

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058328.D
 Acq On : 23 Jun 2018 8:02
 Operator : VA/AP
 Sample : J3595-01
 Misc : 8.69g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-01-ABC

Quant Time: Jun 25 00:55:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	509955	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	717952	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	579553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	260492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	339200	65.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	131.70%	
35) Dibromofluoromethane	5.57	113	327182	55.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.98%	
50) Toluene-d8	8.72	98	685945	48.52	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.93	95	283170	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	

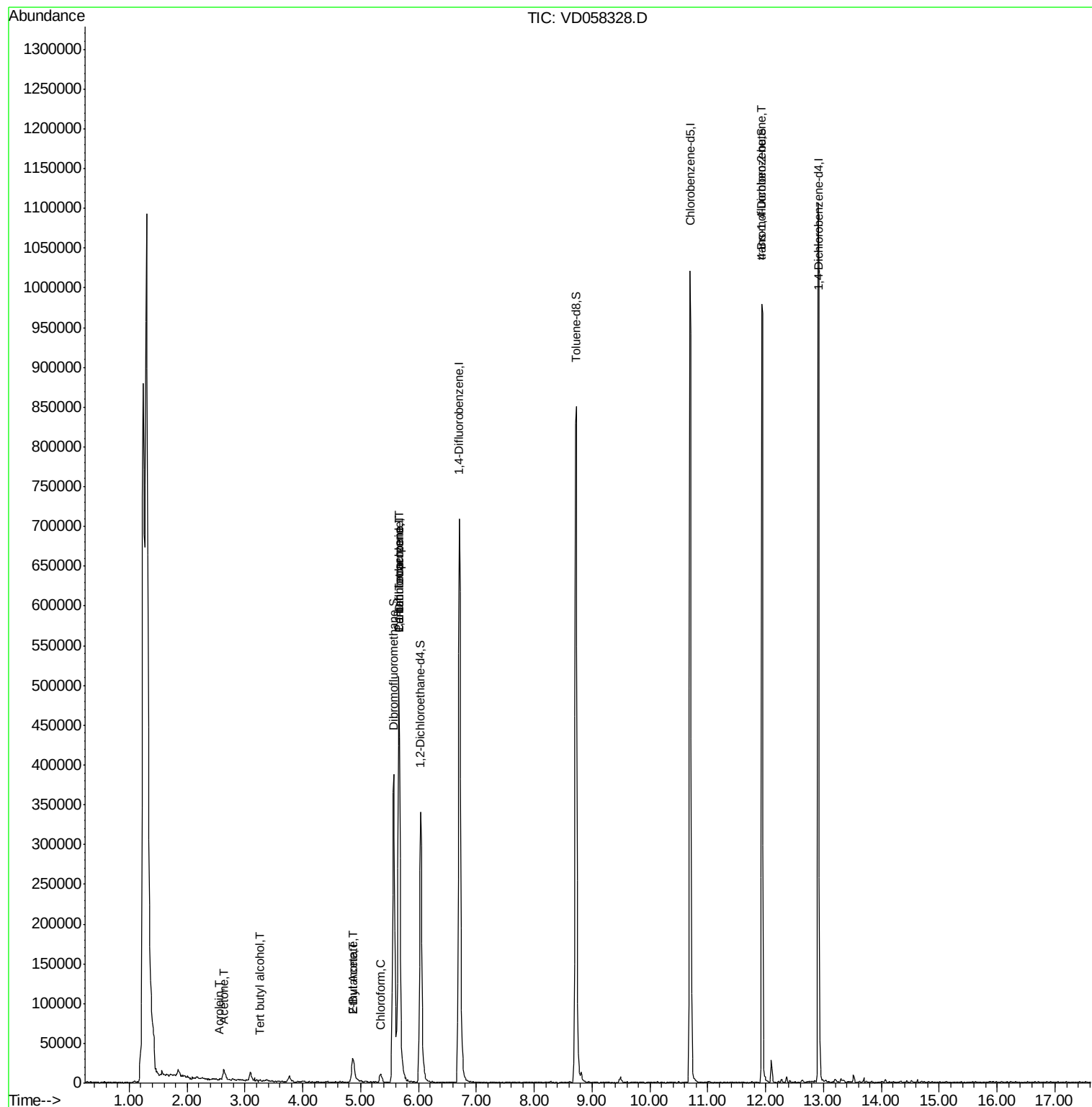
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.57	50	185	Below Cal	#	43
11) Tert butyl alcohol	3.25	59	621	3.655	ug/l #	78
13) Acrolein	2.56	56	250	2.578	ug/l #	74
16) Acetone	2.63	43	29857	42.385	ug/l #	84
20) Methylene Chloride	3.08	84	4725	Below Cal		86
25) 2-Butanone	4.86	43	4839	3.152	ug/l #	60
30) Chloroform	5.35	83	11165	1.212	ug/l #	82
31) Cyclohexane	5.66	56	11859	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	43931	6.185	ug/l #	49
37) Ethyl Acetate	4.86	43	4839	1.196	ug/l #	72
38) Carbon Tetrachloride	5.66	117	41128	5.828	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.93	75	146240	157.656	ug/l #	1

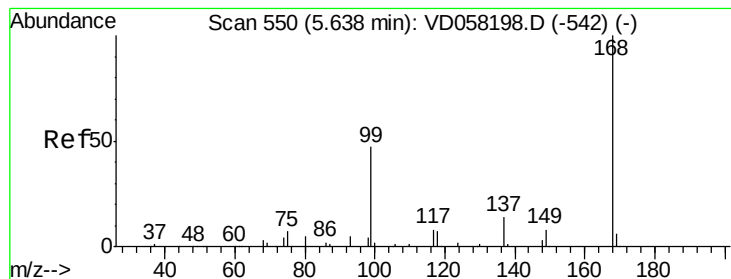
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

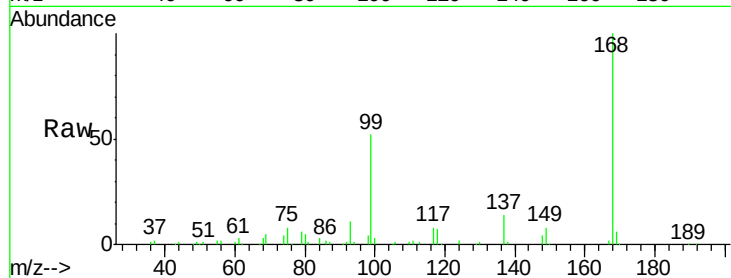
SC-01-ABC

Tot Ion:168 Resp: 509955

Ion Ratio Lower Upper

168 100

99 51.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

200000

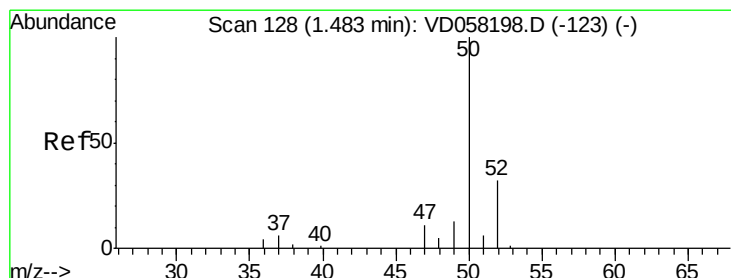
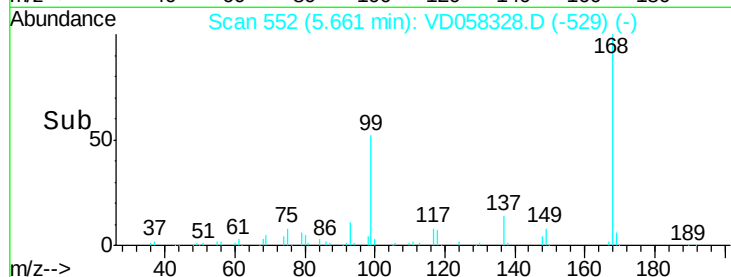
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.57 min Scan# 136

