

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058190.D
 Acq On : 18 Jun 2018 19:31
 Operator : VA/AP
 Sample : J3554-08
 Misc : 6.16g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:50:45 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	607241	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	807423	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	651721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	333131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	377561	62.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	124.38%	
35) Dibromofluoromethane	5.53	113	341020	54.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.18%	
50) Toluene-d8	8.70	98	714706	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.93	95	318179	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

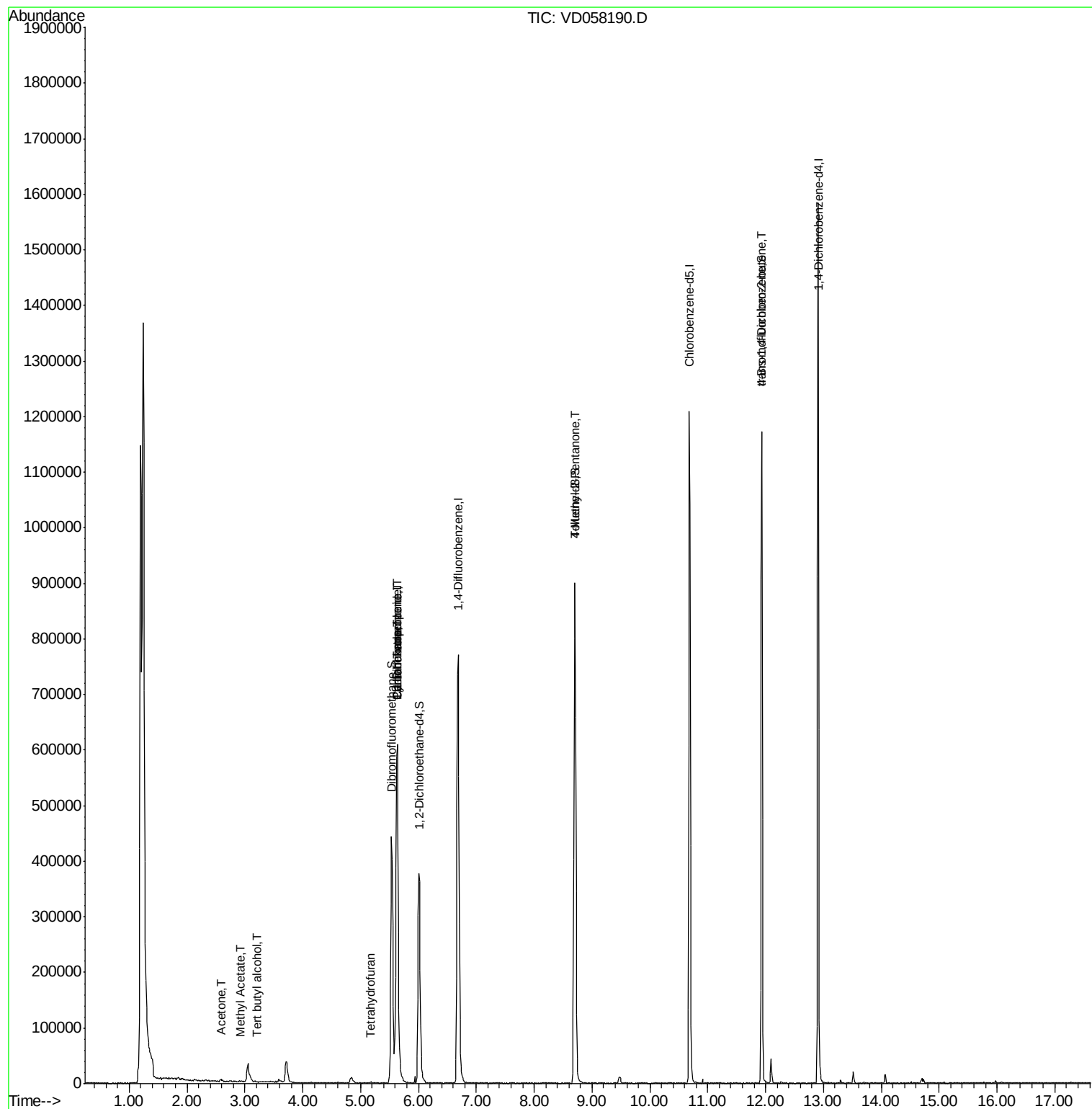
					Qvalue
11) Tert butyl alcohol	3.22	59	183	1.125 ug/l #	74
16) Acetone	2.59	43	5799	6.630 ug/l	95
18) Methyl Acetate	2.92	43	1763	1.042 ug/l #	66
20) Methylene Chloride	3.05	84	13178	Below Cal #	87
29) Tetrahydrofuran	5.18	42	1481	1.421 ug/l #	62
31) Cyclohexane	5.62	56	13035	1.235 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	47717	5.364 ug/l #	49
38) Carbon Tetrachloride	5.63	117	47694	5.440 ug/l #	15
51) 4-Methyl-2-Pentanone	8.69	43	4306	1.056 ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	149678	120.762 ug/l #	6
82) 4-Chlorotoluene	12.32	91	441	Below Cal #	50

