

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
 Data File : VD060138.D
 Acq On : 5 Oct 2018 15:36
 Operator : VA/AP
 Sample : J5300-01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-STONE

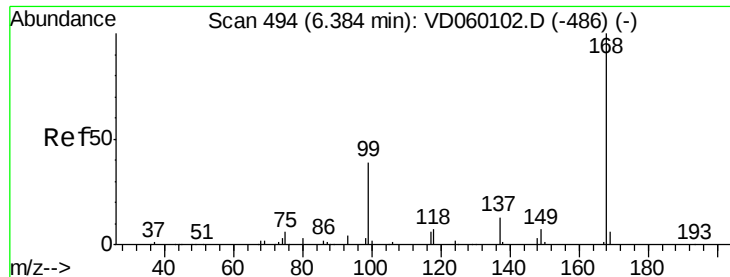
Quant Time: Oct 05 23:42:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1889114	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	2625474	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	2161117	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	1047894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	535062	37.37	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	74.74%	
35) Dibromofluoromethane	6.31	113	544747	27.32	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	54.64%	
50) Toluene-d8	9.45	98	1848362	32.51	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	65.02%	
62) 4-Bromofluorobenzene	12.42	95	707698	33.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	2953	1.793	ug/l #	64
11) Tert butyl alcohol	3.96	59	1518	1.478	ug/l #	74
16) Acetone	3.15	43	25777	9.920	ug/l	97
20) Methylene Chloride	3.71	84	69993	Below Cal		91
25) 2-Butanone	5.63	43	12711	1.958	ug/l #	59
31) Cyclohexane	6.39	56	35970	1.159	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	133659	5.327	ug/l #	47
38) Carbon Tetrachloride	6.40	117	146925	6.452	ug/l #	14
76) 1,2,3-Trichloropropane	12.42	75	267029	17.695	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	280848	66.232	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060138.D

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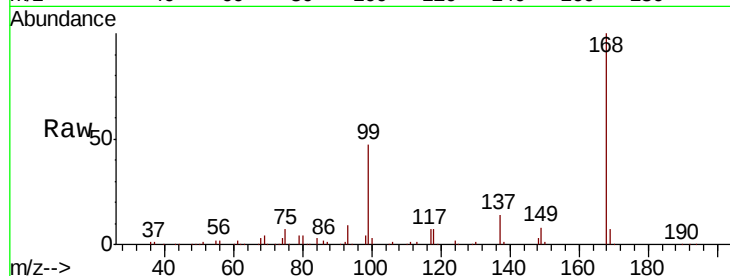
SR-STONE

Tgt Ion:168 Resp: 1889114

Ion Ratio Lower Upper

168 100

99 47.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

800000

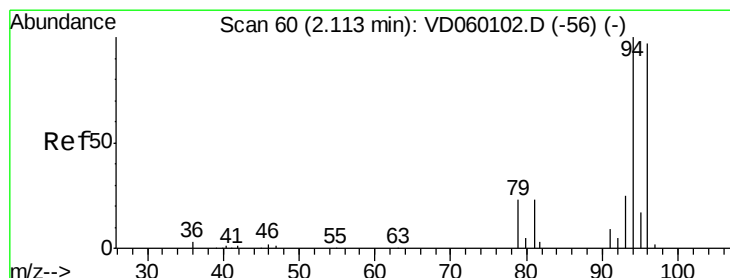
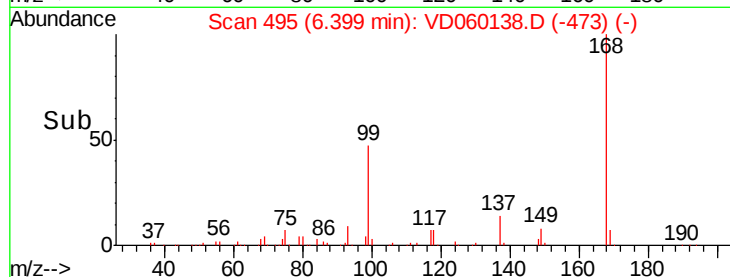
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 1.793 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.05 min

Lab File: VD060138.D

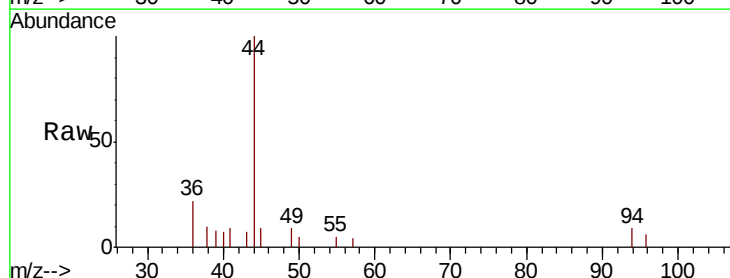
Acq: 5 Oct 2018 15:36

Tgt Ion: 94 Resp: 2953

Ion Ratio Lower Upper

94 100

96 61.6 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1000

800

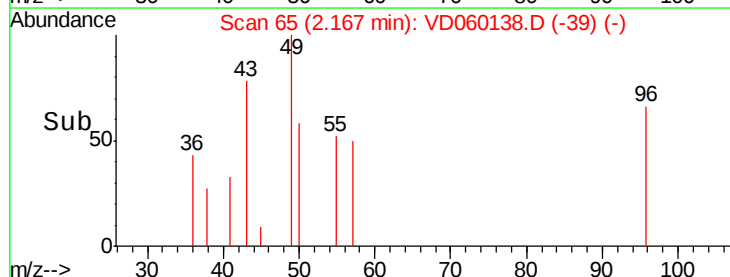
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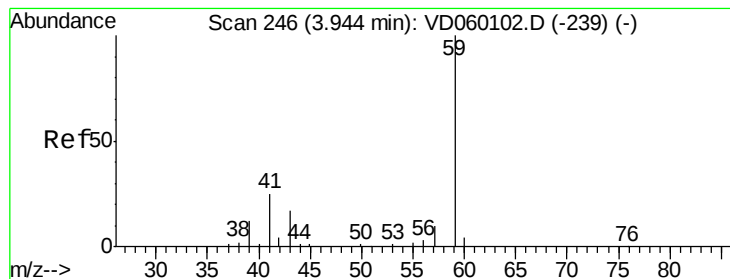
400

