

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061074.D
 Acq On : 14 Mar 2019 19:36
 Operator : VA/AP
 Sample : K1901-10
 Misc : 5.45g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16(7-8)

Quant Time: Mar 15 02:14:10 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	7.05	168	451137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	785151	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	525519	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	142228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	211083	56.21	ug/l	0.01
Spiked Amount			Recovery	=	112.42%	
35) Dibromofluoromethane	6.93	113	330071	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	
50) Toluene-d8	10.41	98	679715	46.45	ug/l	0.01
Spiked Amount			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	13.55	95	204575	36.03	ug/l	0.00
Spiked Amount			Recovery	=	72.06%	

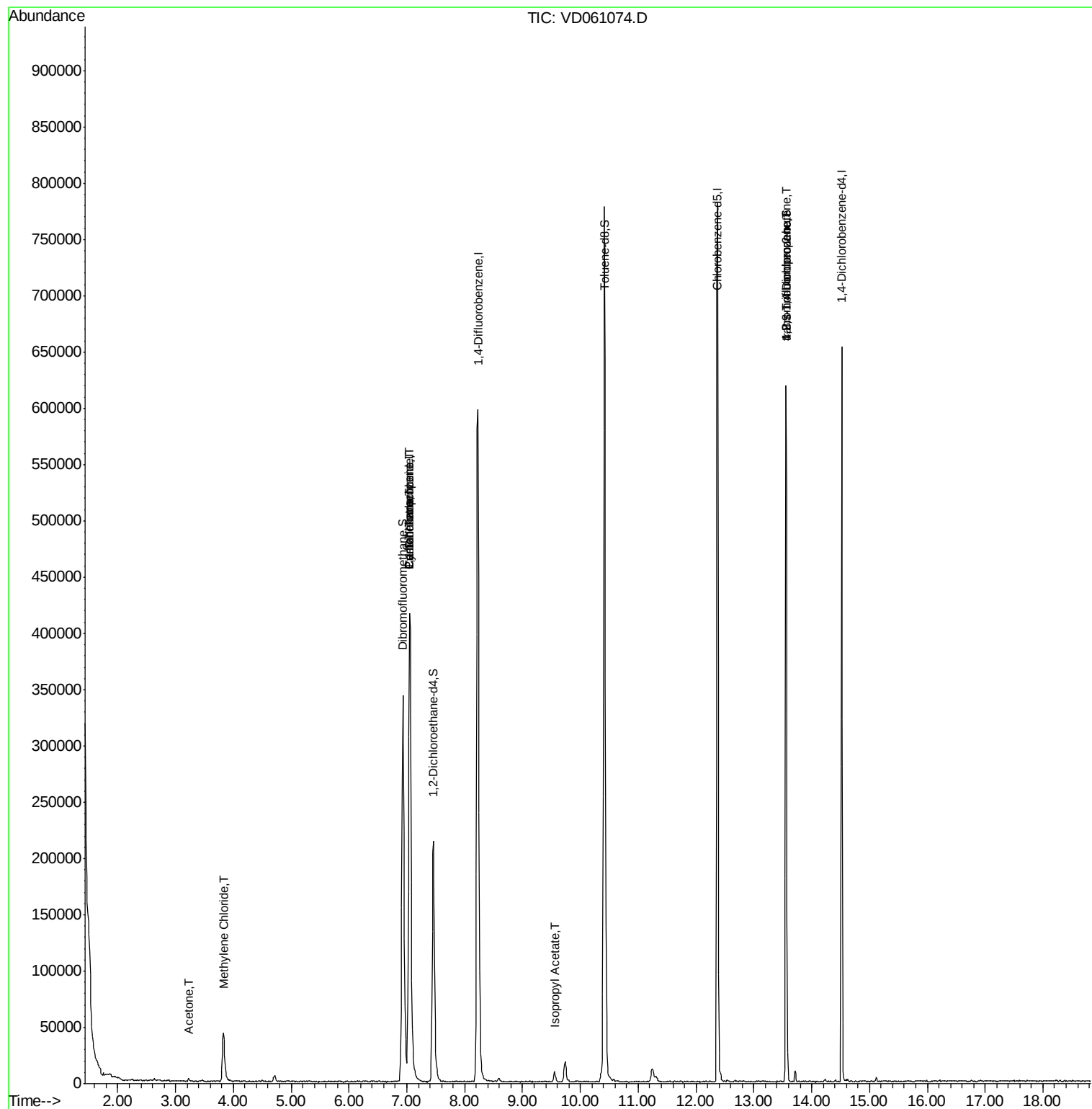
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	217	Below Cal	#	8
16) Acetone	3.23	43	3515	3.273	ug/l	97
20) Methylene Chloride	3.83	84	33545	2.412	ug/l	97
31) Cyclohexane	7.06	56	7606	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	31594	4.668	ug/l #	43
38) Carbon Tetrachloride	7.05	117	42523	5.704	ug/l #	14
43) Isopropyl Acetate	9.55	43	7109	1.616	ug/l #	43
76) 1,2,3-Trichloropropane	13.55	75	62374	30.483	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	74900	124.158	ug/l #	17

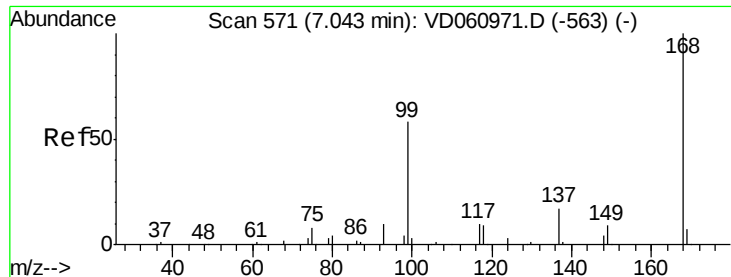
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