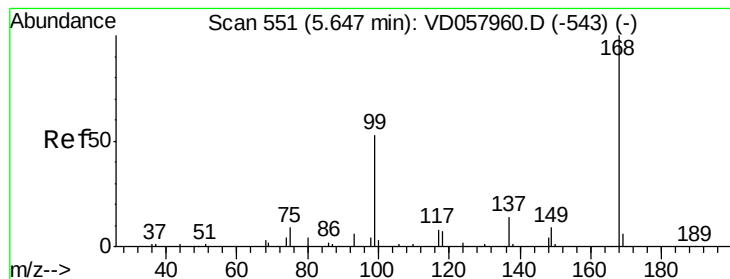
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jun 19 05:50:45 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. -0.01 min

Lab File: VD058190.D

Acq: 18 Jun 2018 19:31

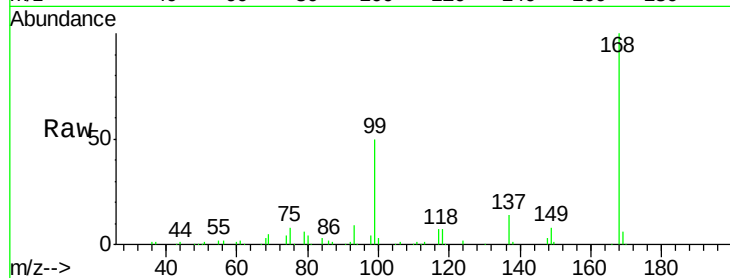
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 607241

Ion Ratio Lower Upper

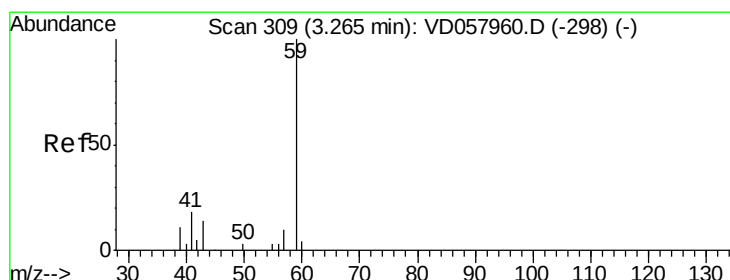
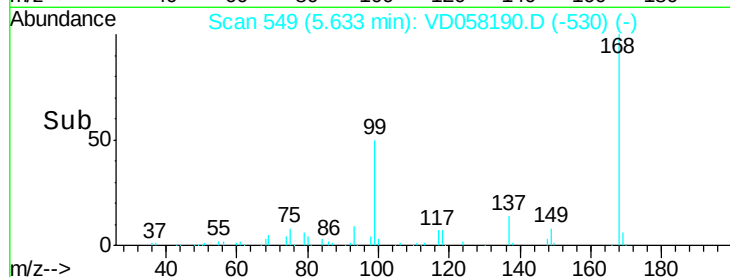
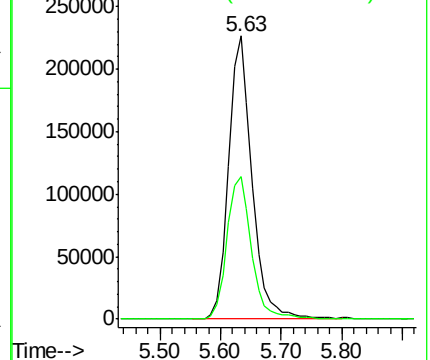
168 100

