

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058130.D
 Acq On : 14 Jun 2018 12:27
 Operator : VA/AP
 Sample : VD0614SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:02:42 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	5.66	168	894392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1146505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	890783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	502574	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	414448	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	5.56	113	450605	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	8.72	98	1006495	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.94	95	445611	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

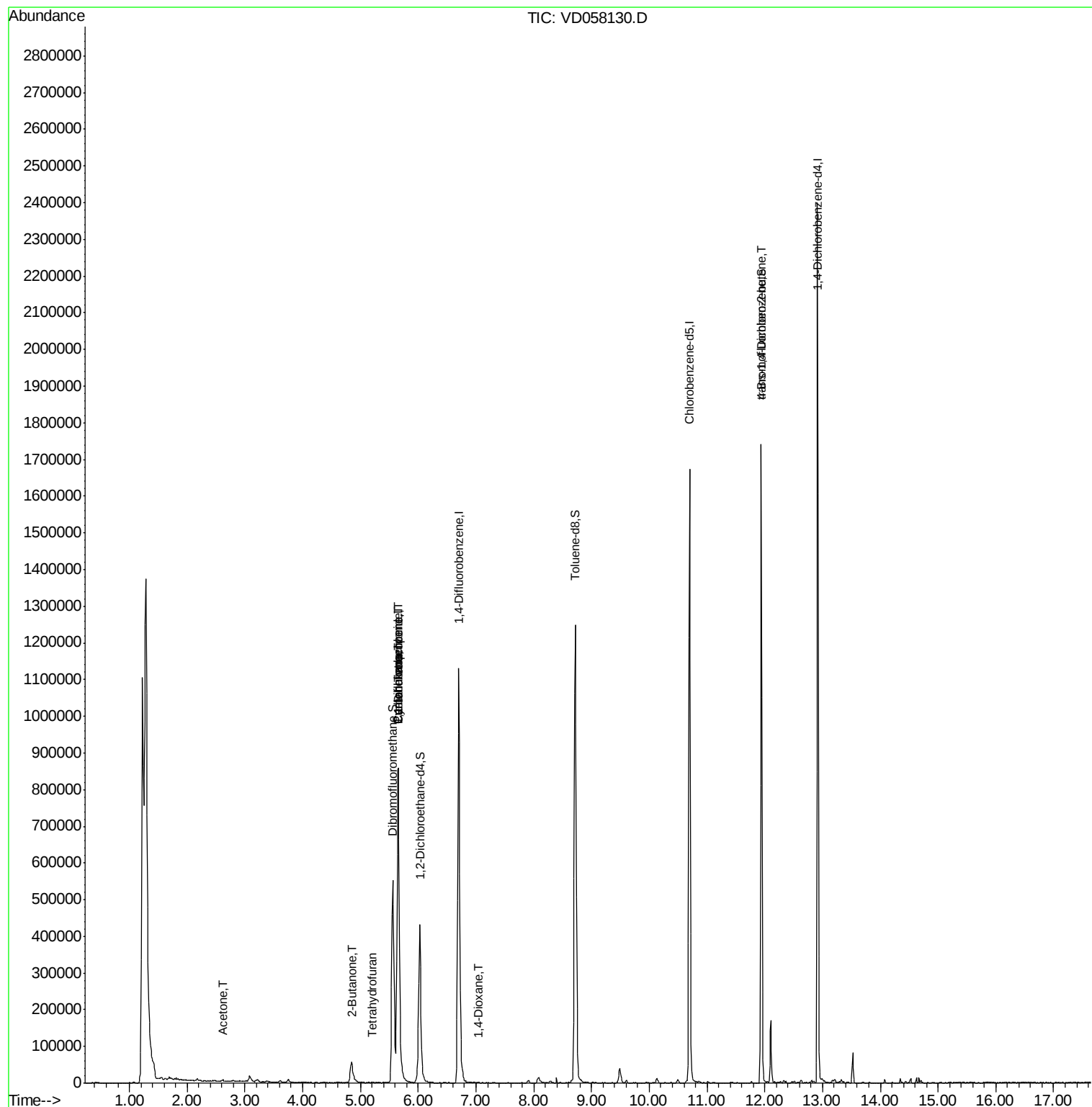
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.62	43	8182	6.351	ug/l	95
20) Methylene Chloride	3.09	84	6723	Below Cal	#	76
25) 2-Butanone	4.86	43	5802	1.982	ug/l #	64
29) Tetrahydrofuran	5.19	42	1884	1.228	ug/l #	48
31) Cyclohexane	5.65	56	22006	1.415	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	75520	5.979	ug/l #	50
38) Carbon Tetrachloride	5.65	117	75202	6.041	ug/l #	15
49) 1,4-Dioxane	7.04	88	178	3.867	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.94	75	219924	117.615	ug/l #	6
82) 4-Chlorotoluene	12.33	91	2406	Below Cal		99
89) n-Butylbenzene	13.21	91	2197	Below Cal		93

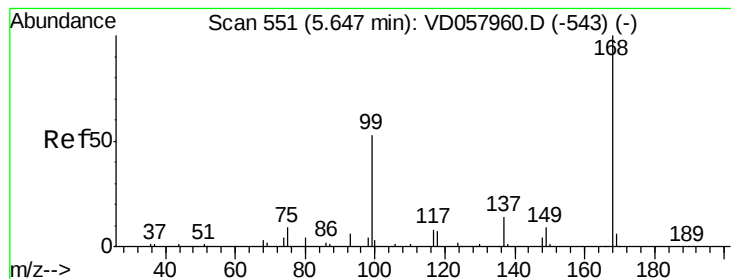
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061418\
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Jun 15 06:02:42 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: 5.66 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

Instrument :

MSVOA_D

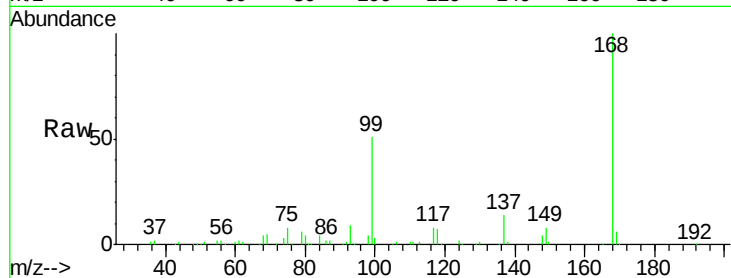
ClientSampleId :

