

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058192.D
 Acq On : 18 Jun 2018 20:28
 Operator : VA/AP
 Sample : VIBLK
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:51:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	730659	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	951067	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	790795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	421645	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	374320	51.24	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.48%	
35) Dibromofluoromethane	5.54	113	383651	52.14	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.28%	
50) Toluene-d8	8.70	98	836816	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.93	95	377484	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	

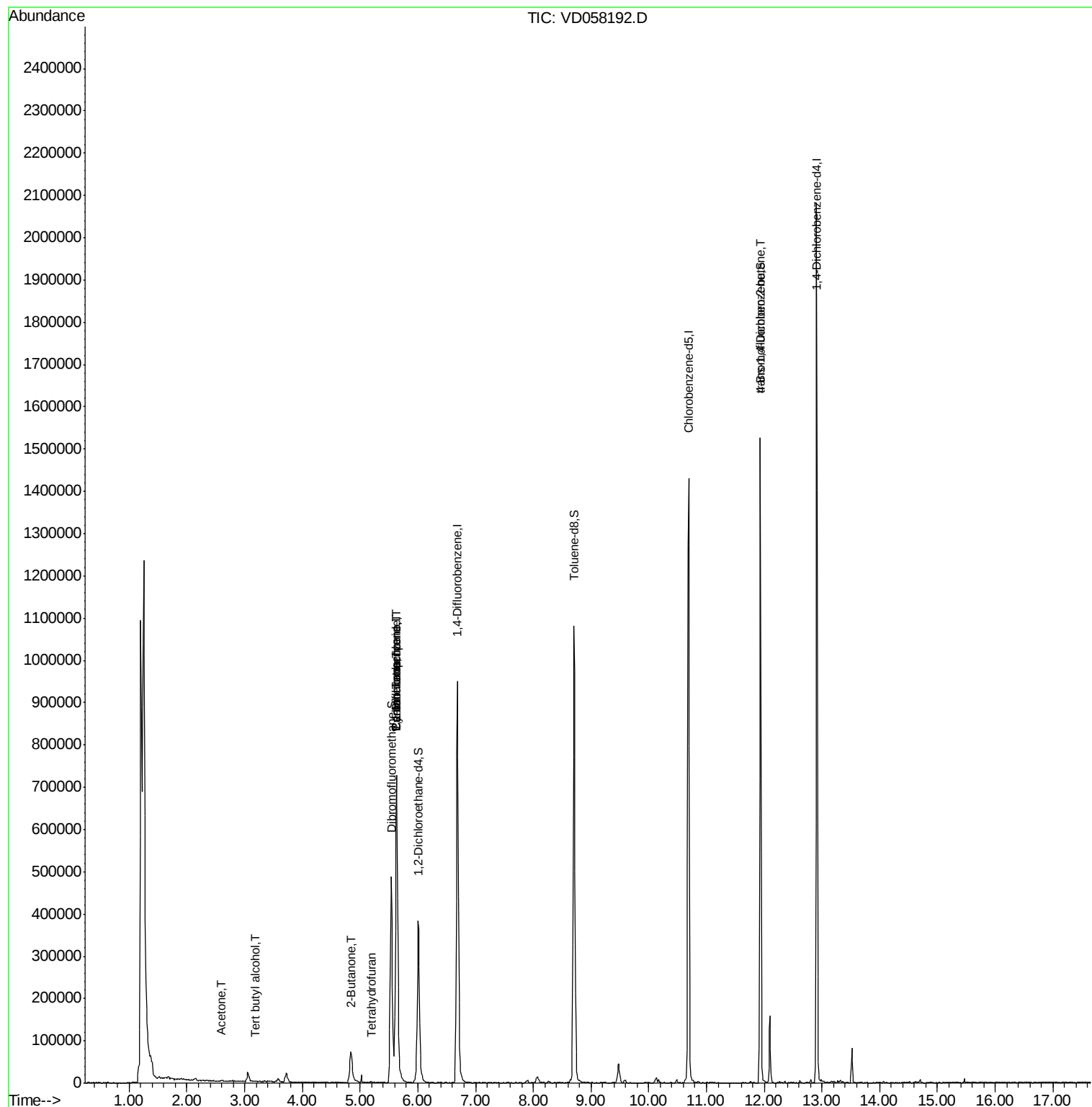
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.19	59	246	1.257	ug/l #	74
16) Acetone	2.59	43	5494	5.220	ug/l #	57
20) Methylene Chloride	3.05	84	8592	Below Cal	#	88
25) 2-Butanone	4.83	43	7466	3.122	ug/l #	64
29) Tetrahydrofuran	5.19	42	2019	1.610	ug/l #	60
31) Cyclohexane	5.63	56	15479	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	59768	5.704	ug/l #	52
38) Carbon Tetrachloride	5.64	117	59016	5.715	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	186633	118.968	ug/l #	6
82) 4-Chlorotoluene	12.16	91	588	Below Cal	#	50
89) n-Butylbenzene	13.20	91	196	Below Cal	#	30

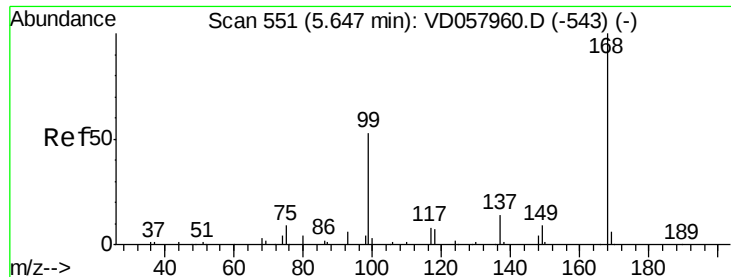
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
Data File : VD058192.D
Acq On : 18 Jun 2018 20:28
Operator : VA/AP
Sample : VIBLK
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 19 05:51:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

Instrument :

MSVOA_D

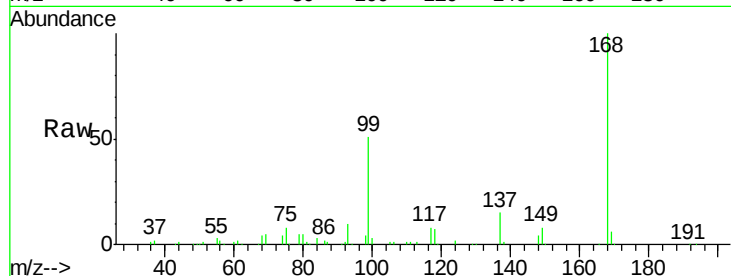
ClientSampleId :

