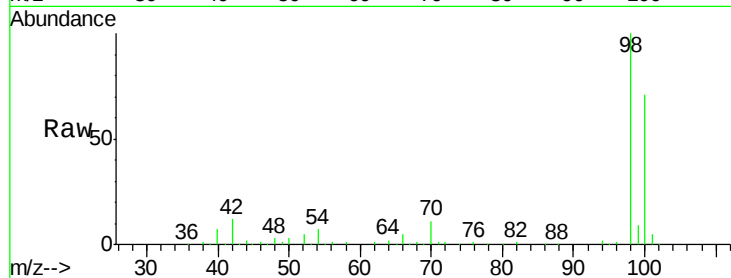
SB-23(0.5-1.5)RE

Tot Ion: 98 Resp: 545291

Ion Ratio Lower Upper

98 100

100 70.6 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) (-)

10.45

250000

200000

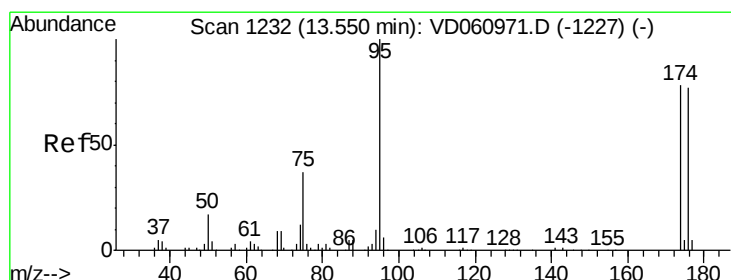
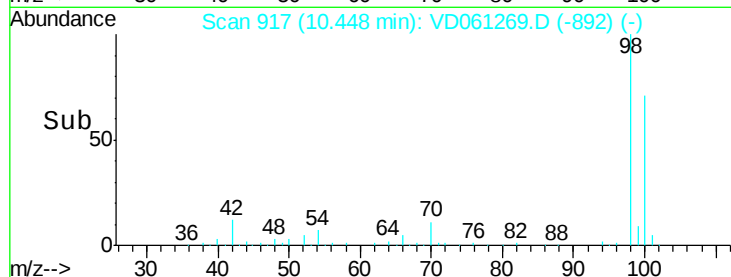
150000

100000

50000

0

Time--> 10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

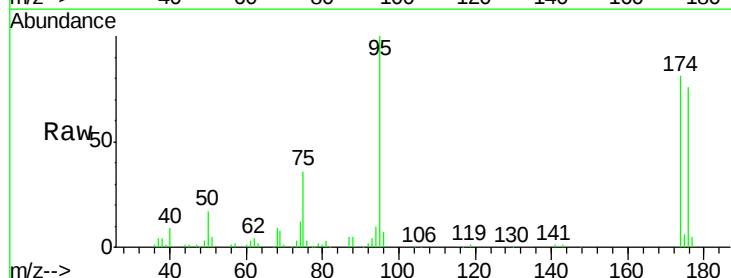
Tgt Ion: 95 Resp: 169092

Ion Ratio Lower Upper

95 100

174 81.0 0.0 155.6

176 75.6 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) (-)

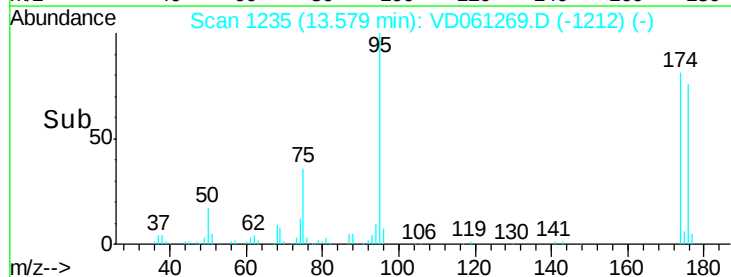
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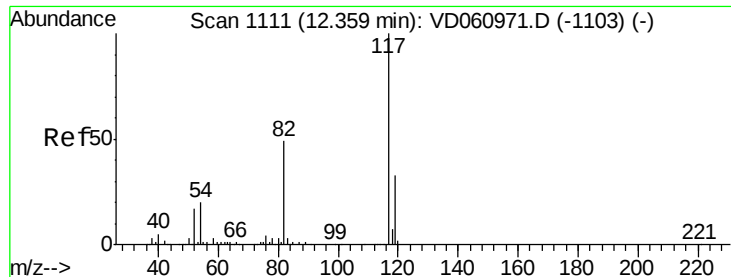
100000