Tot Ion:168 Resp: 894392

Ion Ratio Lower Upper

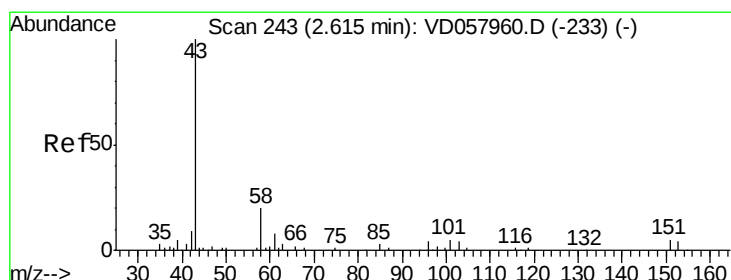
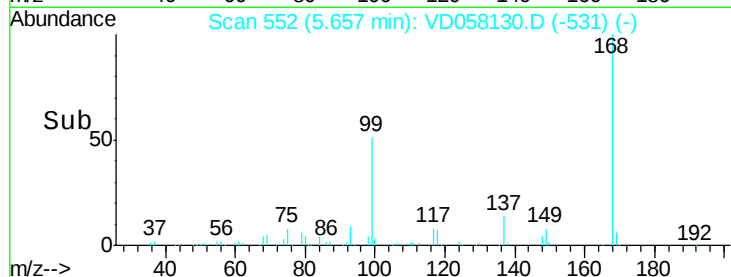
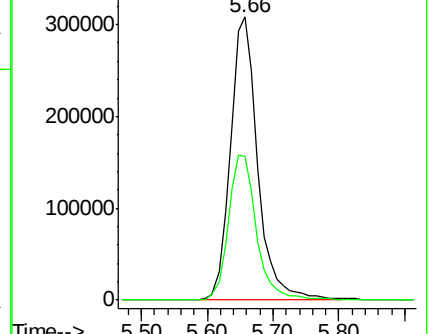
168 100

99 50.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 6.351 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD058130.D

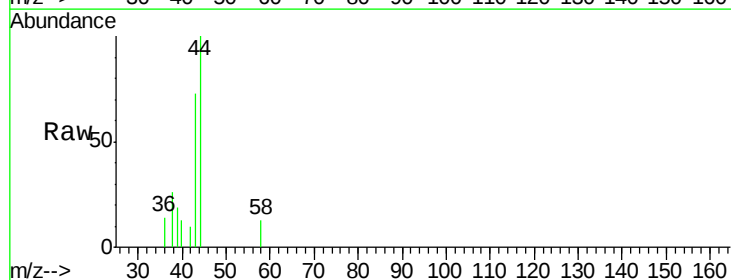
Acq: 14 Jun 2018 12:27

Tgt Ion: 43 Resp: 8182

Ion Ratio Lower Upper

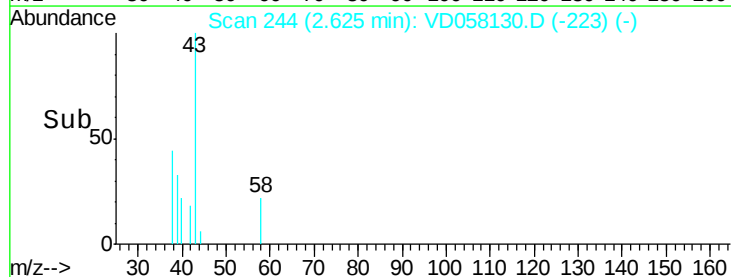
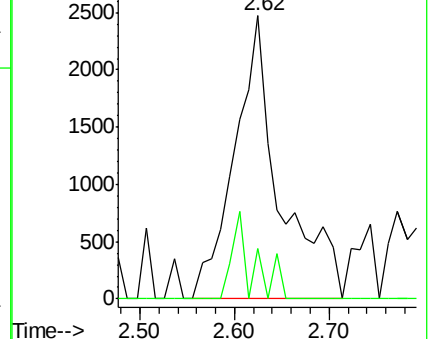
43 100

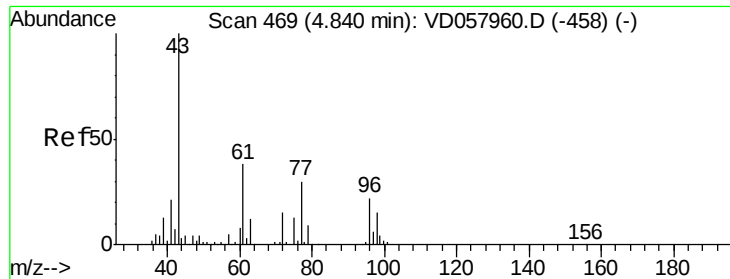
58 17.7 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 1.982 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

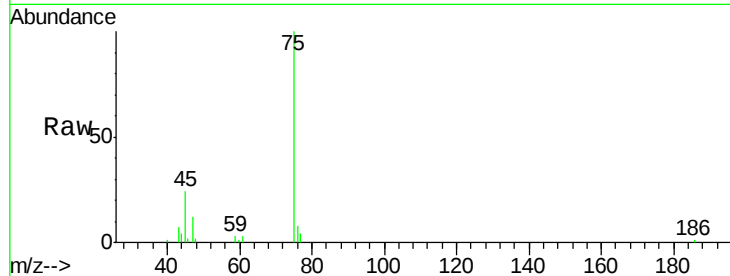
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5802

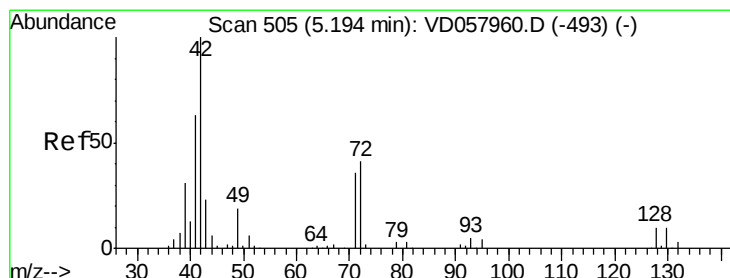
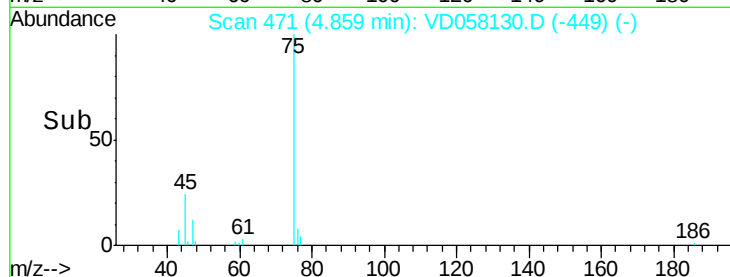
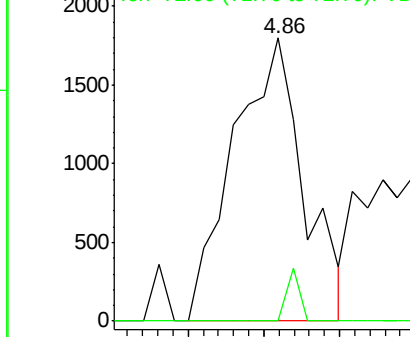
Ion Ratio Lower Upper