Tot Ion:168 Resp: 730659

Ion Ratio Lower Upper

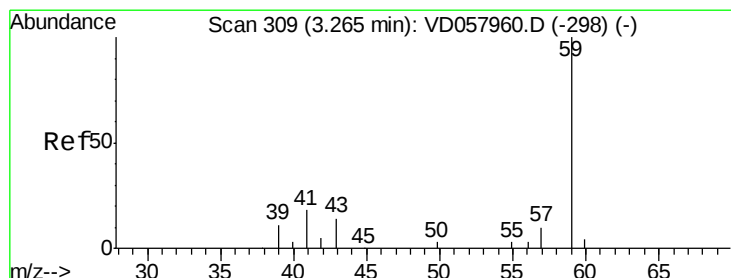
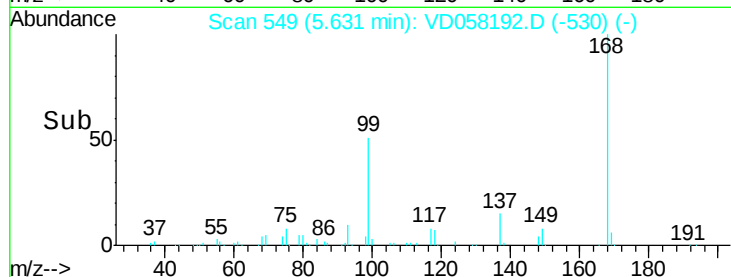
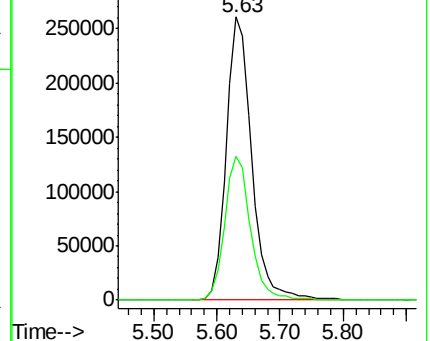
168 100

99 50.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.257 ug/l

RT: 3.19 min Scan# 301

Delta R.T. -0.08 min

Lab File: VD058192.D

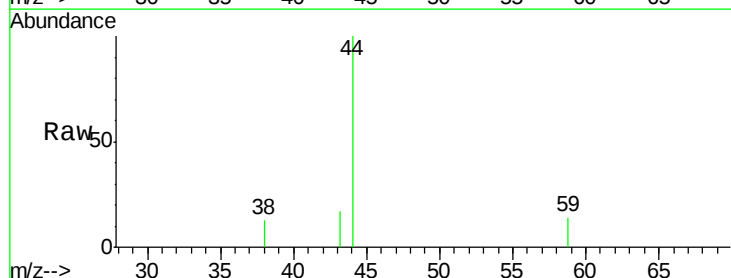
Acq: 18 Jun 2018 20:28

Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

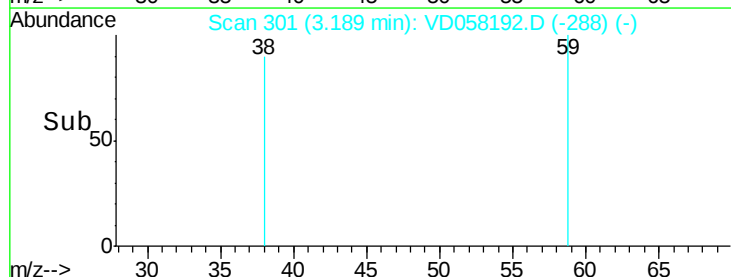
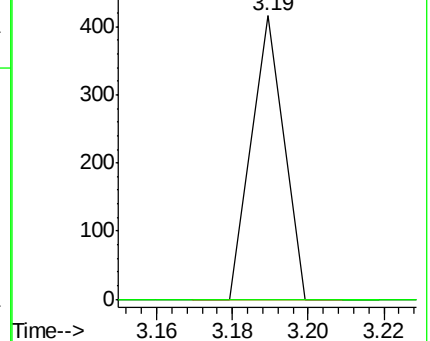
59 100

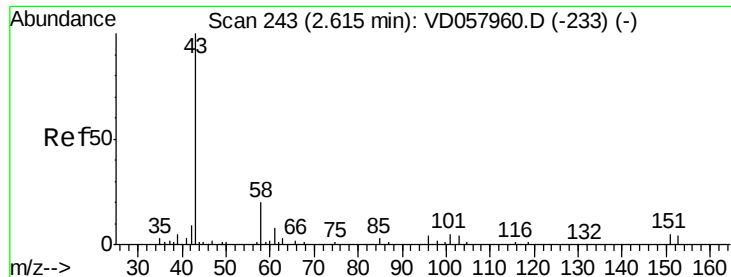
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 5.220 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.03 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

Instrument :

MSVOA_D

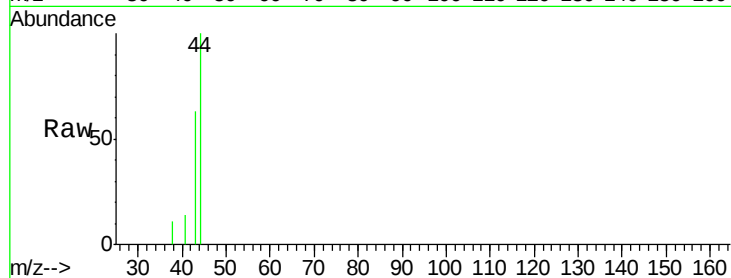
ClientSampled :

Tot Ion: 43 Resp: 5494

Ion Ratio Lower Upper

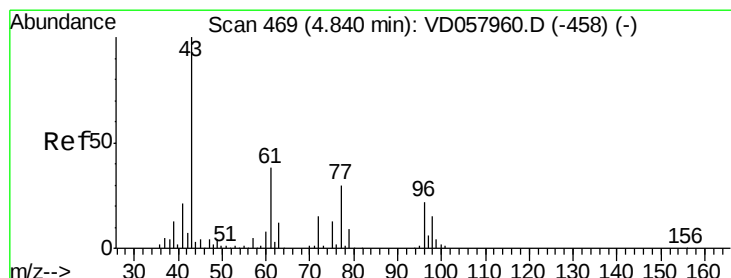
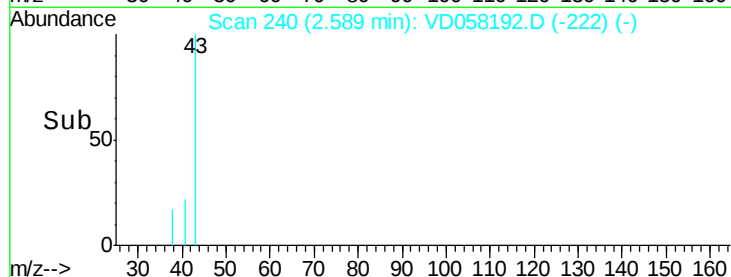
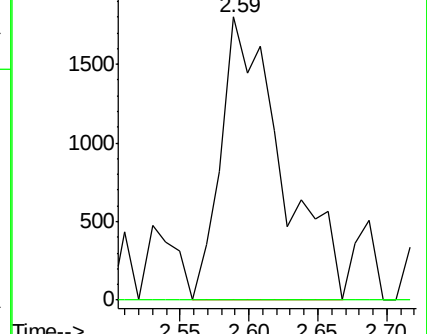
43 100

