

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058283.D
 Acq On : 22 Jun 2018 7:38
 Operator : VA/AP
 Sample : J3595-03
 Misc : 6.48g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-02-AB

Quant Time: Jun 22 08:25:40 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	5.65	168	15479	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	30141	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	28684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	10833	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	26566	169.92	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	339.84%	
35) Dibromofluoromethane	5.55	113	18084	73.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	147.44%	
50) Toluene-d8	8.71	98	32510	54.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	11.93	95	12585	51.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.82%	

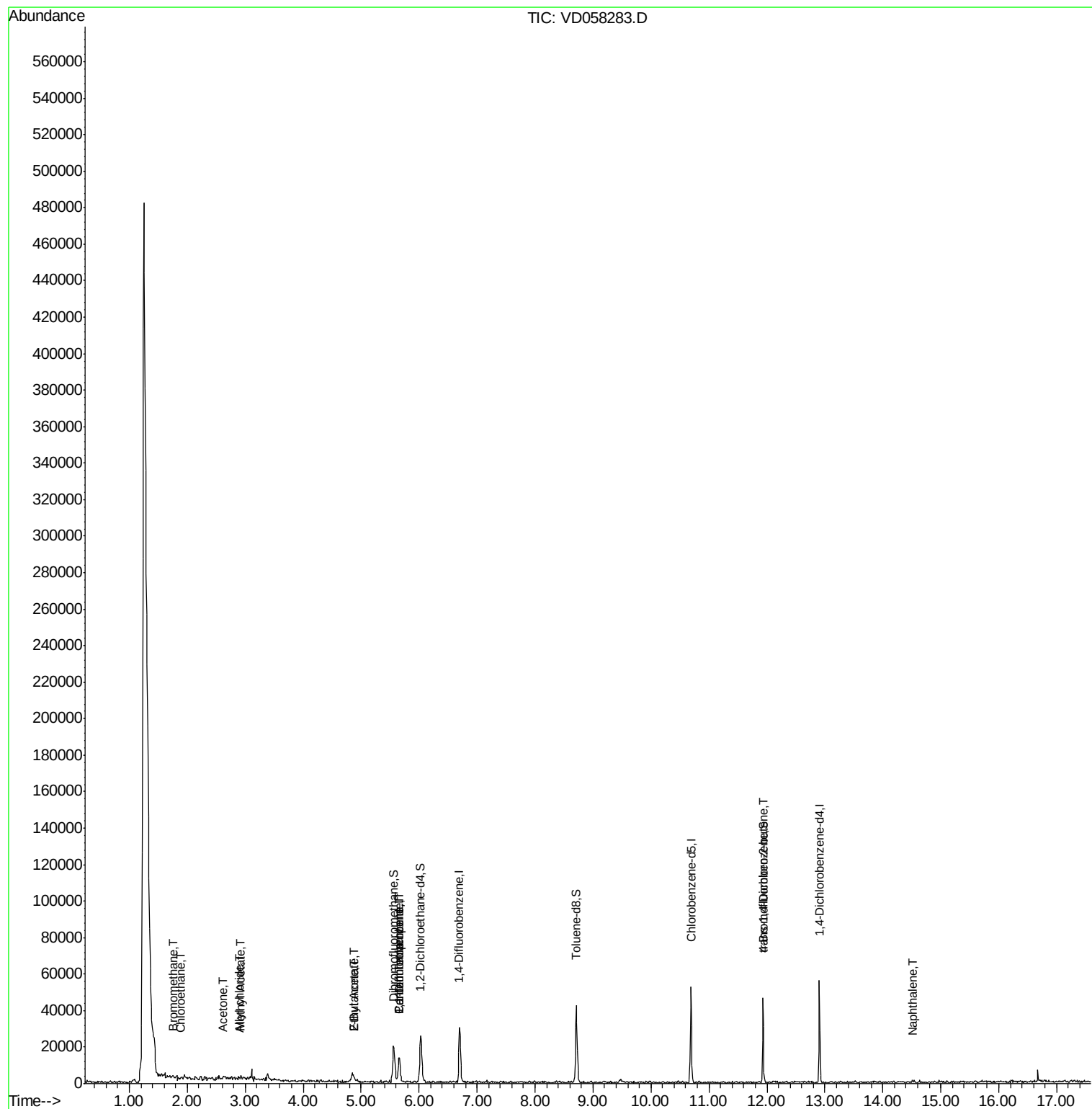
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.76	94	211	6.413	ug/l #	3
6) Chloroethane	1.90	64	199	7.019	ug/l #	41
14) Allyl chloride	2.90	41	534	4.314	ug/l #	56
16) Acetone	2.62	43	2413	112.852	ug/l #	62
18) Methyl Acetate	2.93	43	590	12.938	ug/l #	65
25) 2-Butanone	4.88	43	435	9.334	ug/l #	60
36) 1,1-Dichloropropene	5.67	75	535	1.794	ug/l #	43
37) Ethyl Acetate	4.88	43	435	2.561	ug/l #	72
38) Carbon Tetrachloride	5.66	117	553	1.867	ug/l #	11
81) trans-1,4-Dichloro-2-buten	11.93	75	5876	152.325	ug/l #	1
95) Naphthalene	14.51	128	422	1.167	ug/l #	70

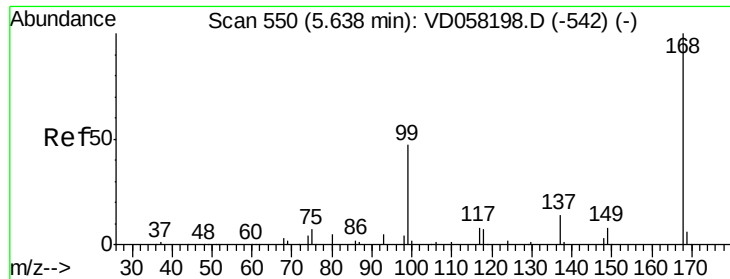
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