Delta R.T. 0.08 min

Lab File: VD058328.D

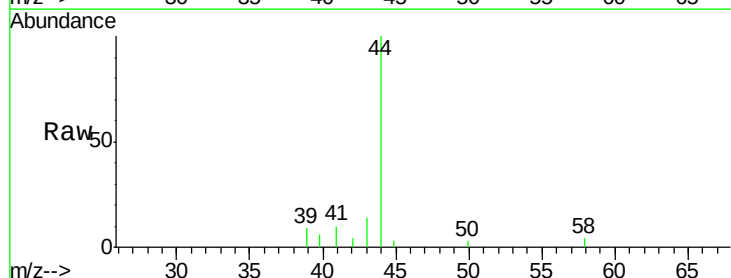
Acq: 23 Jun 2018 8:02

Tgt Ion: 50 Resp: 185

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.57

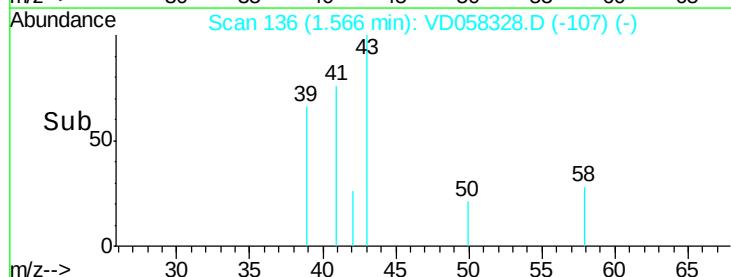
300

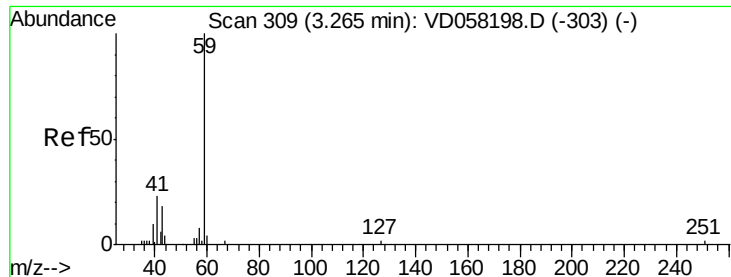
200

100

0

Time--> 1.54 1.56 1.58



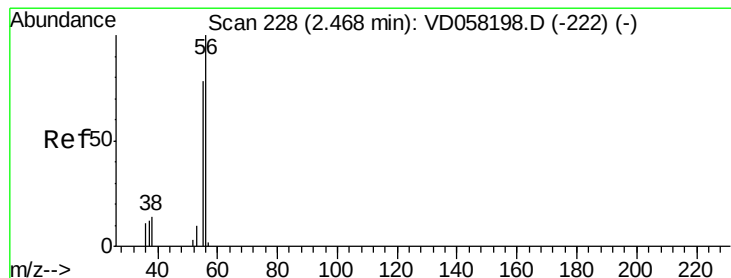
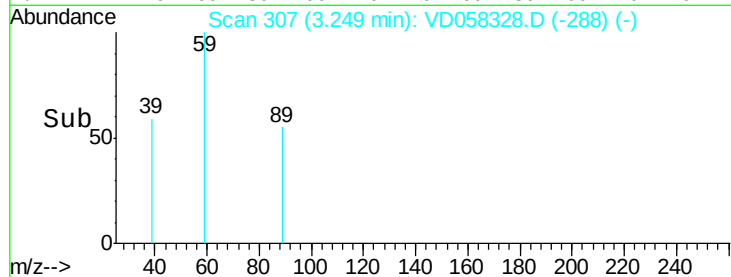
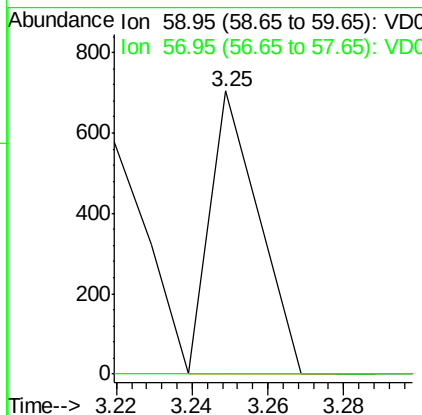
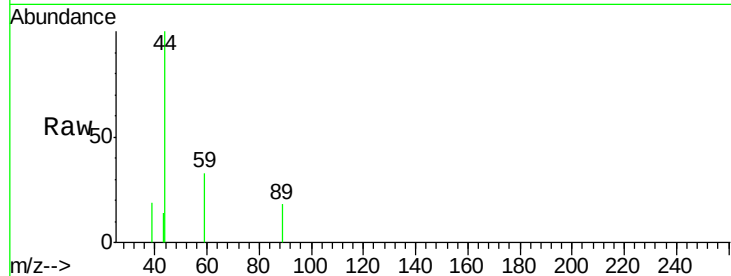


#11

Tert butyl alcohol
 Concen: 3.655 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VD058328.D
 Acq: 23 Jun 2018 8:02

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-01-ABC

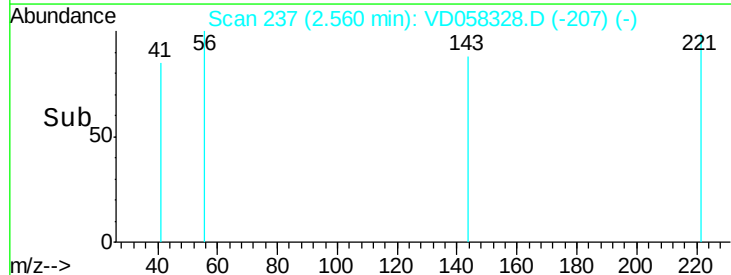
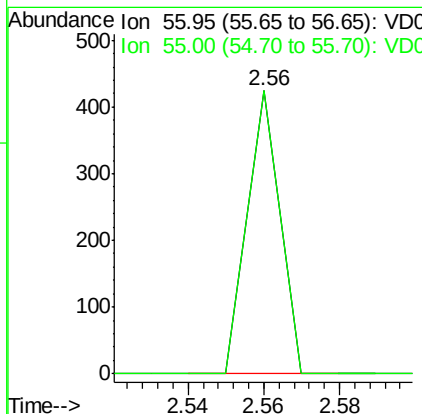
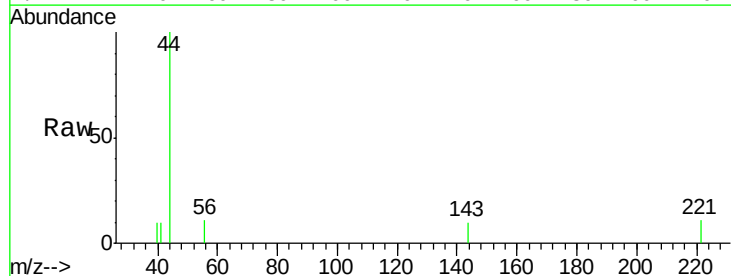
Tot Ion: 59 Resp: 621
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