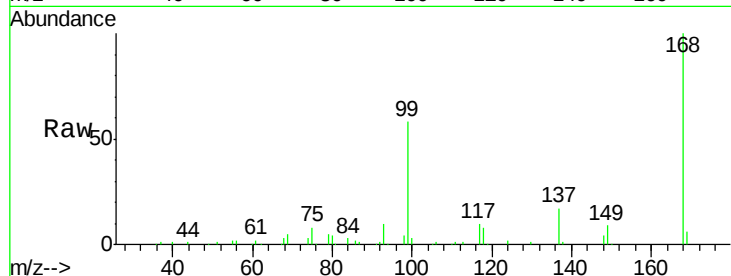
SB-16(7-8)

Tot Ion:168 Resp: 451137

Ion Ratio Lower Upper

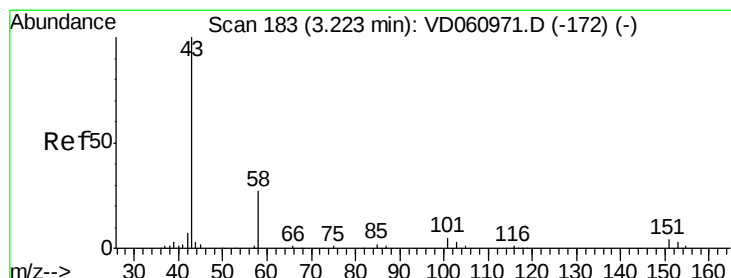
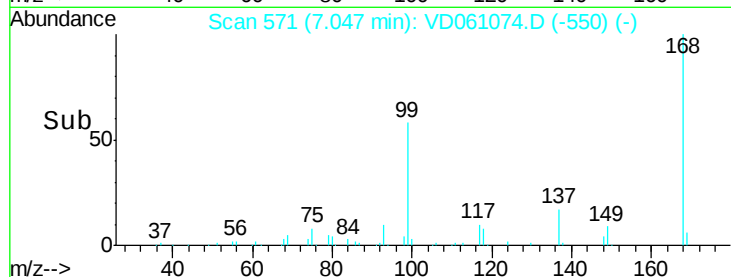
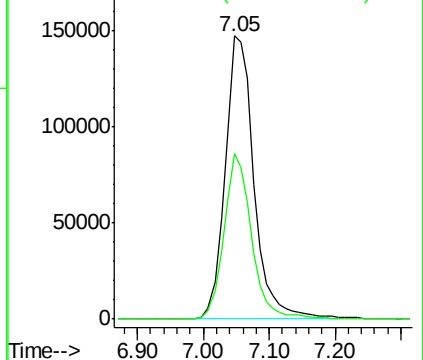
168 100

99 58.3 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: 3.273 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061074.D

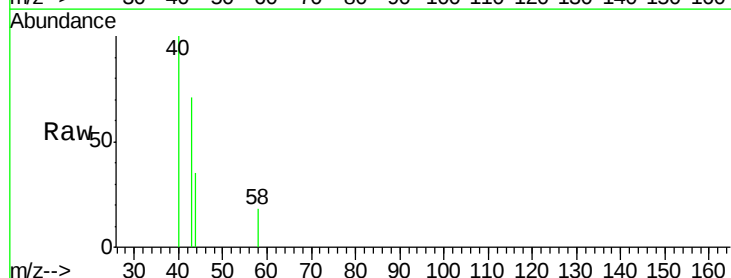
Acq: 14 Mar 2019 19:36

Tgt Ion: 43 Resp: 3515

Ion Ratio Lower Upper

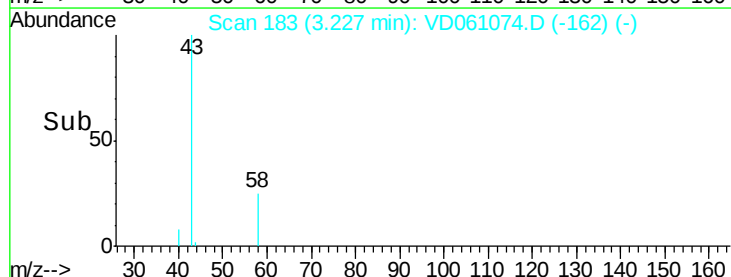
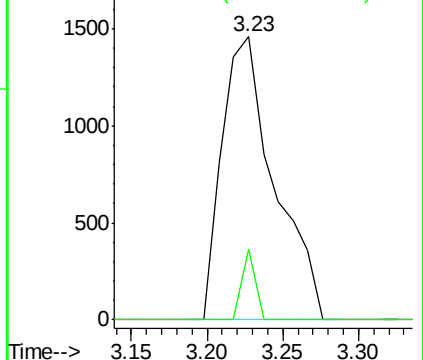
43 100

