

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058211.D
 Acq On : 20 Jun 2018 15:48
 Operator : VA/AP
 Sample : J3554-06RE
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-5(2.5)

Quant Time: Jun 21 01:45:54 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	5.64	168	678334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	872654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	717661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	357544	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	345588	50.44	ug/l	0.01
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	5.55	113	352684	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	796937	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
62) 4-Bromofluorobenzene	11.93	95	322658	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	

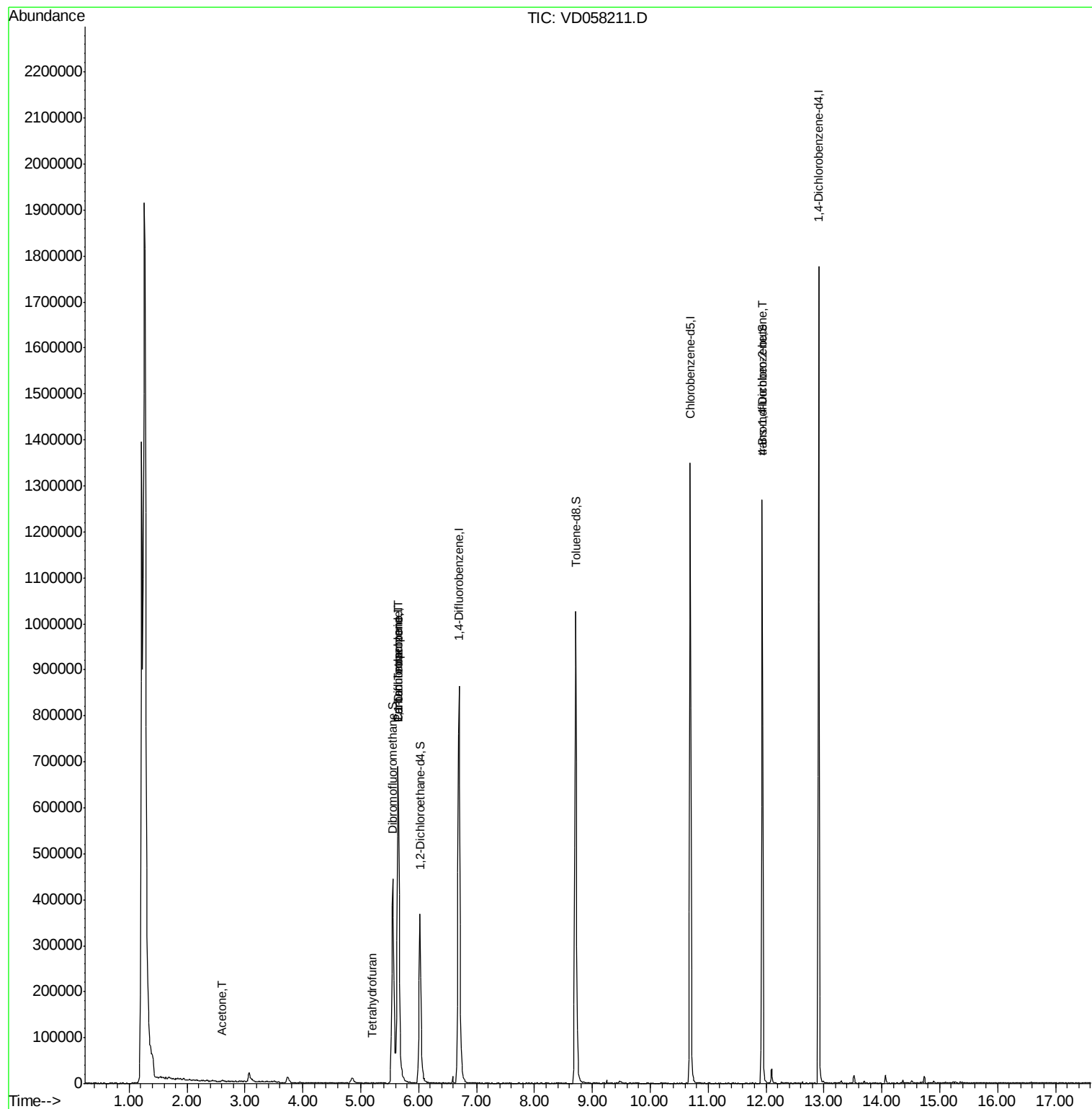
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.49	50	193	Below Cal	#	43
16) Acetone	2.61	43	5936	6.335	ug/l #	62
20) Methylene Chloride	3.07	84	8328	Below Cal	#	82
29) Tetrahydrofuran	5.20	42	2476	2.278	ug/l #	37
31) Cyclohexane	5.65	56	15458	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	52223	6.049	ug/l #	50
38) Carbon Tetrachloride	5.64	117	55674	6.491	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	149933	117.763	ug/l #	1
82) 4-Chlorotoluene	12.33	91	829	Below Cal	#	45

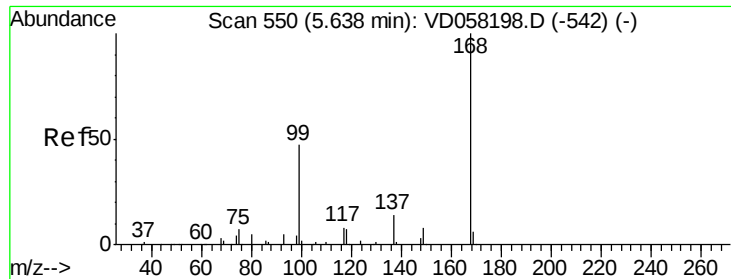
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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A-5(2.5)

Quant Time: Jun 21 01:45:54 2018
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