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: 1.228 ug/l

RT: 5.19 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

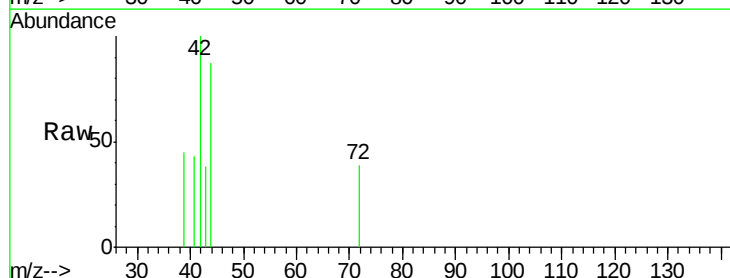
Tgt Ion: 42 Resp: 1884

Ion Ratio Lower Upper

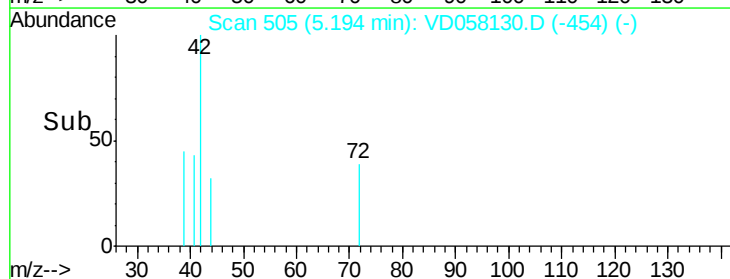
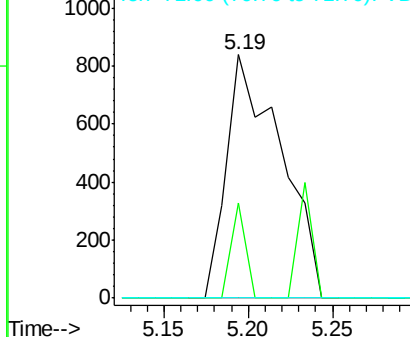
42 100

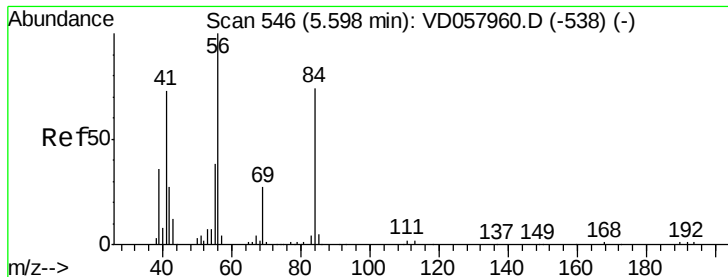
72 10.2 28.5 42.7#

71 0.0 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.415 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.05 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

Instrument :

MSVOA_D

ClientSampleId :

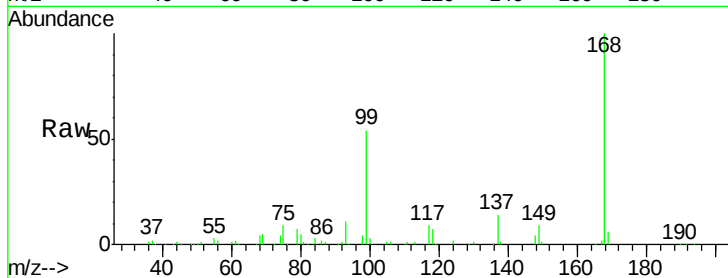
Tot Ion: 56 Resp: 22006

Ion Ratio Lower Upper

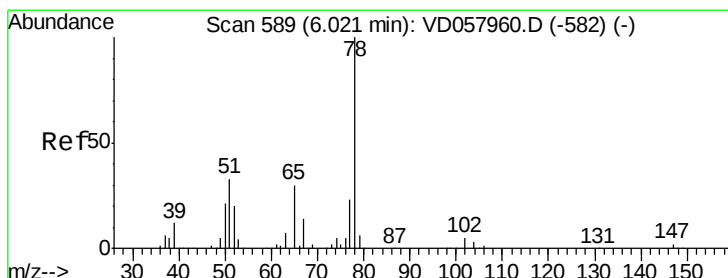
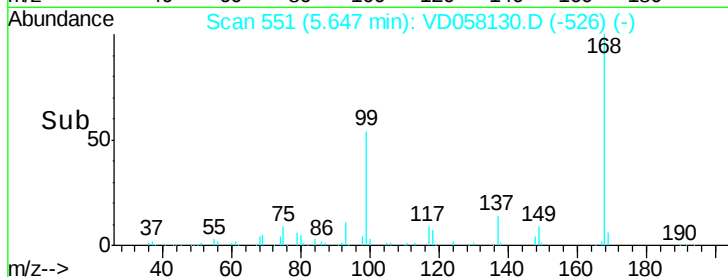
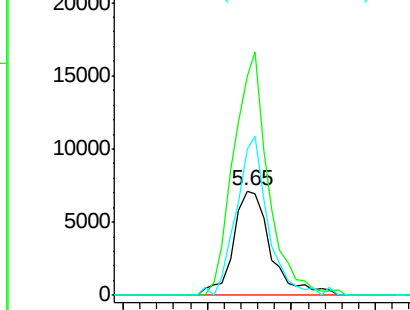
56 100