200

0

Time-->



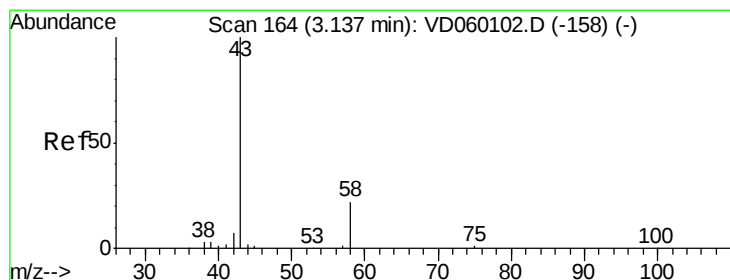
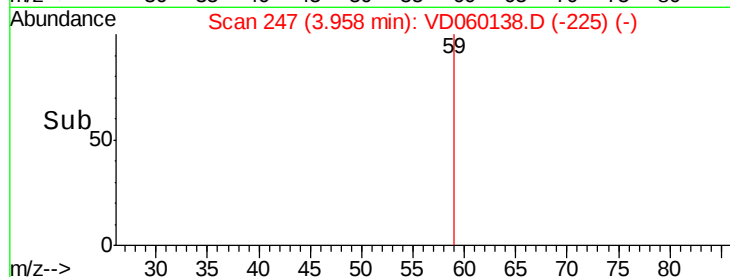
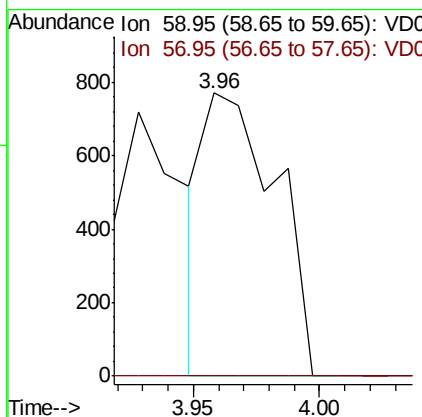
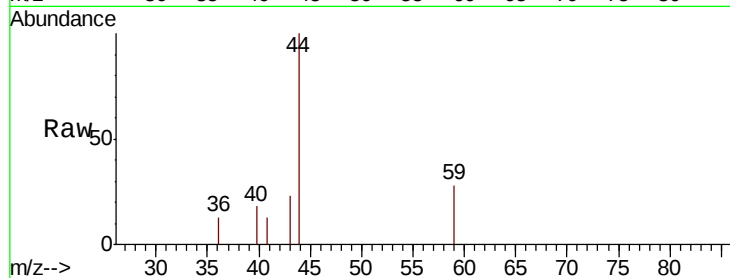


#11

Tert butyl alcohol
 Concen: 1.478 ug/l
 RT: 3.96 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060138.D
 Acq: 5 Oct 2018 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-STONE

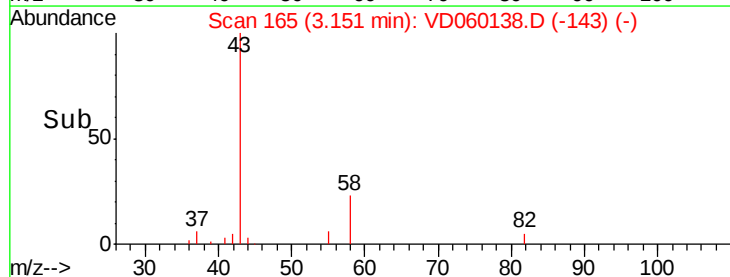
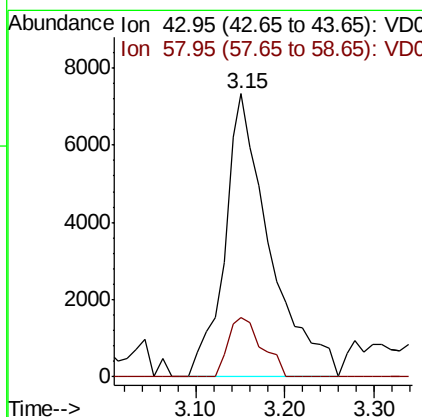
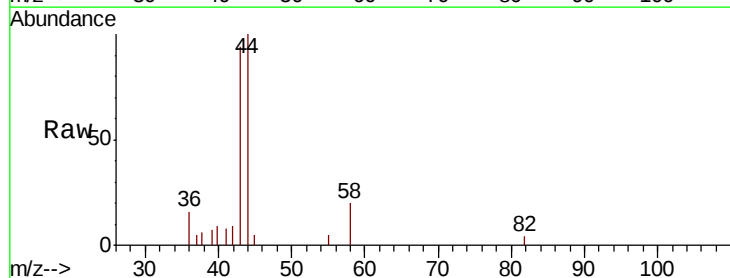
Tgt Ion: 59 Resp: 1518
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