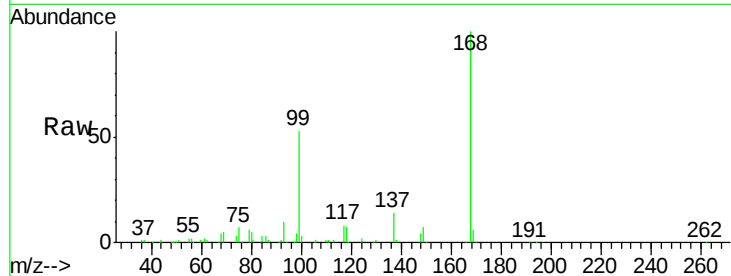
A-5(2.5)

Tot Ion:168 Resp: 678334

Ion Ratio Lower Upper

168 100

99 53.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

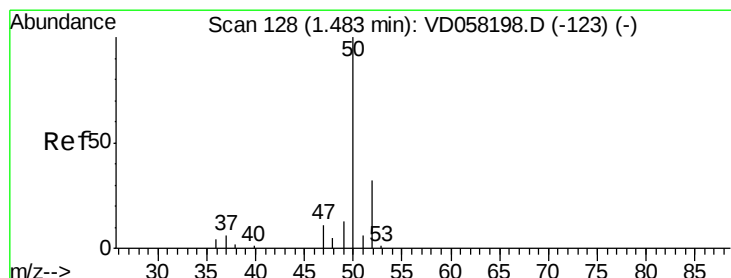
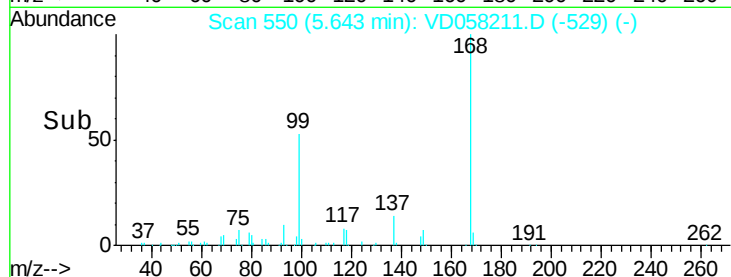
150000

100000

50000

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Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.49 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD058211.D

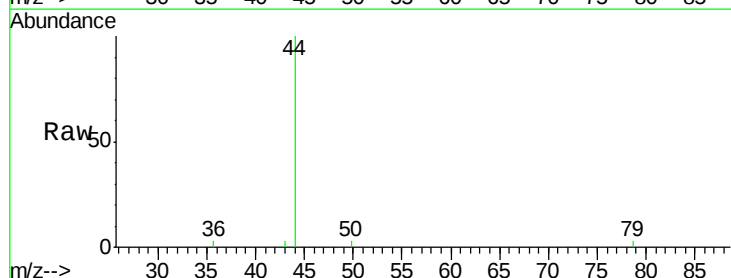
Acq: 20 Jun 2018 15:48

Tgt Ion: 50 Resp: 193

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

1.49

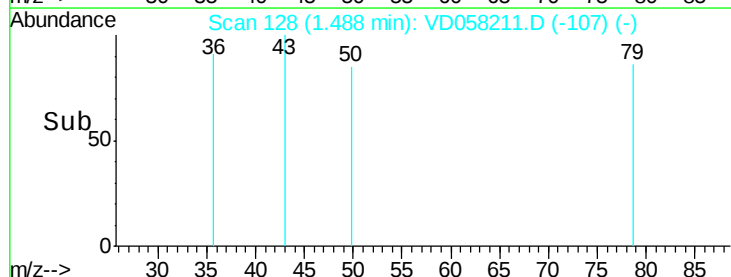
300

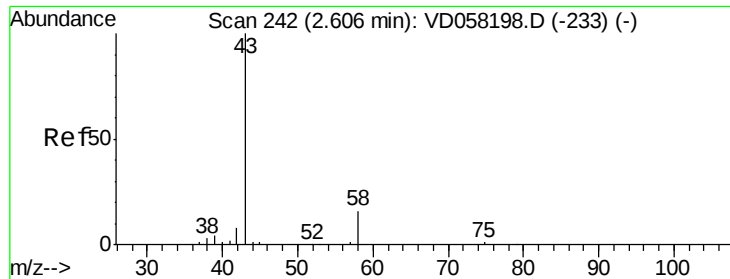
200

100

0

Time-->





#16

Acetone

Concen: 6.335 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

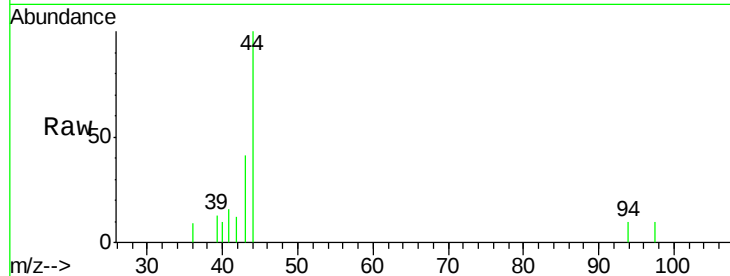
A-5(2.5)

Tot Ion: 43 Resp: 5936

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

2.61

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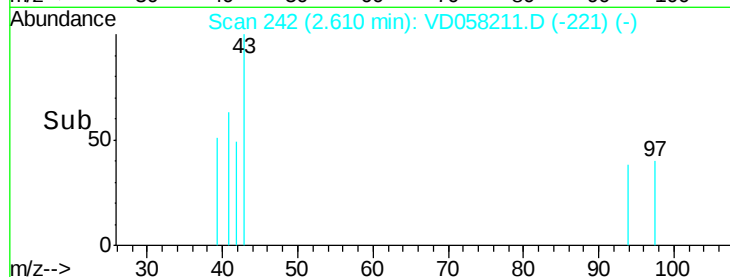
2.61