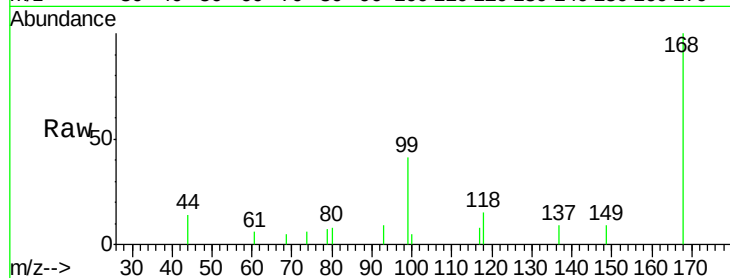
SC-02-AB

Tot Ion:168 Resp: 15479

Ion Ratio Lower Upper

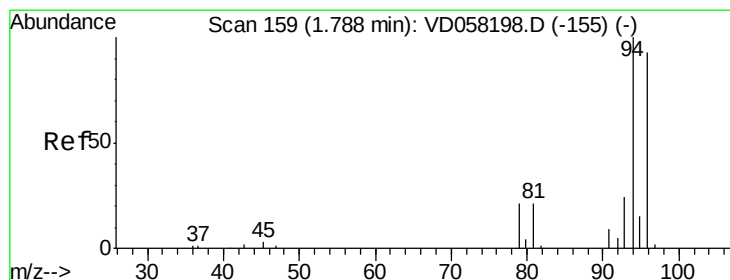
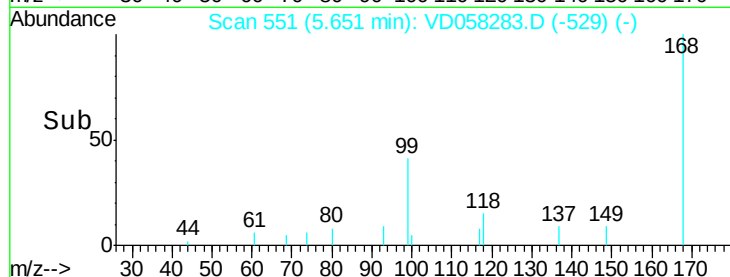
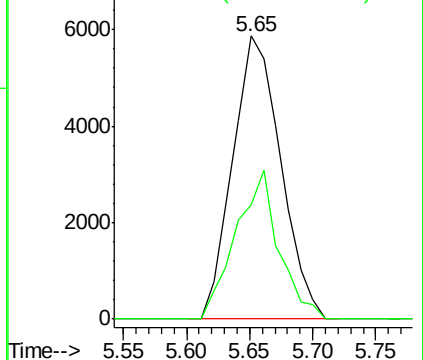
168 100

99 40.5 41.1 61.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 6.413 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.03 min

Lab File: VD058283.D

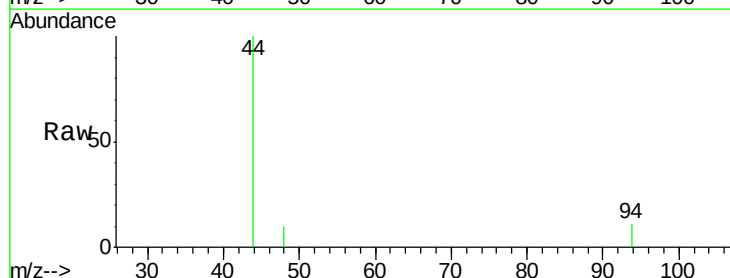
Acq: 22 Jun 2018 7:38

Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

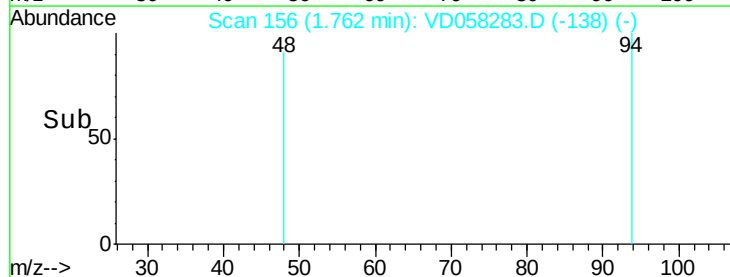
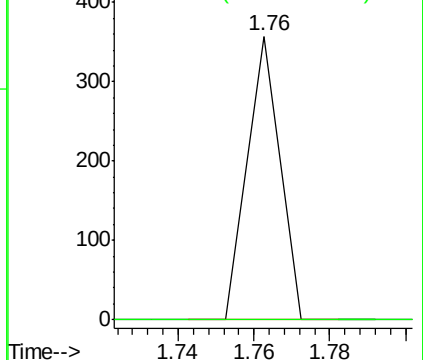
94 100

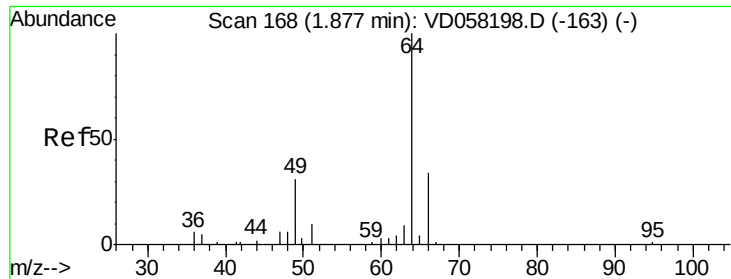
96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 7.019 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

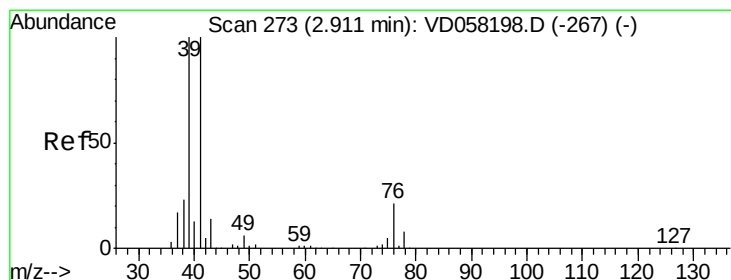
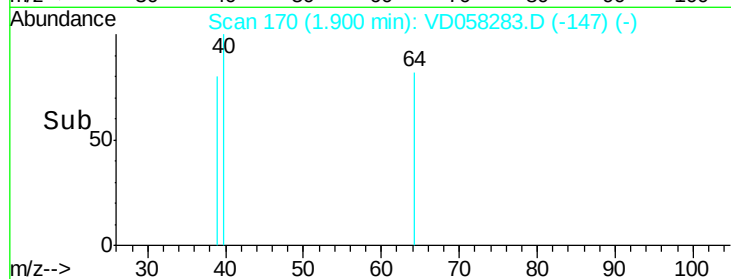
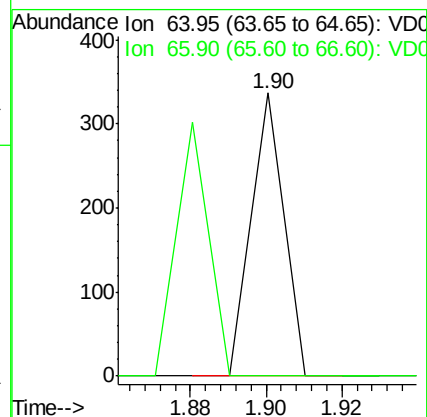
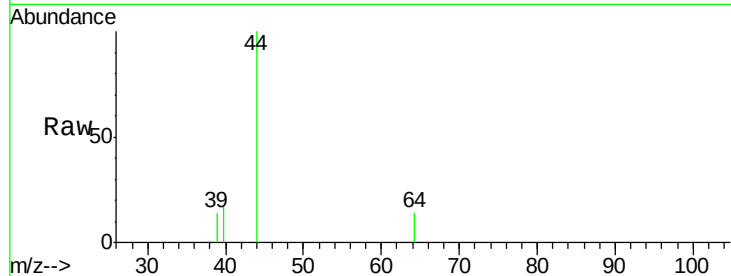
SC-02-AB