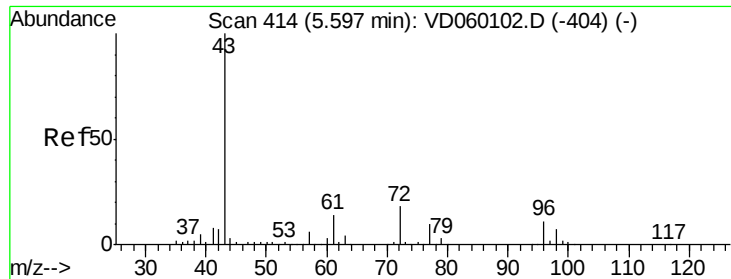


#16

Acetone
 Concen: 9.920 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. 0.01 min
 Lab File: VD060138.D
 Acq: 5 Oct 2018 15:36

Tgt Ion: 43 Resp: 25777
 Ion Ratio Lower Upper
 43 100
 58 20.8 17.7 26.5





#25

2-Butanone

Concen: 1.958 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

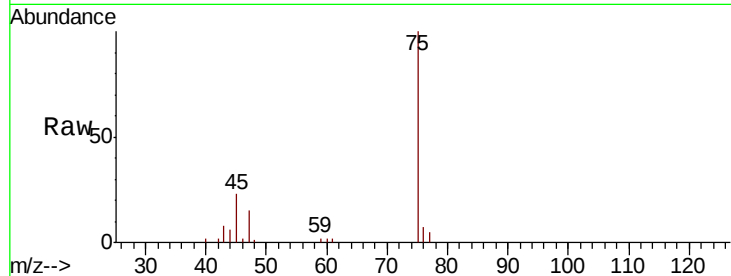
SR-STONE

Tgt Ion: 43 Resp: 12711

Ion Ratio Lower Upper

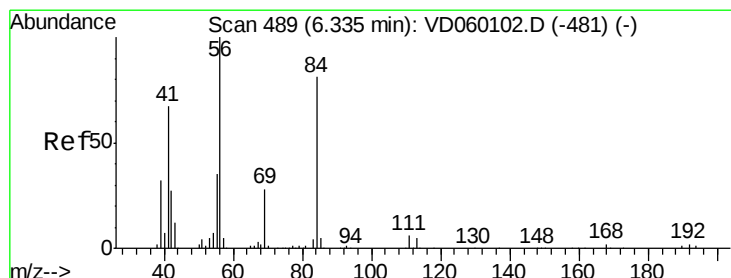
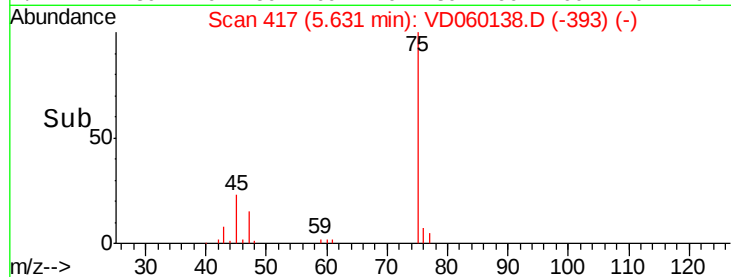
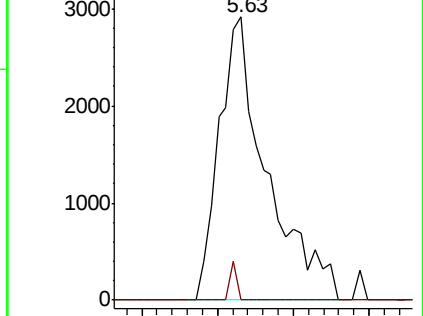
43 100

72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.05 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

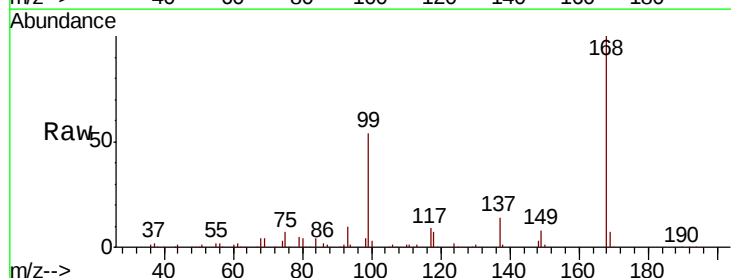
Tgt Ion: 56 Resp: 35970

Ion Ratio Lower Upper

56 100

69 190.9 22.8 34.2#

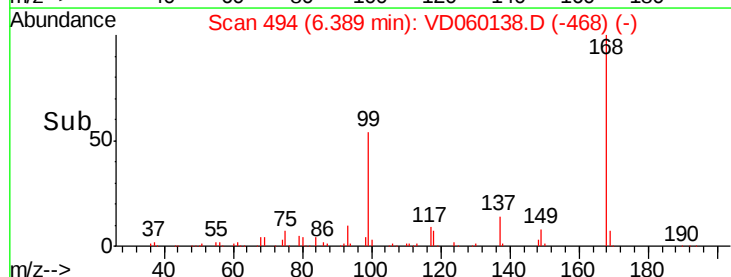
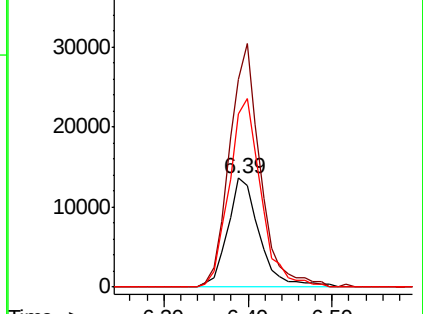
84 159.1 64.9 97.3#