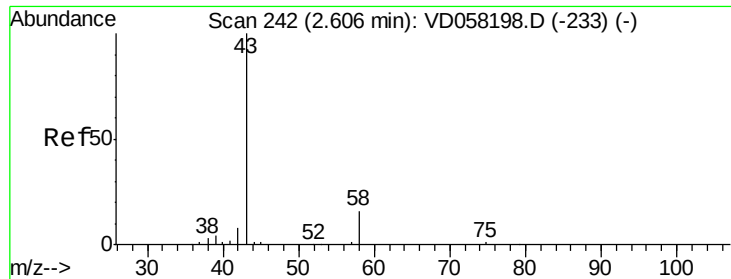


#13

Acrolein
 Concen: 2.578 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.09 min
 Lab File: VD058328.D
 Acq: 23 Jun 2018 8:02

Tgt Ion: 56 Resp: 250
 Ion Ratio Lower Upper
 56 100
 55 100.0 62.1 93.1#





#16

Acetone

Concen: 42.385 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

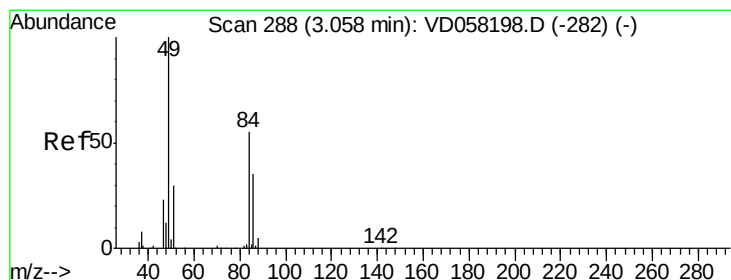
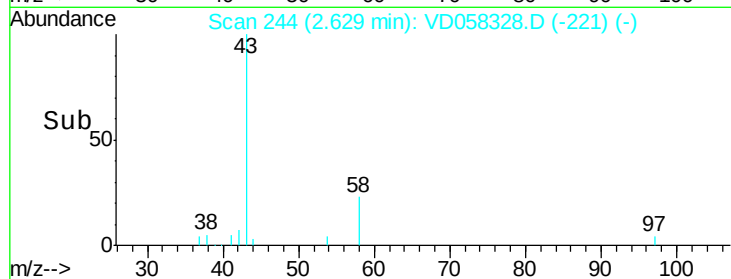
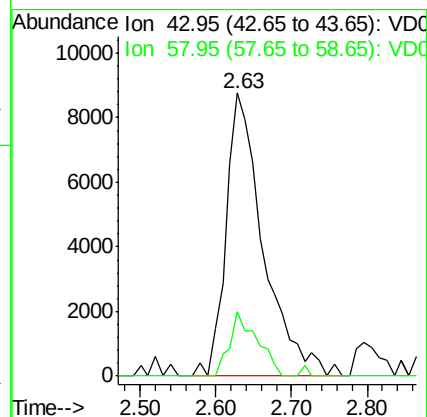
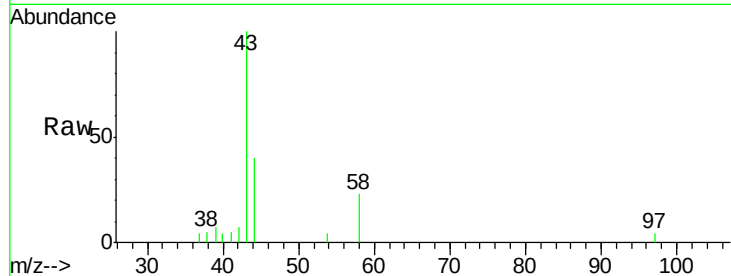
SC-01-ABC

Tot Ion: 43 Resp: 29857

Ion Ratio Lower Upper

43 100

58 22.8 12.7 19.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Tgt Ion: 84 Resp: 4725

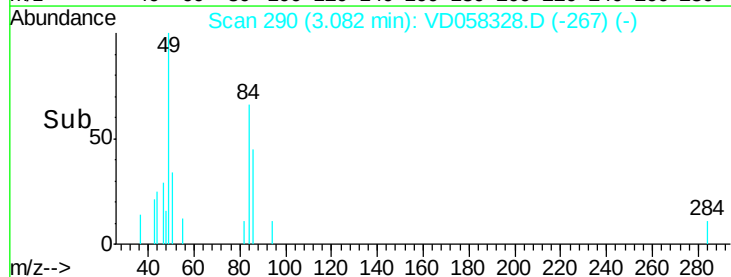
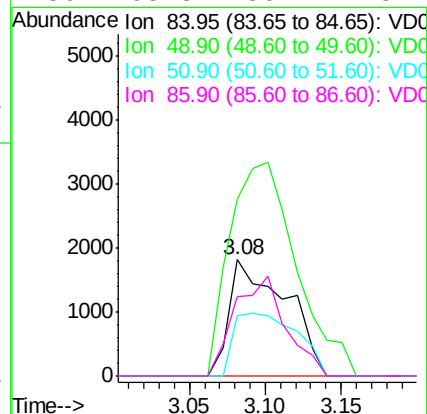
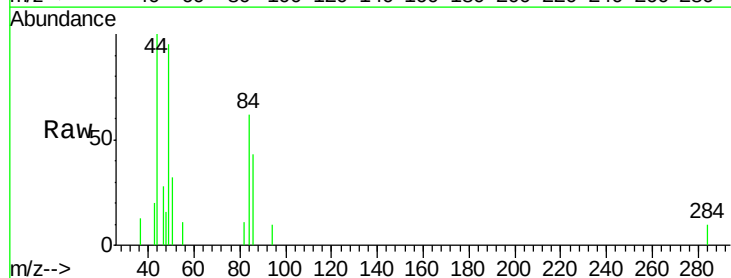
Ion Ratio Lower Upper

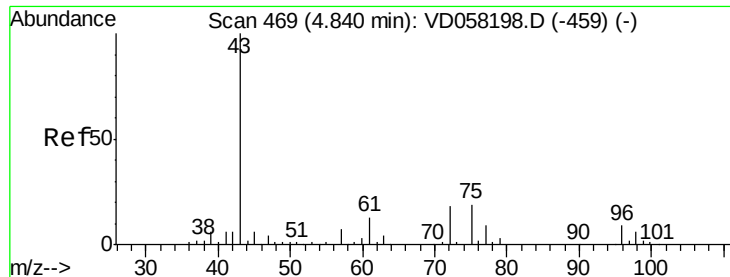
84 100

49 152.1 145.0 217.6

51 52.0 42.9 64.3

86 68.3 50.1 75.1





#25

2-Butanone

Concen: 3.152 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampled :

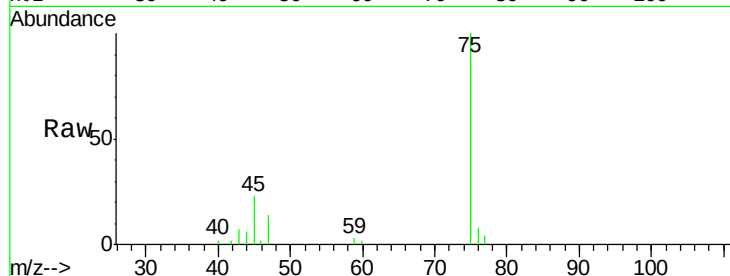
SC-01-ABC

Tot Ion: 43 Resp: 4839

Ion Ratio Lower Upper

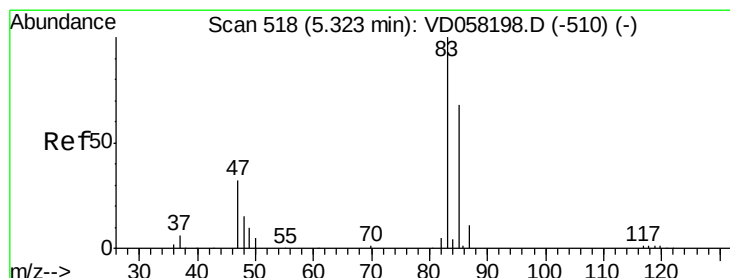
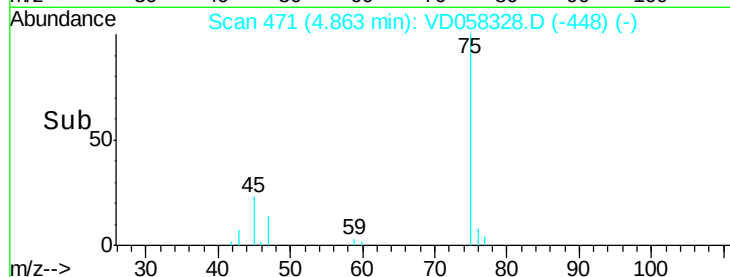
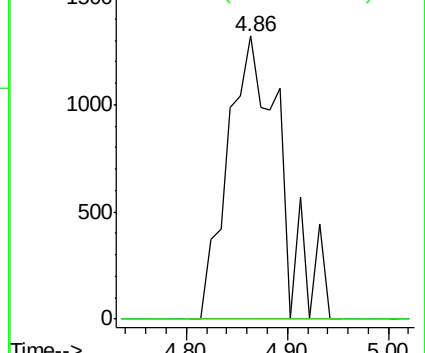
43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 1.212 ug/l

RT: 5.35 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD058328.D

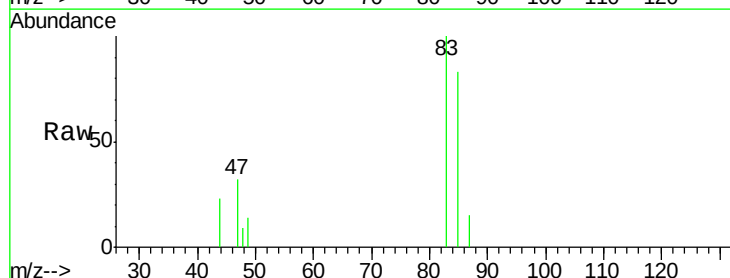
Acq: 23 Jun 2018 8:02

Tgt Ion: 83 Resp: 11165

Ion Ratio Lower Upper

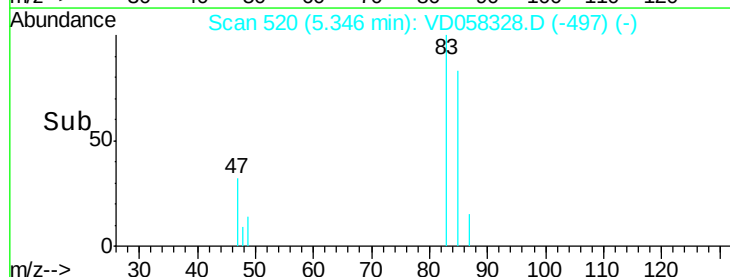
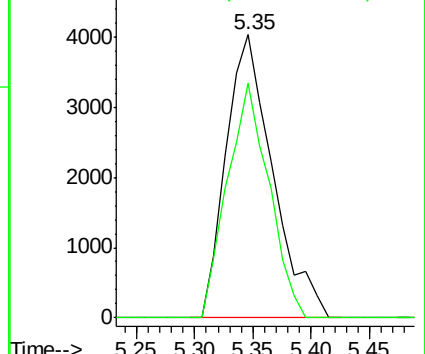
83 100

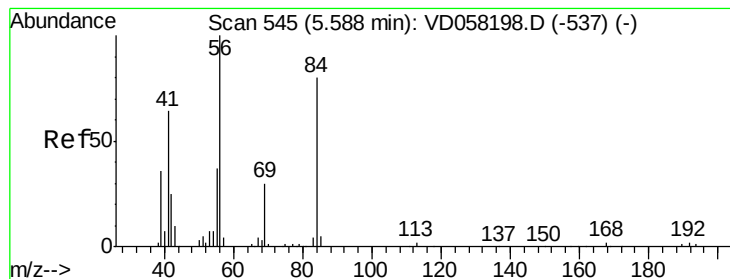
85 83.0 54.8 82.2#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.66 min Scan# 552

Delta R.T. 0.07 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampled :

SC-01-ABC

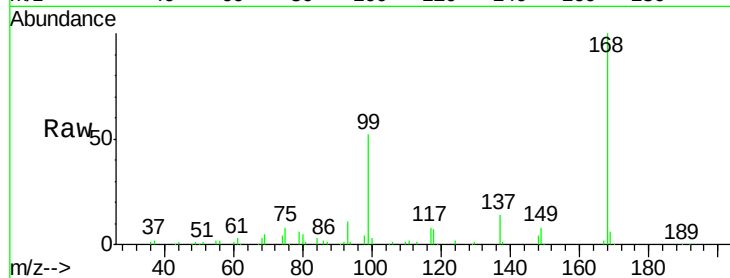
Tot Ion: 56 Resp: 11859

Ion Ratio Lower Upper

56 100

69 259.4 23.6 35.4#

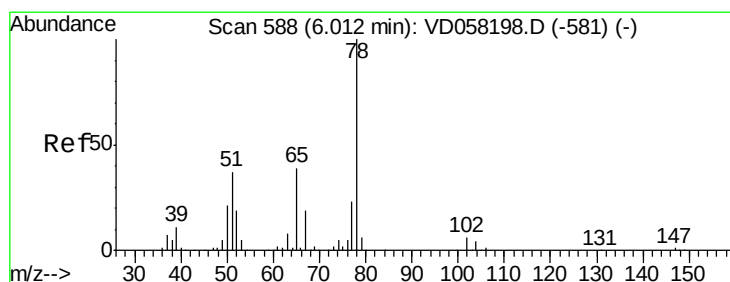
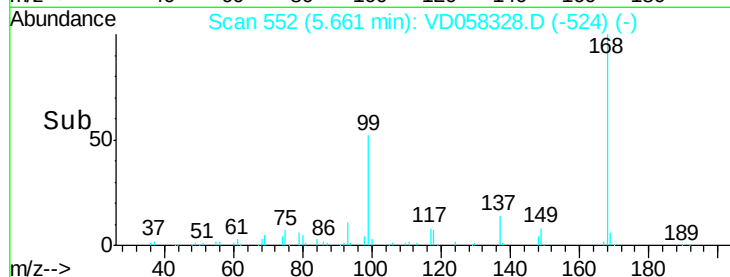
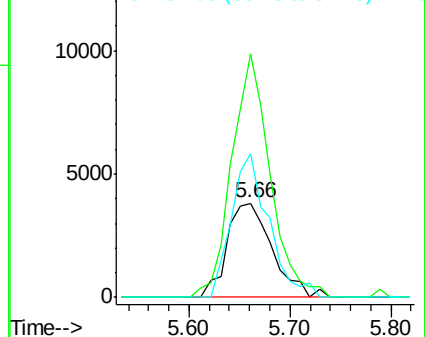
84 152.7 65.2 97.8#



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: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058328.D

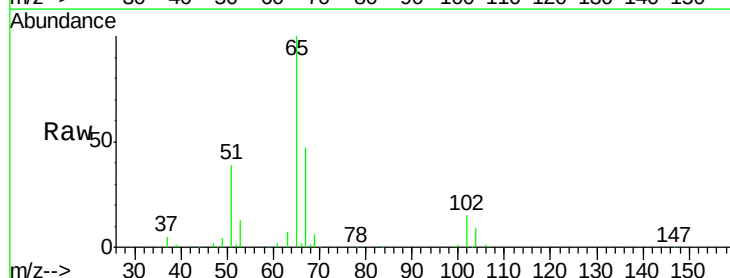
Acq: 23 Jun 2018 8:02

Tgt Ion: 65 Resp: 339200

Ion Ratio Lower Upper

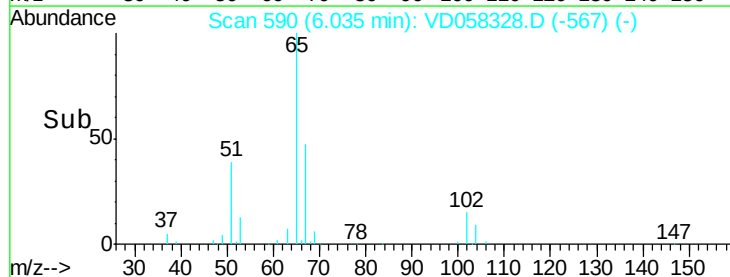
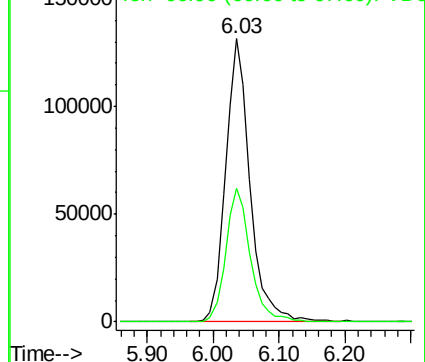
65 100

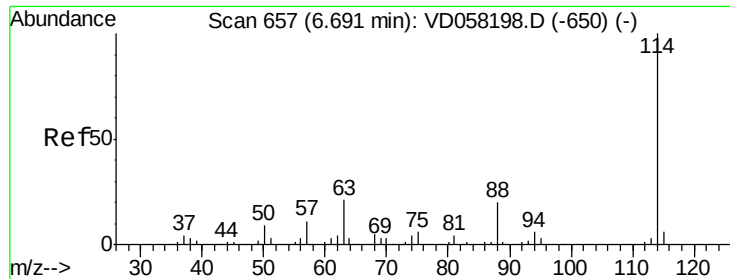
67 47.2 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

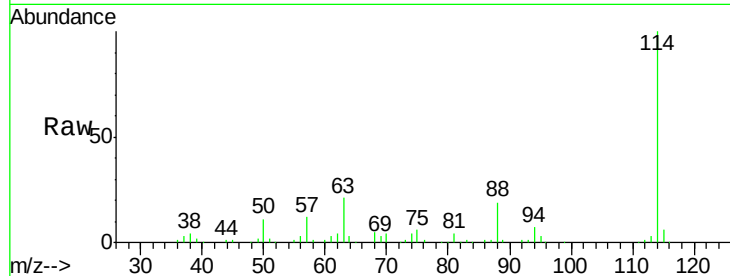




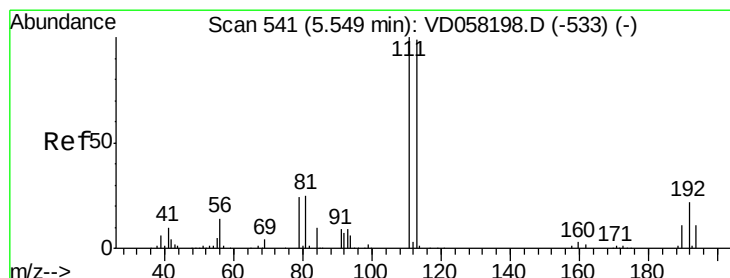
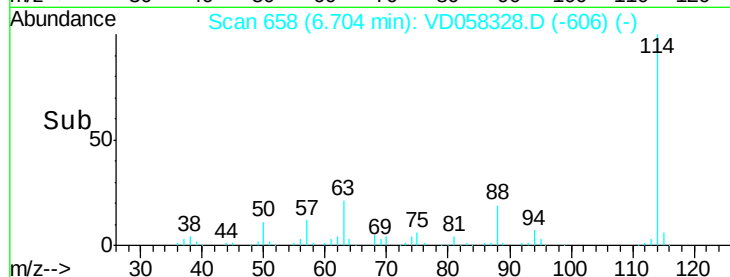
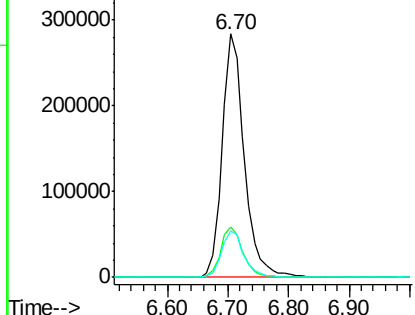
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058328.D
 Acq: 23 Jun 2018 8:02

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-01-ABC

Tot Ion:114 Resp: 717952
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 19.2 0.0 40.6