Tot Ion: 64 Resp: 199

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



#14

Allyl chloride

Concen: 4.314 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.01 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

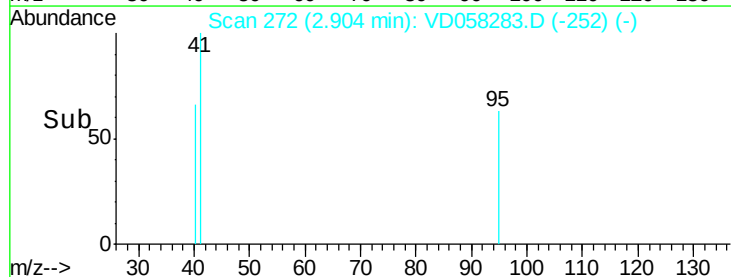
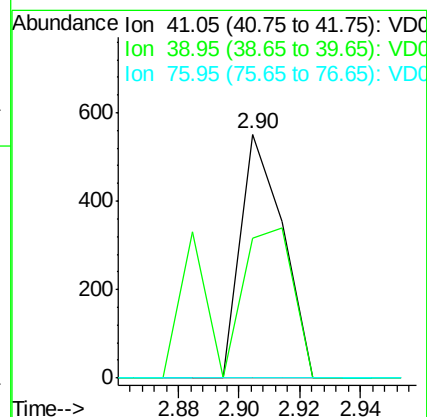
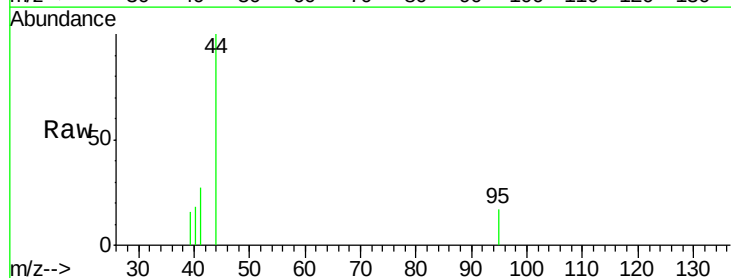
Tgt Ion: 41 Resp: 534

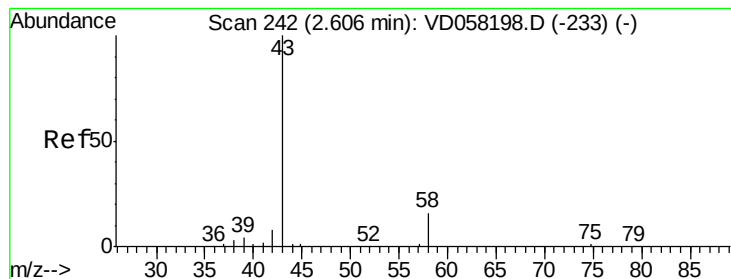
Ion Ratio Lower Upper

41 100

39 57.2 80.1 120.1#

76 0.0 19.4 29.2#





#16

Acetone

Concen: 112.852 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

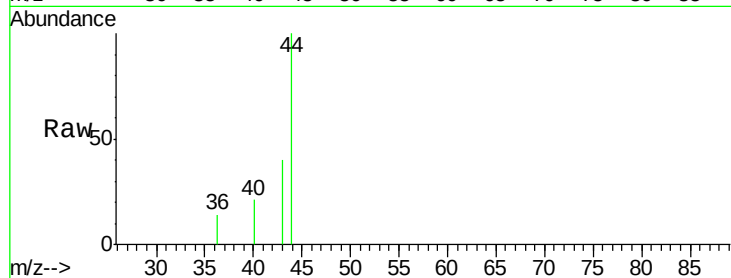
SC-02-AB

Tot Ion: 43 Resp: 2413

Ion Ratio Lower Upper

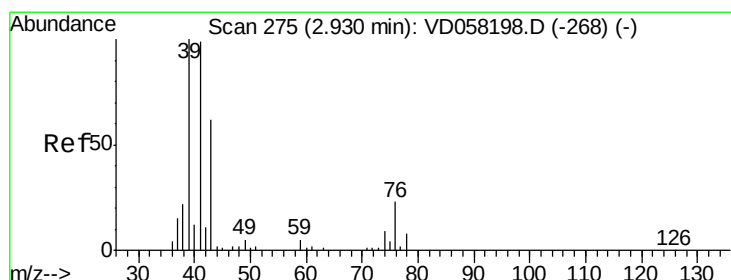
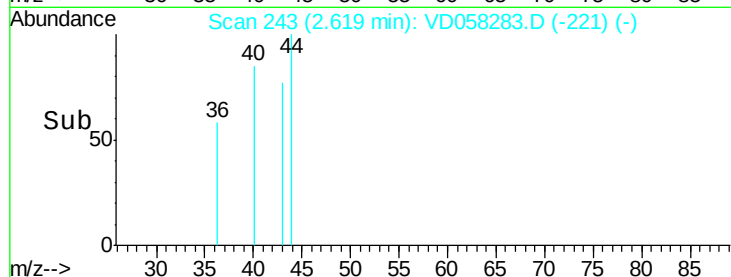
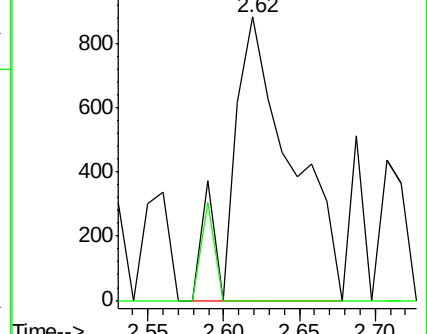
43 100

58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 12.938 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058283.D

