

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061084.D
 Acq On : 15 Mar 2019 13:54
 Operator : VA/AP
 Sample : K1901-02RE
 Misc : 3.56g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(12-13)RE

Quant Time: Mar 16 05:42:23 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	7.07	168	438910	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	745826	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	512698	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	174212	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	222920	61.02	ug/l	0.03
Spiked Amount			Recovery	=	122.04%	
35) Dibromofluoromethane	6.96	113	348170	62.90	ug/l	0.03
Spiked Amount			Recovery	=	125.80%	
50) Toluene-d8	10.43	98	749644	53.93	ug/l	0.03
Spiked Amount			Recovery	=	107.86%	
62) 4-Bromofluorobenzene	13.57	95	224692	41.66	ug/l	0.02
Spiked Amount			Recovery	=	83.32%	

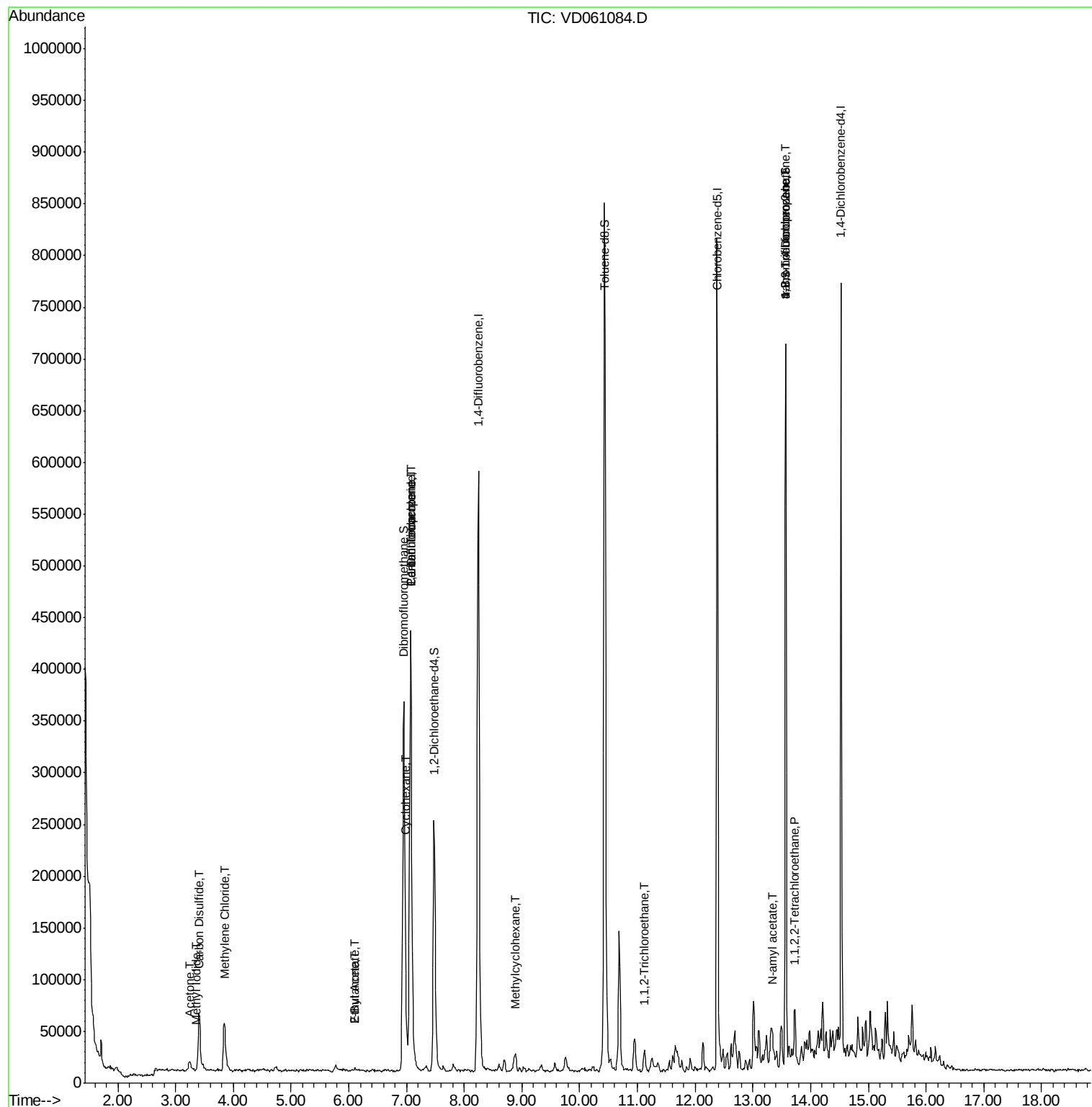
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	228	Below Cal	#	8
10) Methyl Iodide	3.35	142	909	3.049	ug/l #	39
16) Acetone	3.23	43	18532	17.739	ug/l #	83
17) Carbon Disulfide	3.40	76	115435	7.767	ug/l	99
20) Methylene Chloride	3.84	84	35242	3.016	ug/l	96
25) 2-Butanone	6.10	43	5254	4.432	ug/l #	55
31) Cyclohexane	6.98	56	10363	1.603	ug/l	92
36) 1,1-Dichloropropene	7.07	75	30810	4.792	ug/l #	44
37) Ethyl Acetate	6.10	43	5254	1.742	ug/l #	66
38) Carbon Tetrachloride	7.07	117	41756	5.896	ug/l #	15
39) Methylcyclohexane	8.88	83	9858	1.479	ug/l #	84
55) 1,1,2-Trichloroethane	11.12	97	9658	2.903	ug/l #	15
74) N-amyl acetate	13.34	43	14472	4.094	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	13.72	83	2987	1.219	ug/l #	26
76) 1,2,3-Trichloropropane	13.57	75	71856	28.670	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	79481	107.563	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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

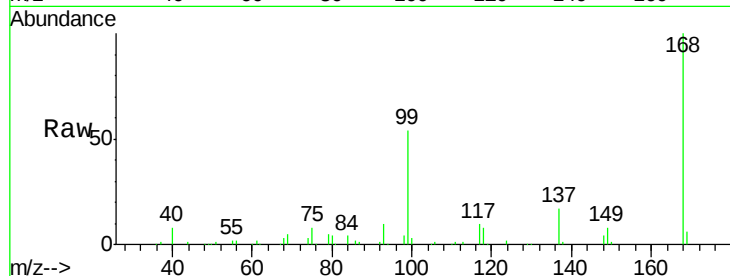
SB-1(12-13)RE

Tot Ion:168 Resp: 438910

Ion Ratio Lower Upper

168 100

99 54.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

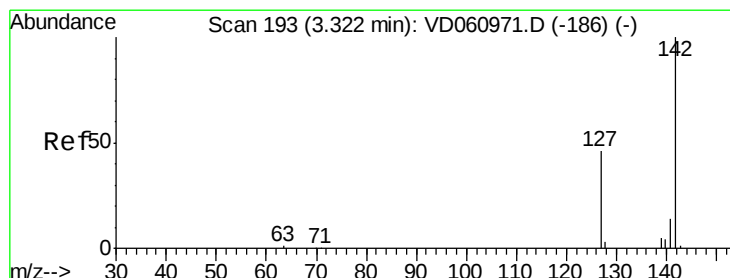
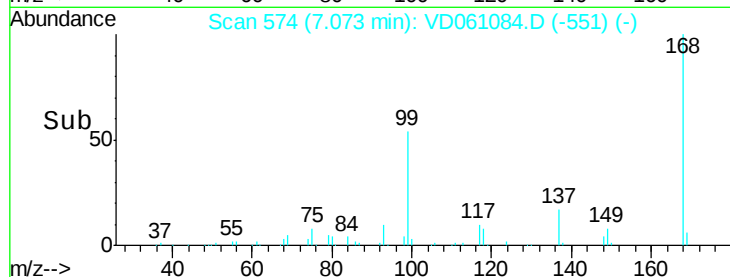
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.049 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.03 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