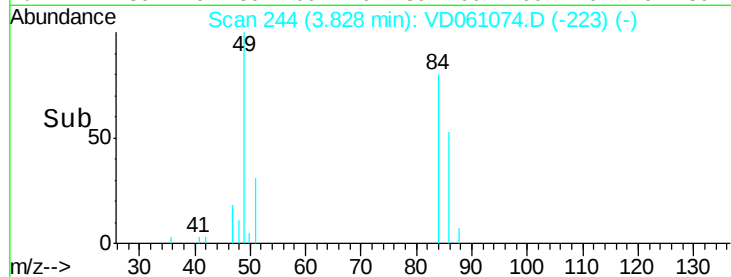
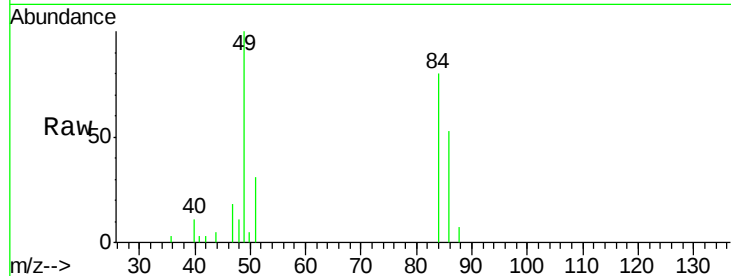
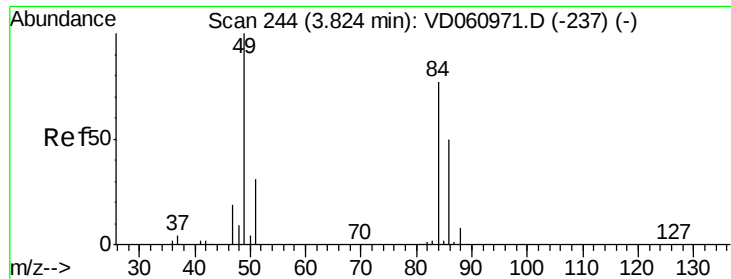
58 25.2 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

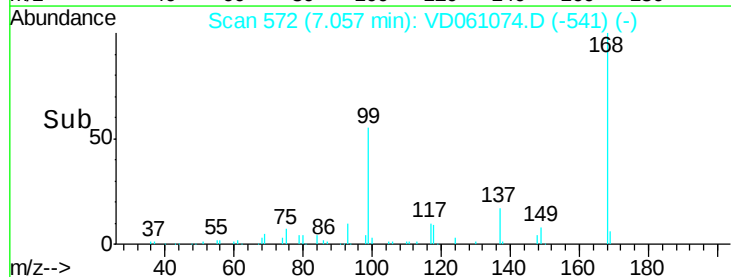
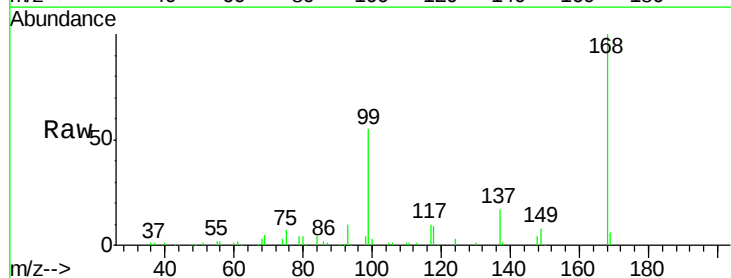
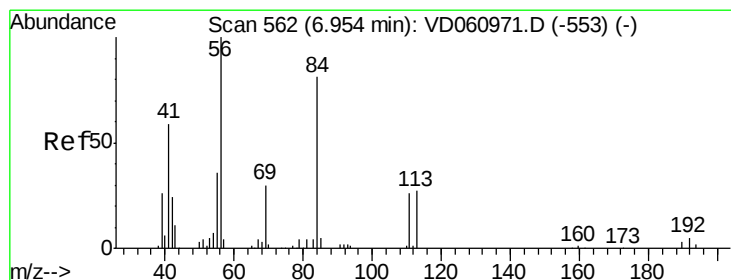
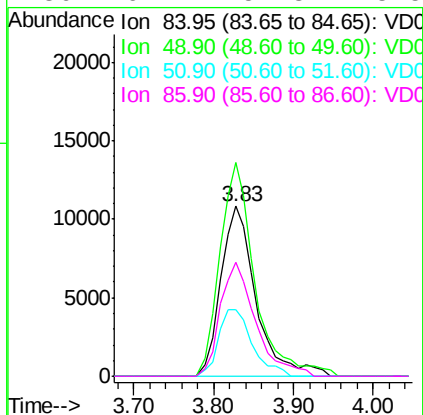




#20
Methvlene Chloride
Concen: 2.412 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061074.D
Acq: 14 Mar 2019 19:36

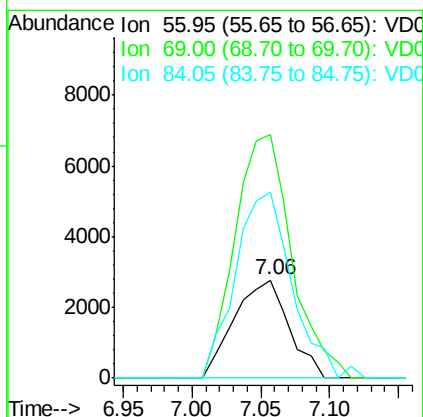
Instrument :
MSVOA_D
ClientSampleId :
SB-16(7-8)

Tot Ion: 84 Resp: 33545
Ion Ratio Lower Upper
84 100
49 125.7 104.2 156.2
51 39.2 32.3 48.5
86 67.1 52.3 78.5



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061074.D
Acq: 14 Mar 2019 19:36

Tgt Ion: 56 Resp: 7606
Ion Ratio Lower Upper
56 100
69 249.3 24.0 36.0#
84 190.4 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

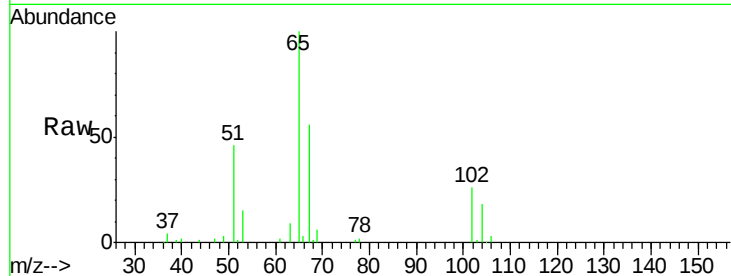
SB-16(7-8)