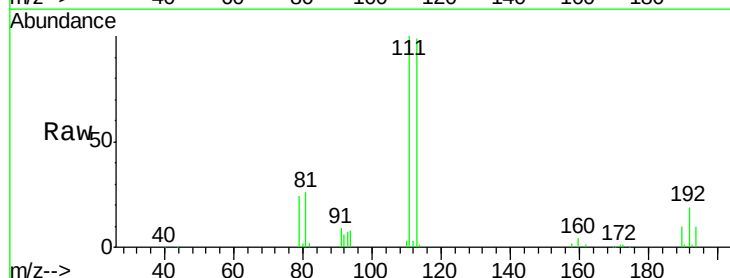


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

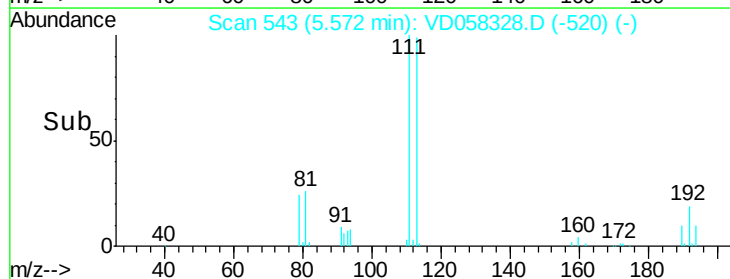
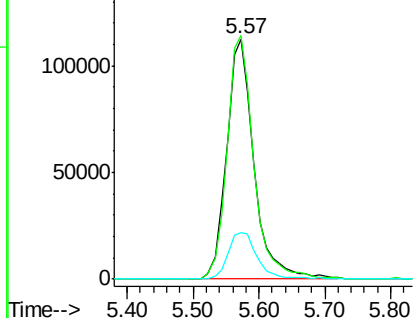


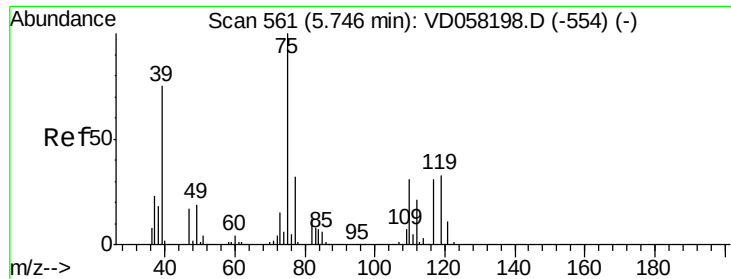
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058328.D
 Acq: 23 Jun 2018 8:02

Tgt Ion:113 Resp: 327182
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.6 121.0
 192 19.5 17.8 26.6



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: 6.185 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

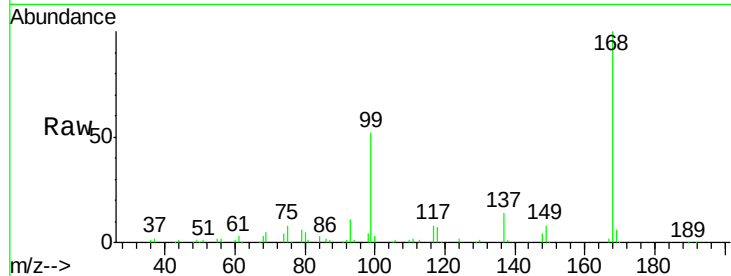
Tot Ion: 75 Resp: 43931

Ion Ratio Lower Upper

75 100

110 7.0 15.4 46.4#

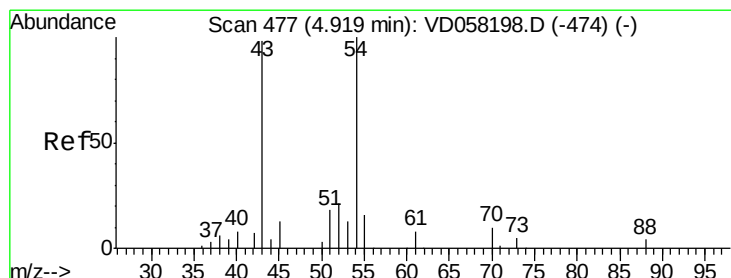
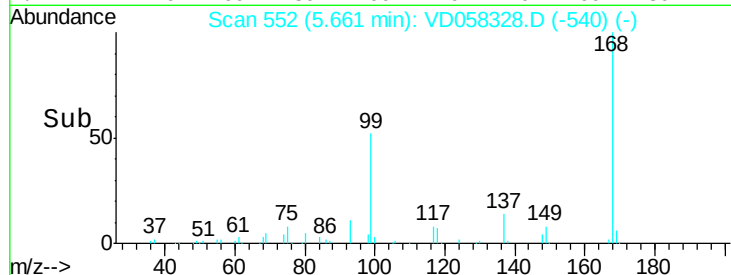
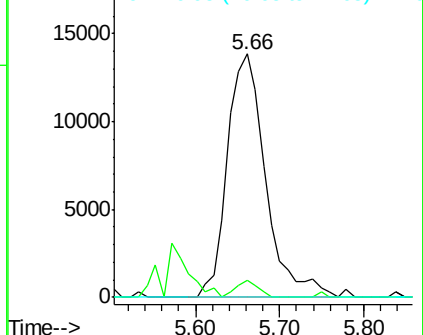
77 0.0 25.4 38.2#



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



#37

Ethyl Acetate

Concen: 1.196 ug/l

RT: 4.86 min Scan# 471

Delta R.T. -0.06 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

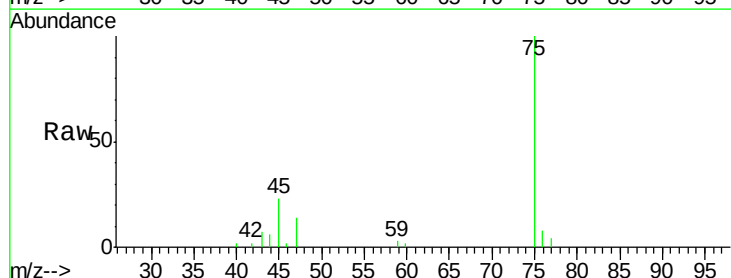
Tgt Ion: 43 Resp: 4839

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

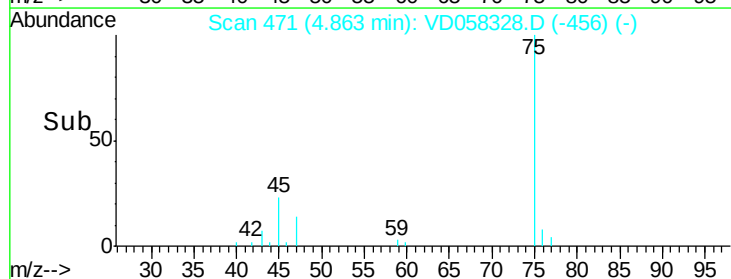
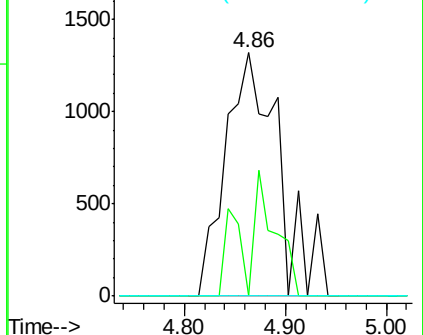
70 0.0 5.7 8.5#