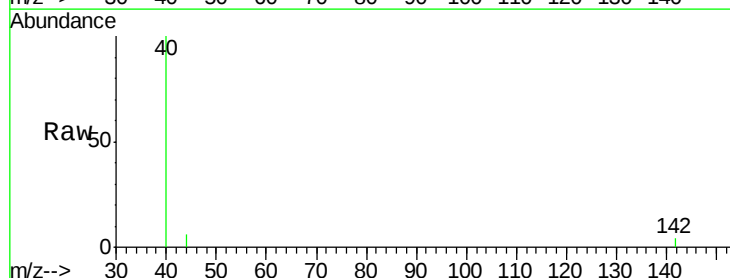
Tgt Ion:142 Resp: 909

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.35

600

500

400

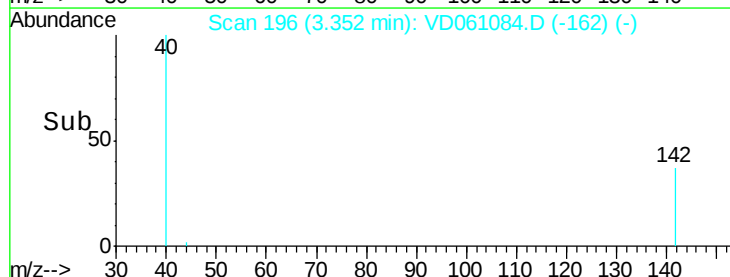
300

200

100

0

Time--> 3.30 3.35 3.40





#16

Acetone

Concen: 17.739 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

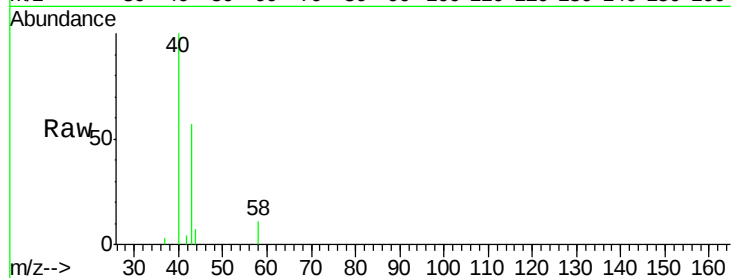
SB-1(12-13)RE

Tot Ion: 43 Resp: 18532

Ion Ratio Lower Upper

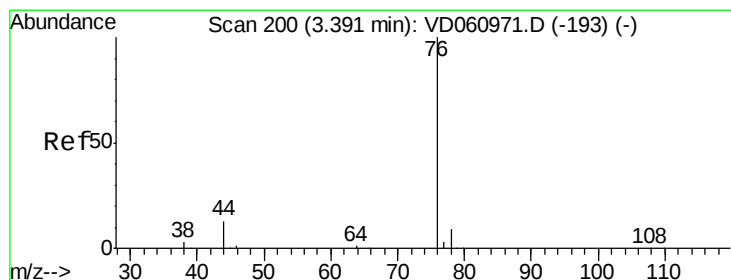
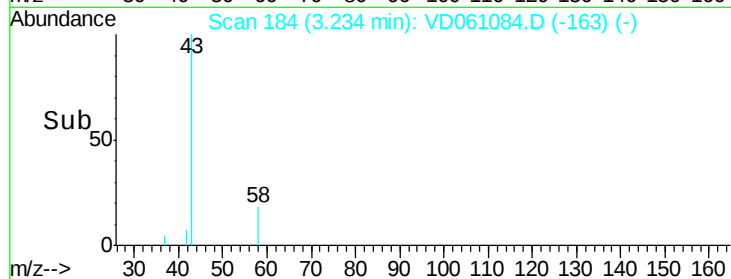
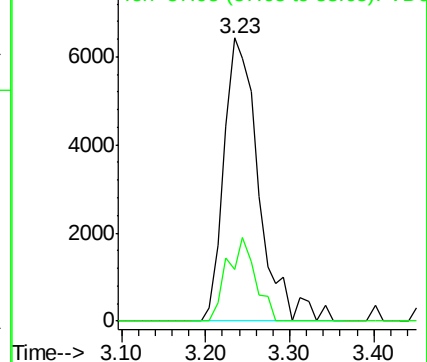
43 100

58 18.4 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 7.767 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061084.D

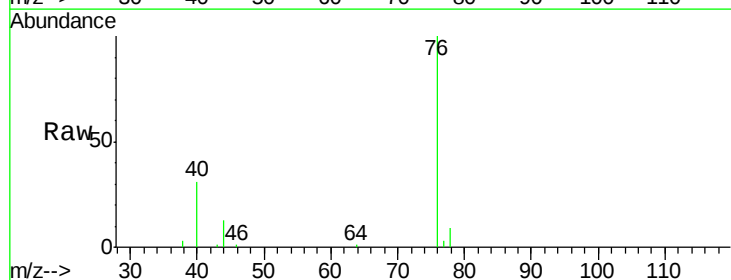
Acq: 15 Mar 2019 13:54

Tgt Ion: 76 Resp: 115435

Ion Ratio Lower Upper

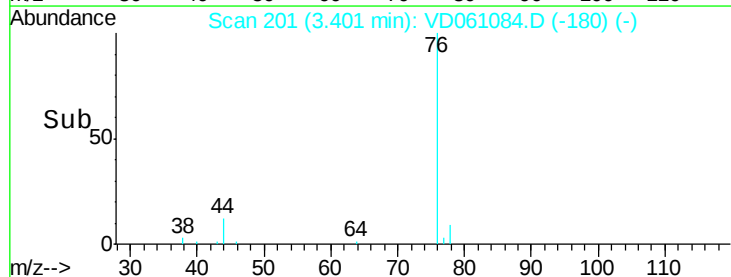
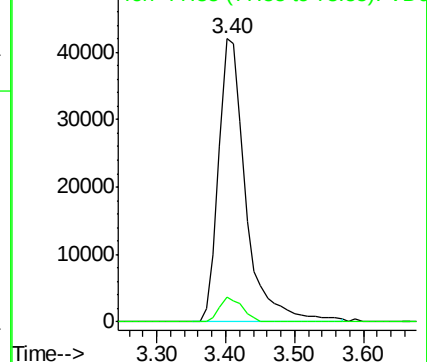
76 100

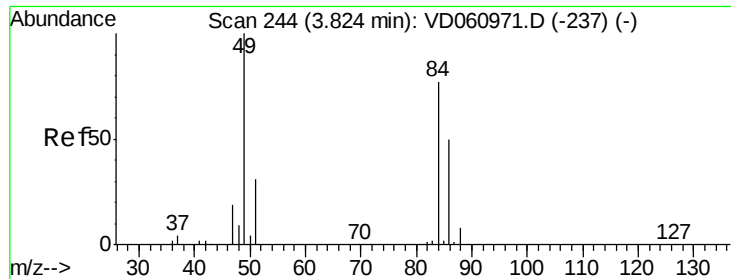
78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