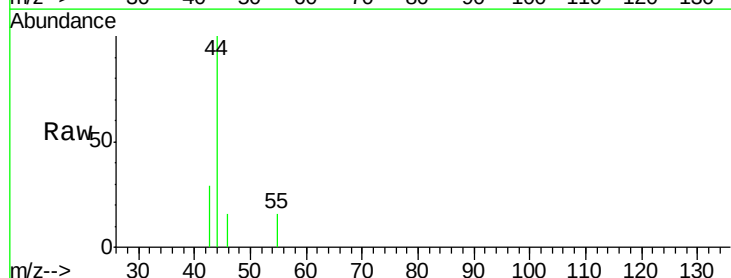
Acq: 22 Jun 2018 7:38

Tgt Ion: 43 Resp: 590

Ion Ratio Lower Upper

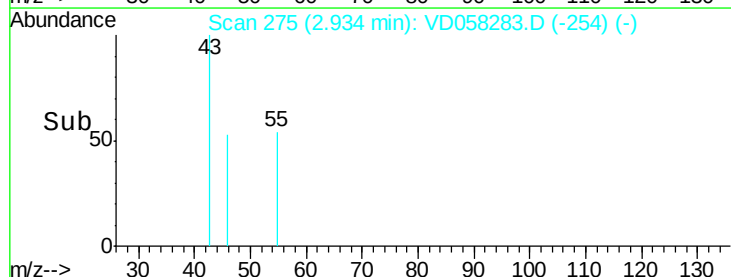
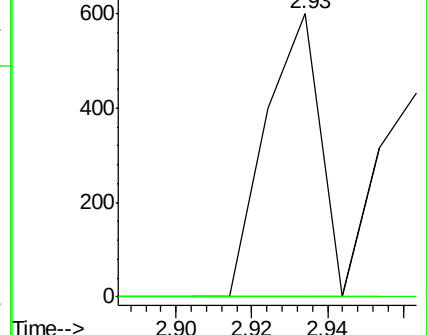
43 100

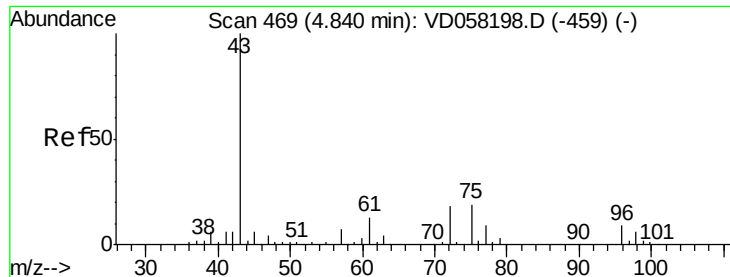
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 9.334 ug/l

RT: 4.88 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

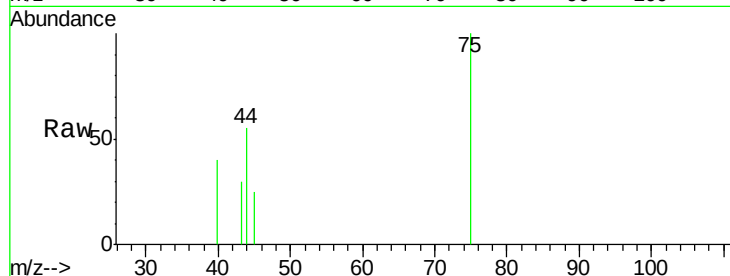
SC-02-AB

Tot Ion: 43 Resp: 435

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

4.88

400

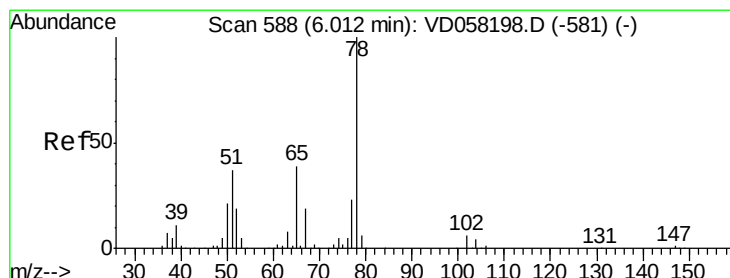
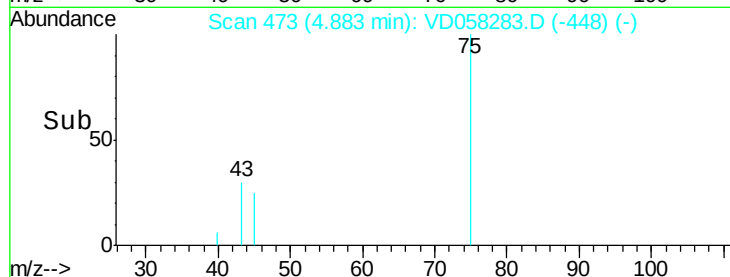
300