2.61

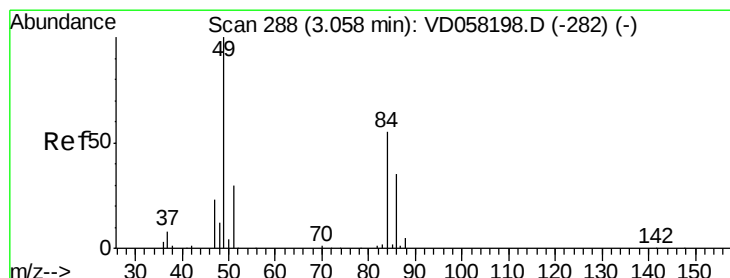
2.61

2.61

2.61



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 3.07 min Scan# 289

Delta R.T. 0.02 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

Tgt Ion: 84 Resp: 8328

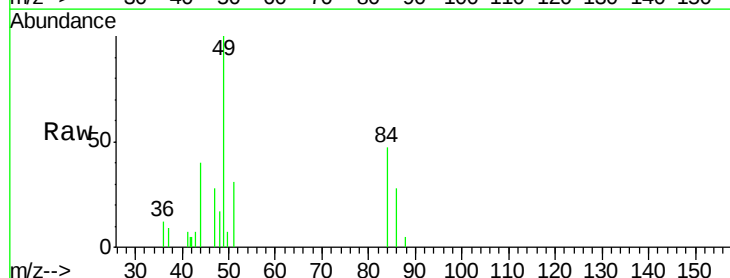
Ion Ratio Lower Upper

84 100

49 214.5 145.0 217.6

51 65.7 42.9 64.3#

86 59.2 50.1 75.1



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.07

3.07

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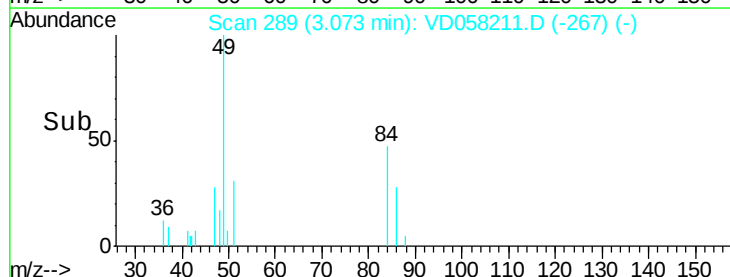
3.07

3.07

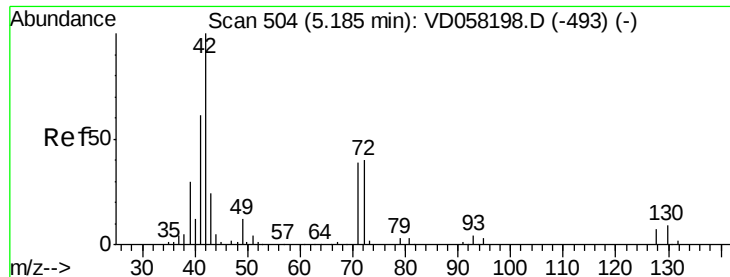
3.07

3.07

3.07



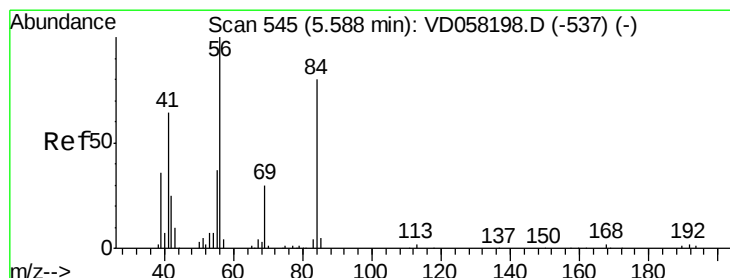
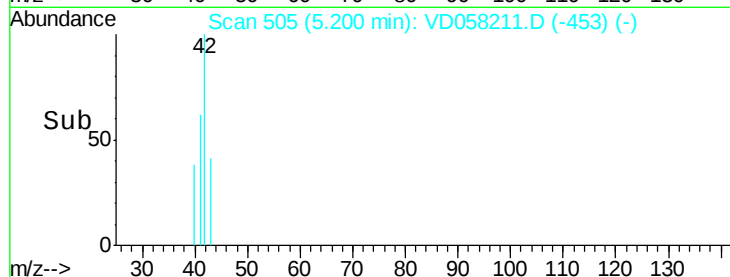
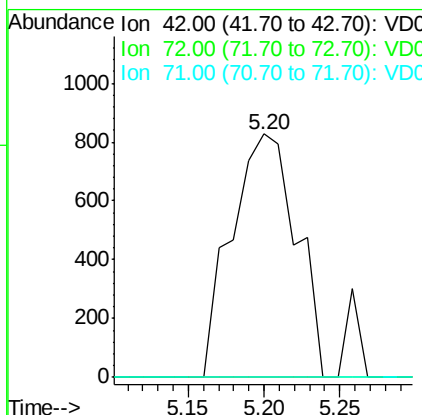
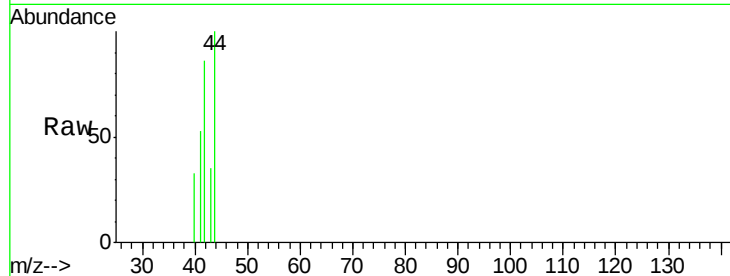
Time-->



#29
Tetrahydrofuran
Concen: 2.278 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