Tot Ion: 65 Resp: 211083

Ion Ratio Lower Upper

65 100

67 56.3 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

80000

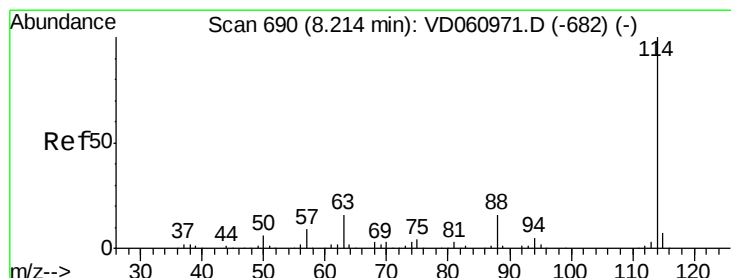
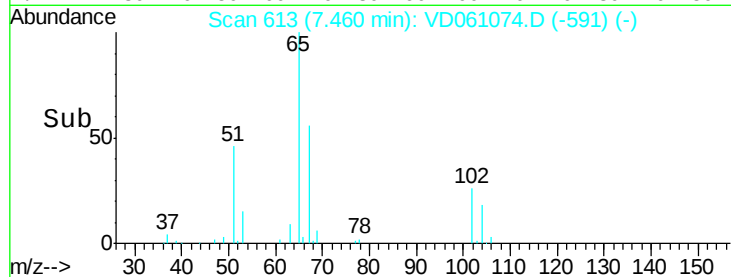
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

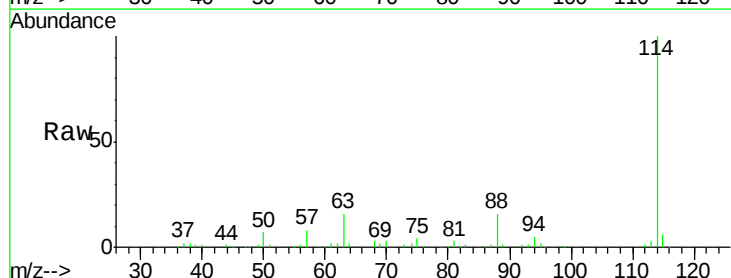
Tgt Ion: 114 Resp: 785151

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

88 16.3 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

8.23

400000

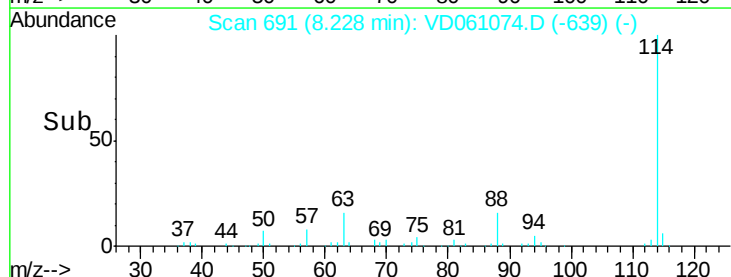
300000

200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

SB-16(7-8)

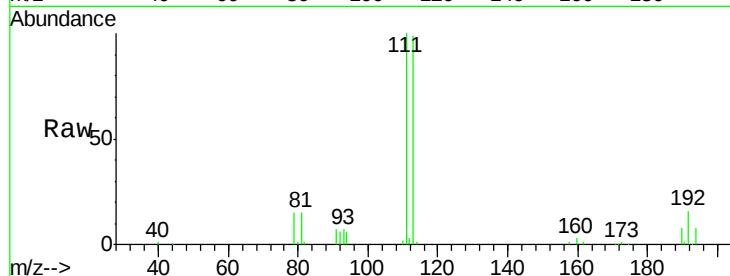
Tot Ion:113 Resp: 330071

Ion Ratio Lower Upper

113 100

111 101.1 84.2 126.4

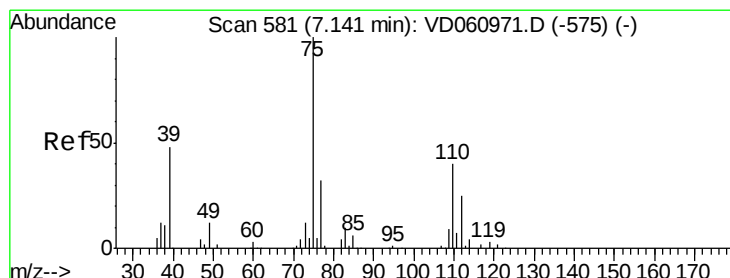
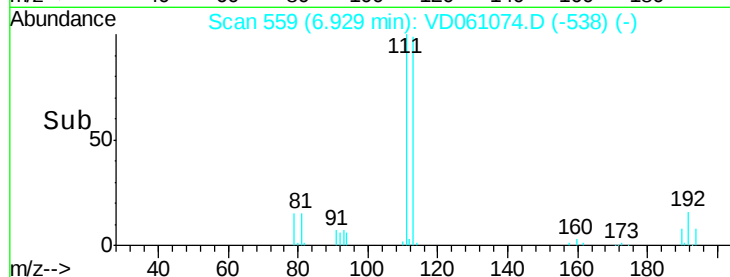
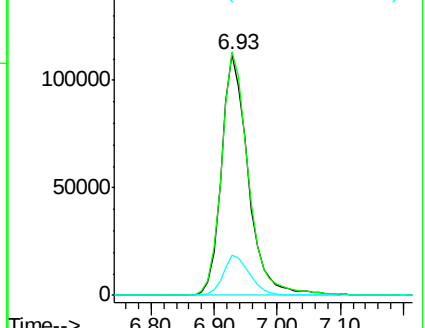
192 16.6 13.1 19.7