99 50.5 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: 1.125 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.04 min

Lab File: VD058190.D

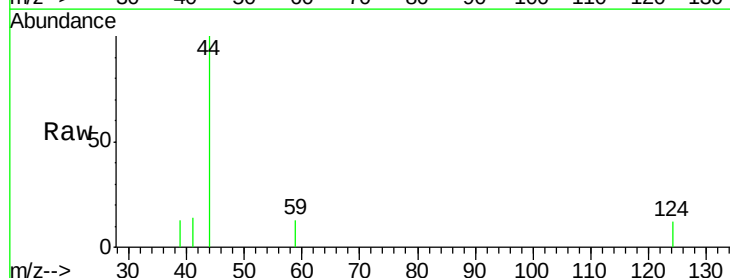
Acq: 18 Jun 2018 19:31

Tgt Ion: 59 Resp: 183

Ion Ratio Lower Upper

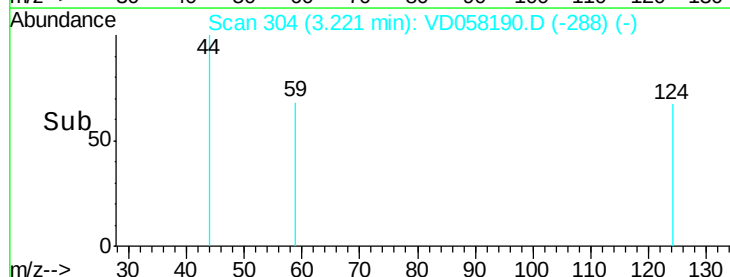
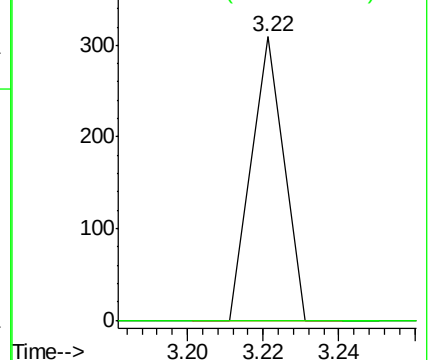
59 100

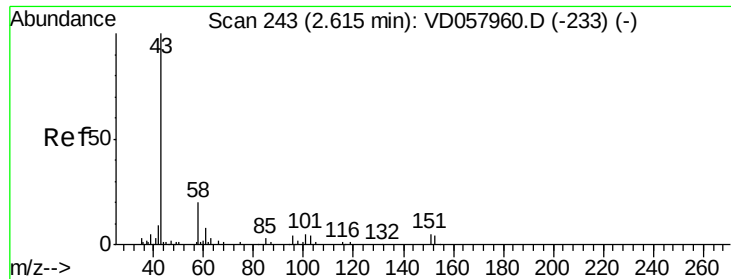
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 6.630 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD058190.D

Acq: 18 Jun 2018 19:31

Instrument :

MSVOA_D

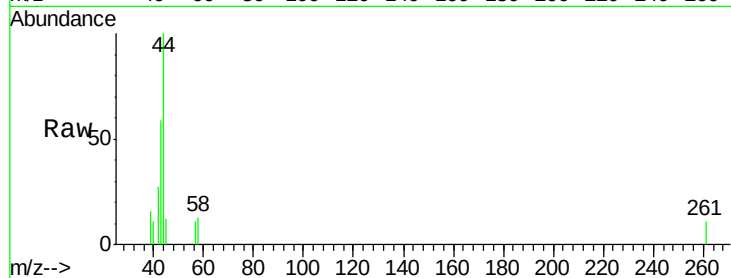
ClientSampled :