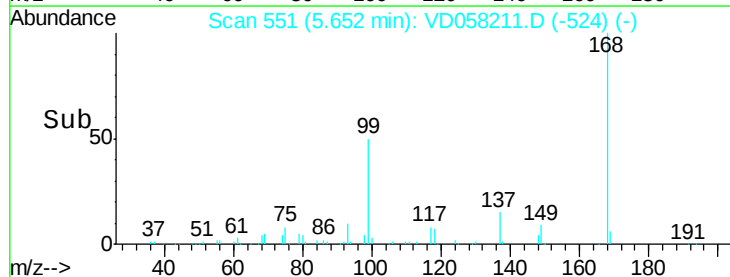
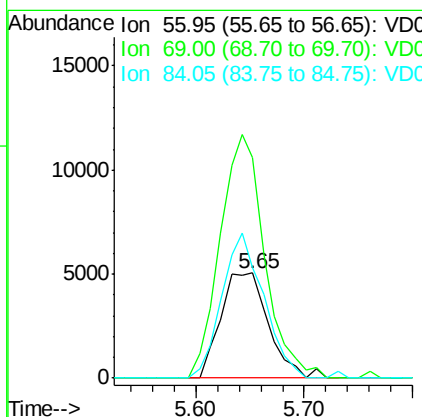
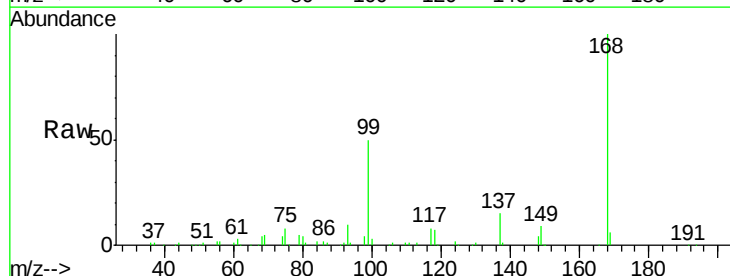
Instrument :
MSVOA_D
ClientSampleId :
A-5(2.5)

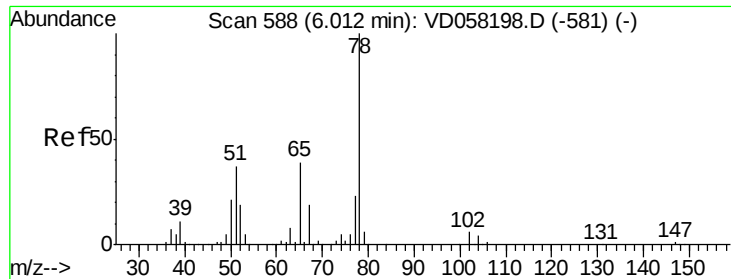
Tot Ion: 42 Resp: 2476
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.06 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 56 Resp: 15458
Ion Ratio Lower Upper
56 100
69 209.6 23.6 35.4#
84 105.2 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampled :

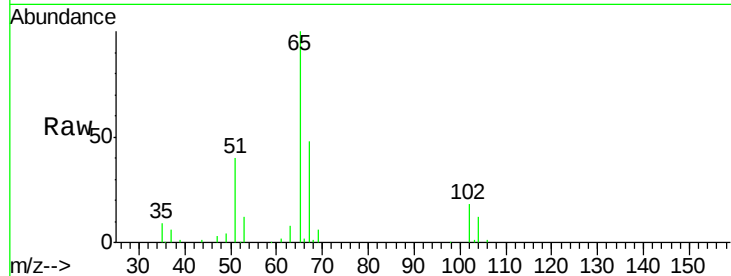
A-5(2.5)

Tot Ion: 65 Resp: 345588

Ion Ratio Lower Upper

65 100

67 48.2 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

150000

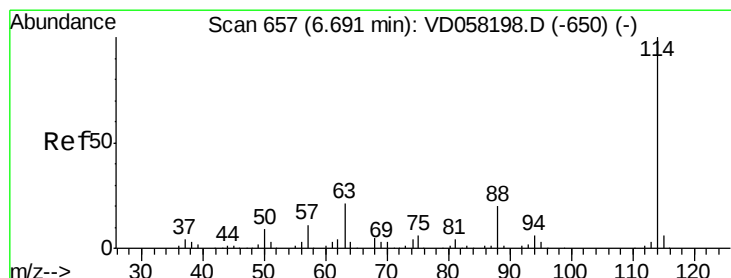
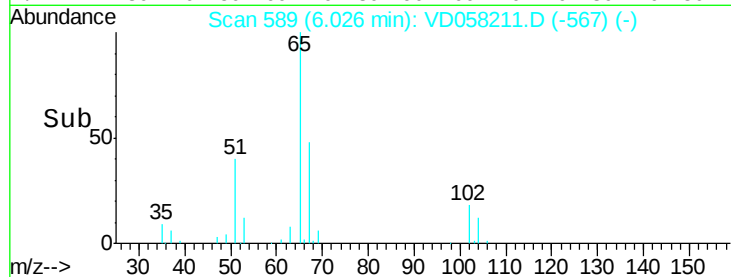
100000