69 209.8 21.5 32.3#

84 140.4 61.0 91.6#



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. 0.01 min

Lab File: VD058130.D

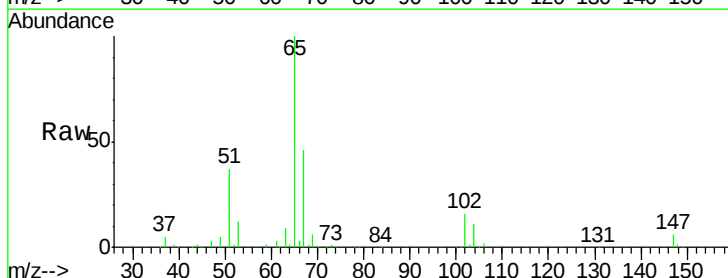
Acq: 14 Jun 2018 12:27

Tgt Ion: 65 Resp: 414448

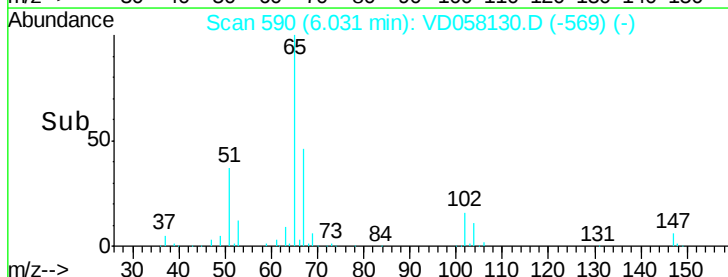
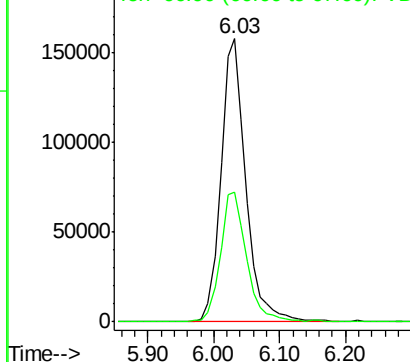
Ion Ratio Lower Upper

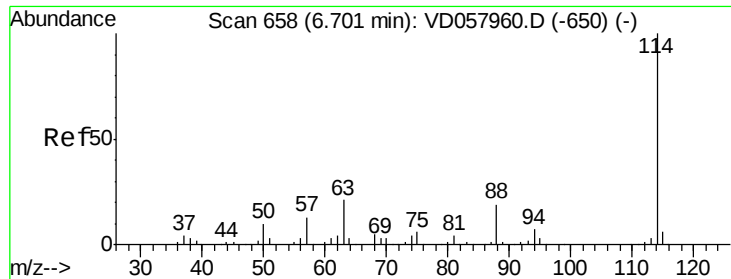
65 100

67 45.8 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

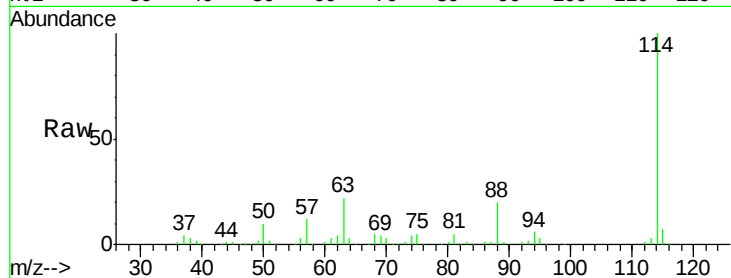




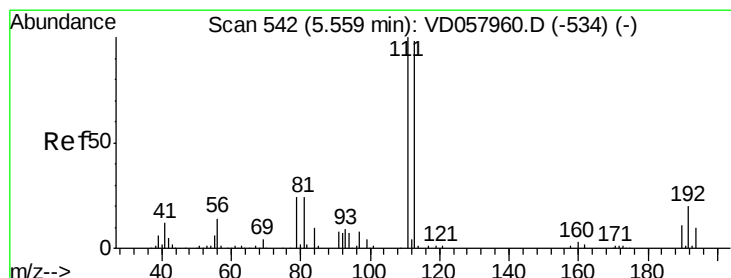
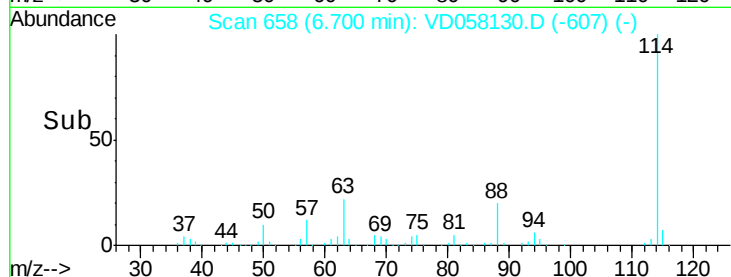
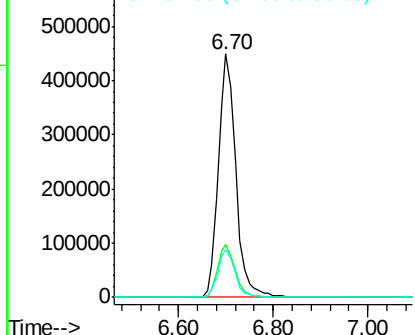
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VD058130.D
 Acq: 14 Jun 2018 12:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1146505
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 19.7 0.0 37.8

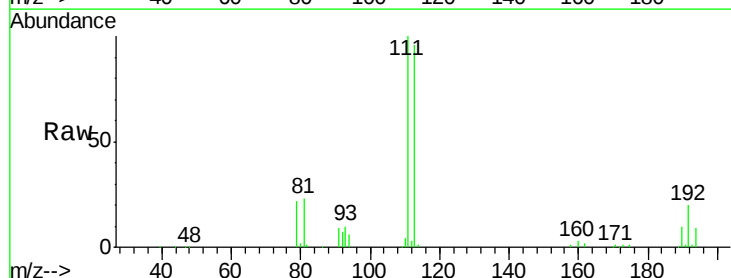


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

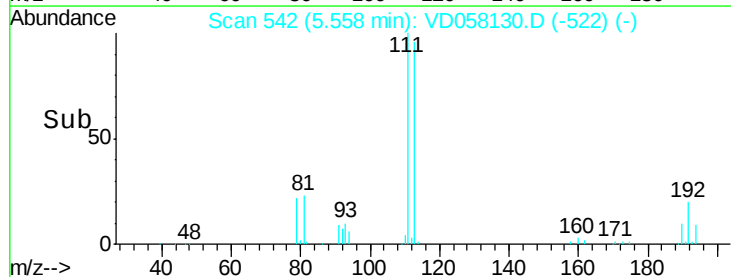
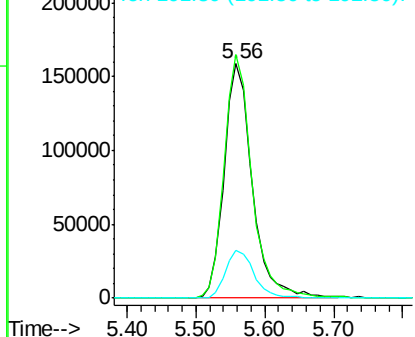