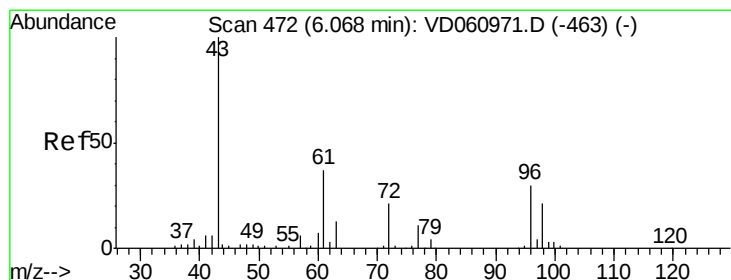
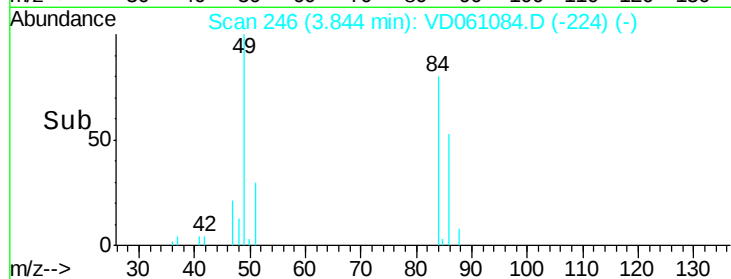
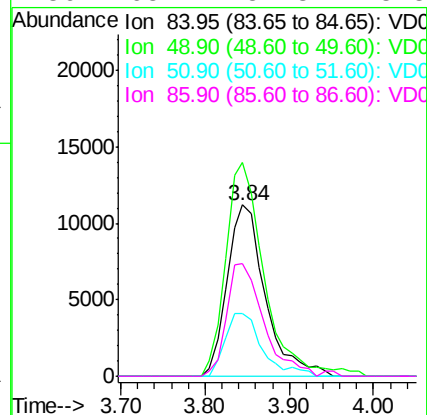
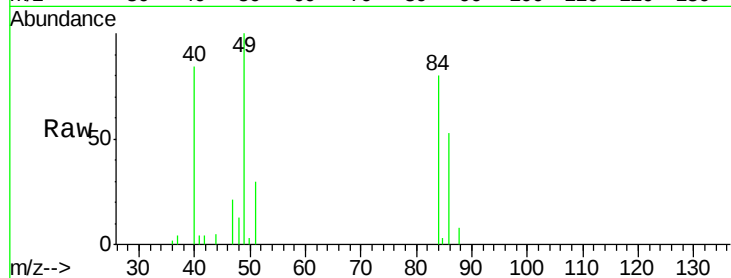




#20
Methylene Chloride
Concen: 3.016 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061084.D
Acq: 15 Mar 2019 13:54

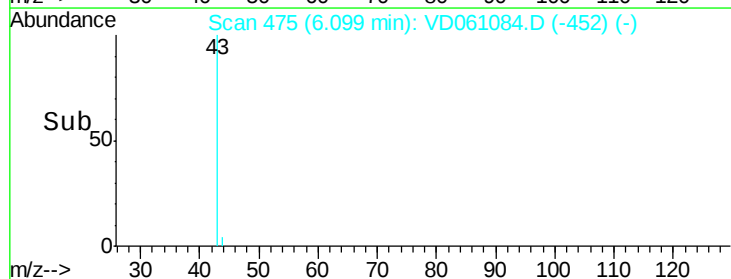
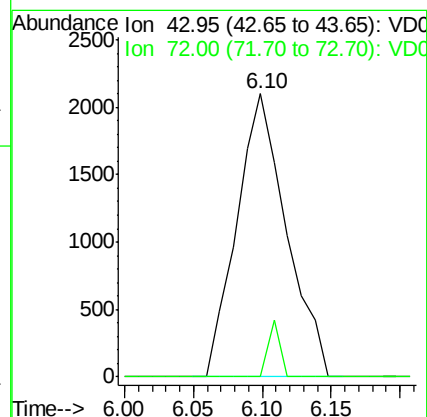
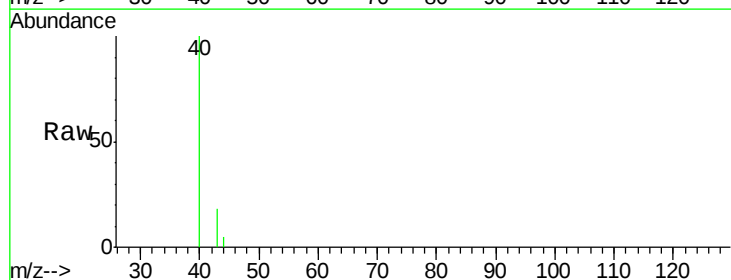
Instrument :
MSVOA_D
ClientSampleId :
SB-1(12-13)RE

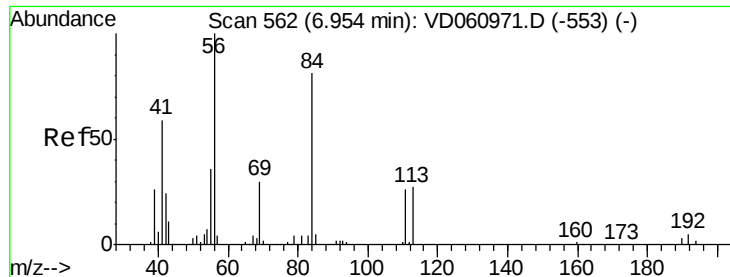
Tot Ion: 84 Resp: 35242
Ion Ratio Lower Upper
84 100
49 124.8 104.2 156.2
51 37.0 32.3 48.5
86 65.7 52.3 78.5



#25
2-Butanone
Concen: 4.432 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.03 min
Lab File: VD061084.D
Acq: 15 Mar 2019 13:54

Tgt Ion: 43 Resp: 5254
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#

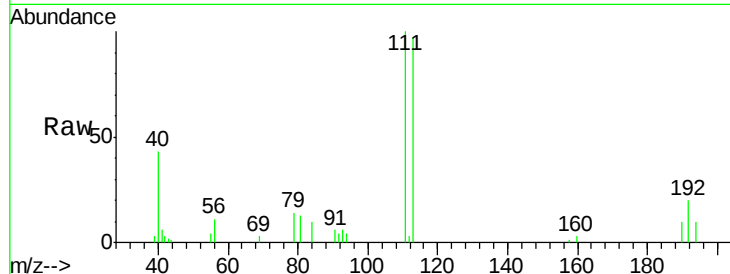




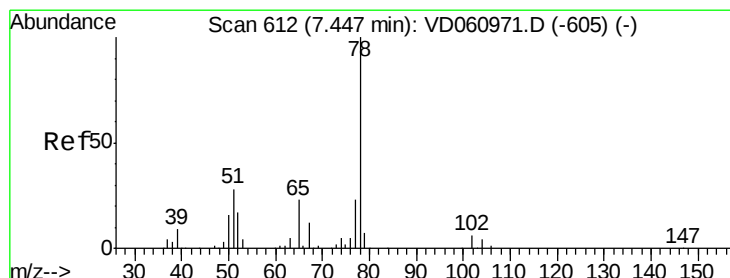
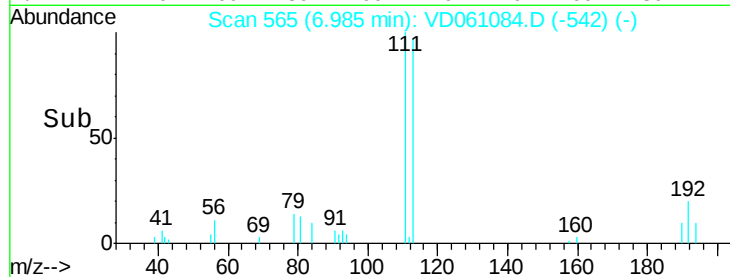
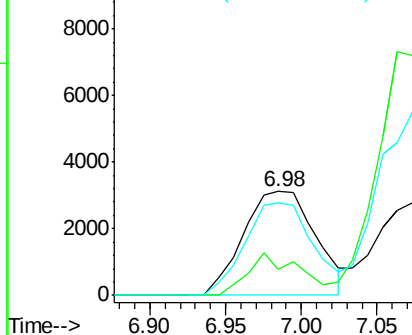
#31
Cvclohexane
Concen: 1.603 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD061084.D
Acq: 15 Mar 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
SB-1(12-13)RE

Tot Ion: 56 Resp: 10363
Ion Ratio Lower Upper
56 100
69 25.5 24.0 36.0
84 89.0 65.8 98.6