58 0.0 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 3.122 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058192.D

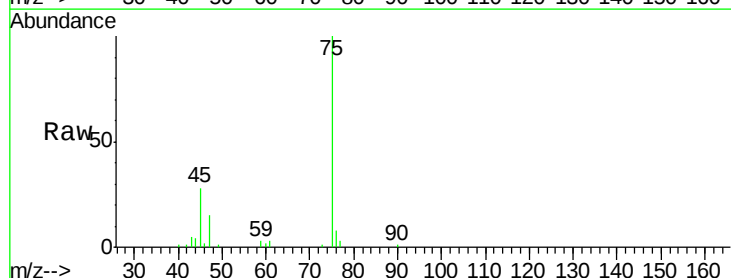
Acq: 18 Jun 2018 20:28

Tgt Ion: 43 Resp: 7466

Ion Ratio Lower Upper

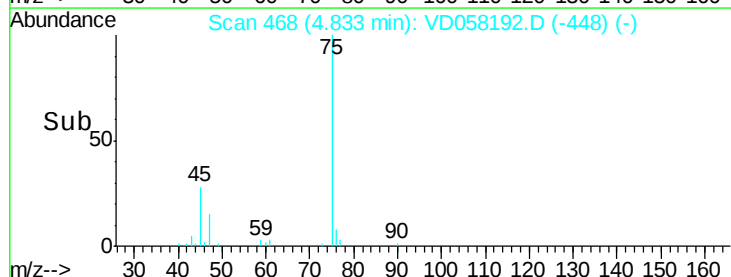
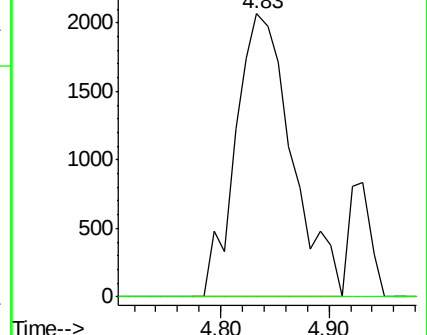
43 100

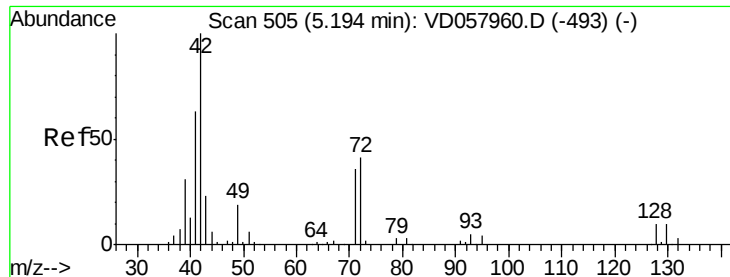
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

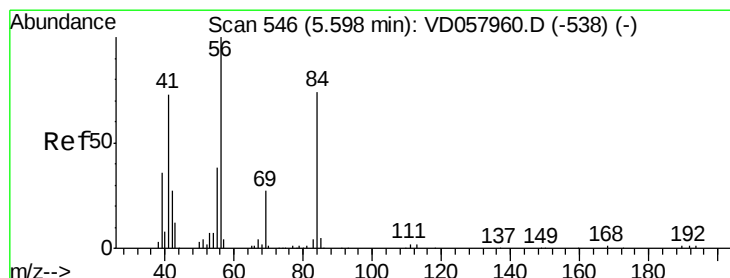
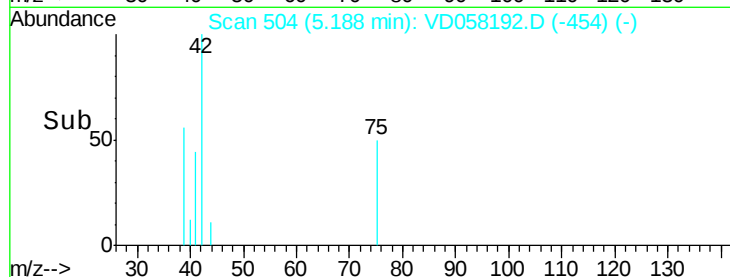
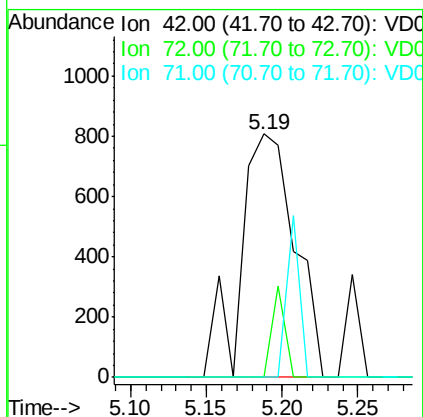
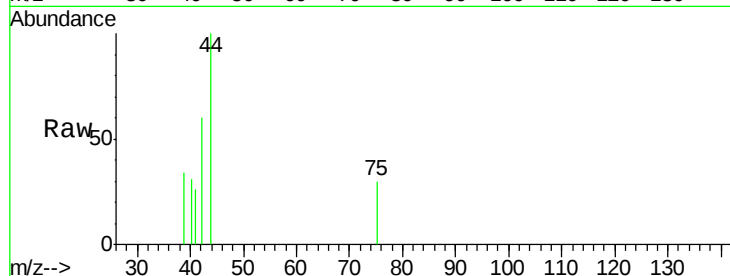




#29
Tetrahydrofuran
Concen: 1.610 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058192.D
Acq: 18 Jun 2018 20:28