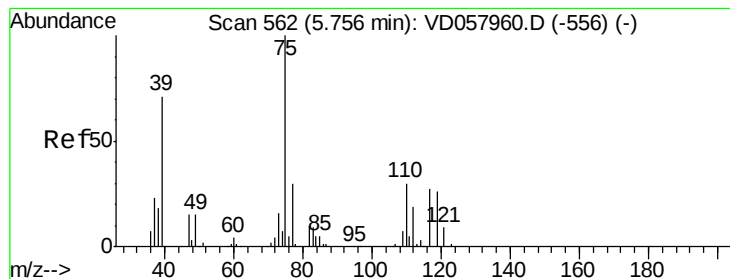
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: VD058130.D
 Acq: 14 Jun 2018 12:27

Tgt Ion:113 Resp: 450605
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.5 122.3
 192 20.6 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: 5.979 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.11 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

Instrument :

MSVOA_D

ClientSampleId :

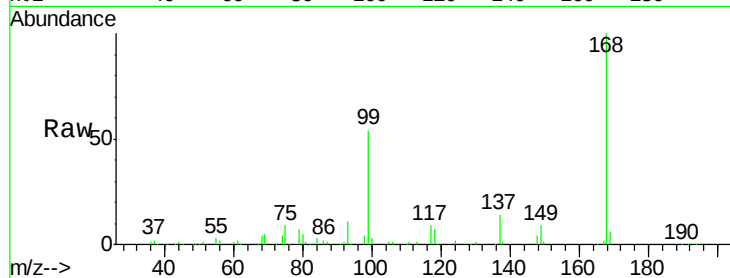
Tot Ion: 75 Resp: 75520

Ion Ratio Lower Upper

75 100

110 5.6 14.8 44.3#

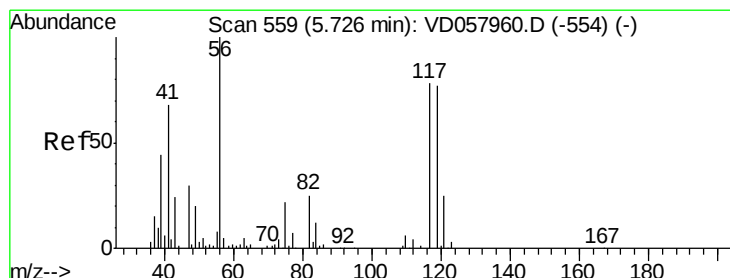
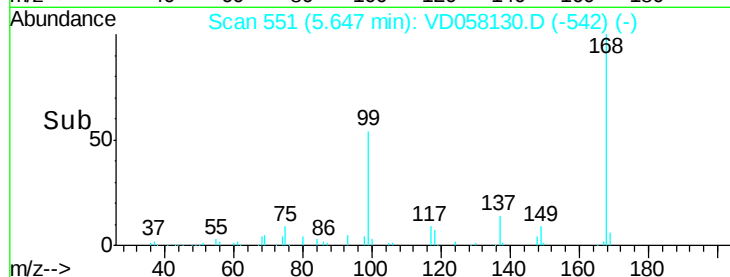
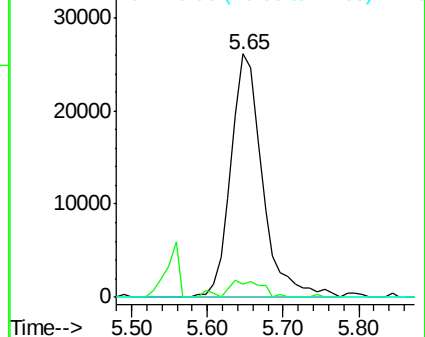
77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.041 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.08 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

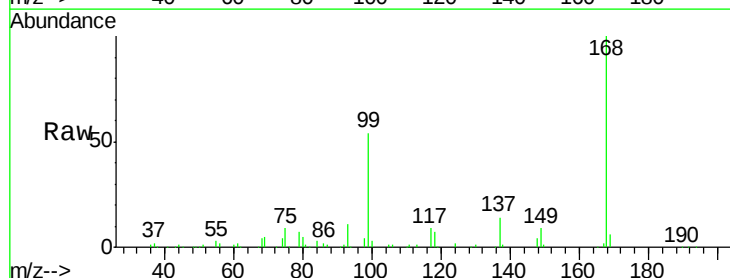
Tgt Ion: 117 Resp: 75202

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

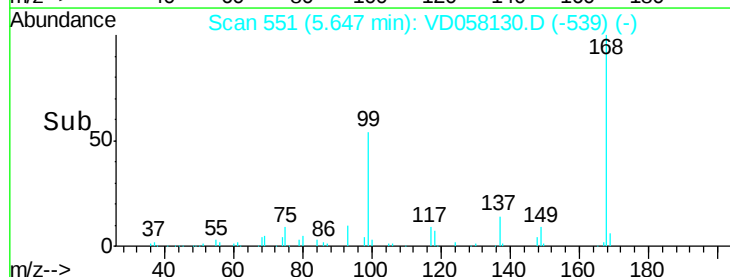
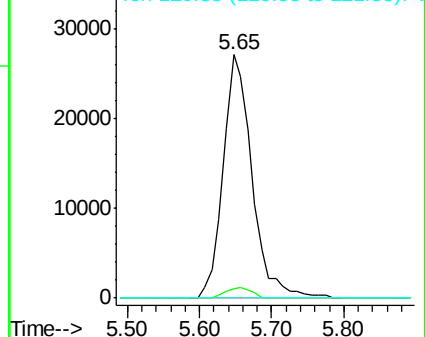
121 0.0 24.9 37.3#

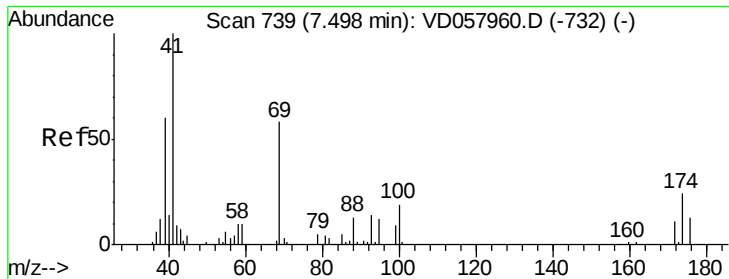


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#49

1,4-Dioxane

Concen: 3.867 ug/l

RT: 7.04 min Scan# 693

Delta R.T. -0.45 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

Instrument :
MSVOA_D
ClientSampleId :