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: 4.668 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

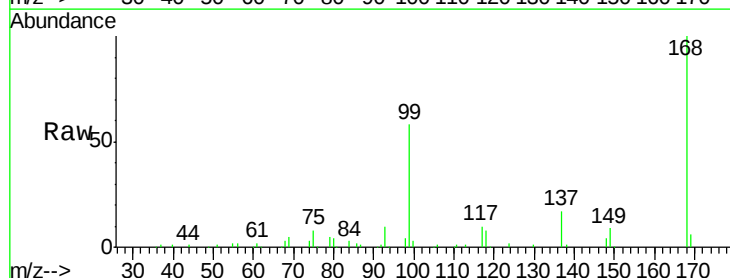
Tgt Ion: 75 Resp: 31594

Ion Ratio Lower Upper

75 100

110 4.3 19.7 59.1#

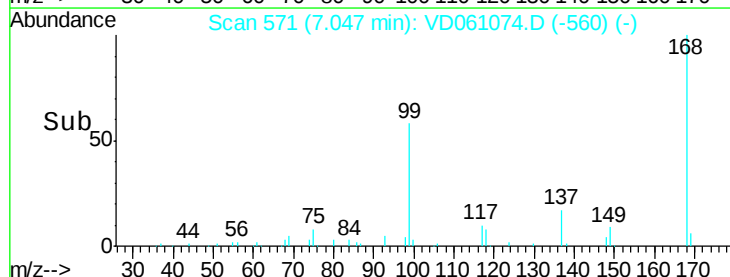
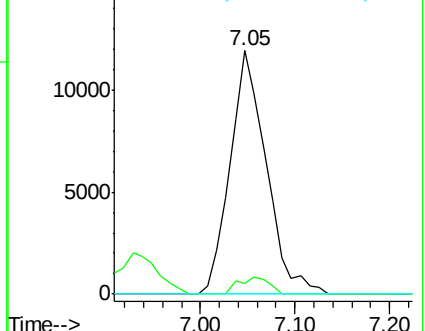
77 0.0 24.7 37.1#

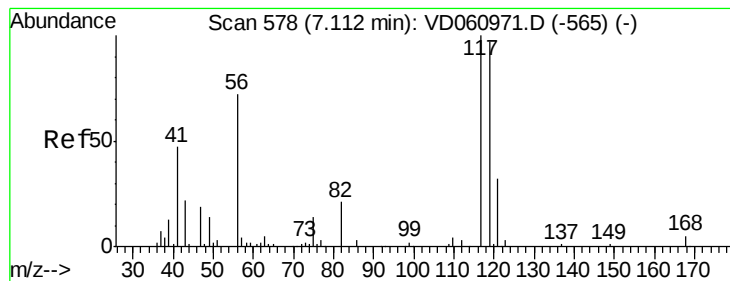


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.704 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.06 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

SB-16(7-8)

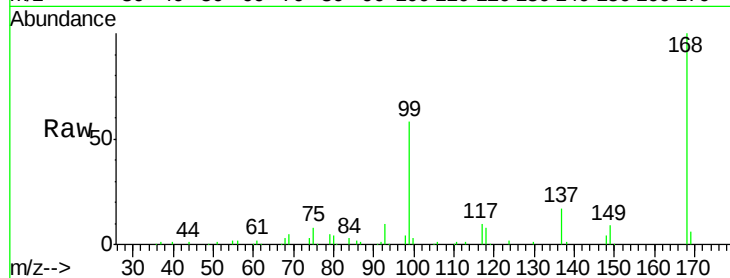
Tot Ion:117 Resp: 42523

Ion Ratio Lower Upper

117 100

119 3.7 77.8 116.8#

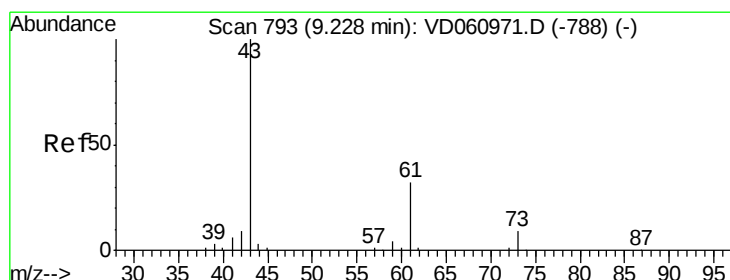
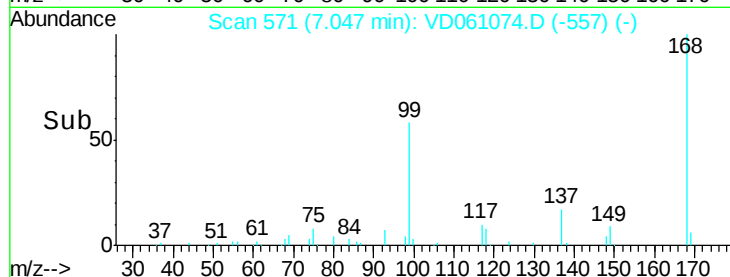
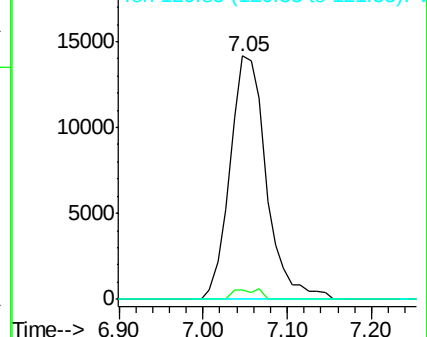
121 0.0 25.3 37.9#