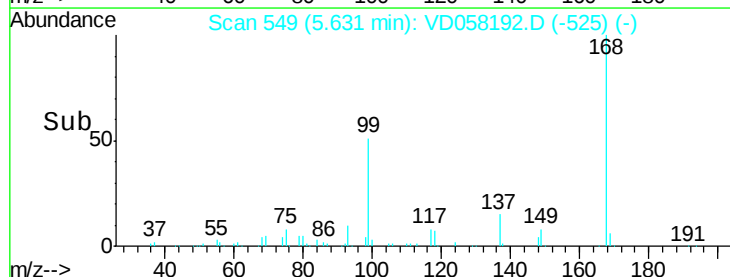
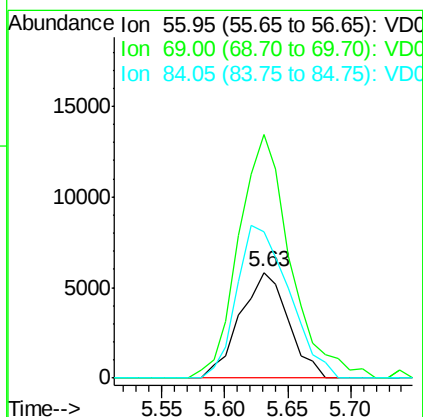
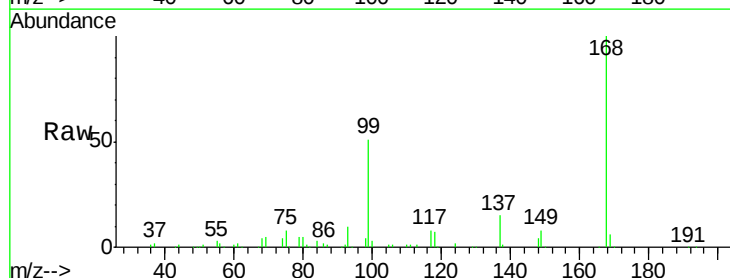
Instrument :
MSVOA_D
ClientSampleId :

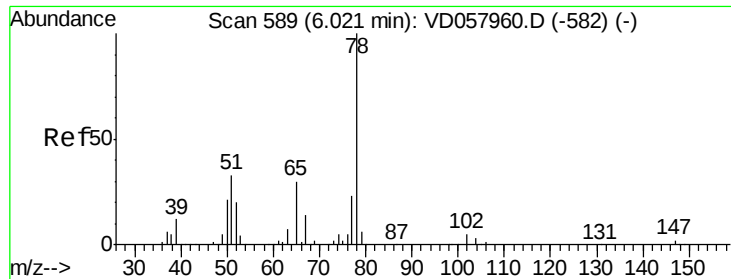
Tot Ion: 42 Resp: 2019
Ion Ratio Lower Upper
42 100
72 8.8 28.5 42.7#
71 15.7 27.9 41.9#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058192.D
Acq: 18 Jun 2018 20:28

Tgt Ion: 56 Resp: 15479
Ion Ratio Lower Upper
56 100
69 230.4 21.5 32.3#
84 139.0 61.0 91.6#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

Instrument :

MSVOA_D

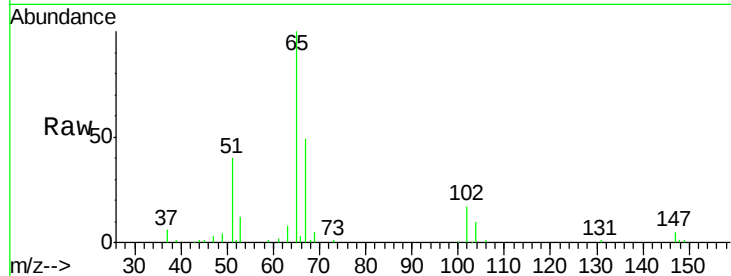
ClientSampleId :

Tot Ion: 65 Resp: 374320

Ion Ratio Lower Upper

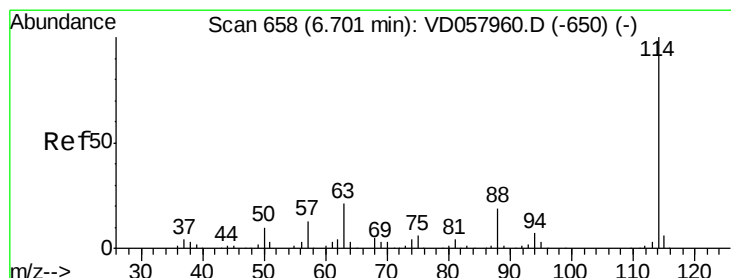
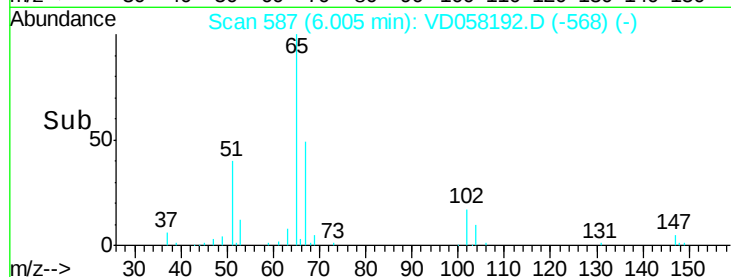
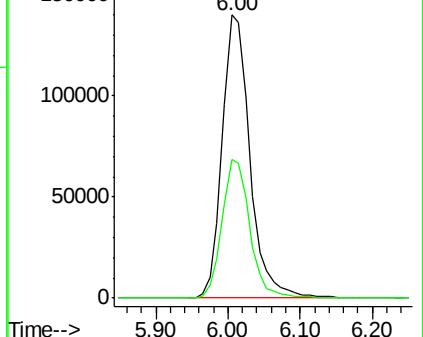
65 100

67 49.1 0.0 94.0



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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

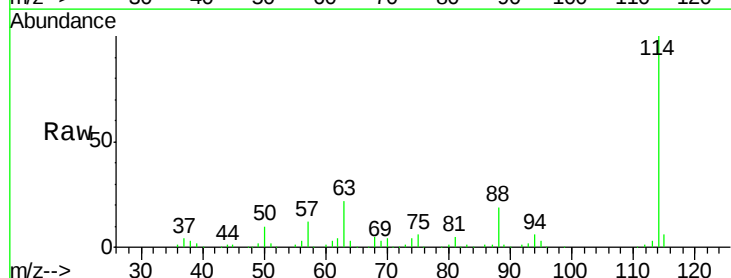
Tgt Ion: 114 Resp: 951067

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.8

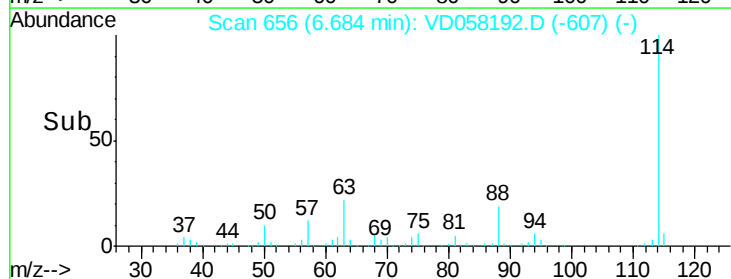
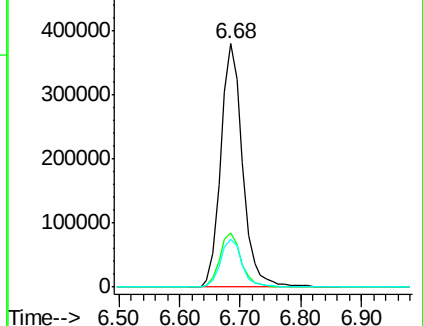
88 19.4 0.0 37.8