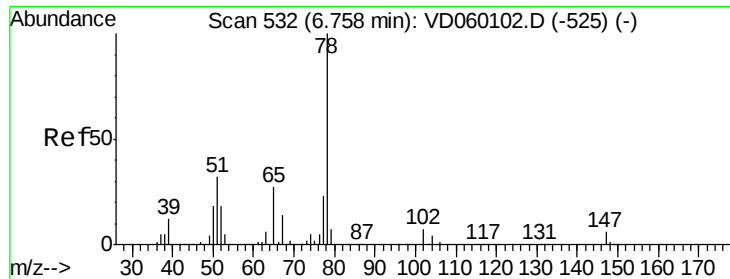


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

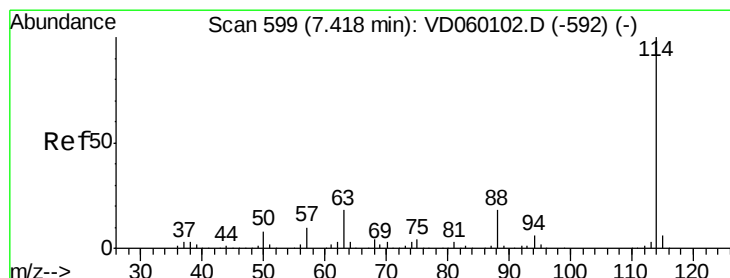
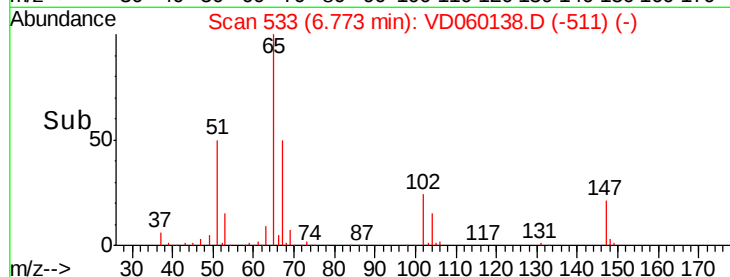
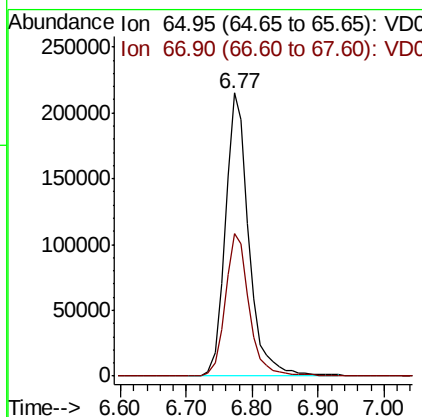
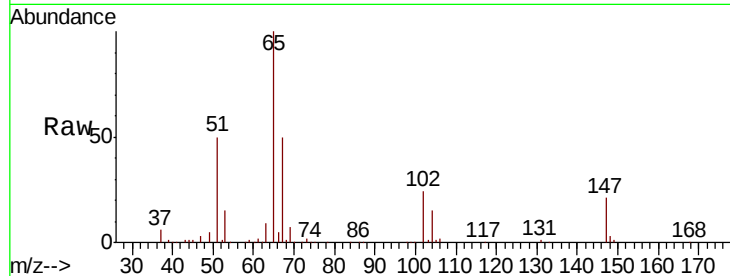




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060138.D
 Acq: 5 Oct 2018 15:36

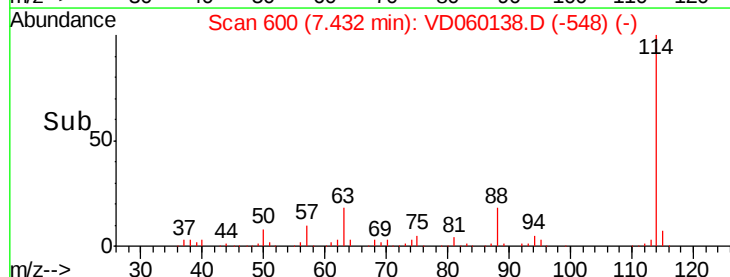
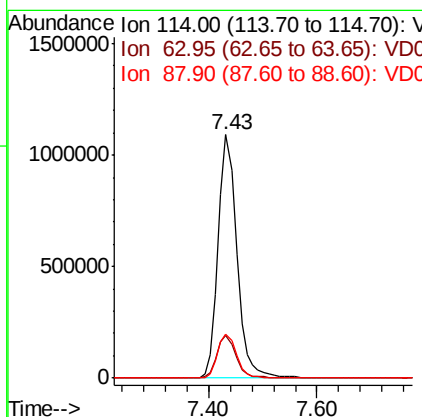
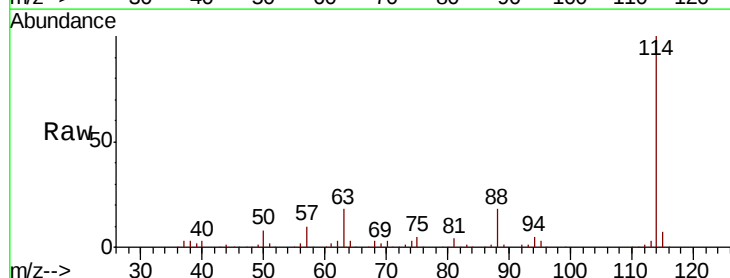
Instrument :
 MSVOA_D
 ClientSampleId :
 SR-STONE

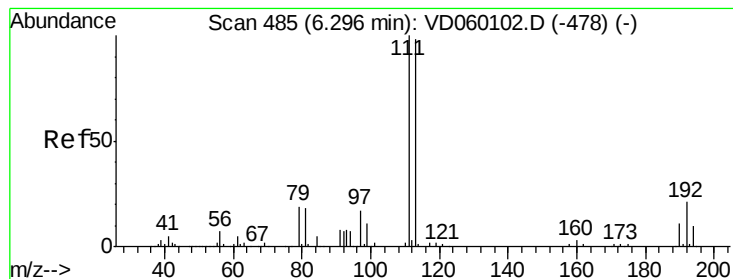
Tgt Ion: 65 Resp: 535062
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060138.D
 Acq: 5 Oct 2018 15:36