50000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

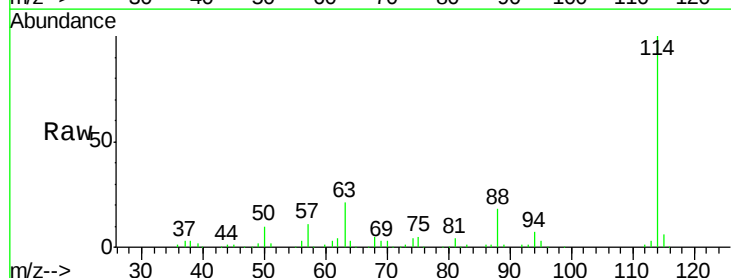
Tgt Ion: 114 Resp: 872654

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 18.3 0.0 40.6



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

6.70

400000

300000

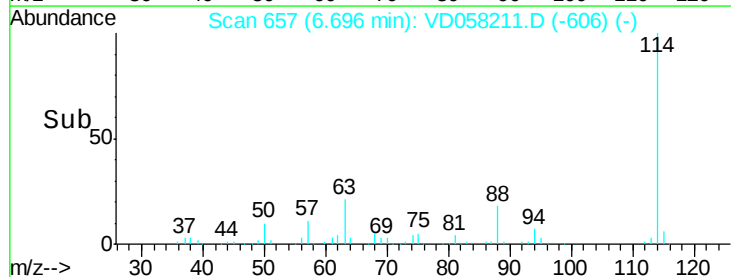
200000

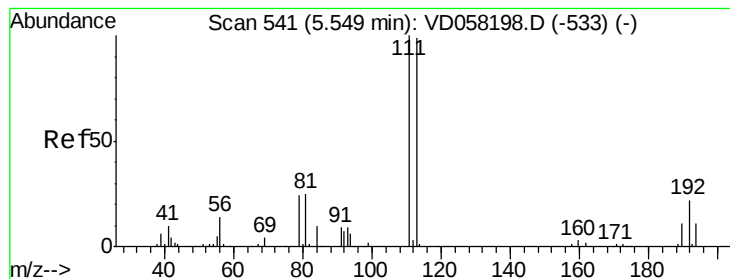
100000

0

6.60 6.80 7.00

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

Instrument :
MSVOA_D
ClientSampleId :
A-5(2.5)

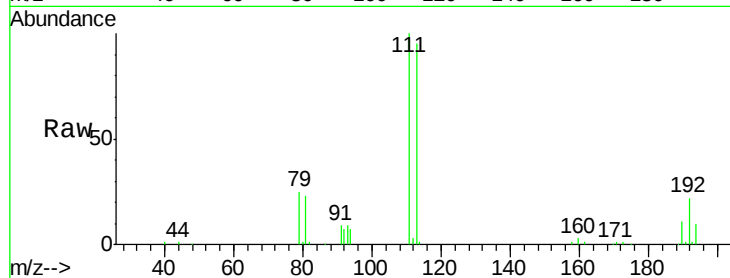
Tot Ion:113 Resp: 352684

Ion Ratio Lower Upper

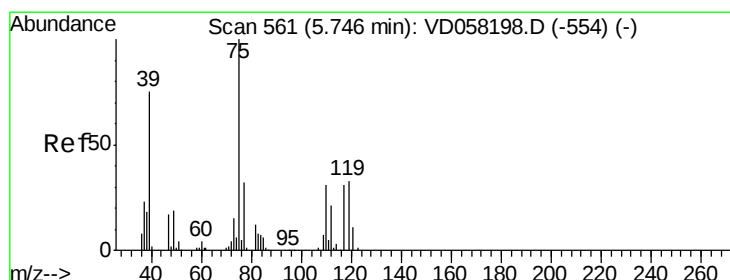
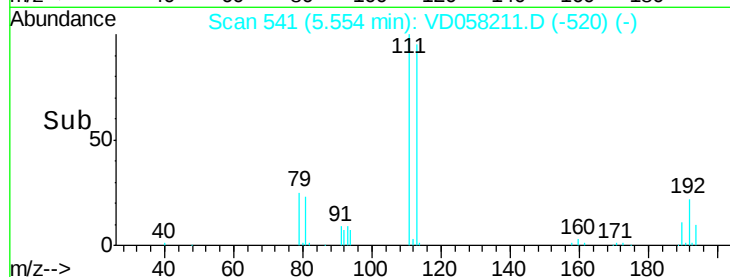
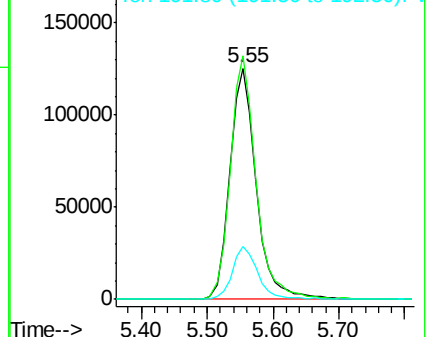
113 100

111 105.2 80.6 121.0

192 23.0 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: 6.049 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.10 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

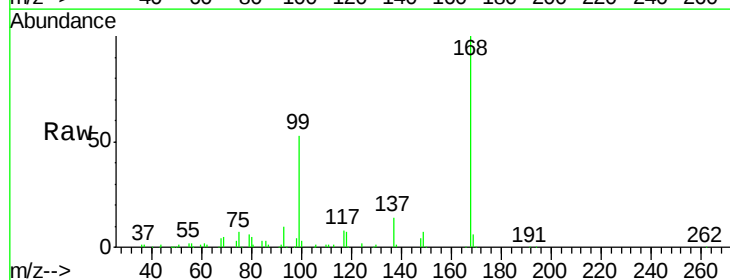
Tgt Ion: 75 Resp: 52223

Ion Ratio Lower Upper

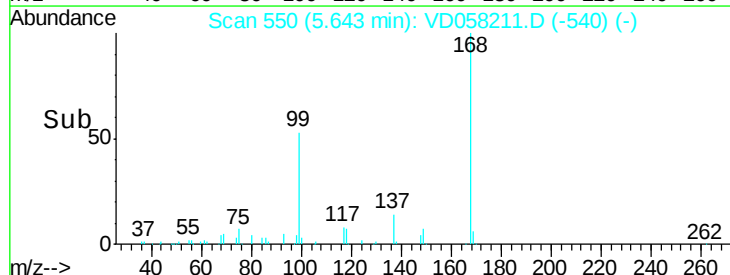
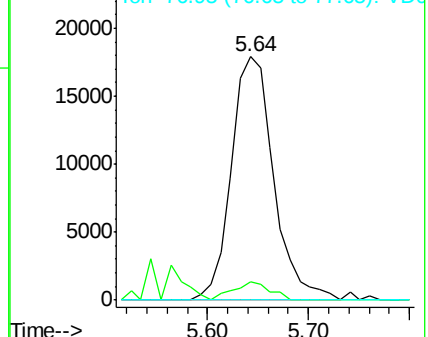
75 100