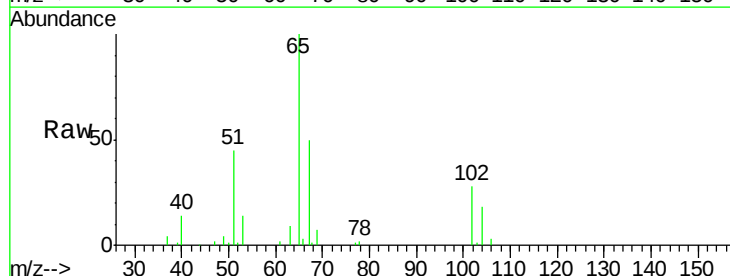


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

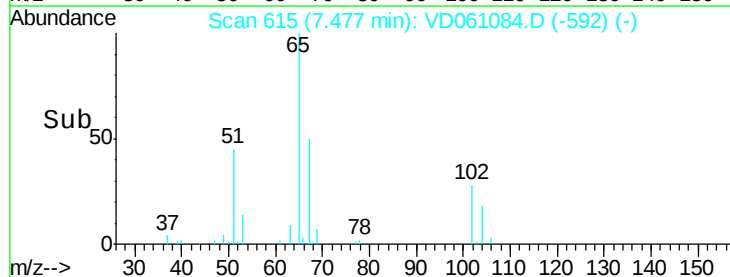
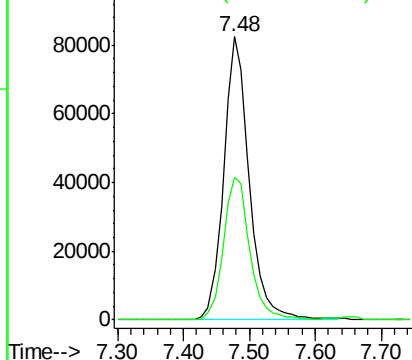


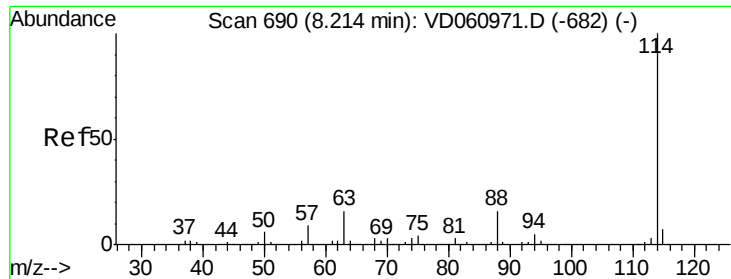
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061084.D
Acq: 15 Mar 2019 13:54

Tgt Ion: 65 Resp: 222920
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.2



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

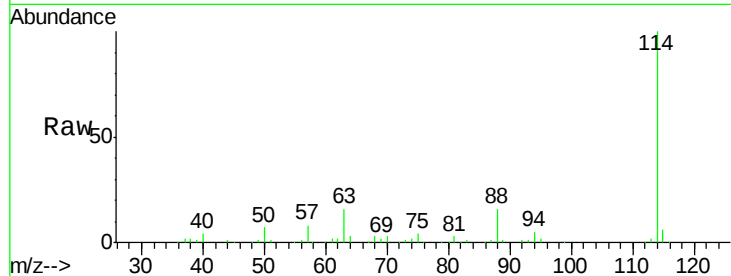




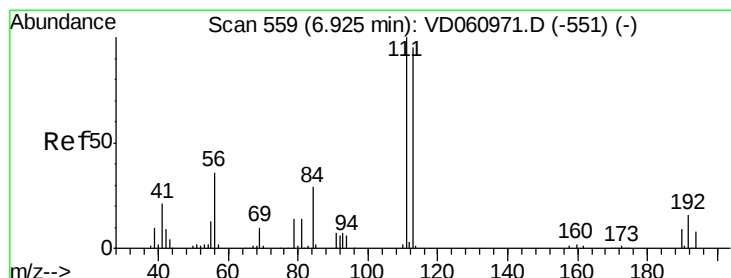
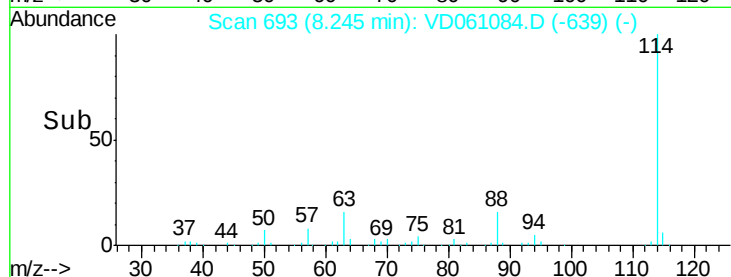
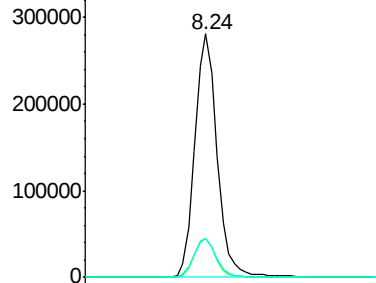
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061084.D
 Acq: 15 Mar 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(12-13)RE

Tot Ion:114 Resp: 745826
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 15.8 0.0 33.0

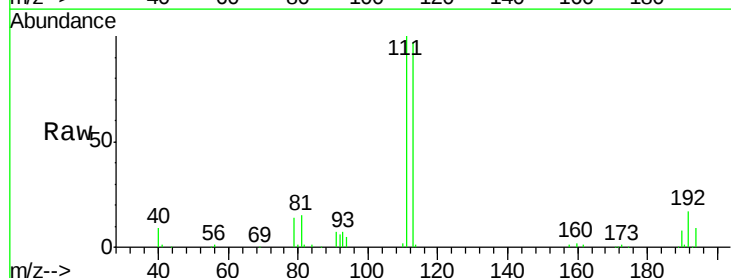


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

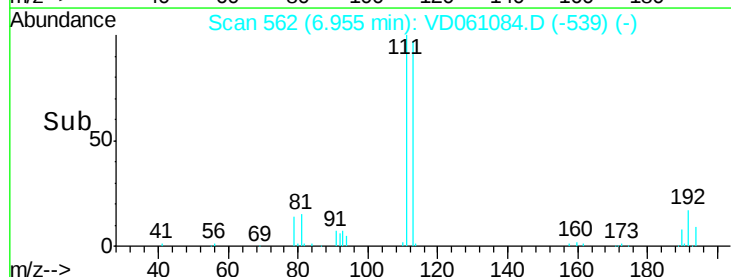
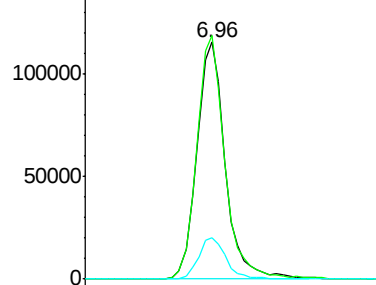


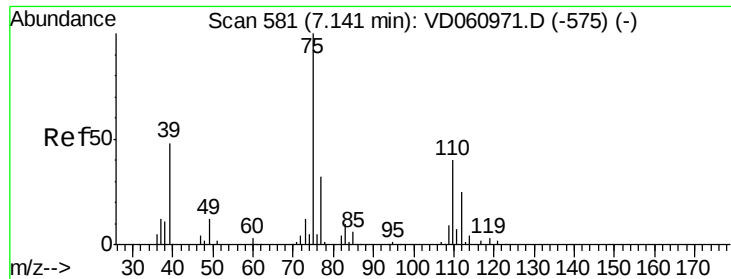
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061084.D
 Acq: 15 Mar 2019 13:54

Tgt Ion:113 Resp: 348170
 Ion Ratio Lower Upper
 113 100
 111 102.8 84.2 126.4
 192 17.4 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