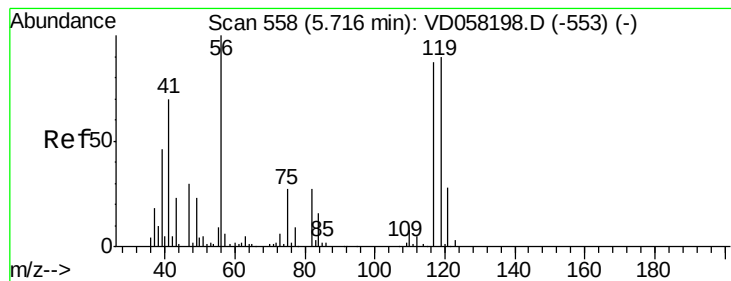


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

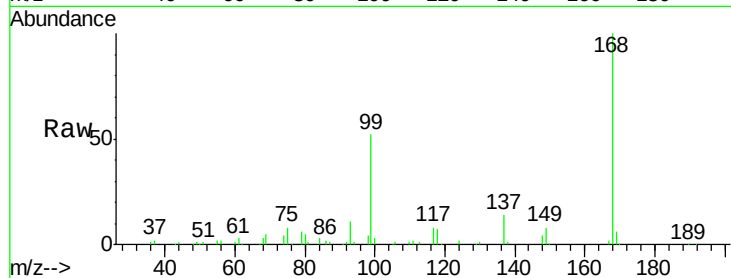
Tot Ion:117 Resp: 41128

Ion Ratio Lower Upper

117 100

119 3.2 78.8 118.2#

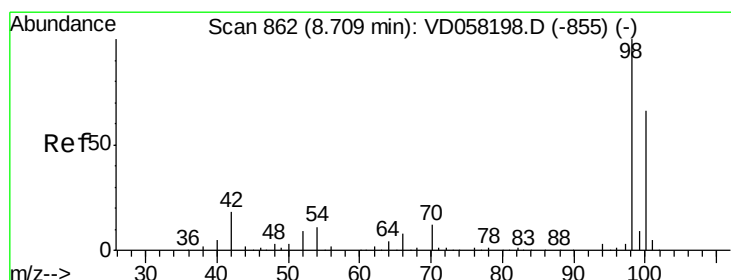
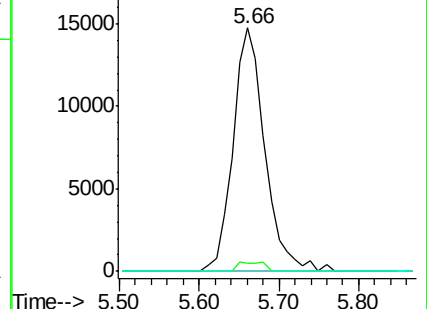
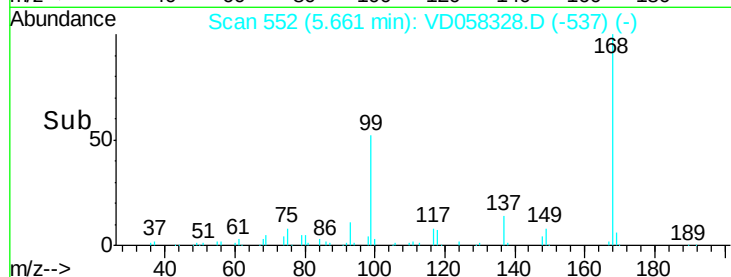
121 0.0 25.0 37.6#



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: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058328.D

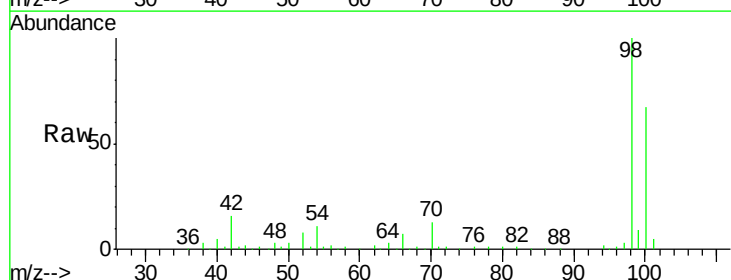
Acq: 23 Jun 2018 8:02

Tgt Ion: 98 Resp: 685945

Ion Ratio Lower Upper

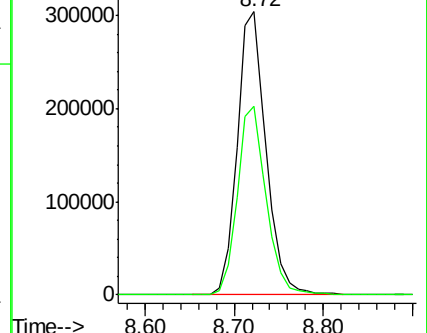
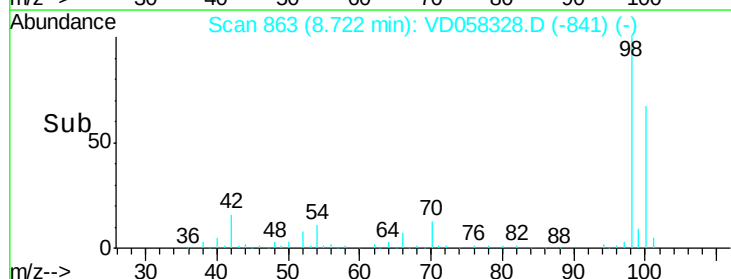
98 100

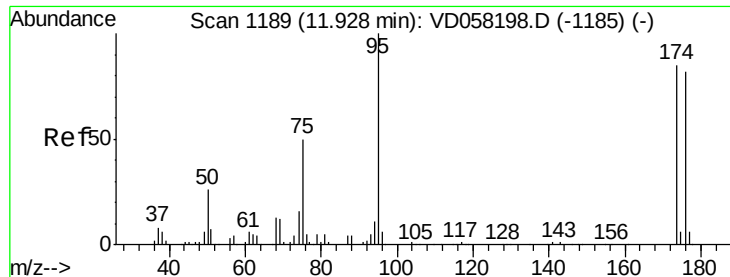
100 66.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

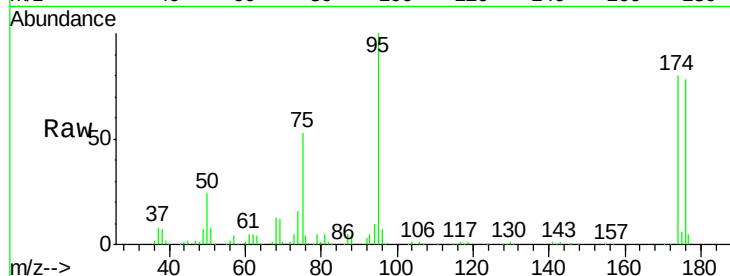
Tot Ion: 95 Resp: 283170

Ion Ratio Lower Upper

95 100

174 80.3 0.0 170.2

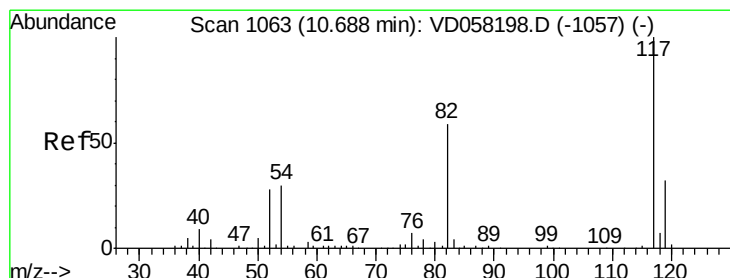
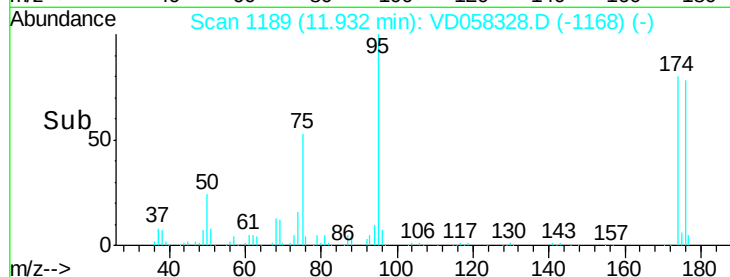
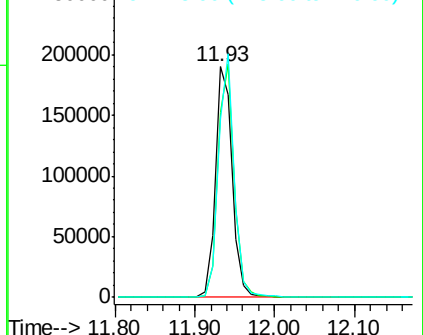
176 77.6 0.0 164.6