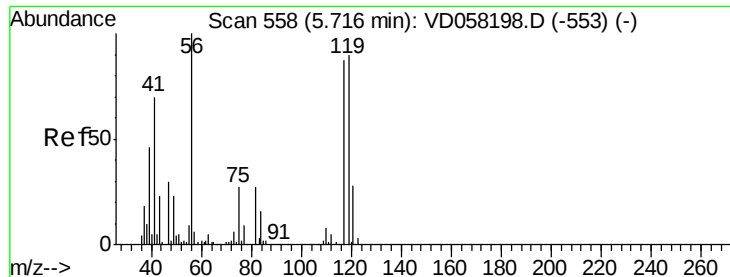
110 7.6 15.4 46.4#

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): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.491 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.07 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

A-5(2.5)

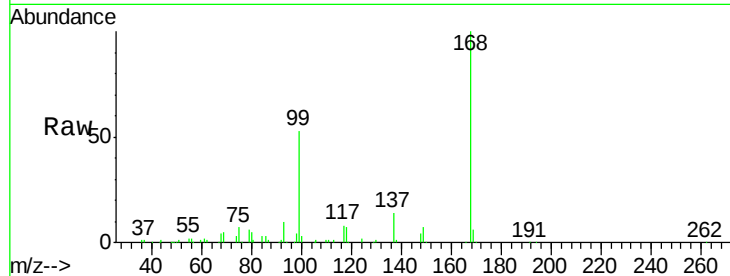
Tot Ion:117 Resp: 55674

Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

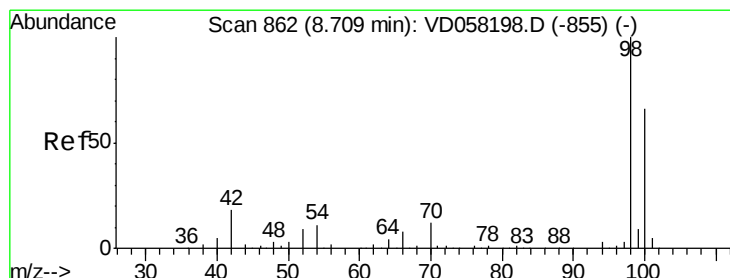
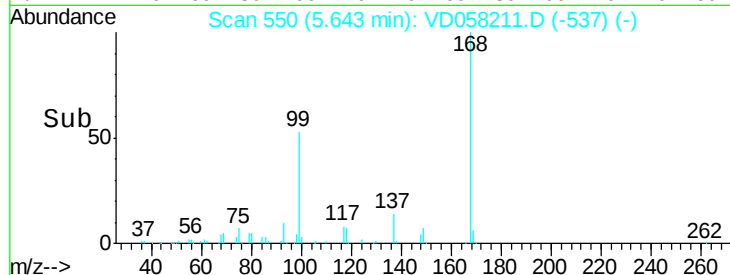
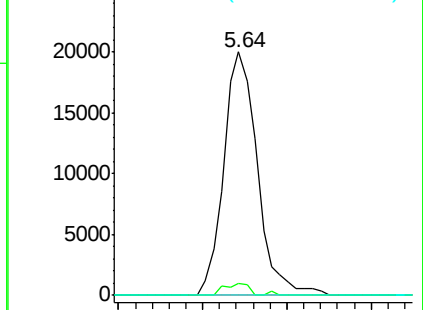
121 0.0 25.0 37.6#



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058211.D

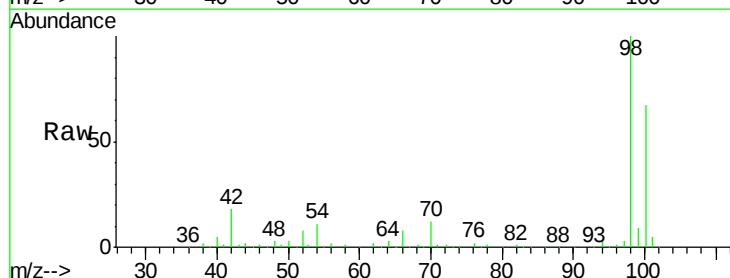
Acq: 20 Jun 2018 15:48

Tgt Ion: 98 Resp: 796937

Ion Ratio Lower Upper

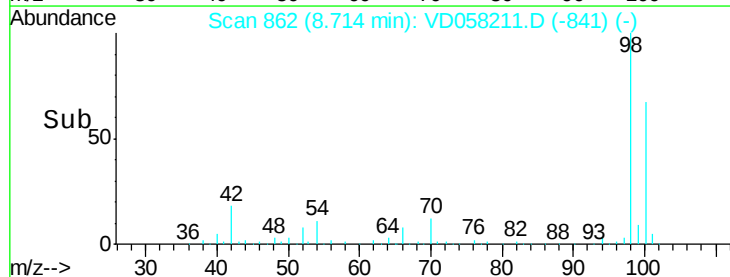
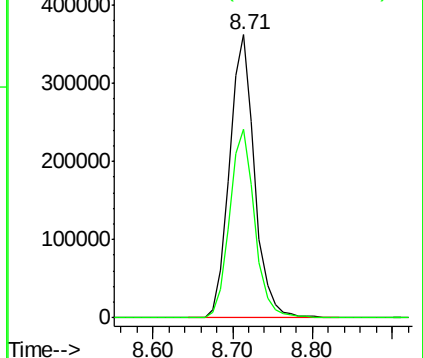
98 100