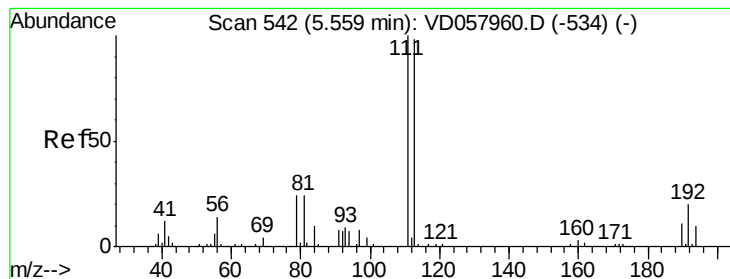


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

Instrument :
MSVOA_D
ClientSampleId :

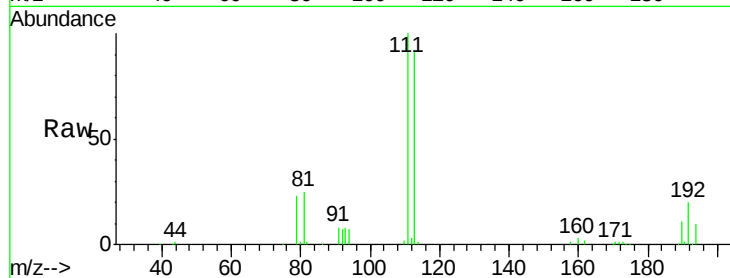
Tot Ion:113 Resp: 383651

Ion Ratio Lower Upper

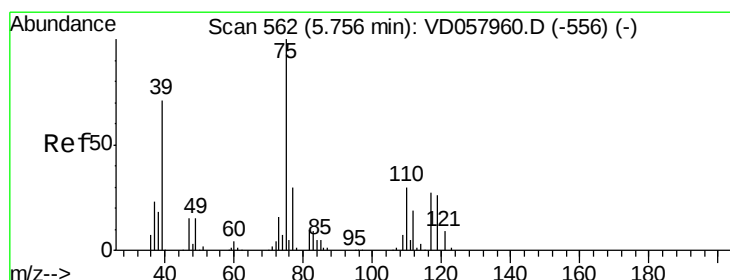
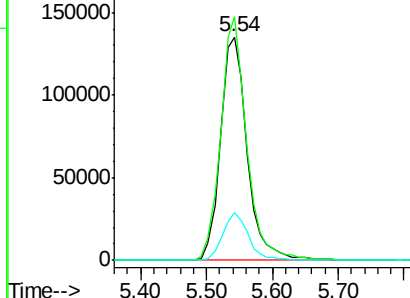
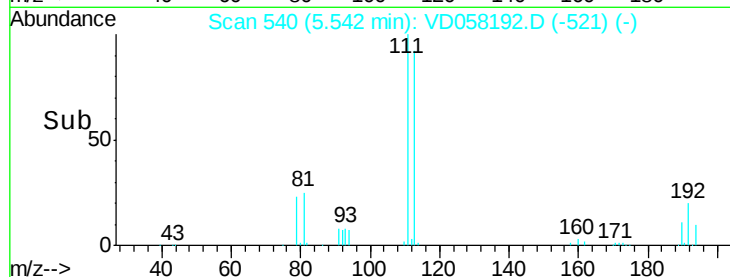
113 100

111 109.1 81.5 122.3

192 21.4 16.4 24.6



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: 5.704 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

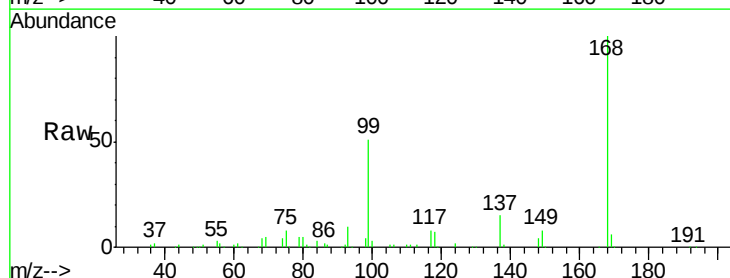
Tgt Ion: 75 Resp: 59768

Ion Ratio Lower Upper

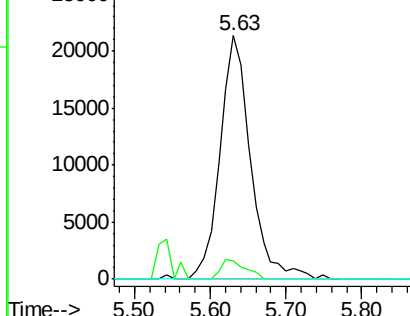
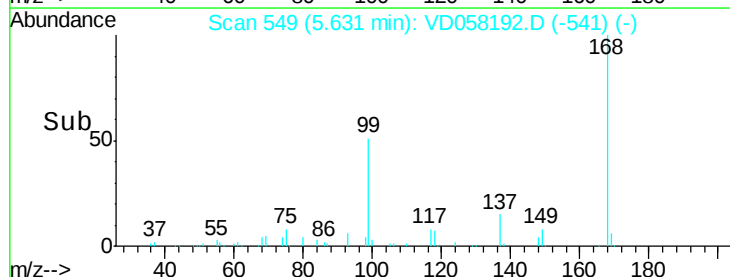
75 100