50000

0

Time--> 13.50 13.55 13.60 13.65

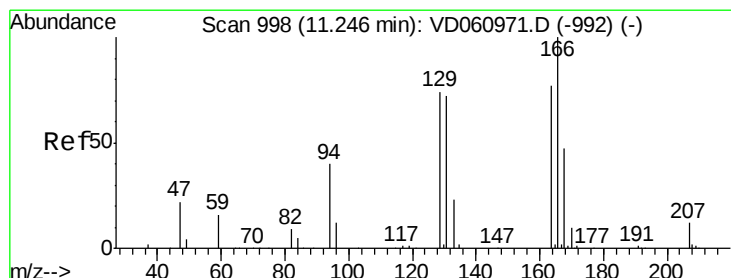
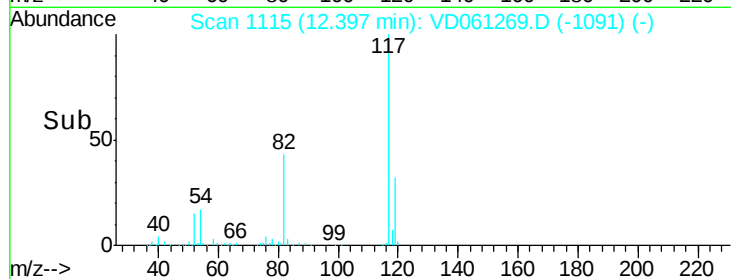
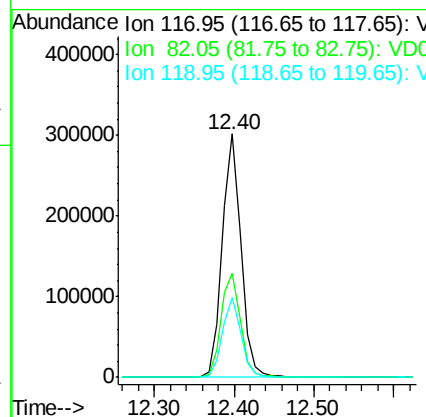
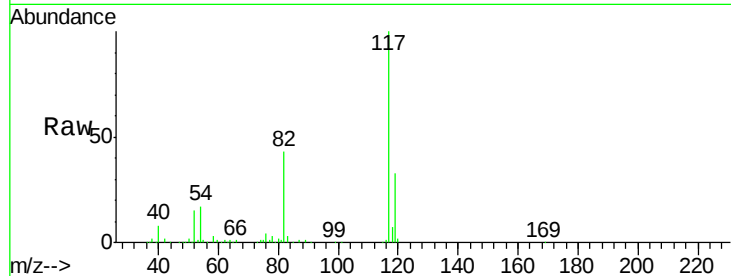




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061269.D
Acq: 22 Mar 2019 19:05

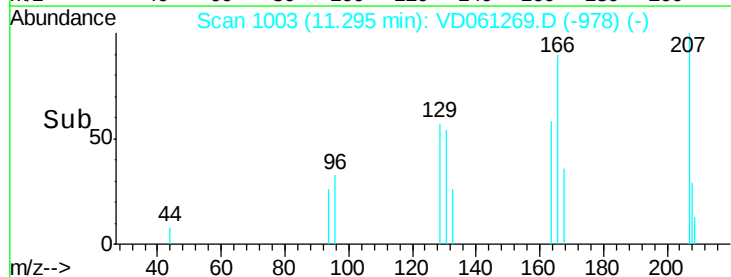
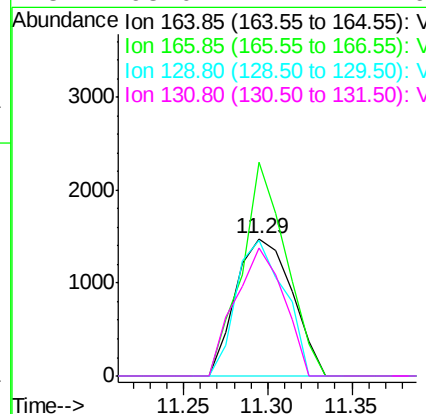
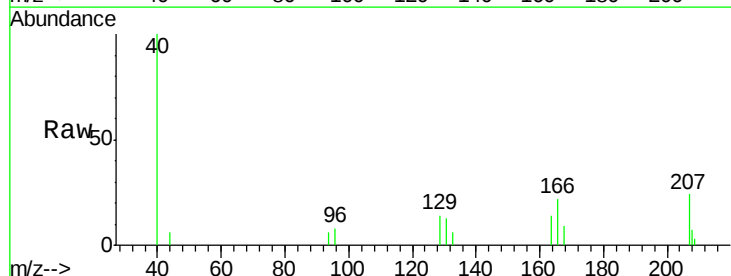
Instrument :
MSVOA_D
ClientSampleId :
SB-23(0.5-1.5)RE