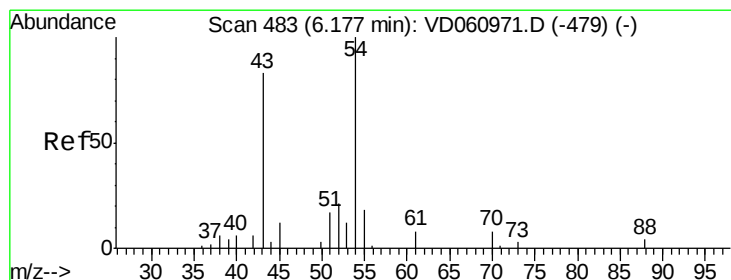
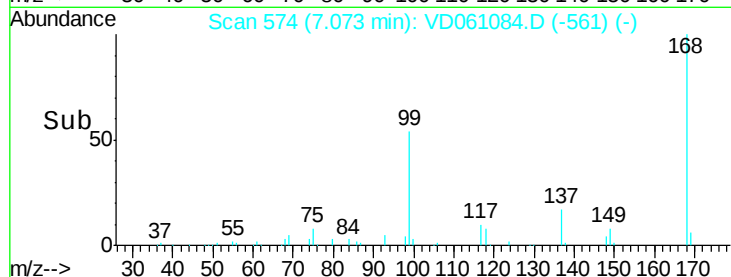
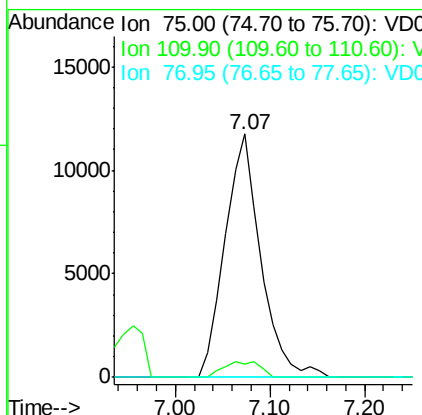
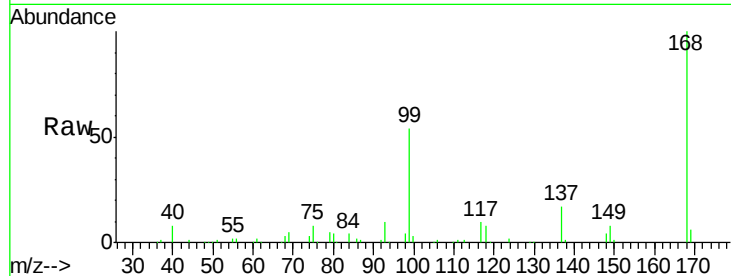




#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD061084.D
 Acq: 15 Mar 2019 13:54

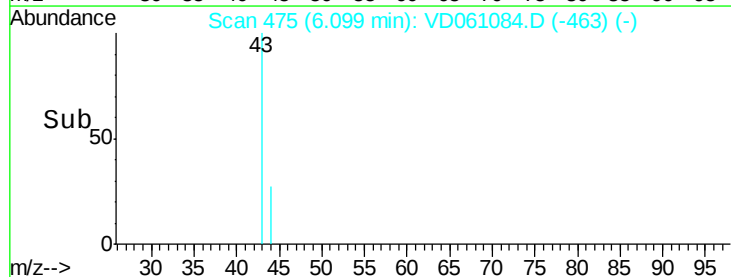
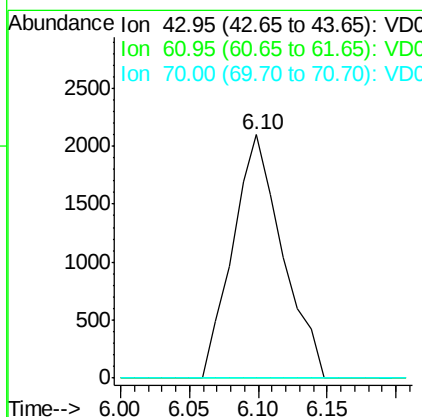
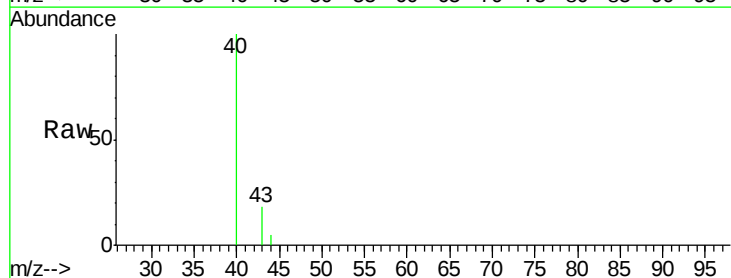
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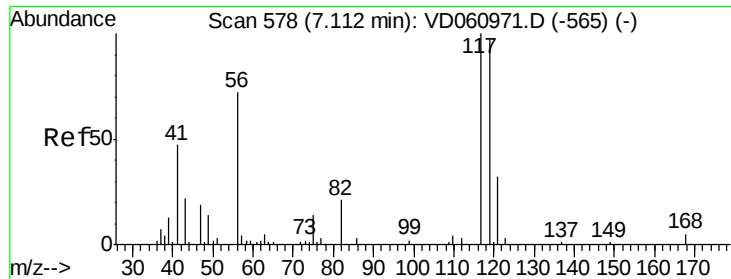
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.3	19.7	59.1#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 1.742 ug/l
 RT: 6.10 min Scan# 475
 Delta R.T. -0.08 min
 Lab File: VD061084.D
 Acq: 15 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.7	20.5#
70	0.0	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

SB-1(12-13)RE

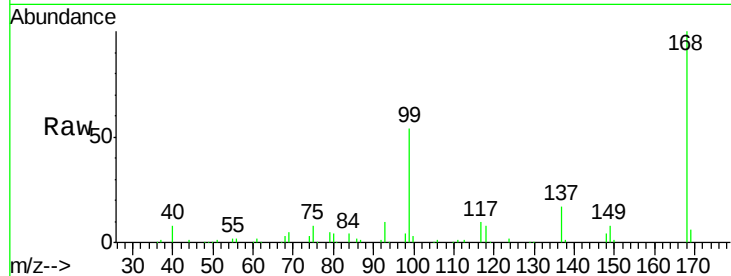
Tot Ion:117 Resp: 41756

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.8#

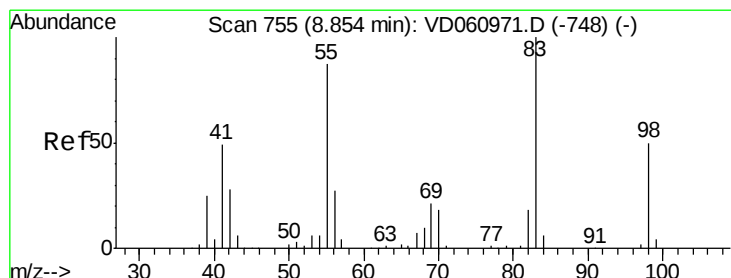
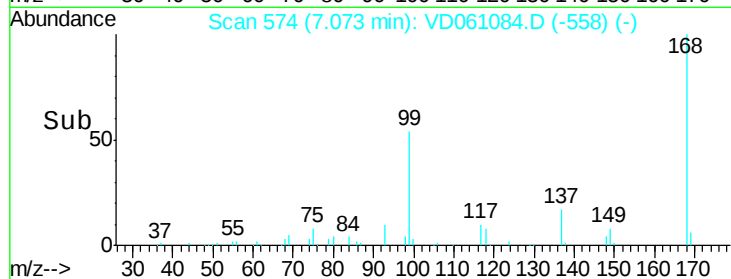
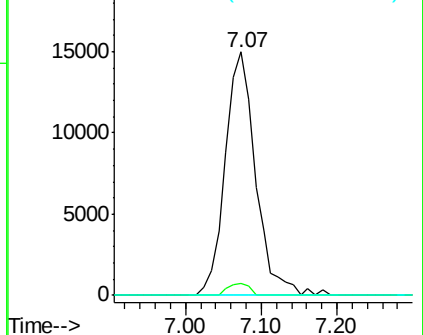
121 0.0 25.3 37.9#