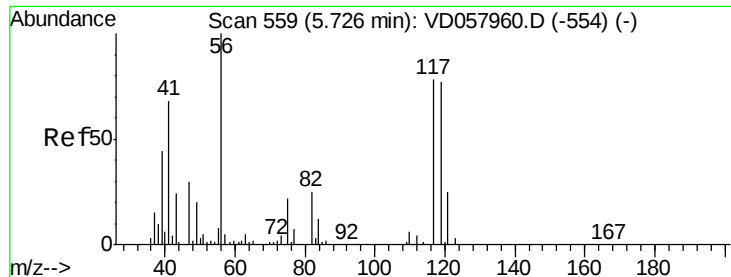
110 7.7 14.8 44.3#

77 0.0 23.9 35.9#



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: 5.715 ug/l

RT: 5.64 min Scan# 550

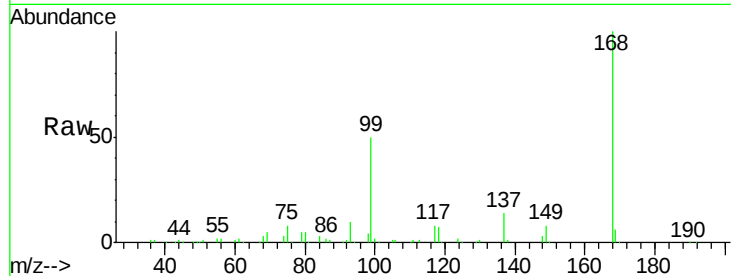
Delta R.T. -0.09 min

Lab File: VD058192.D

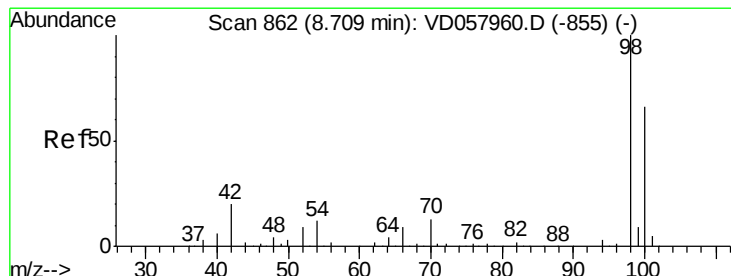
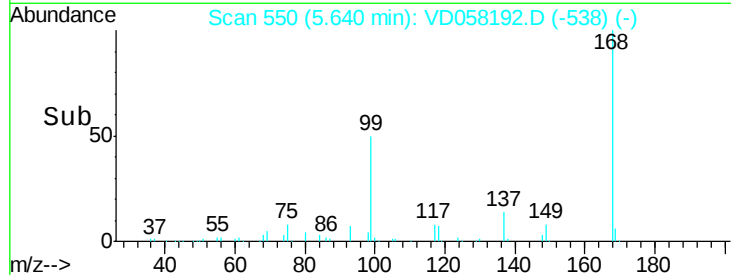
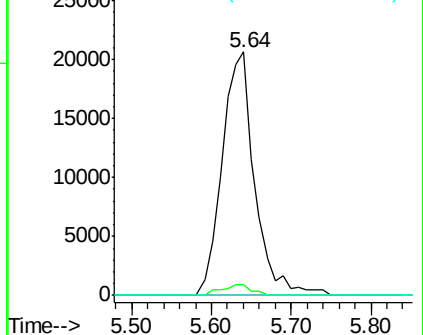
Acq: 18 Jun 2018 20:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 59016
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.9 37.3#



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

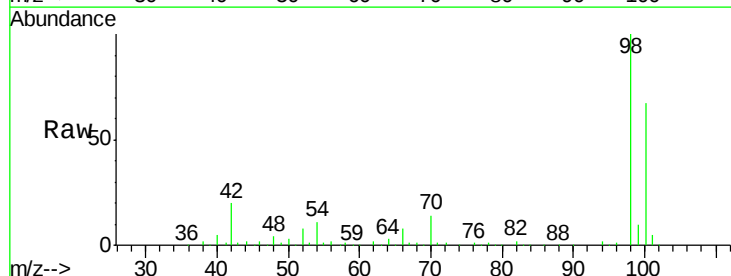
RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

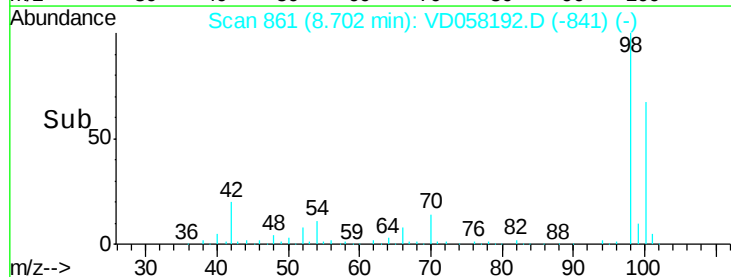
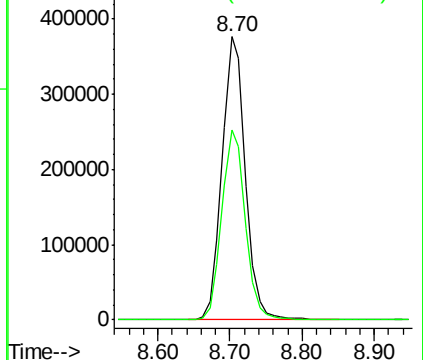
Lab File: VD058192.D