200

100

0

Time--> 4.84 4.86 4.88 4.90 4.92



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058283.D

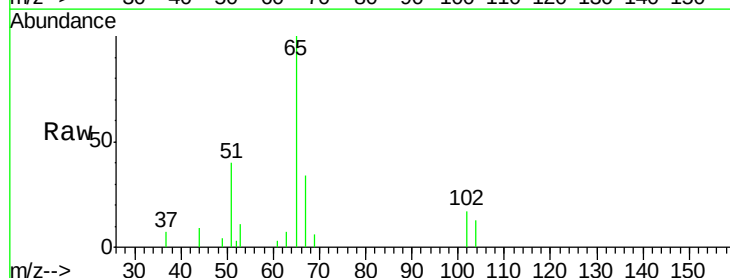
Acq: 22 Jun 2018 7:38

Tgt Ion: 65 Resp: 26566

Ion Ratio Lower Upper

65 100

67 33.7 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

12000

10000

8000

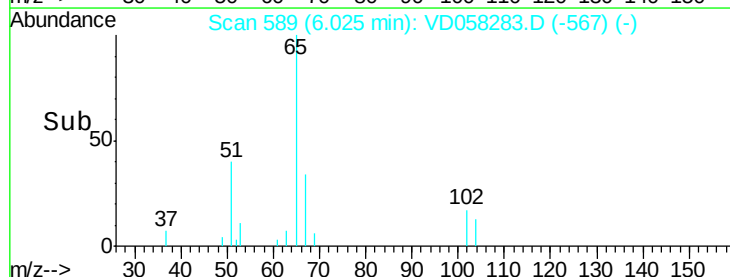
6000

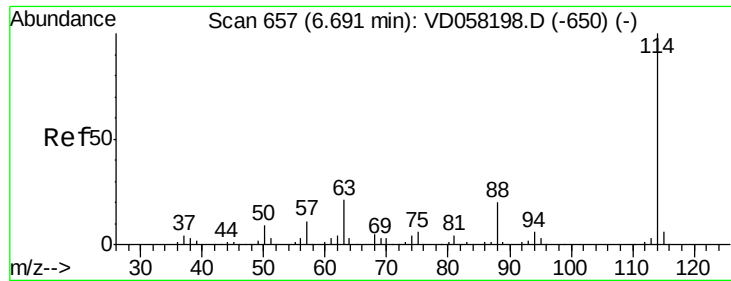
4000

2000

0

Time--> 5.90 6.00 6.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

SC-02-AB

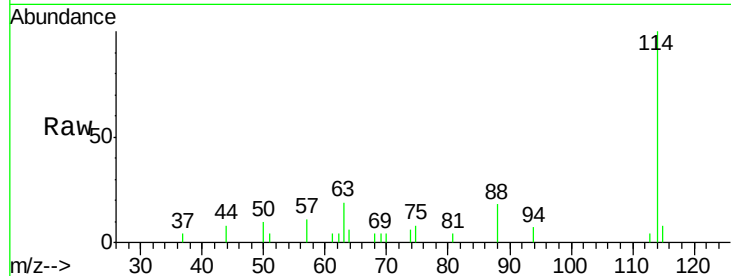
Tot Ion:114 Resp: 30141

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

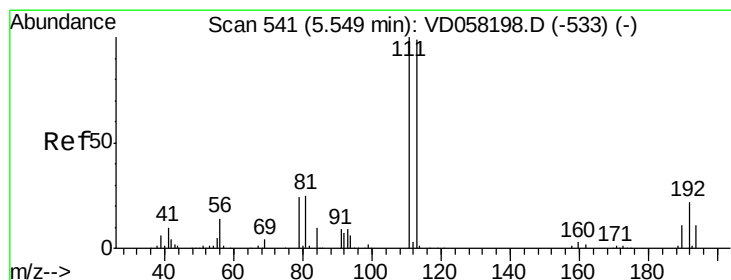
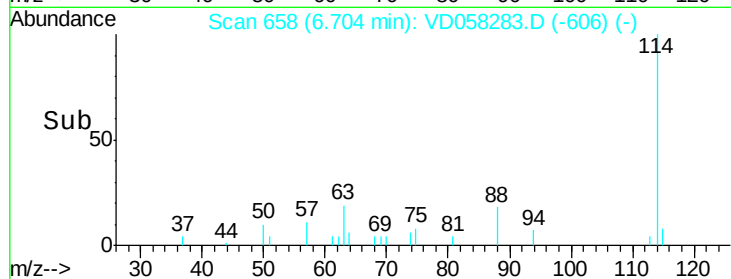
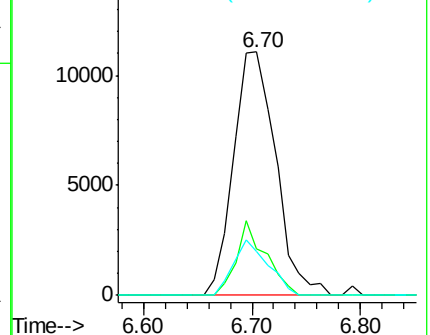
88 17.9 0.0 40.6



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: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

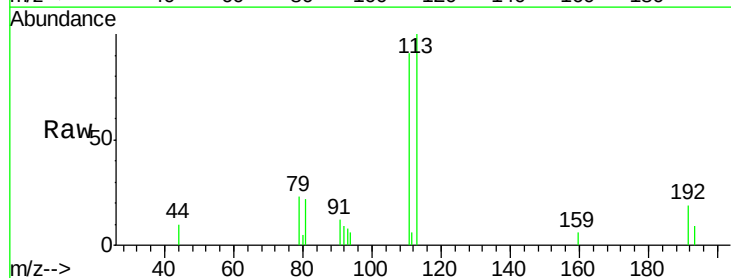
Tgt Ion:113 Resp: 18084

Ion Ratio Lower Upper

113 100

111 90.6 80.6 121.0

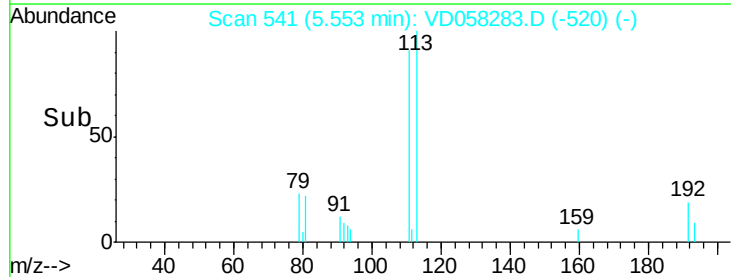
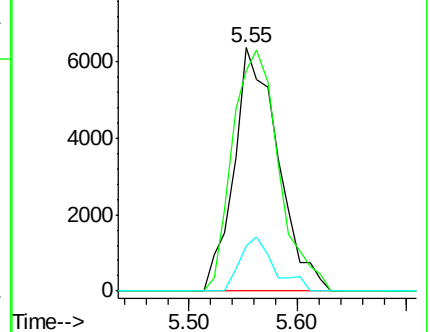
192 18.7 17.8 26.6