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



#39

Methylcyclohexane

Concen: 1.479 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

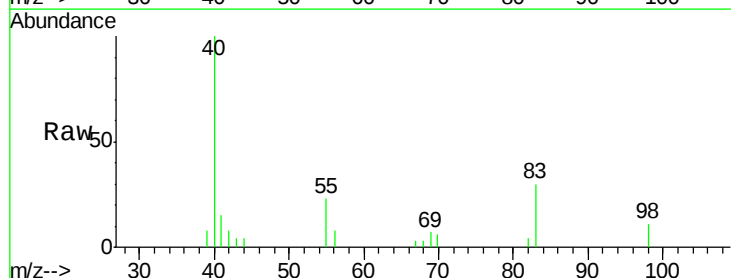
Tgt Ion: 83 Resp: 9858

Ion Ratio Lower Upper

83 100

55 75.2 69.6 104.4

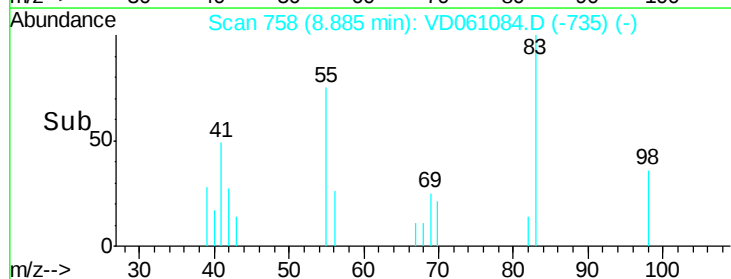
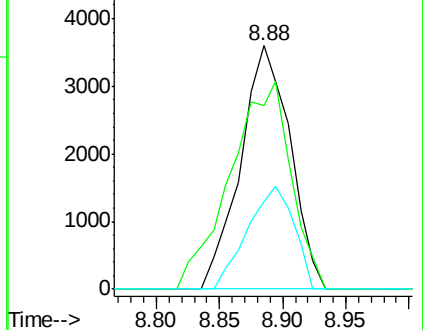
98 36.0 40.0 60.0#

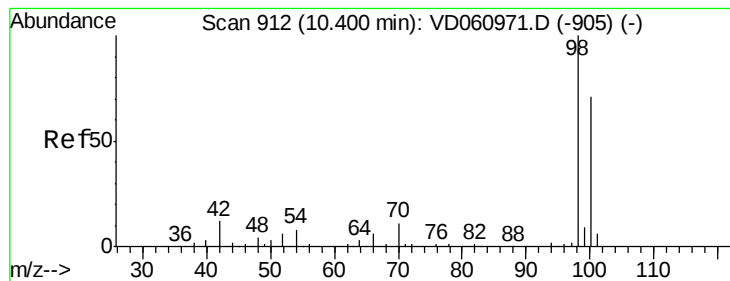


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

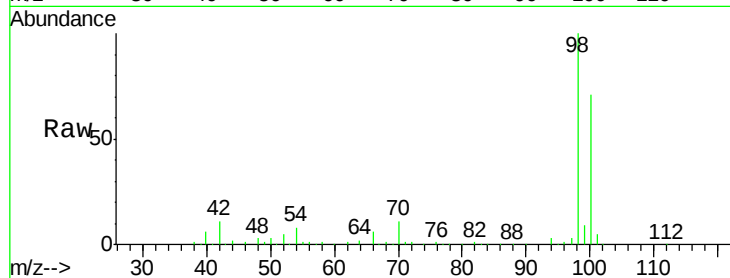
SB-1(12-13)RE

Tot Ion: 98 Resp: 749644

Ion Ratio Lower Upper

98 100

100 70.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.43

300000

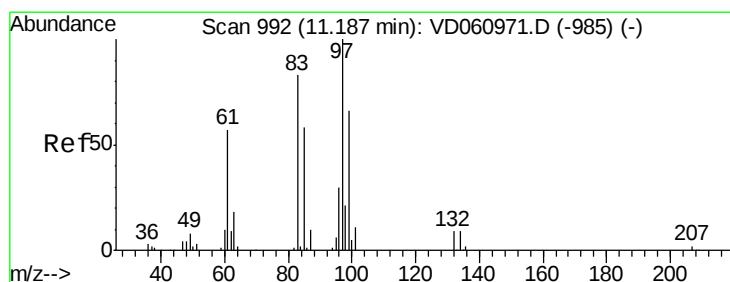
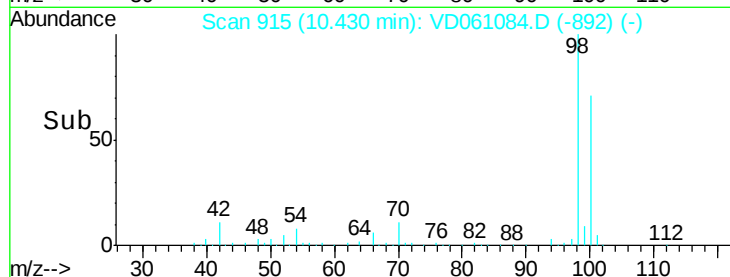
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#55

1,1,2-Trichloroethane

Concen: 2.903 ug/l

RT: 11.12 min Scan# 985

Delta R.T. -0.07 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Tgt Ion: 97 Resp: 9658

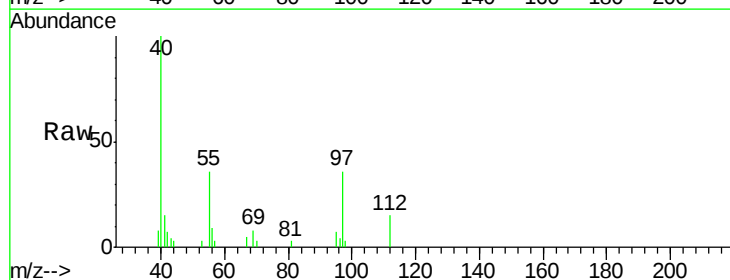
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 0.0 46.4 69.6#