Tot Ion: 43 Resp: 5799

Ion Ratio Lower Upper

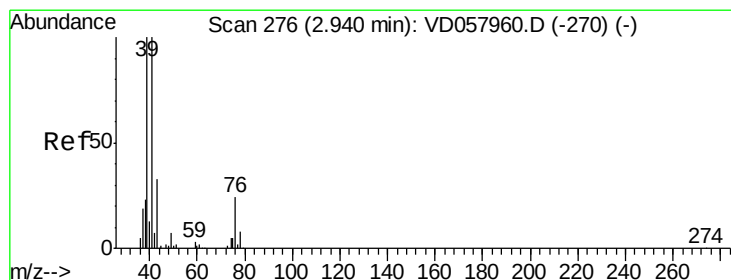
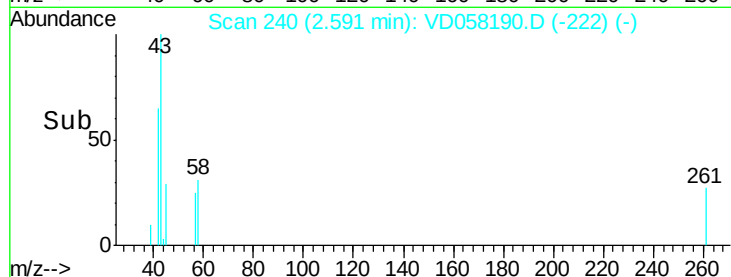
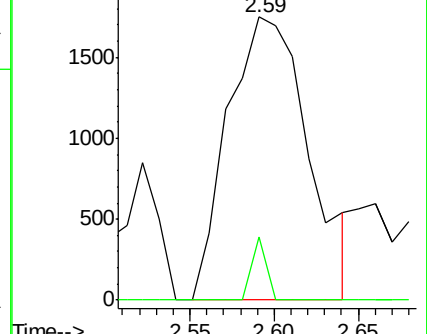
43 100

58 22.2 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.042 ug/l

RT: 2.92 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD058190.D

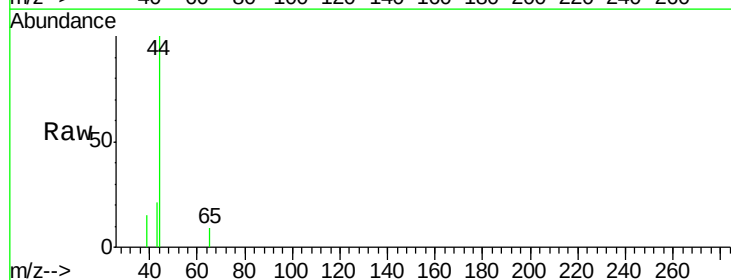
Acq: 18 Jun 2018 19:31

Tgt Ion: 43 Resp: 1763

Ion Ratio Lower Upper

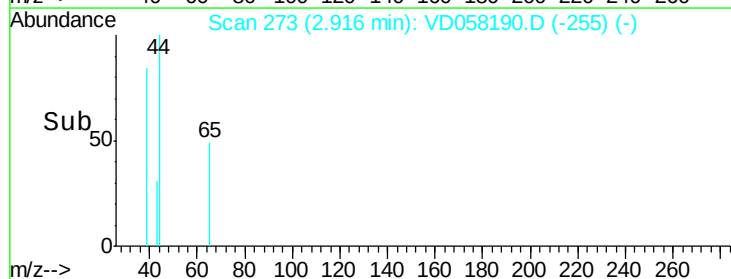
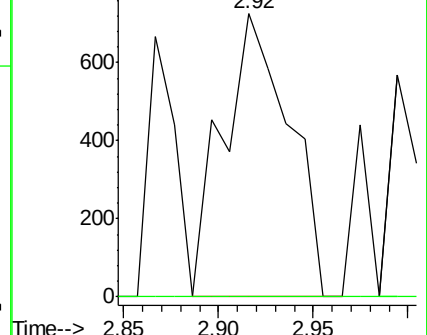
43 100

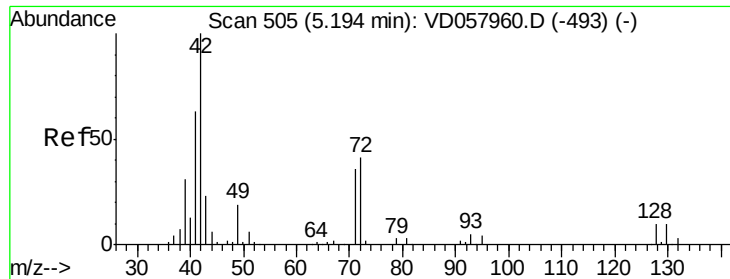
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