Tgt Ion: 114 Resp: 2625474
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.0
 88 18.0 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

SR-STONE

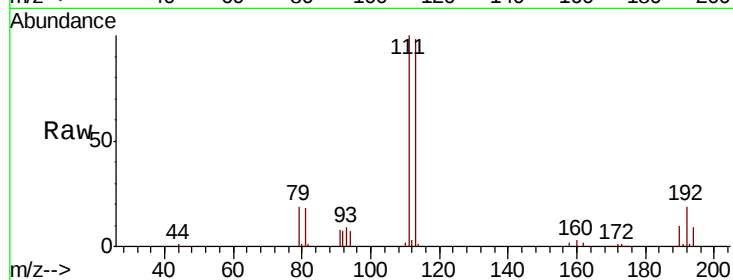
Tgt Ion:113 Resp: 544747

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

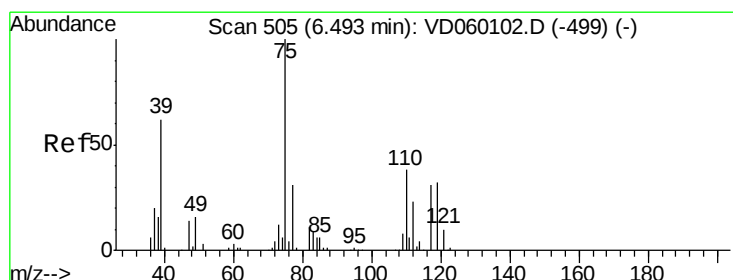
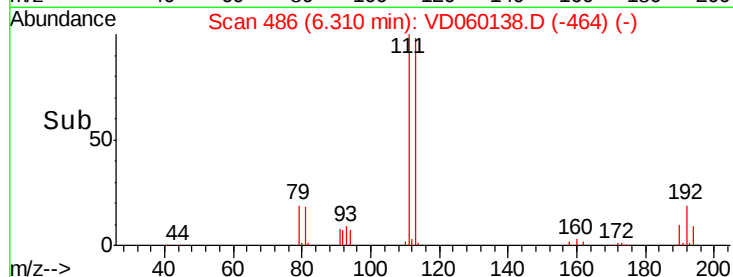
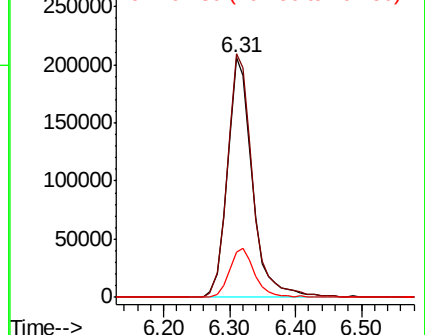
192 19.2 17.4 26.0



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: 5.327 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.09 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

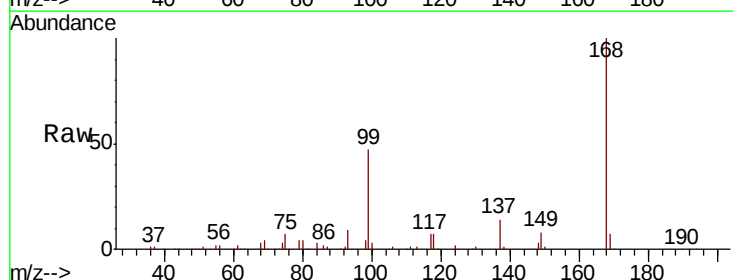
Tgt Ion: 75 Resp: 133659

Ion Ratio Lower Upper

75 100

110 7.3 19.0 57.0#

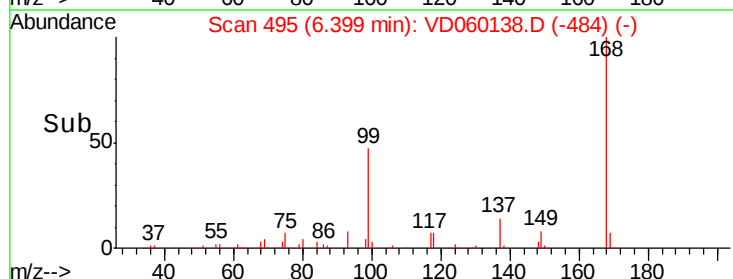
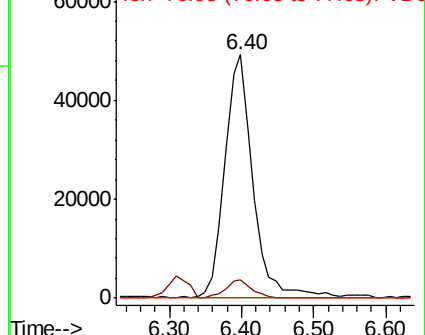
77 0.0 24.9 37.3#