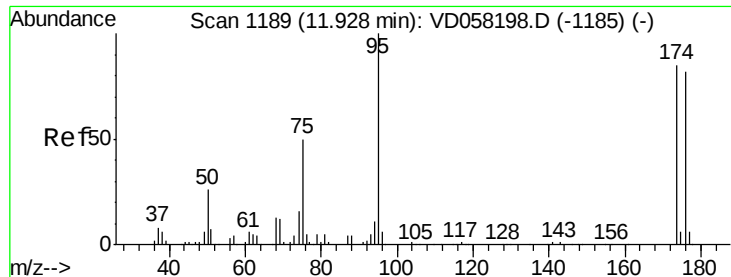
100 66.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

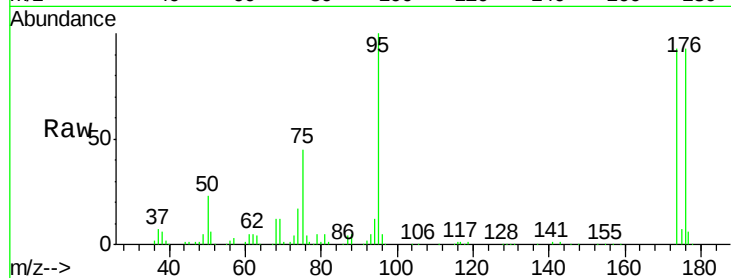




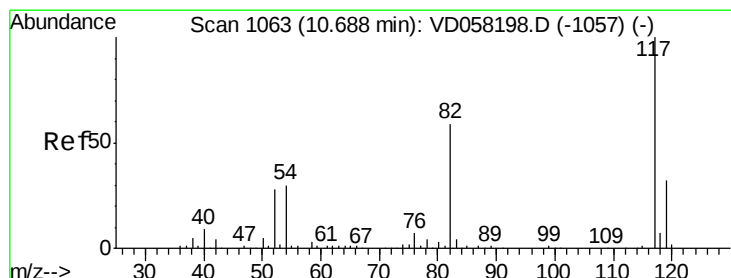
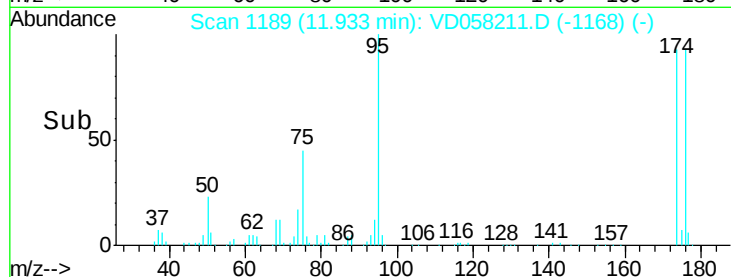
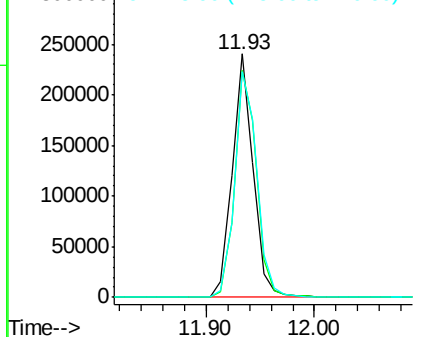
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Instrument :
MSVOA_D
ClientSampleId :
A-5(2.5)

Tot Ion: 95 Resp: 322658
Ion Ratio Lower Upper
95 100
174 93.2 0.0 170.2
176 92.7 0.0 164.6

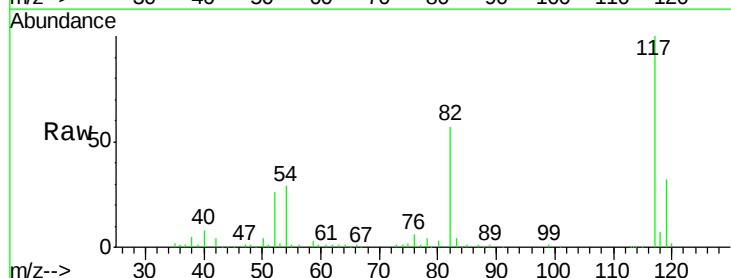


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

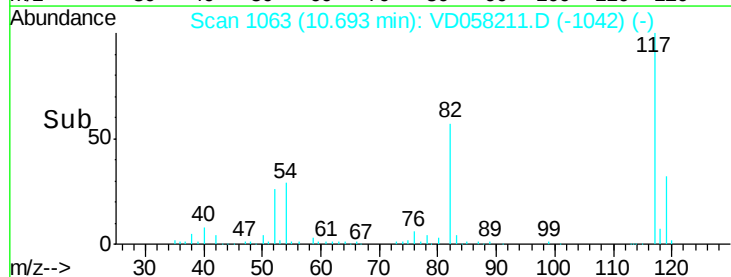
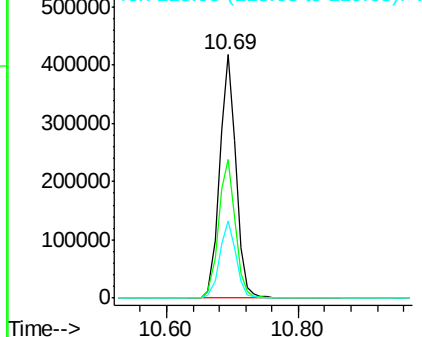


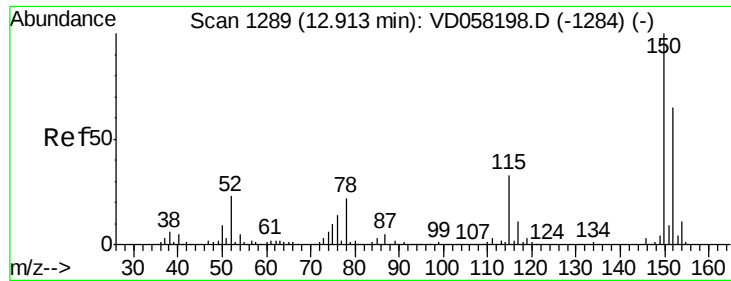
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 117 Resp: 717661
Ion Ratio Lower Upper
117 100
82 57.0 47.0 70.6
119 31.9 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. -0.00 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