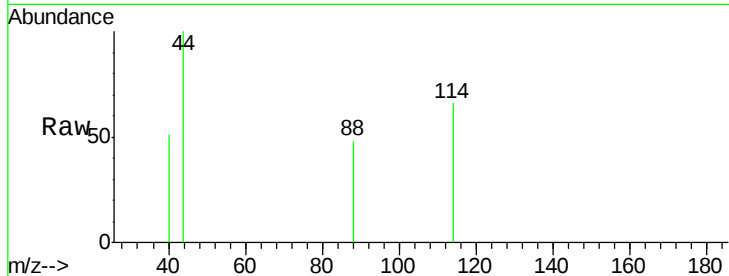
Tot Ion: 88 Resp: 178

Ion Ratio Lower Upper

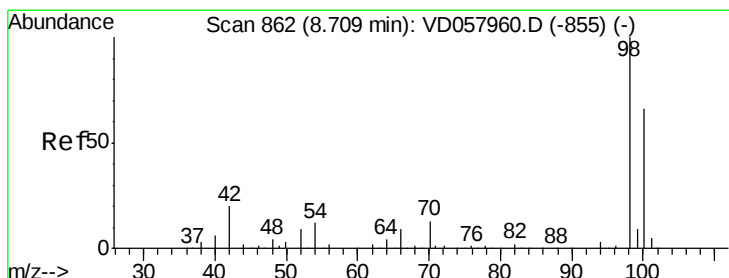
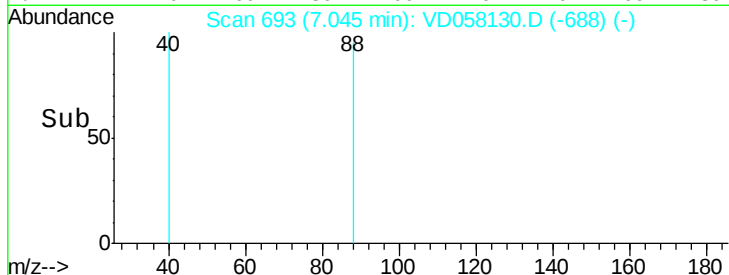
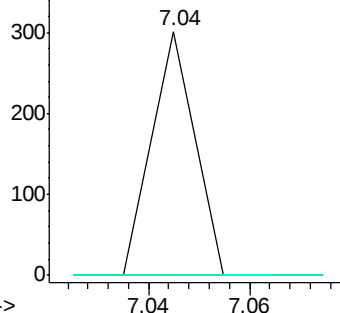
88 100

43 0.0 46.6 69.8#

58 0.0 63.6 95.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 3.867 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058130.D

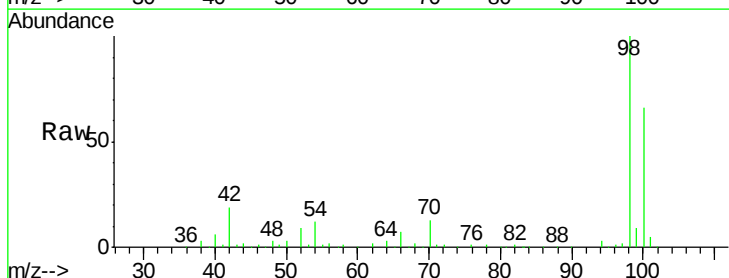
Acq: 14 Jun 2018 12:27

Tgt Ion: 98 Resp: 1006495

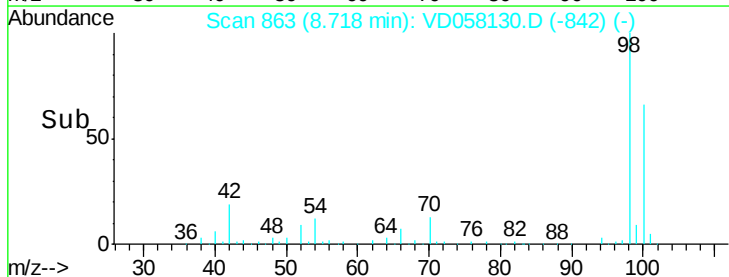
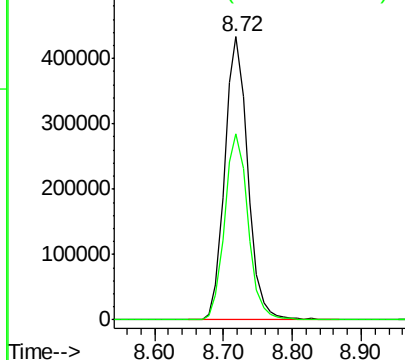
Ion Ratio Lower Upper

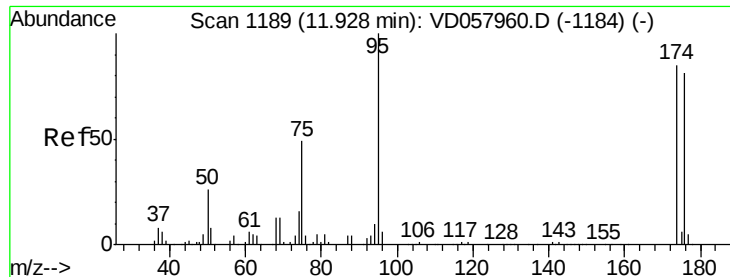
98 100

100 66.0 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: Below ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

Instrument :

MSVOA_D

ClientSampled :