99 0.0 52.4 78.6#



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

6000

5000

4000

3000

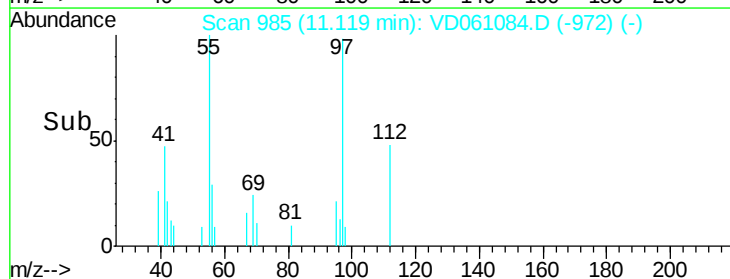
2000

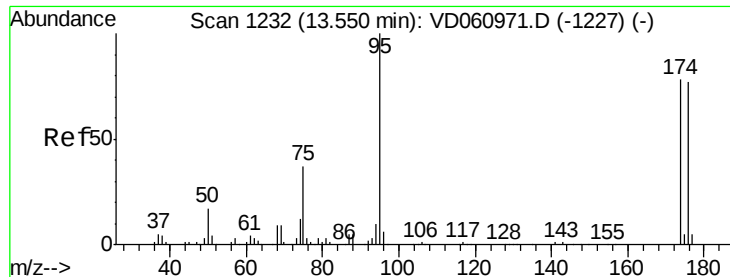
1000

0

Time-->

11.05 11.10 11.15 11.20





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

SB-1(12-13)RE

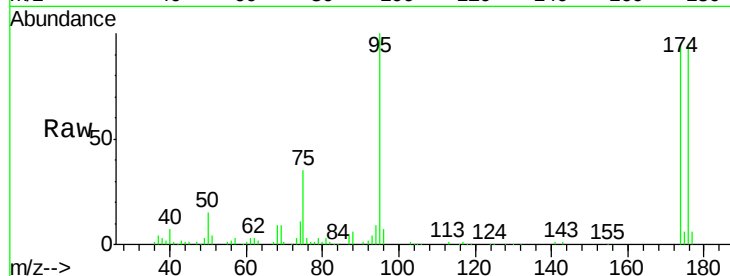
Tot Ion: 95 Resp: 224692

Ion Ratio Lower Upper

95 100

174 94.9 0.0 155.6

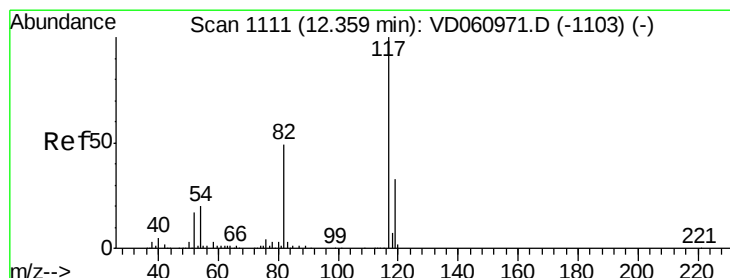
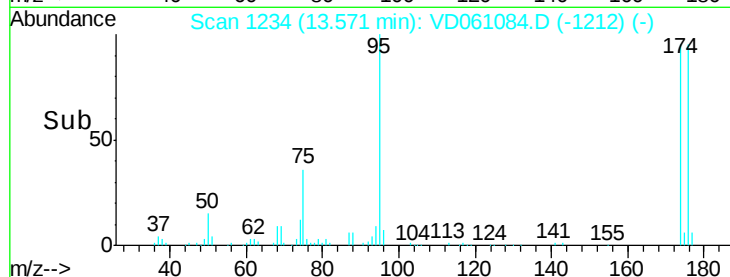
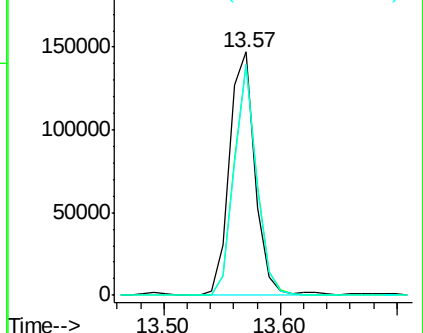
176 94.7 0.0 153.8



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

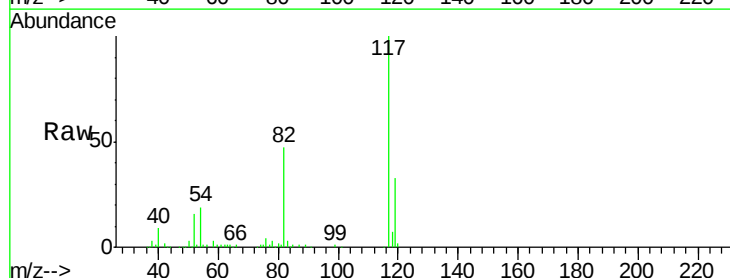
Tgt Ion: 117 Resp: 512698

Ion Ratio Lower Upper

117 100

82 47.3 38.9 58.3

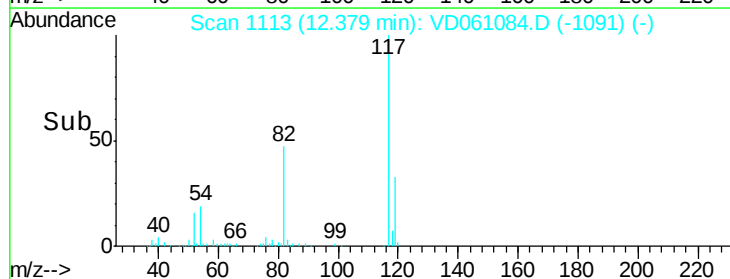
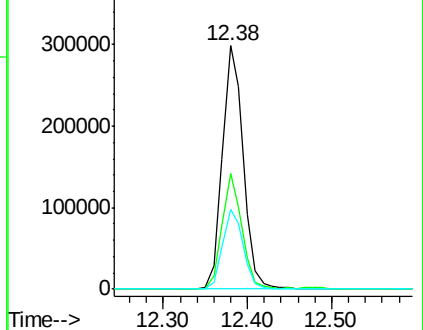
119 32.8 26.6 39.8

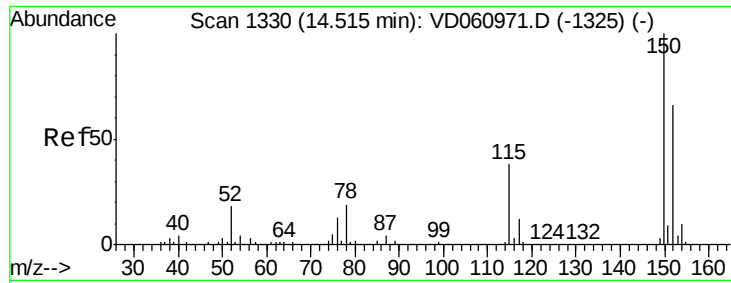


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.01 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

SB-1(12-13)RE

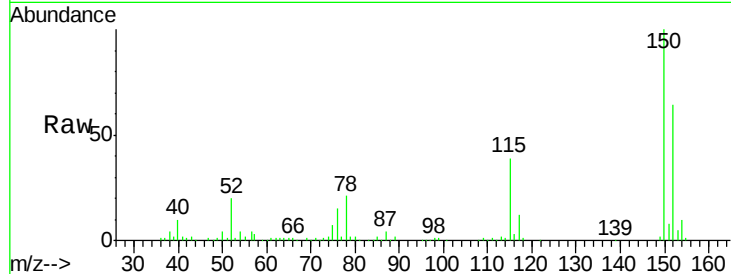
Tot Ion:152 Resp: 174212

Ion Ratio Lower Upper

152 100

115 60.1 28.6 85.9

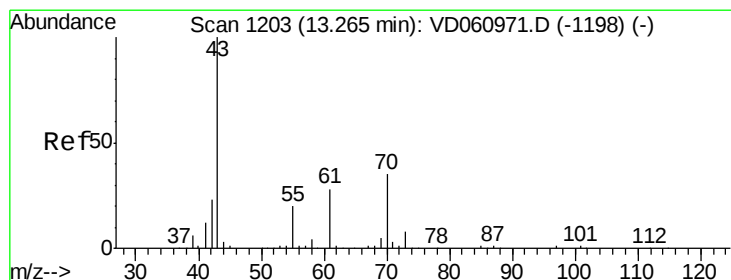
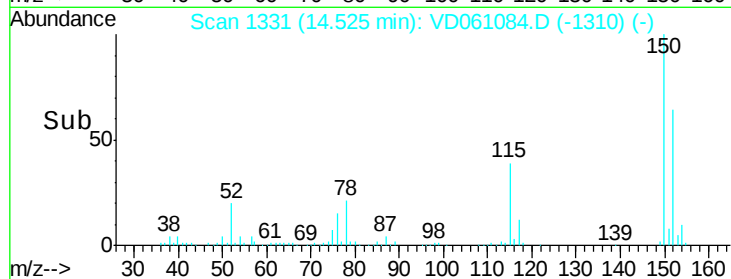
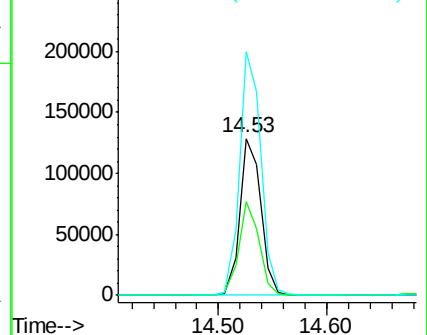
150 155.3 0.0 310.6



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



#74

N-ethyl acetate

Concen: 4.094 ug/l

RT: 13.34 min Scan# 1211

Delta R.T. 0.08 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Tgt Ion: 43 Resp: 14472