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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

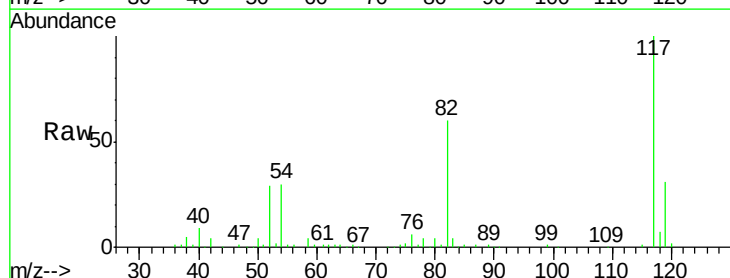
Tgt Ion: 117 Resp: 579553

Ion Ratio Lower Upper

117 100

82 60.5 47.0 70.6

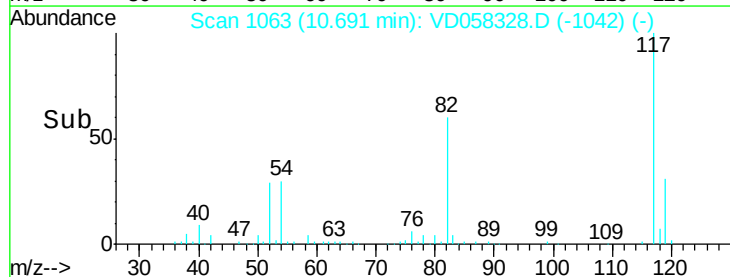
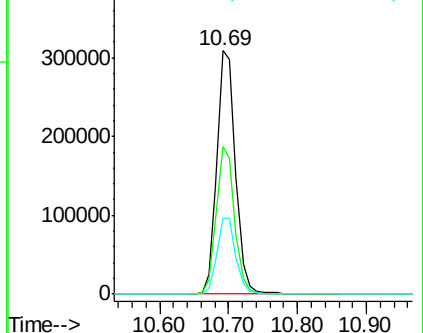
119 31.3 25.3 37.9

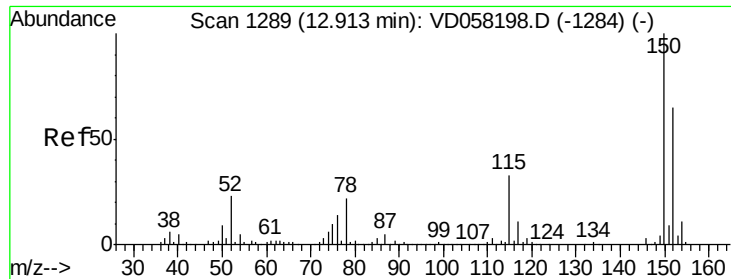


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

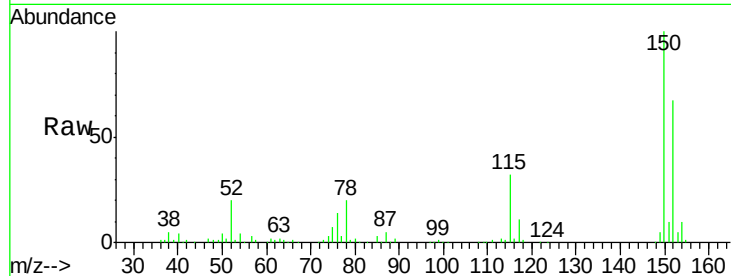
Tot Ion:152 Resp: 260492

Ion Ratio Lower Upper

152 100

115 47.7 25.1 75.3

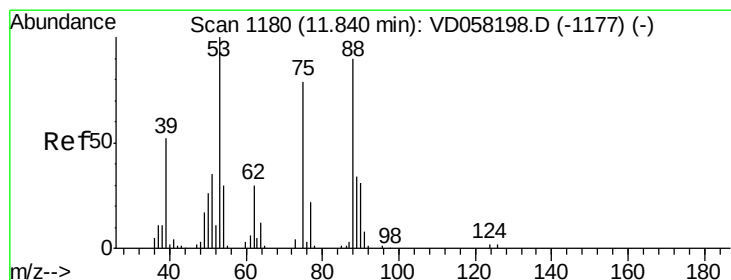
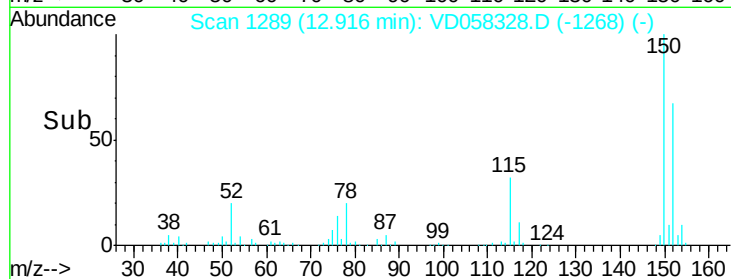
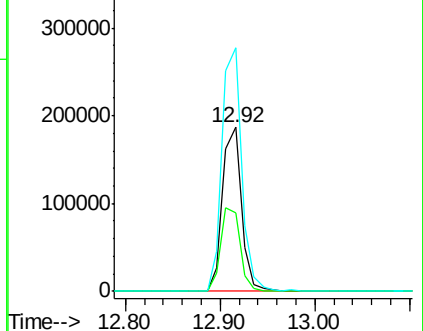
150 148.6 0.0 308.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 157.656 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058328.D

Acq: 23 Jun 2018 8:02

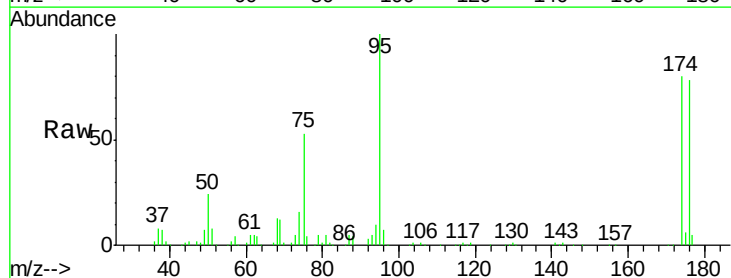
Tgt Ion: 75 Resp: 146240

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

89 0.0 34.6 52.0#



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