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: 1.616 ug/l

RT: 9.55 min Scan# 825

Delta R.T. 0.32 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

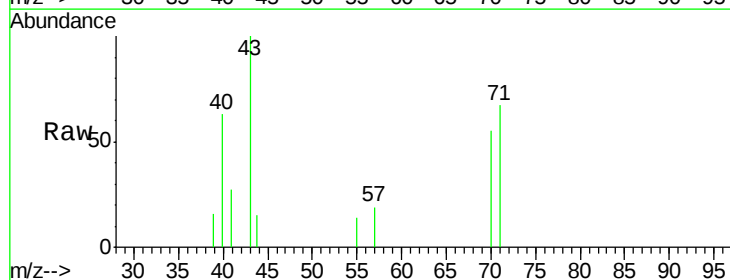
Tgt Ion: 43 Resp: 7109

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

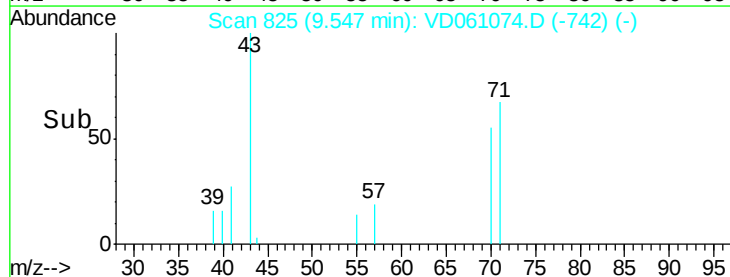
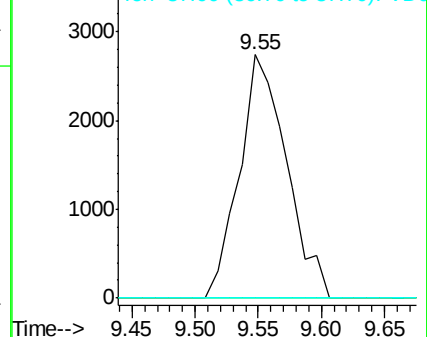
87 0.0 0.2 0.4#

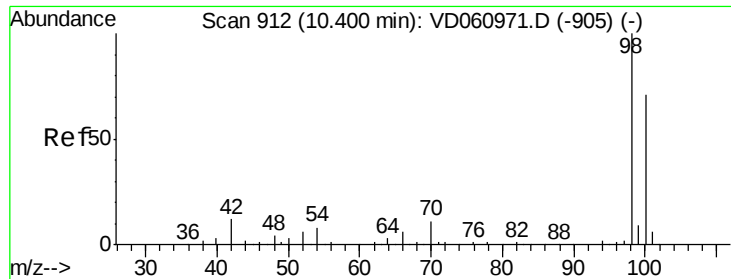


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

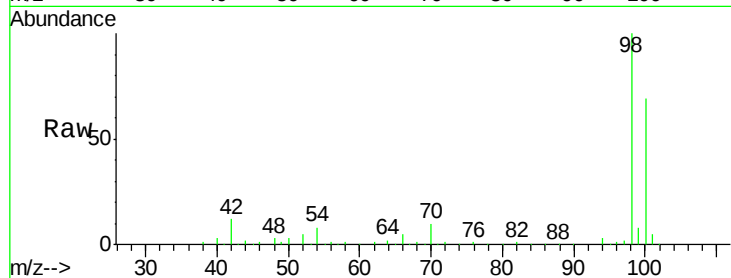
SB-16(7-8)

Tot Ion: 98 Resp: 679715

Ion Ratio Lower Upper

98 100

100 69.3 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) (-)

10.41

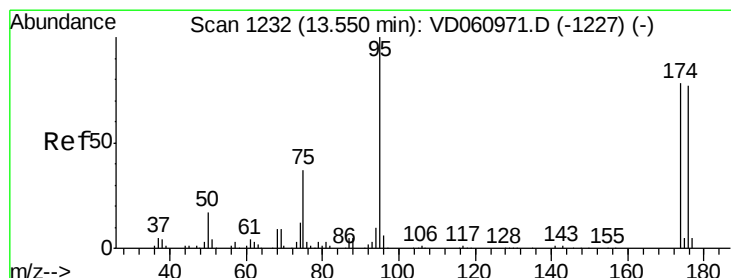
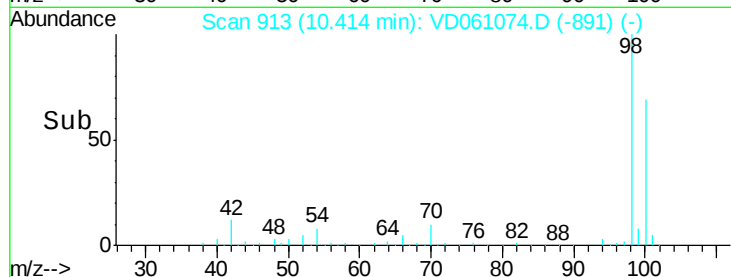
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