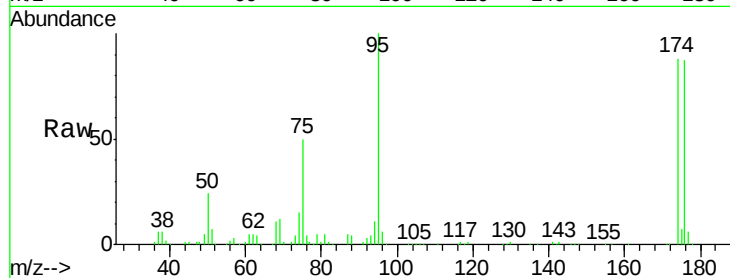
Tot Ion: 95 Resp: 445611

Ion Ratio Lower Upper

95 100

174 87.5 0.0 169.4

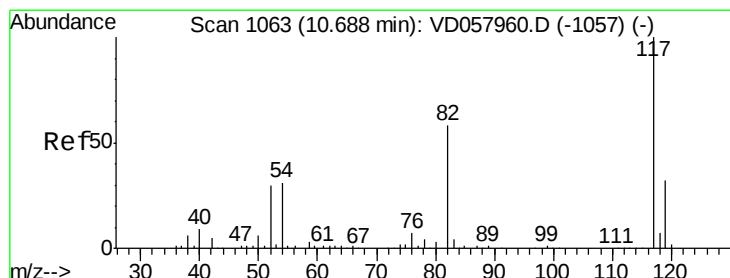
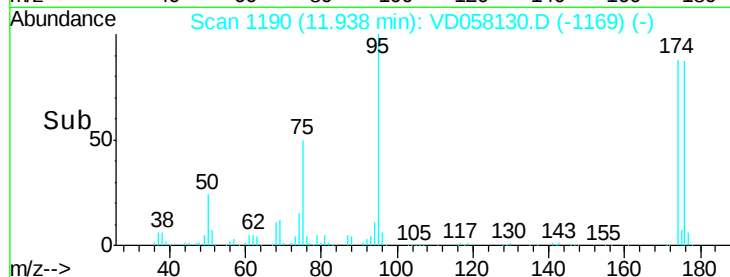
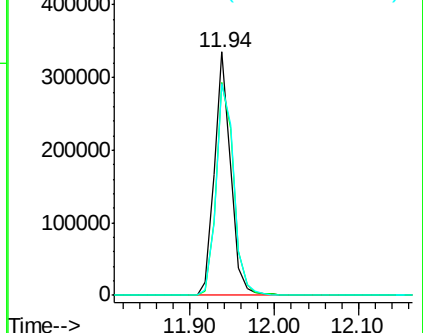
176 87.1 0.0 162.6



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: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

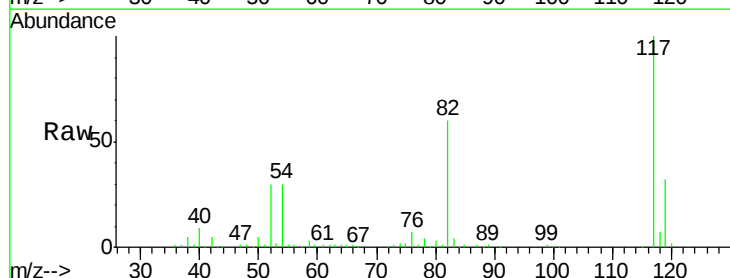
Tgt Ion: 117 Resp: 890783

Ion Ratio Lower Upper

117 100

82 60.0 46.8 70.2

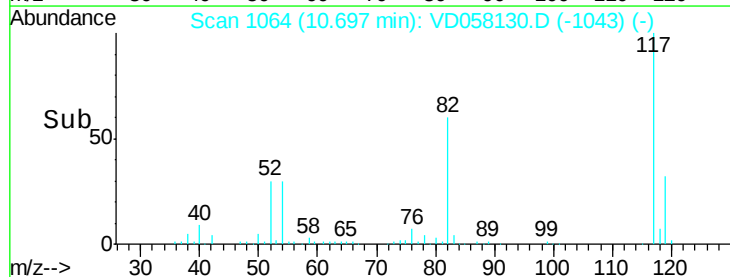
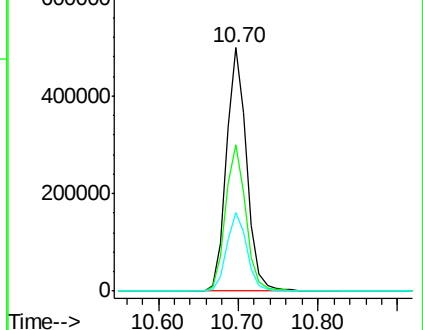
119 32.1 25.8 38.6

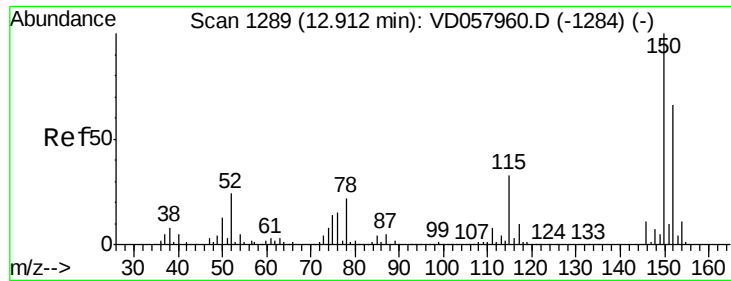


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1289

Delta R.T. -0.00 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

Instrument :

MSVOA_D

ClientSampleId :

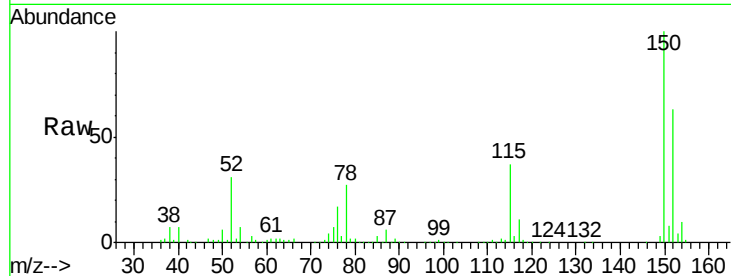
Tot Ion:152 Resp: 502574

Ion Ratio Lower Upper

152 100

115 58.2 25.6 76.6

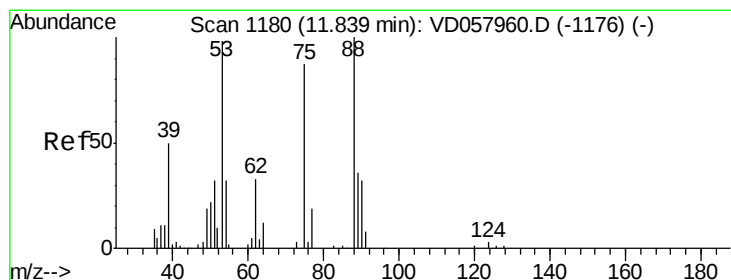
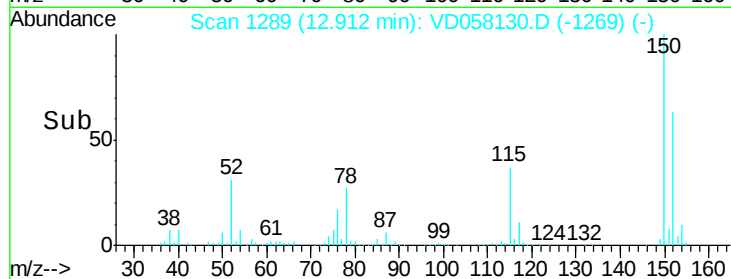
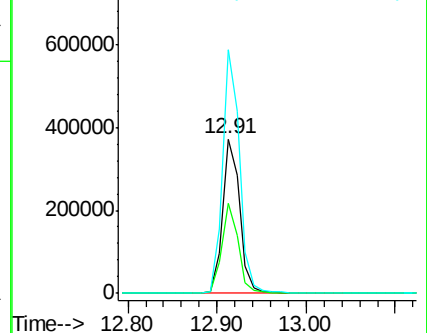
150 158.0 0.0 306.8