A-5(2.5)

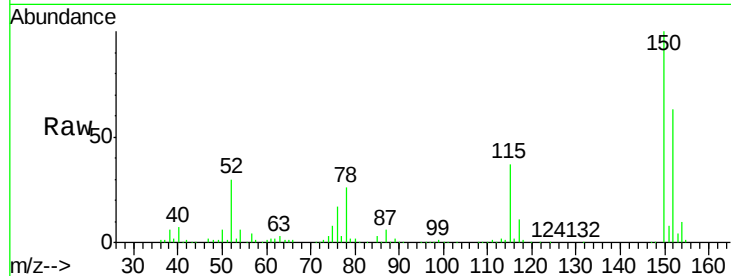
Tot Ion:152 Resp: 357544

Ion Ratio Lower Upper

152 100

115 59.3 25.1 75.3

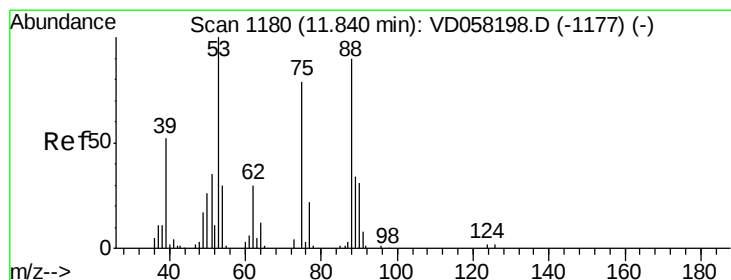
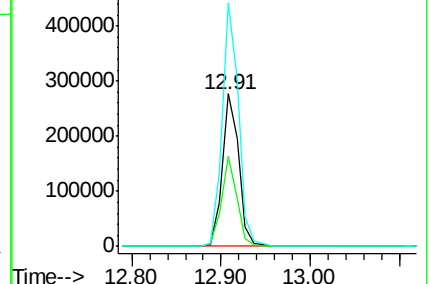
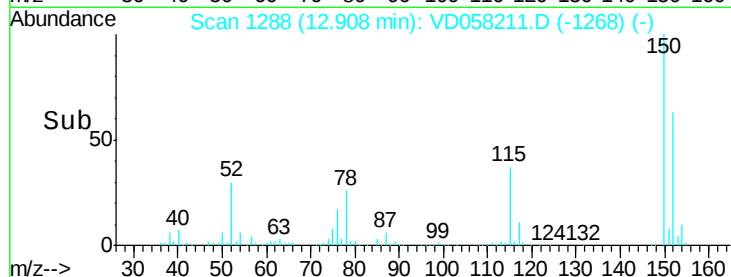
150 159.6 0.0 308.8



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: 117.763 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058211.D

Acq: 20 Jun 2018 15:48

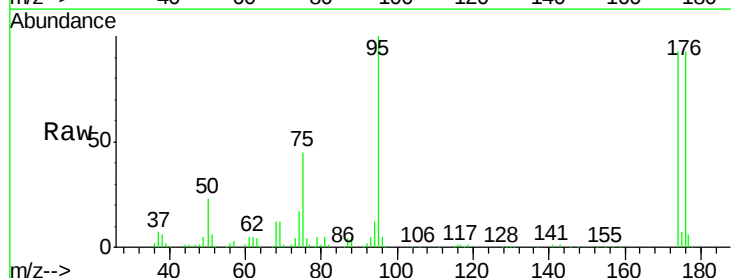
Tgt Ion: 75 Resp: 149933

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

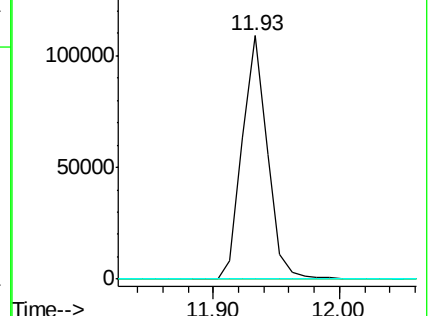
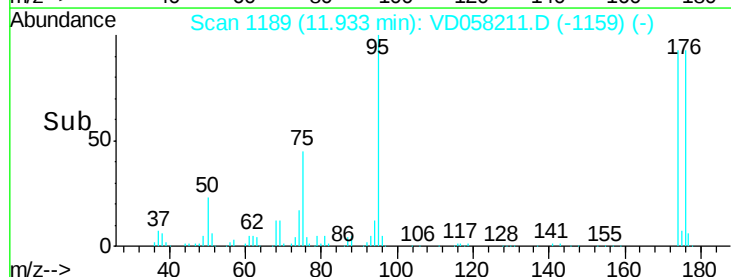
89 0.0 34.6 52.0#

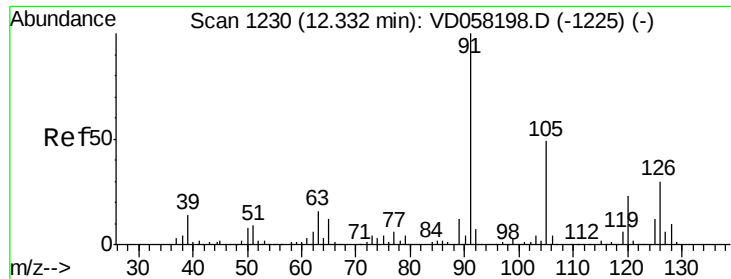


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.33 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058211.D
 Acq: 20 Jun 2018 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 A-5(2.5)

Tot Ion: 91 Resp: 829
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