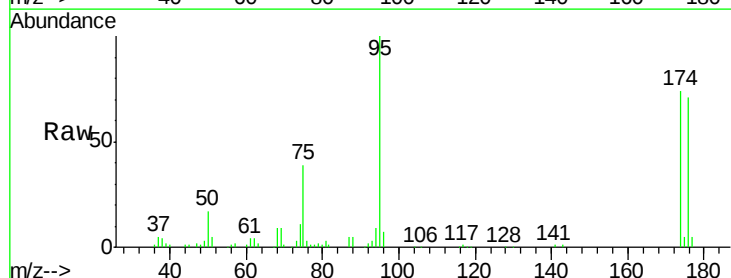
Tgt Ion: 95 Resp: 204575

Ion Ratio Lower Upper

95 100

174 74.1 0.0 155.6

176 71.2 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) (-)

13.55

200000

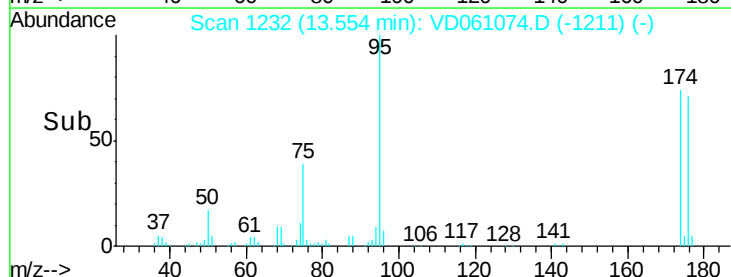
150000

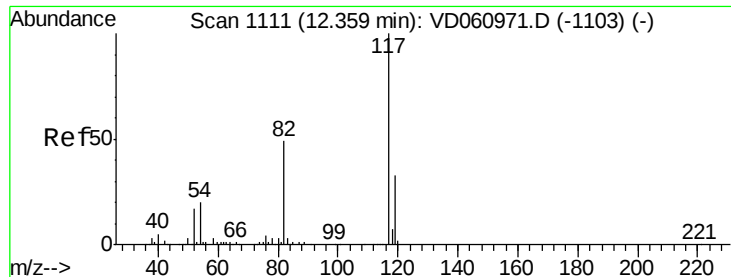
100000

50000

0

Time-->

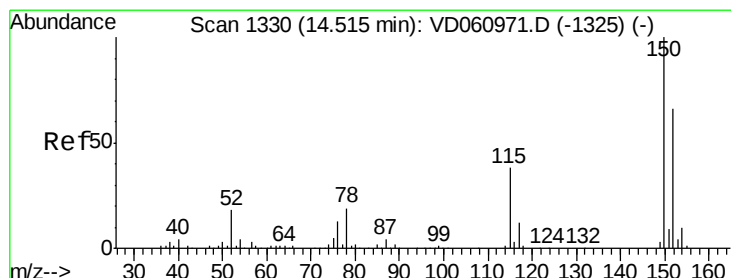
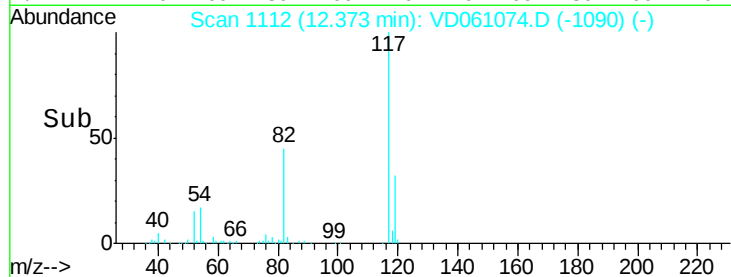
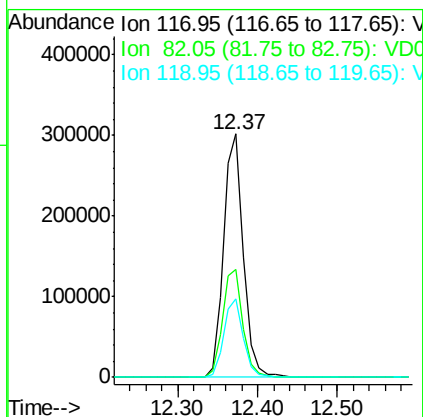
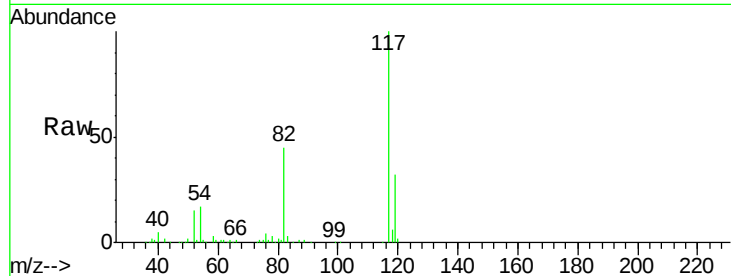




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061074.D
Acq: 14 Mar 2019 19:36

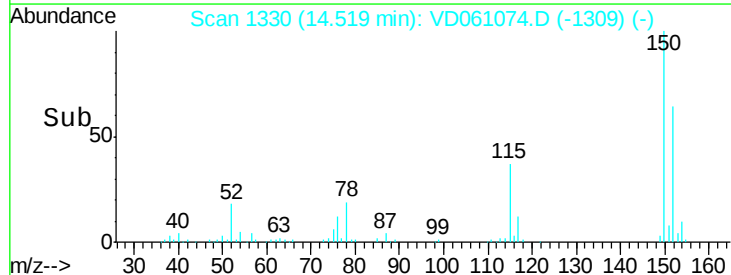
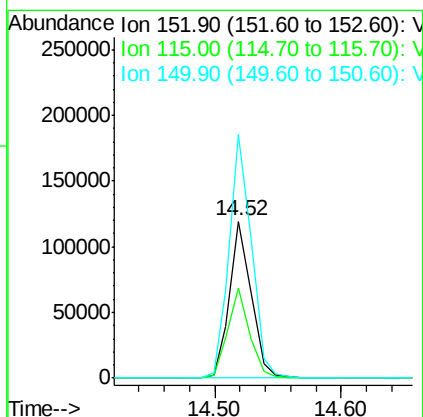
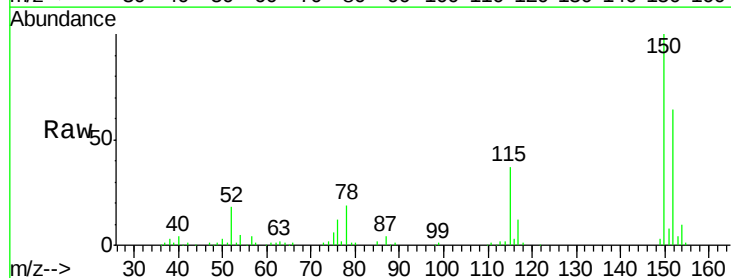
Instrument :
MSVOA_D
ClientSampleId :
SB-16(7-8)