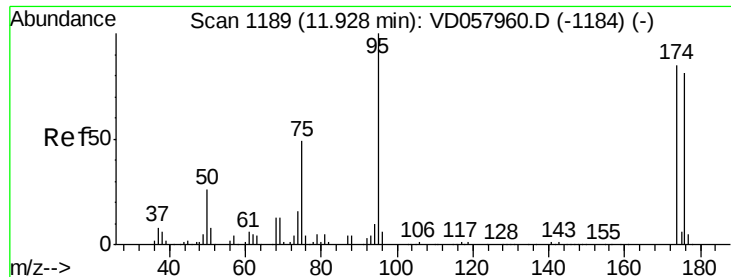
Acq: 18 Jun 2018 20:28

Tgt Ion: 98 Resp: 836816
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

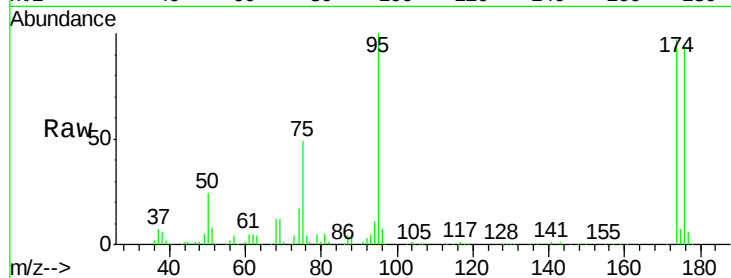
Tot Ion: 95 Resp: 377484

Ion Ratio Lower Upper

95 100

174 96.7 0.0 169.4

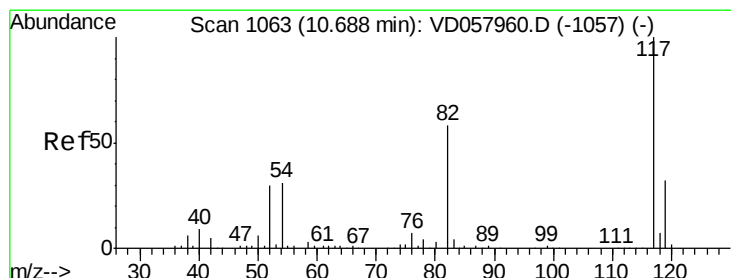
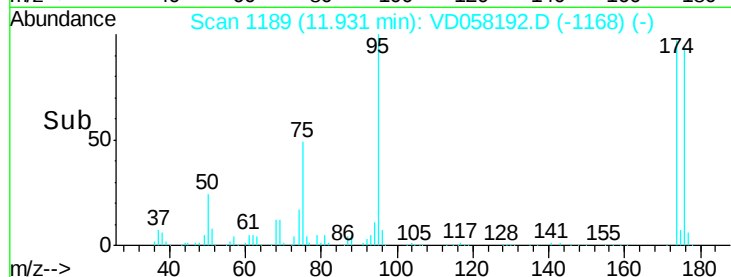
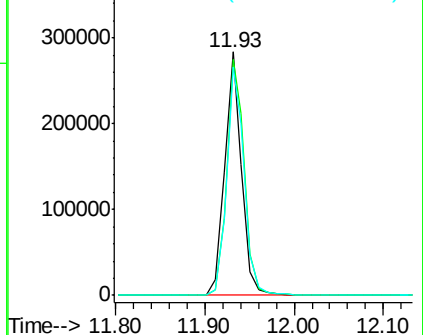
176 93.9 0.0 162.6



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: VD058192.D

Acq: 18 Jun 2018 20:28

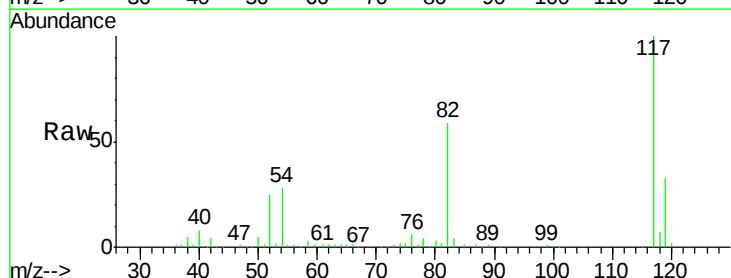
Tgt Ion: 117 Resp: 790795

Ion Ratio Lower Upper

117 100

82 59.1 46.8 70.2

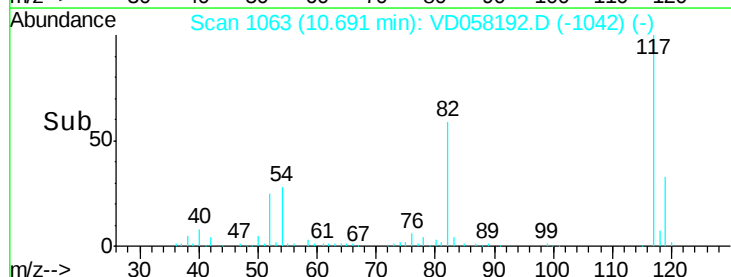
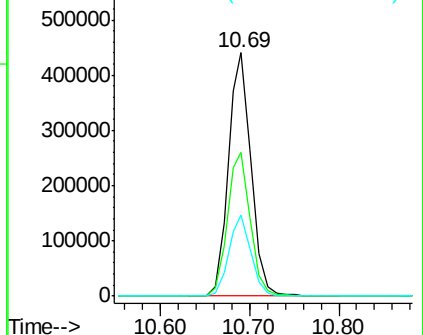
119 33.2 25.8 38.6

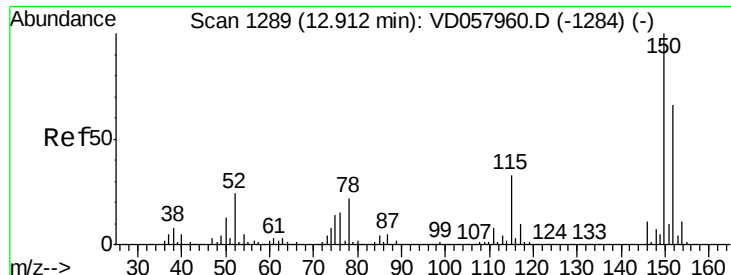


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD058192.D

Acq: 18 Jun 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

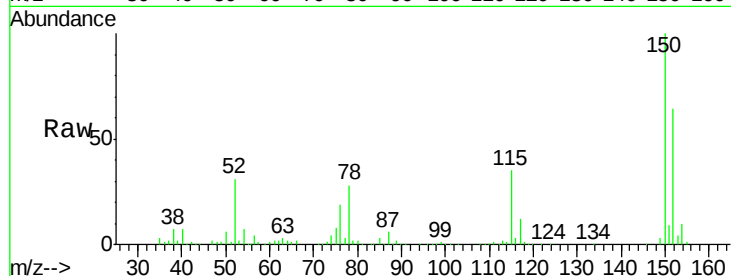
Tot Ion:152 Resp: 421645

Ion Ratio Lower Upper

152 100

115 54.3 25.6 76.6

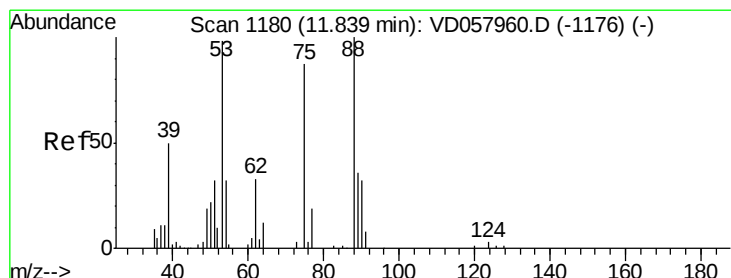
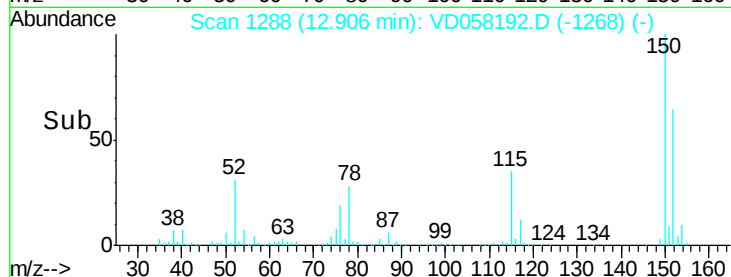
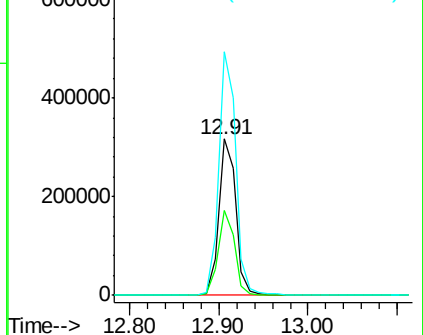
150 155.9 0.0 306.8