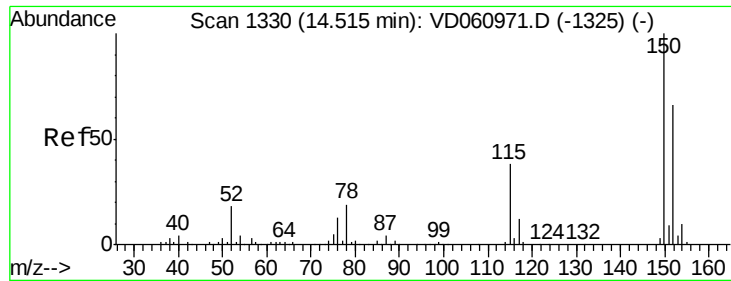
Tot Ion:117 Resp: 502740
Ion Ratio Lower Upper
117 100
82 42.5 38.9 58.3
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 1.011 ug/l
RT: 11.29 min Scan# 1003
Delta R.T. 0.05 min
Lab File: VD061269.D
Acq: 22 Mar 2019 19:05

Tgt Ion:164 Resp: 3431
Ion Ratio Lower Upper
164 100
166 155.2 103.4 155.0#
129 98.6 76.9 115.3
131 93.0 74.4 111.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

Instrument :

MSVOA_D

ClientSampleId :

SB-23(0.5-1.5)RE

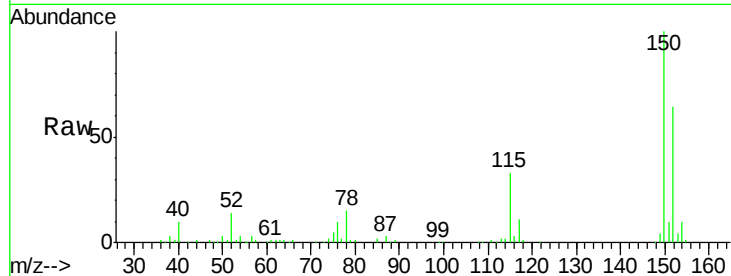
Tot Ion:152 Resp: 147842

Ion Ratio Lower Upper

152 100

115 51.9 28.6 85.9

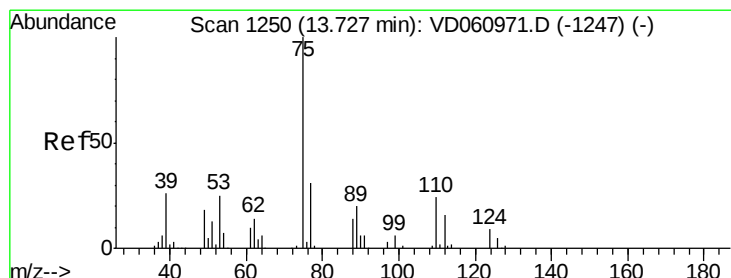
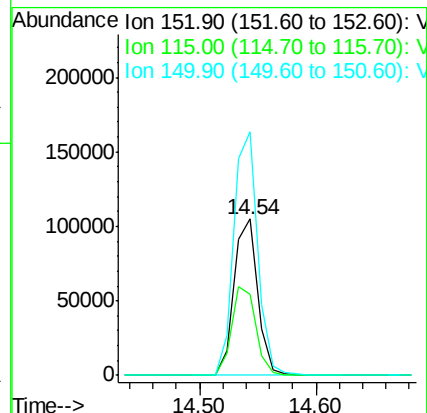
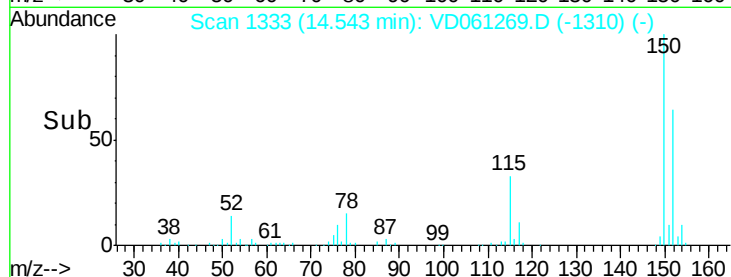
150 155.5 0.0 310.6