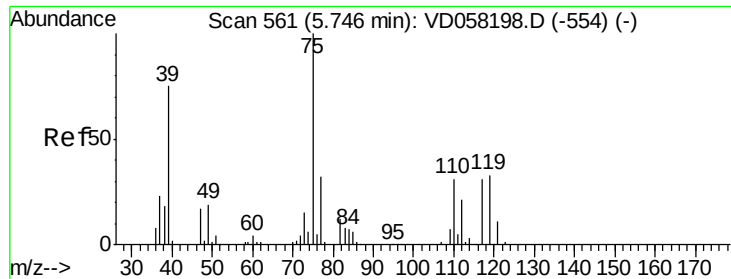


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 1.794 ug/l

RT: 5.67 min Scan# 553

Delta R.T. -0.08 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

SC-02-AB

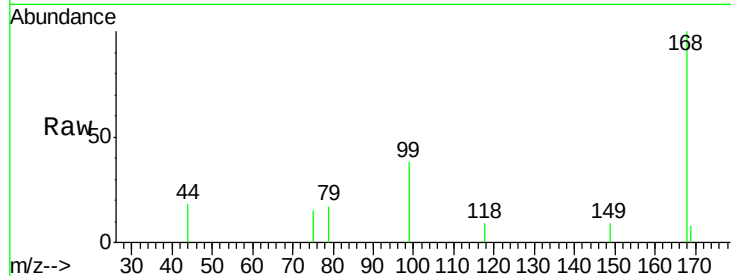
Tot Ion: 75 Resp: 535

Ion Ratio Lower Upper

75 100

110 0.0 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

800

600

400

200

0

5.64

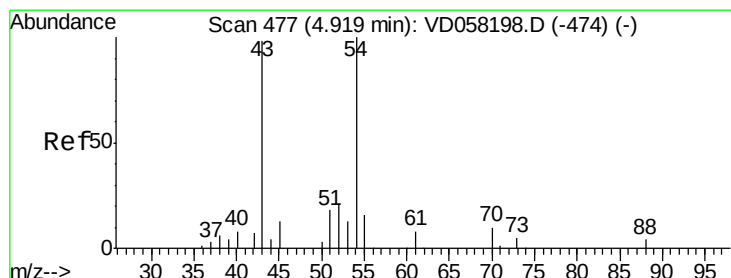
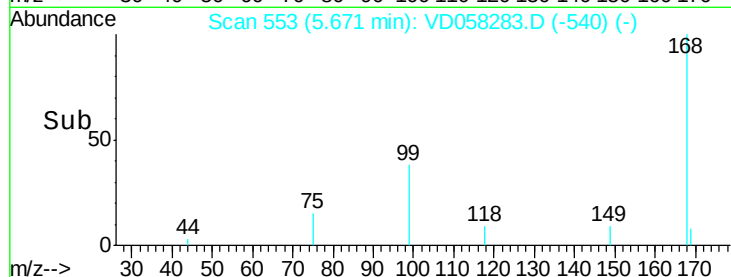
5.66

5.68

5.70

5.72

Time-->



#37

Ethyl Acetate

Concen: 2.561 ug/l

RT: 4.88 min Scan# 473

Delta R.T. -0.04 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

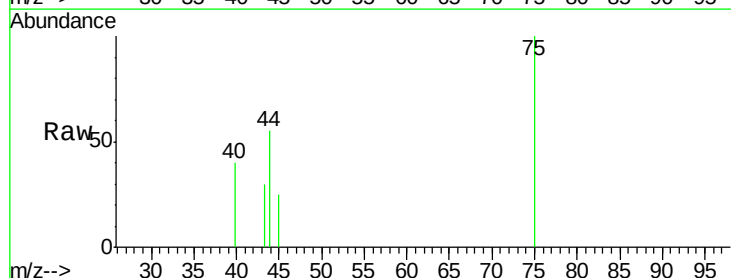
Tgt Ion: 43 Resp: 435

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

600

500

400

300

200

100

0

4.84

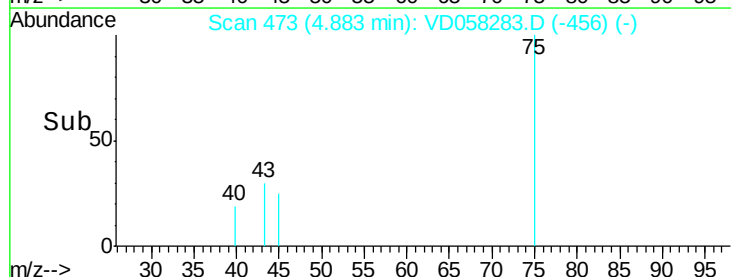
4.86

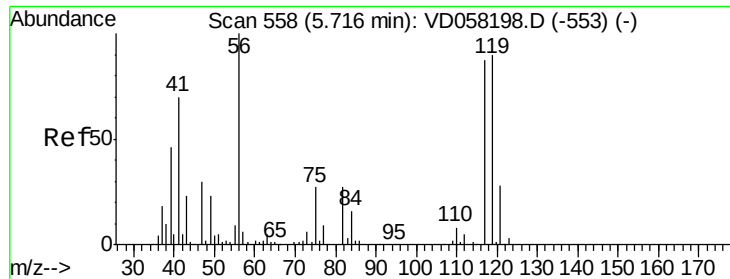
4.88

4.90

4.92

Time-->





#38

Carbon Tetrachloride

Concen: 1.867 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampled :

SC-02-AB

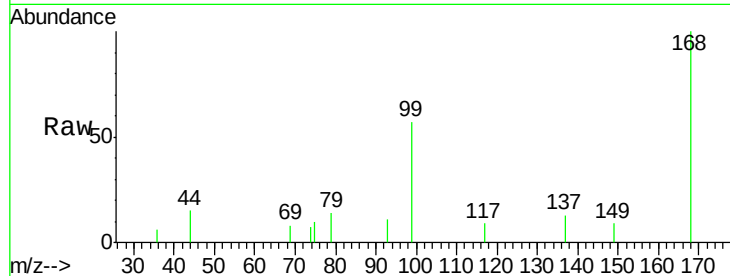
Tot Ion:117 Resp: 553

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

121 0.0 25.0 37.6#



Abundance Ion 116.85 (116.55 to 117.55): V

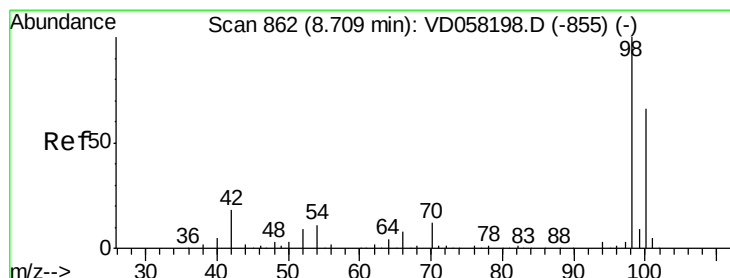
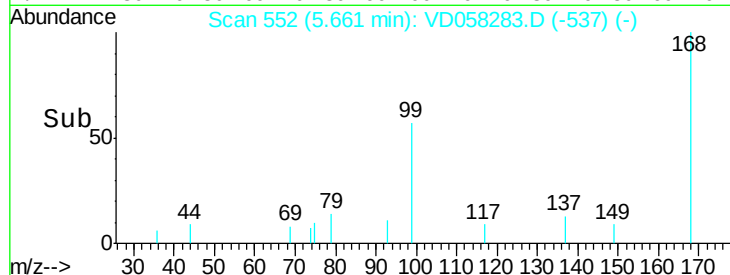
Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