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: 117.615 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058130.D

Acq: 14 Jun 2018 12:27

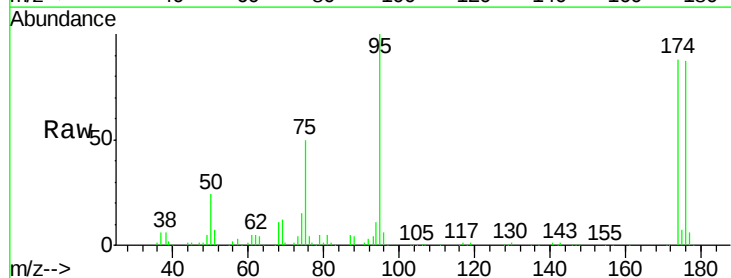
Tgt Ion: 75 Resp: 219924

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

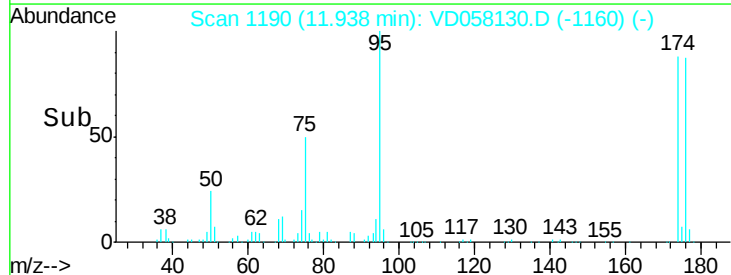
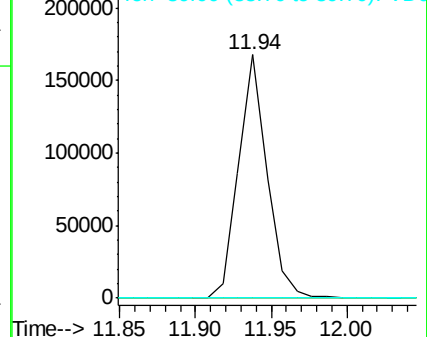
89 0.0 33.3 49.9#

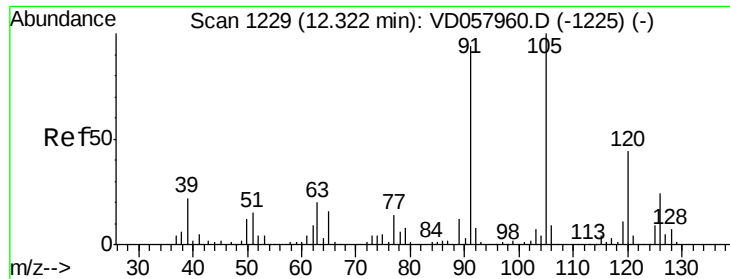


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

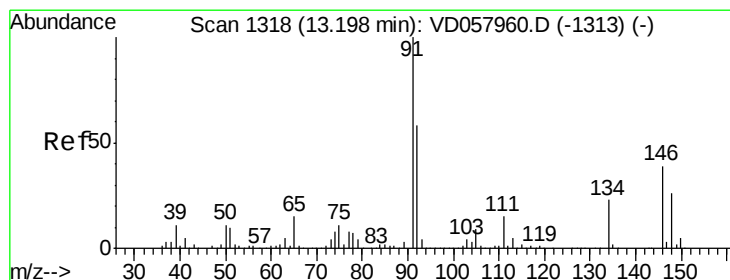
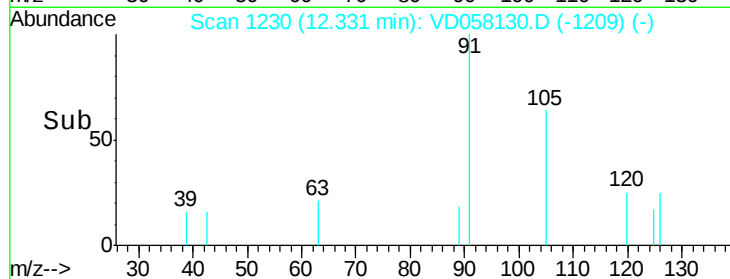
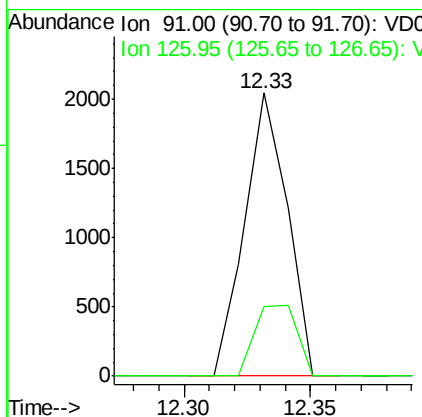
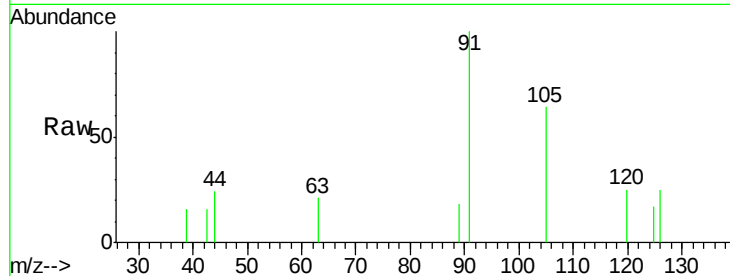




#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD058130.D
 Acq: 14 Jun 2018 12:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 2406
 Ion Ratio Lower Upper
 91 100
 126 24.5 12.5 37.5



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.21 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD058130.D
 Acq: 14 Jun 2018 12:27

Tgt Ion: 91 Resp: 2197
 Ion Ratio Lower Upper
 91 100
 92 54.4 29.2 87.6
 134 27.5 11.3 33.9