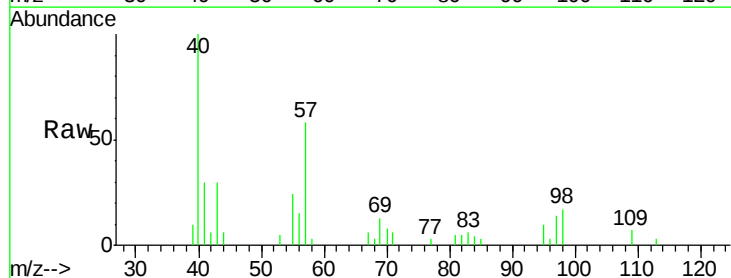
Ion Ratio Lower Upper

43 100

70 26.8 27.7 41.5#

55 81.8 16.2 24.2#

61 0.0 22.3 33.5#

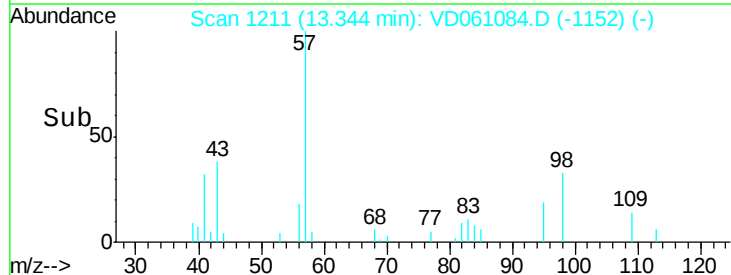
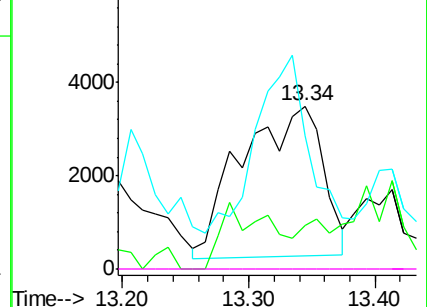


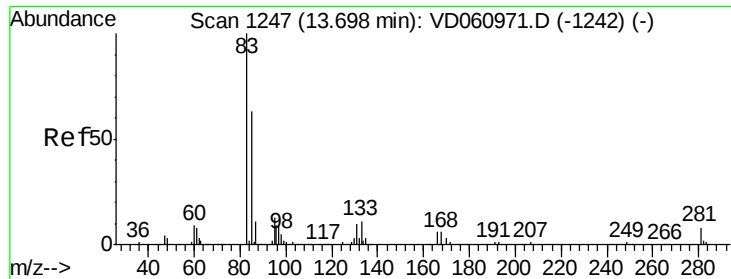
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.219 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

SB-1(12-13)RE

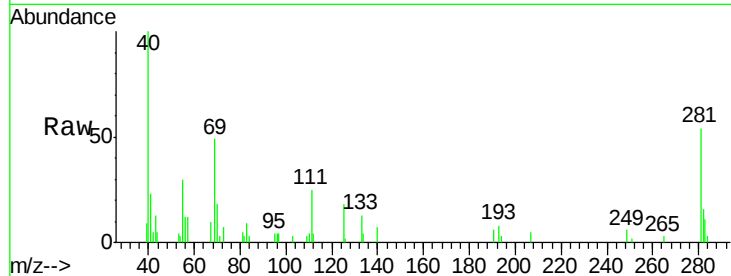
Tot Ion: 83 Resp: 2987

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

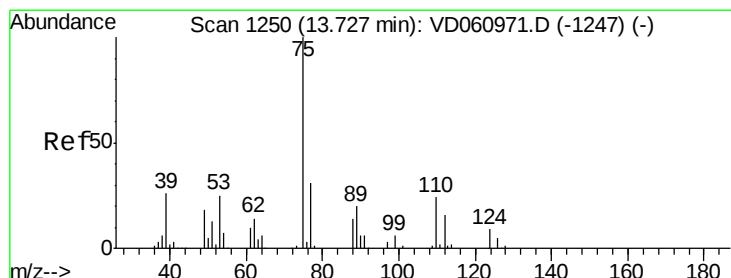
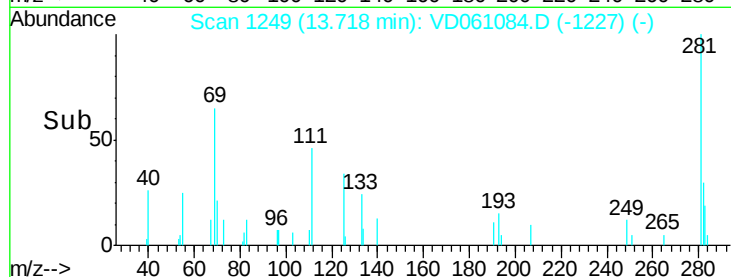
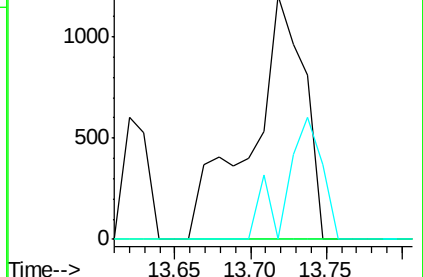
85 0.0 31.5 94.5#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 28.670 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061084.D

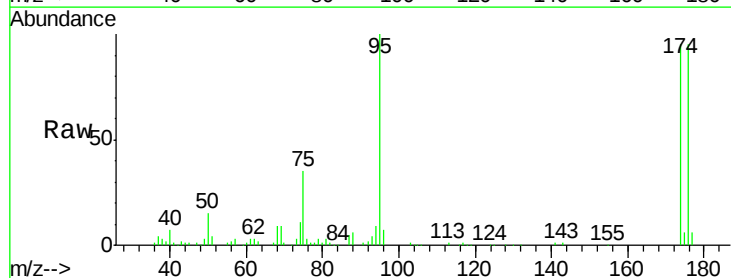
Acq: 15 Mar 2019 13:54

Tgt Ion: 75 Resp: 71856

Ion Ratio Lower Upper

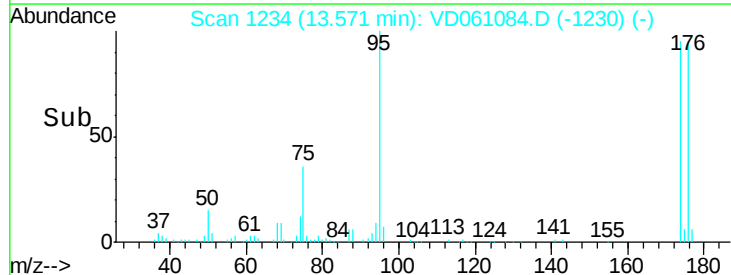
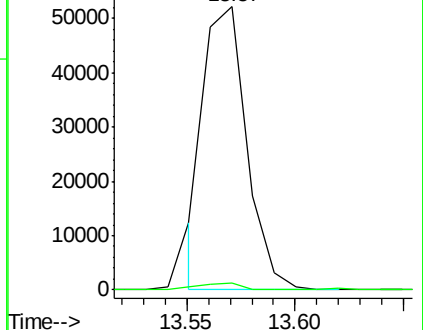
75 100

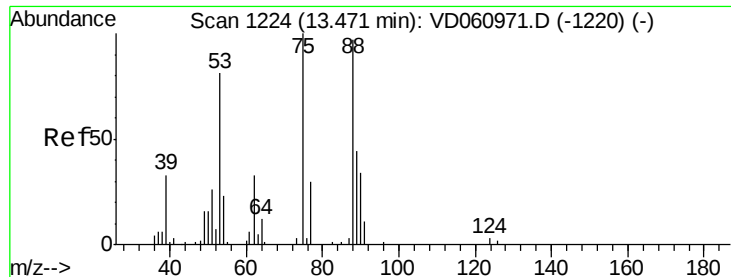
77 2.3 16.6 49.7#



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: 107.563 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

SB-1(12-13)RE

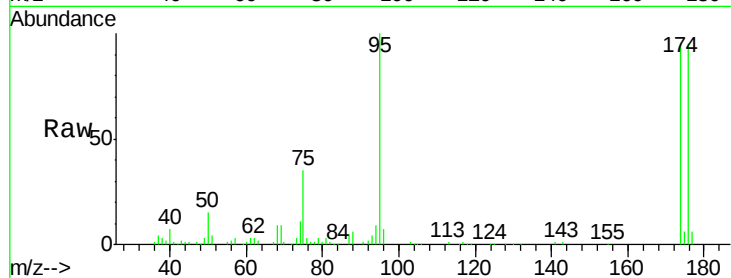
Tot Ion: 75 Resp: 79481

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