5.66

5.62 5.64 5.66 5.68

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058283.D

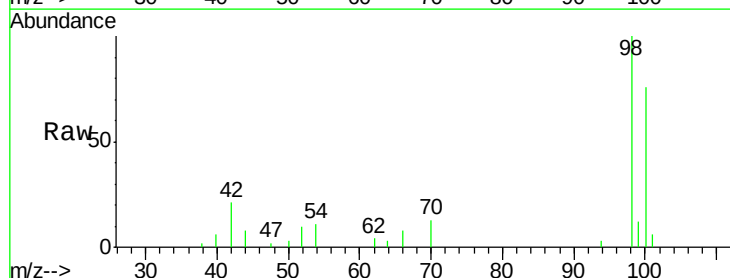
Acq: 22 Jun 2018 7:38

Tgt Ion: 98 Resp: 32510

Ion Ratio Lower Upper

98 100

100 76.1 53.6 80.4



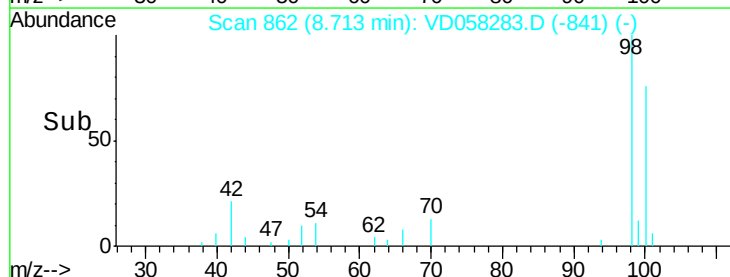
Abundance Ion 98.05 (97.75 to 98.75): V

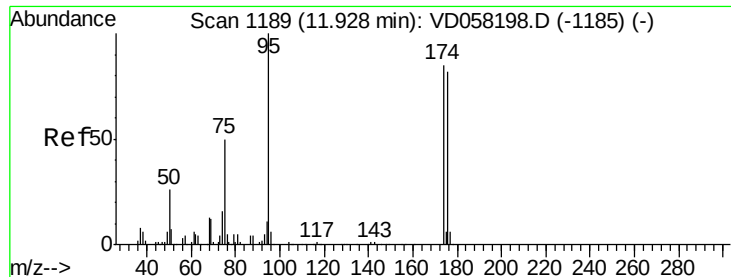
Ion 100.05 (99.75 to 100.75): V

8.71

8.65 8.70 8.75 8.80

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

SC-02-AB

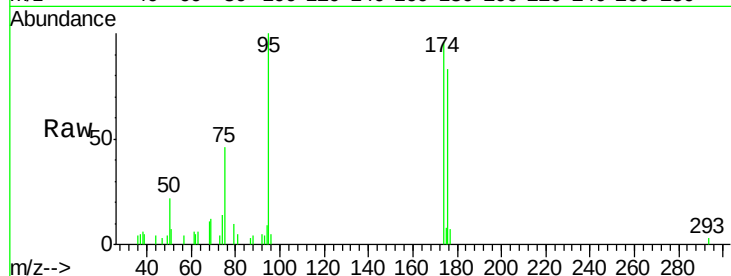
Tot Ion: 95 Resp: 12585

Ion Ratio Lower Upper

95 100

174 95.5 0.0 170.2

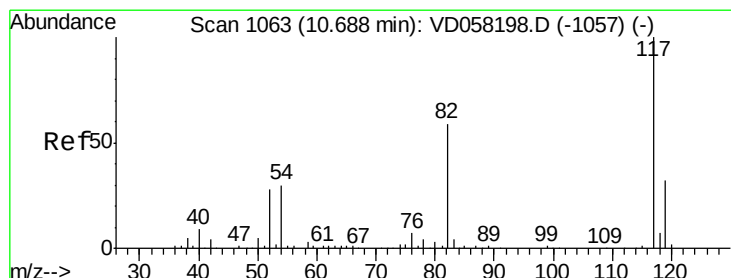
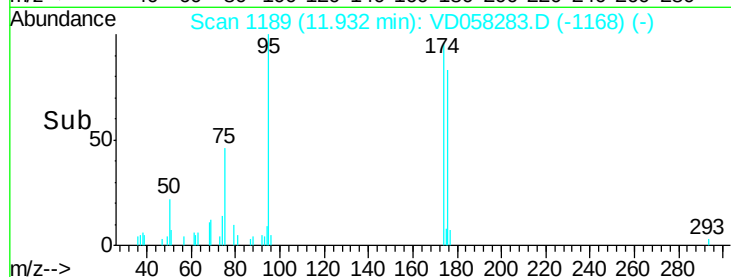
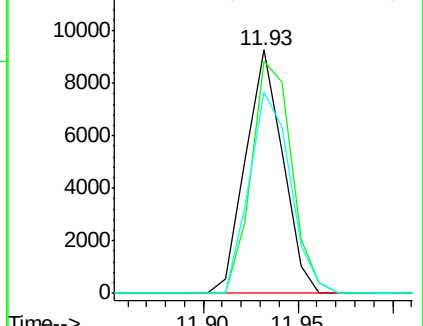
176 82.9 0.0 164.6



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: VD058283.D

Acq: 22 Jun 2018 7:38

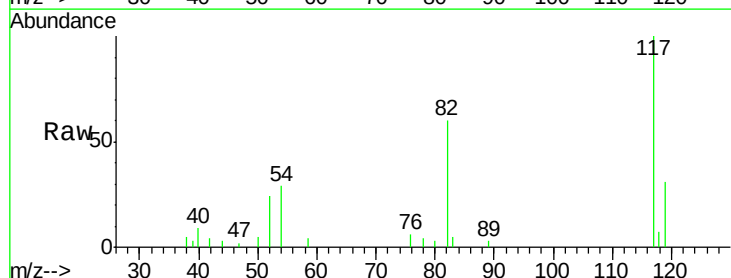
Tgt Ion: 117 Resp: 28684

Ion Ratio Lower Upper

117 100

82 60.4 47.0 70.6

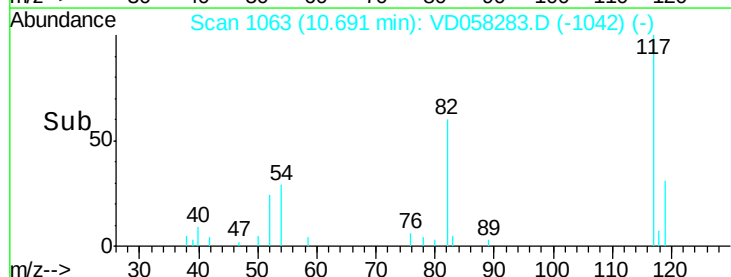
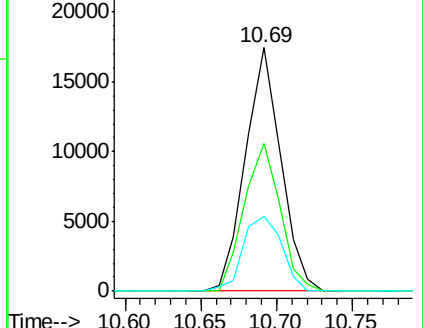
119 30.6 25.3 37.9