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: 118.968 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

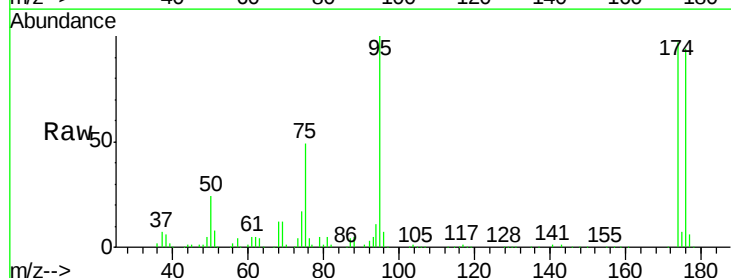
Tgt Ion: 75 Resp: 186633

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

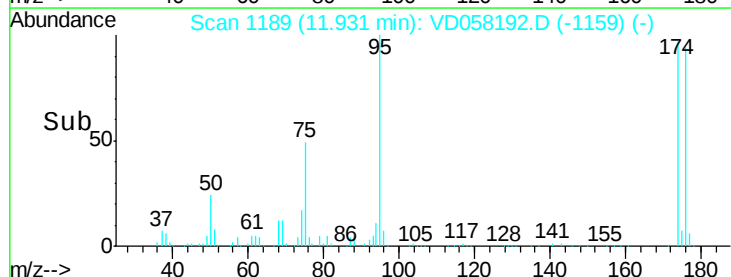
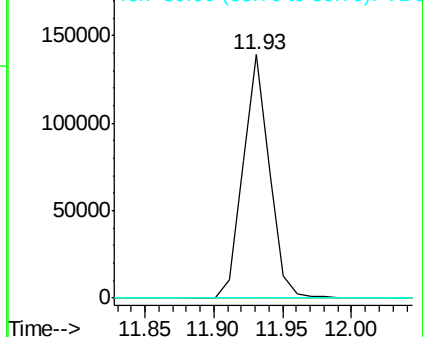
89 0.0 33.3 49.9#

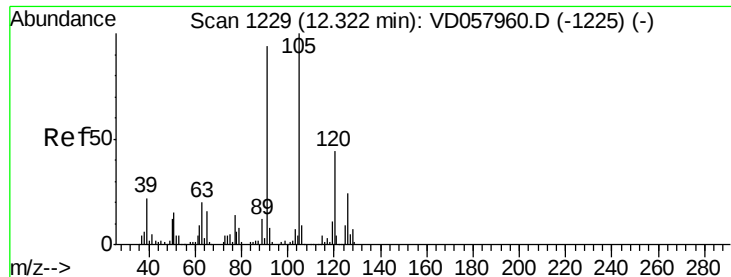


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.16 min Scan# 1212

Delta R.T. -0.16 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

Instrument :

MSVOA_D

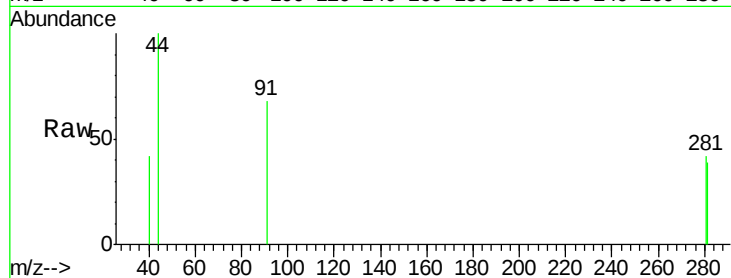
ClientSampleId :

Tot Ion: 91 Resp: 588

Ion Ratio Lower Upper

91 100

126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

12.16

500

400

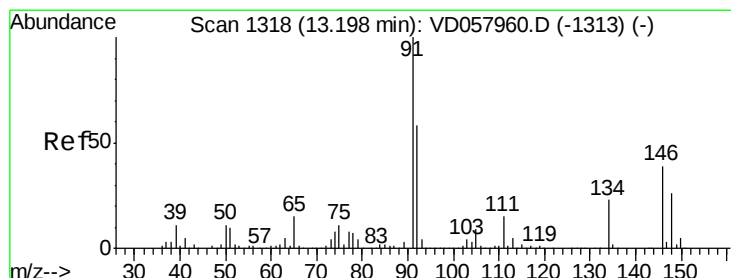
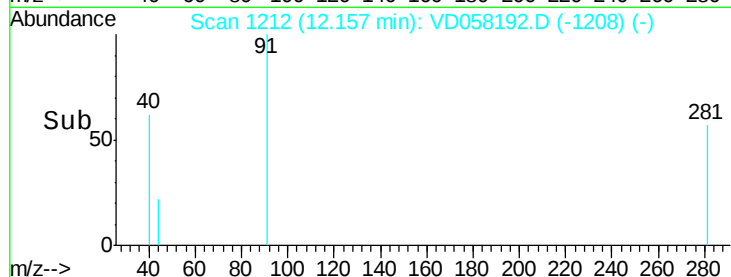
300

200

100

0

Time--> 12.12 12.14 12.16 12.18



#89

n-Butylbenzene

Concen: Below Cal

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058192.D

Acq: 18 Jun 2018 20:28

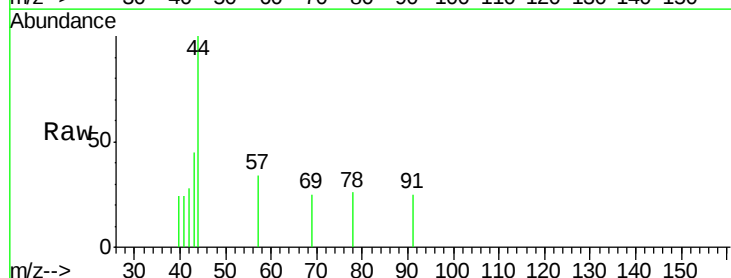
Tgt Ion: 91 Resp: 196

Ion Ratio Lower Upper

91 100

92 0.0 29.2 87.6#

134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

400

300

200

100

0

Time--> 13.18 13.20 13.22