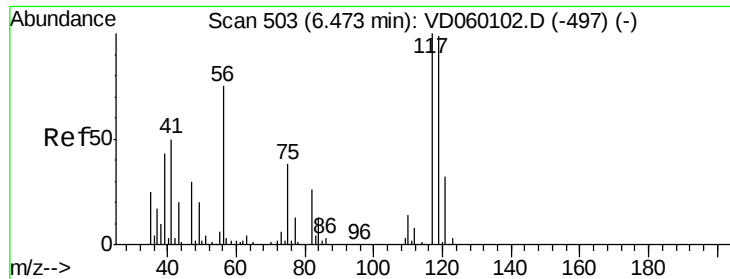


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

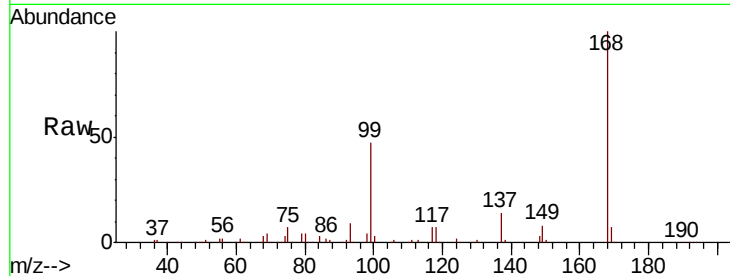




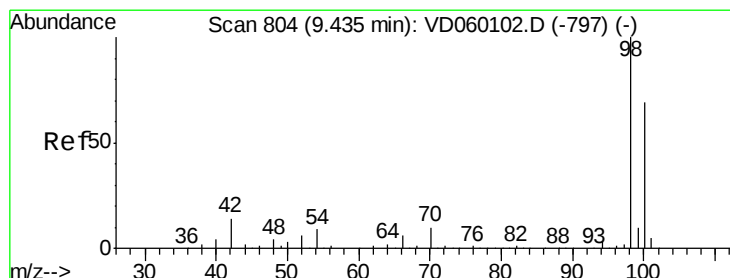
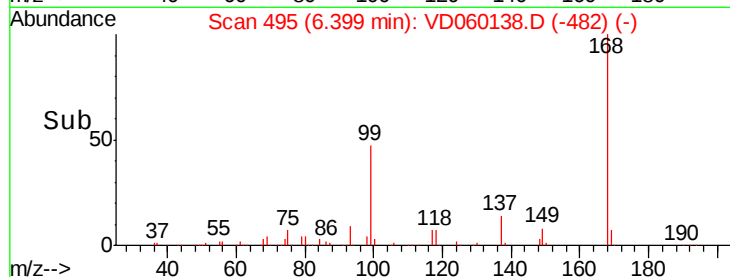
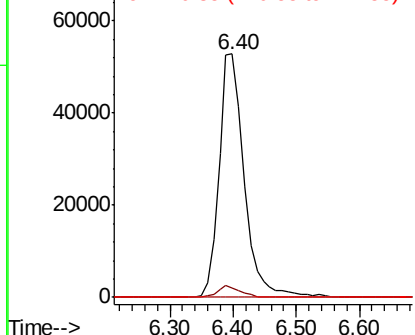
#38
Carbon Tetrachloride
Concen: 6.452 ug/l
RT: 6.40 min Scan# 495
Delta R.T. -0.07 min
Lab File: VD060138.D
Acq: 5 Oct 2018 15:36

Instrument :
MSVOA_D
ClientSampleId :
SR-STONE

Tgt Ion:117 Resp: 146925
Ion Ratio Lower Upper
117 100
119 3.6 77.8 116.6#
121 0.0 24.8 37.2#

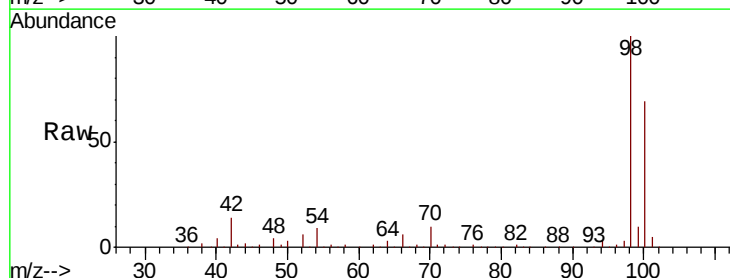


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

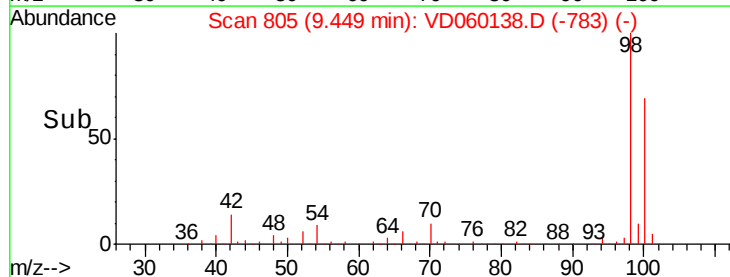
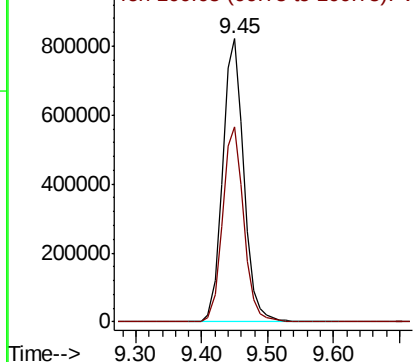


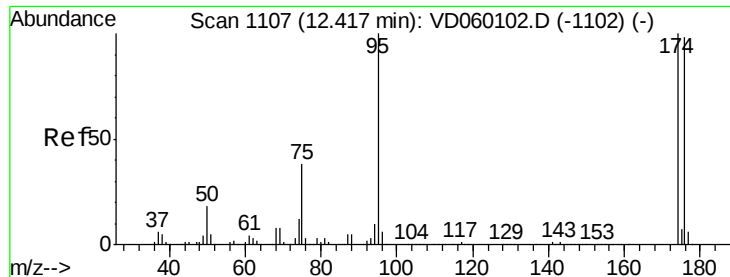
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060138.D
Acq: 5 Oct 2018 15:36

Tgt Ion: 98 Resp: 1848362
Ion Ratio Lower Upper
98 100
100 69.0 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