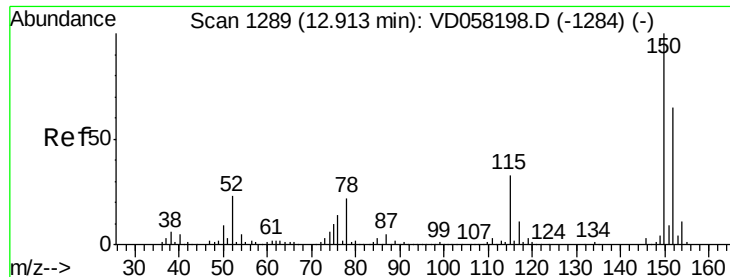


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

Instrument :

MSVOA_D

ClientSampleId :

SC-02-AB

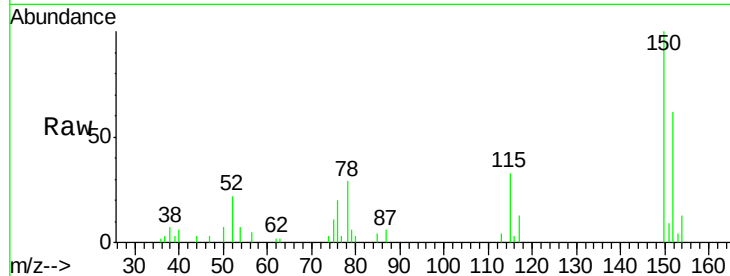
Tot Ion:152 Resp: 10833

Ion Ratio Lower Upper

152 100

115 53.3 25.1 75.3

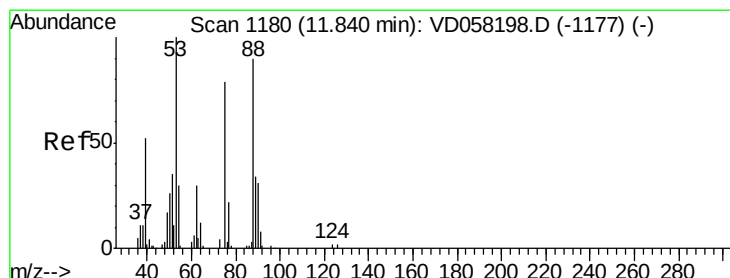
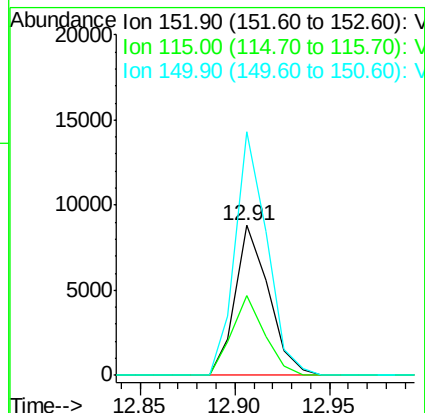
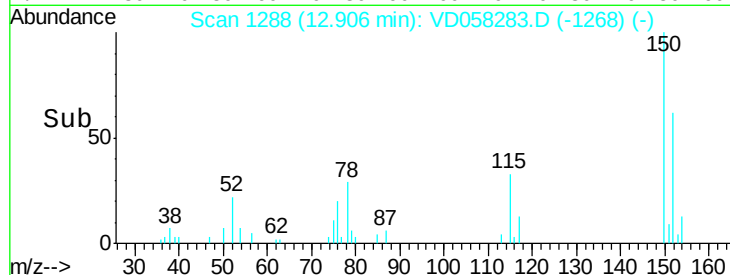
150 162.2 0.0 308.8



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: 152.325 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058283.D

Acq: 22 Jun 2018 7:38

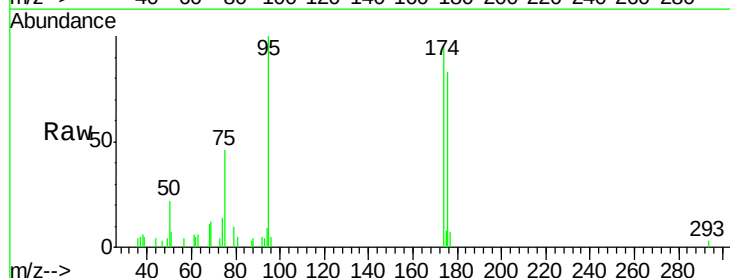
Tgt Ion: 75 Resp: 5876

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

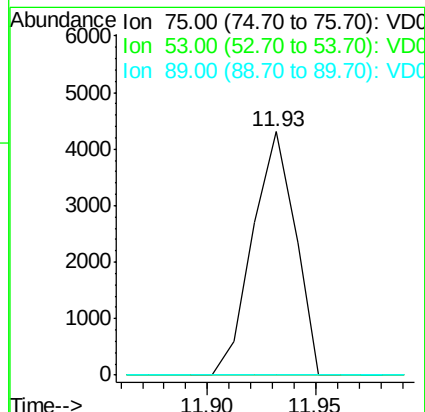
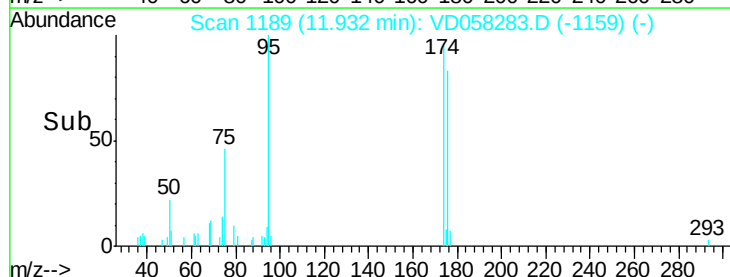
89 0.0 34.6 52.0#

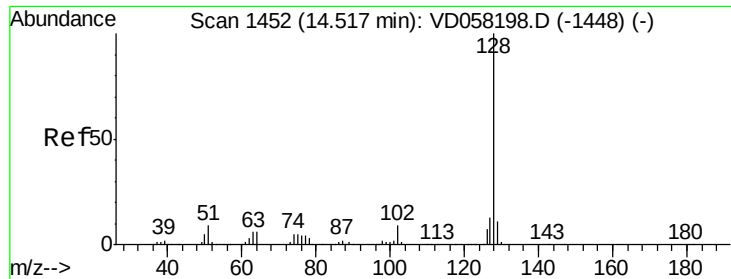


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
 Naphthalene
 Concen: 1.167 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD058283.D
 Acq: 22 Jun 2018 7:38

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-02-AB

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