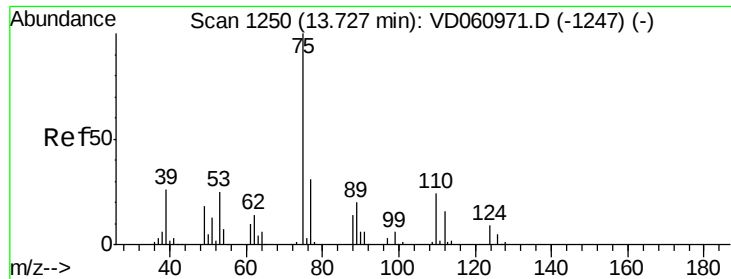
Tot Ion:117 Resp: 525519
Ion Ratio Lower Upper
117 100
82 44.5 38.9 58.3
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061074.D
Acq: 14 Mar 2019 19:36

Tgt Ion:152 Resp: 142228
Ion Ratio Lower Upper
152 100
115 57.5 28.6 85.9
150 155.5 0.0 310.6





#76

1,2,3-Trichloropropane

Concen: 30.483 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

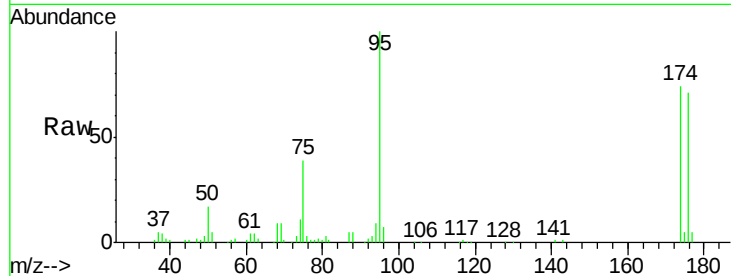
SB-16(7-8)

Tot Ion: 75 Resp: 62374

Ion Ratio Lower Upper

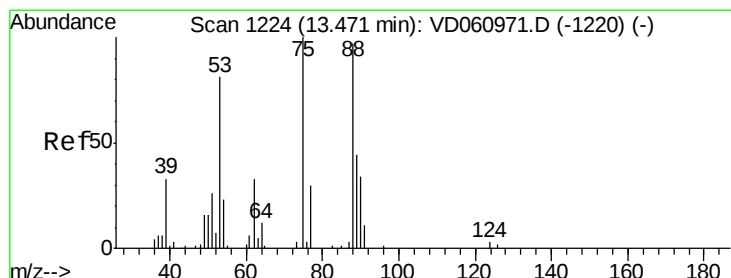
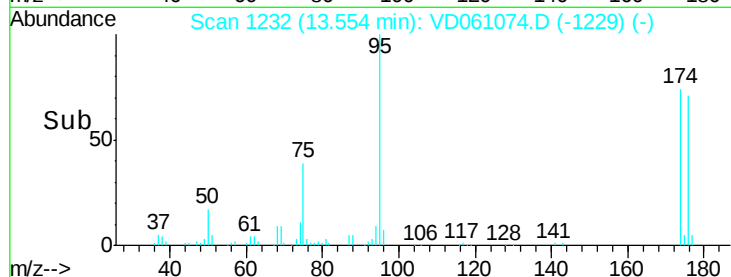
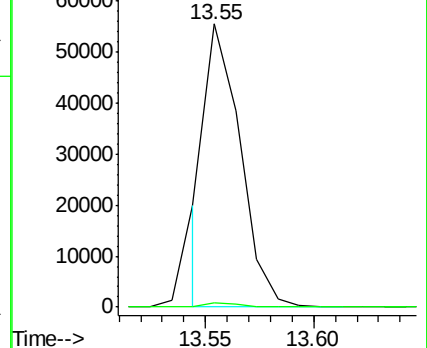
75 100

77 1.6 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: 124.158 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061074.D

Acq: 14 Mar 2019 19:36

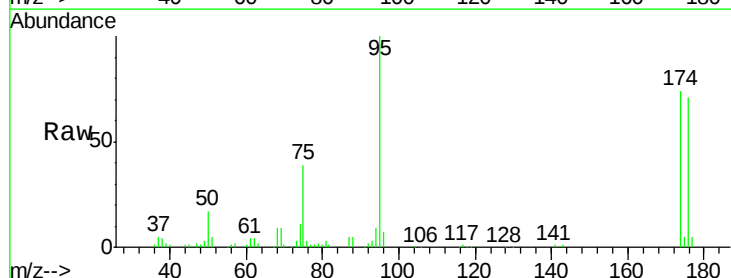
Tgt Ion: 75 Resp: 74900

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