SR-STONE

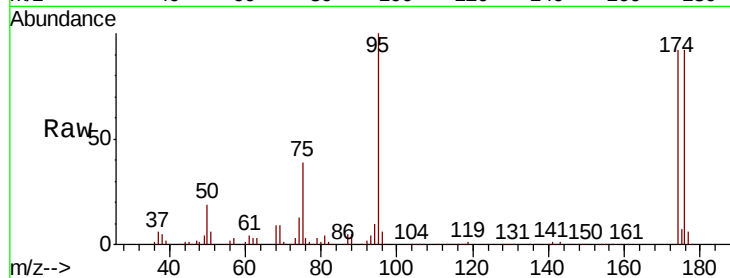
Tgt Ion: 95 Resp: 707698

Ion Ratio Lower Upper

95 100

174 92.4 0.0 200.2

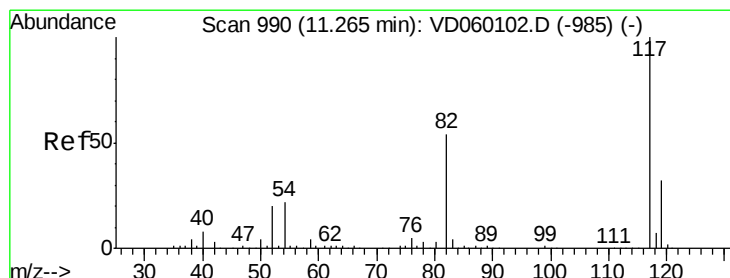
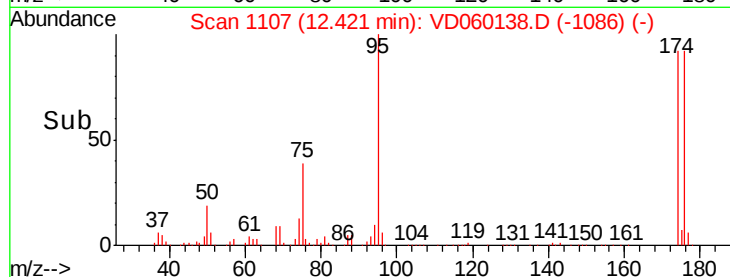
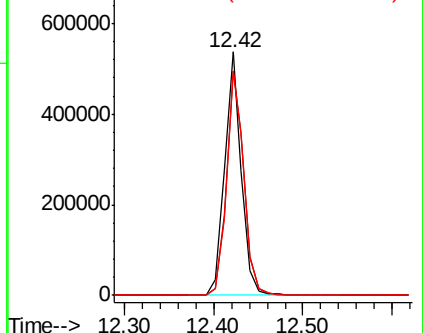
176 92.1 0.0 195.6



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: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

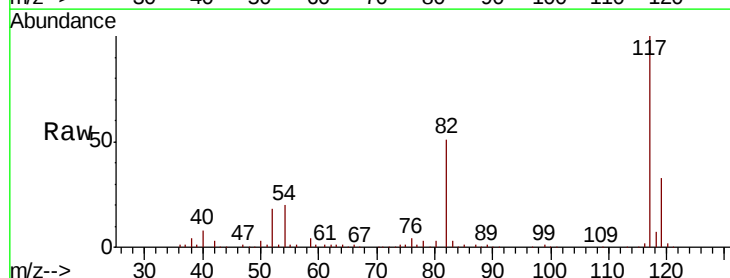
Tgt Ion: 117 Resp: 2161117

Ion Ratio Lower Upper

117 100

82 51.1 43.4 65.2

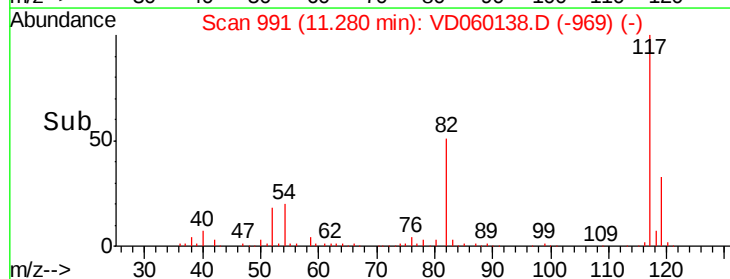
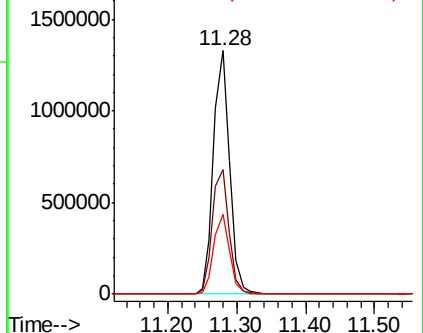
119 32.8 26.0 39.0