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: 28.534 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.15 min

Lab File: VD061269.D

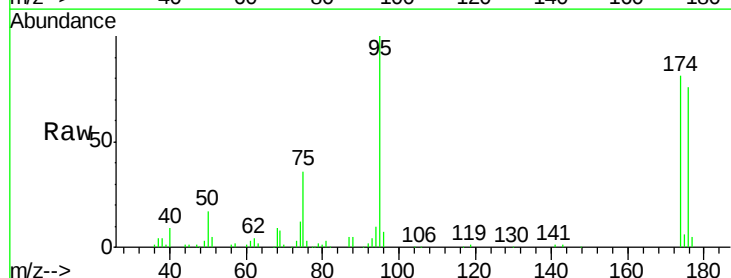
Acq: 22 Mar 2019 19:05

Tgt Ion: 75 Resp: 60691

Ion Ratio Lower Upper

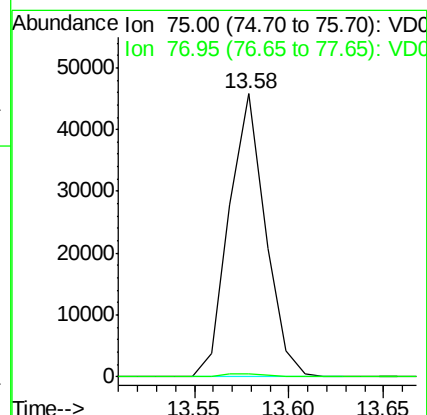
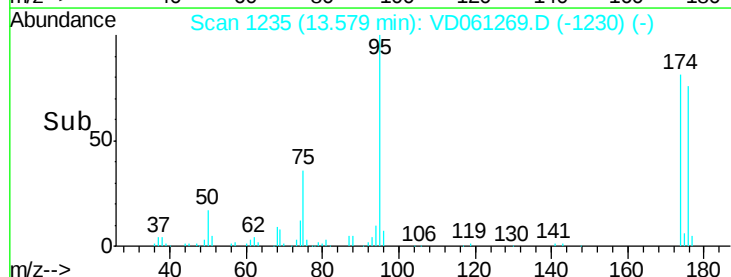
75 100

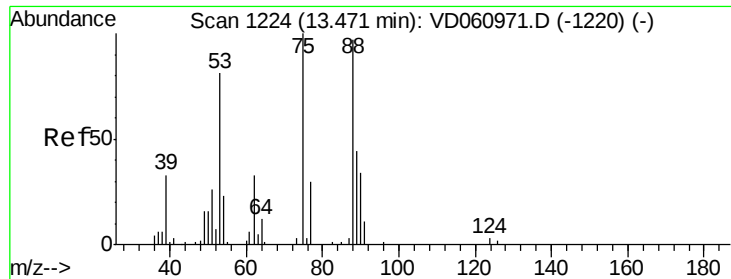
77 1.2 16.6 49.7#



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: 96.784 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.11 min

Lab File: VD061269.D

Acq: 22 Mar 2019 19:05

Instrument :

MSVOA_D

ClientSampleId :

SB-23(0.5-1.5)RE

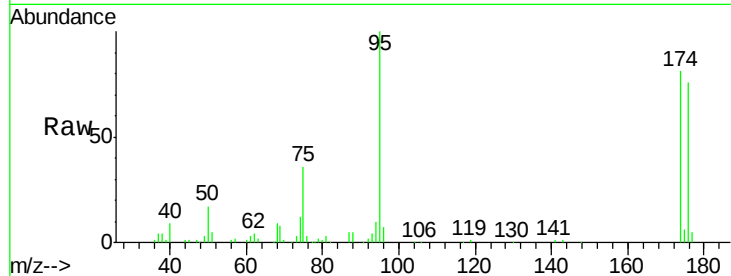
Tot Ion: 75 Resp: 60691

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