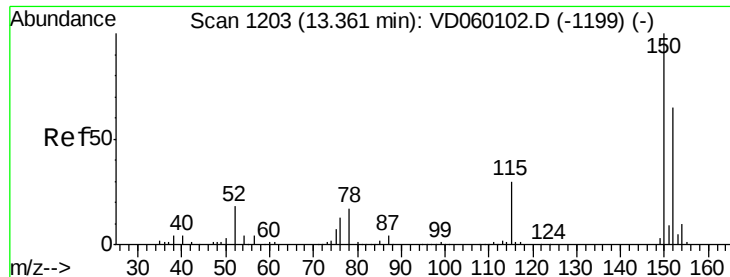


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

SR-STONE

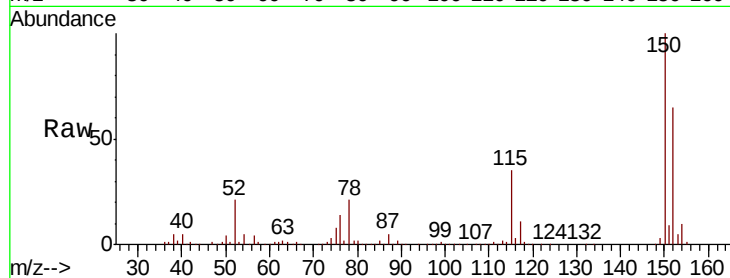
Tgt Ion:152 Resp: 1047894

Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.2

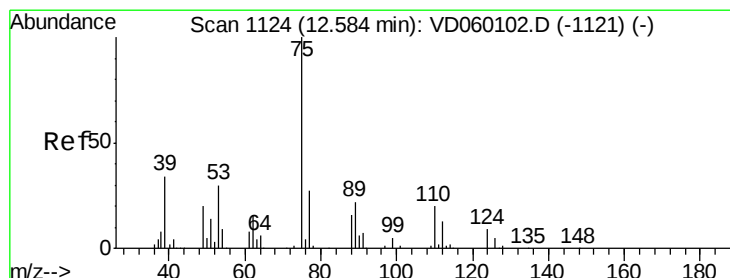
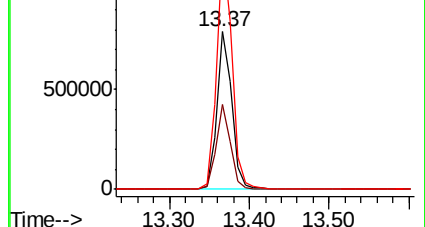
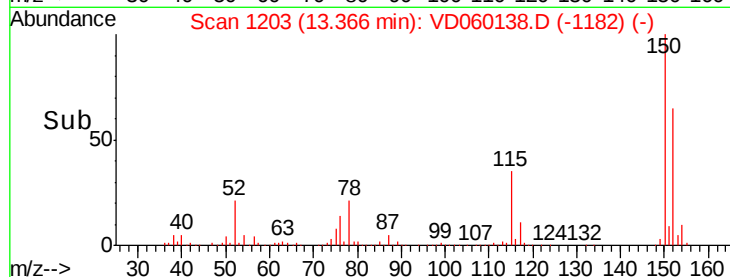
150 154.7 0.0 311.8



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: 17.695 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.16 min

Lab File: VD060138.D

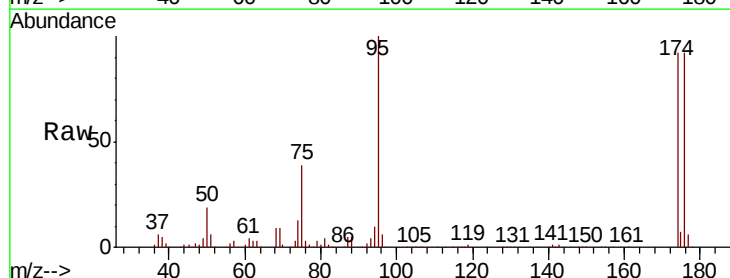
Acq: 5 Oct 2018 15:36

Tgt Ion: 75 Resp: 267029

Ion Ratio Lower Upper

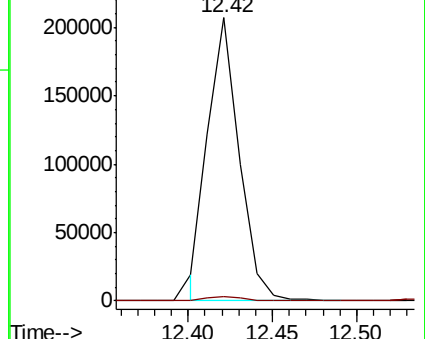
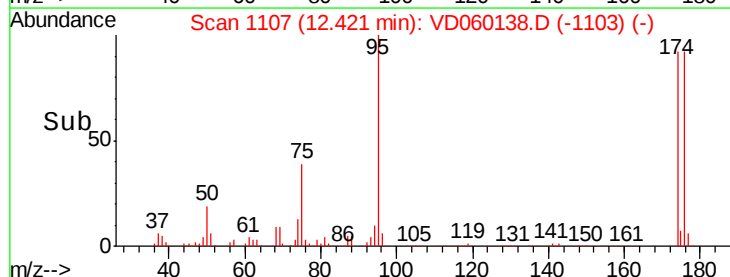
75 100

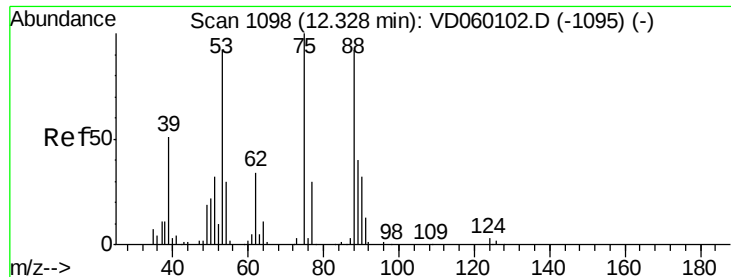
77 1.4 16.3 48.9#



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: 66.232 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060138.D

Acq: 5 Oct 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

SR-STONE

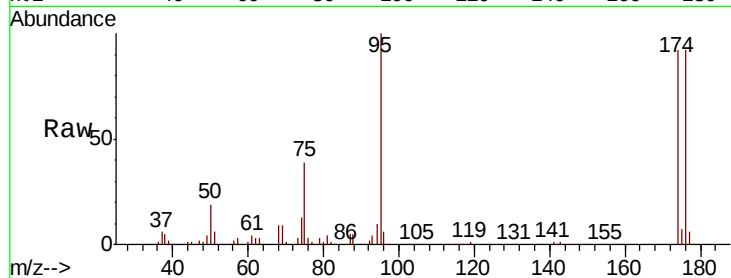
Tgt Ion: 75 Resp: 280848

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