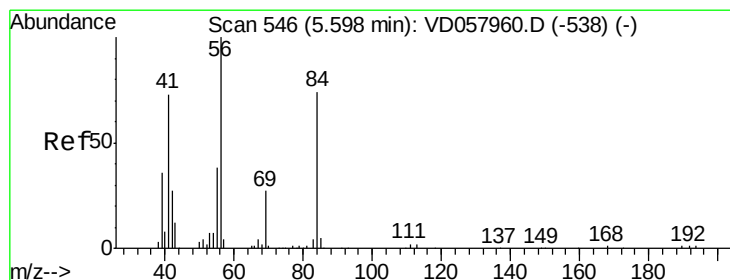
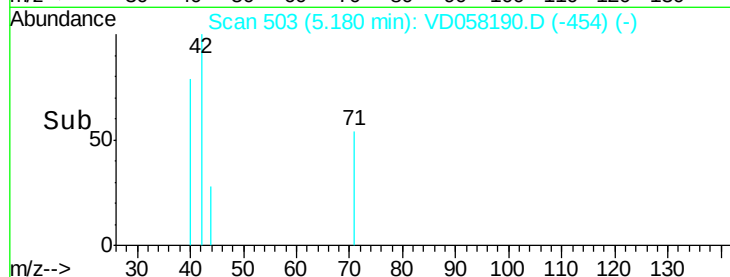
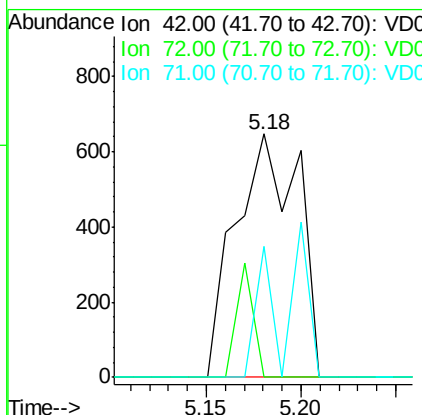
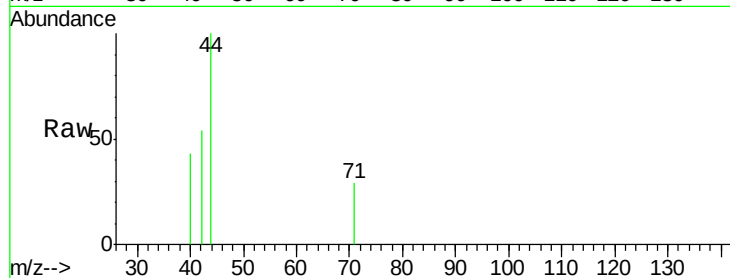




#29
Tetrahydrofuran
Concen: 1.421 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD058190.D
Acq: 18 Jun 2018 19:31

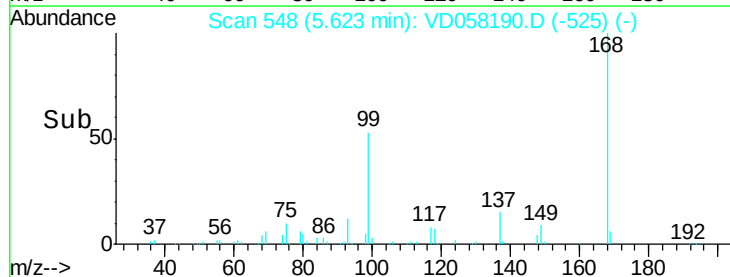
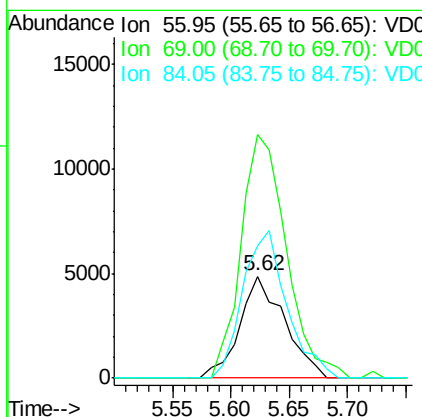
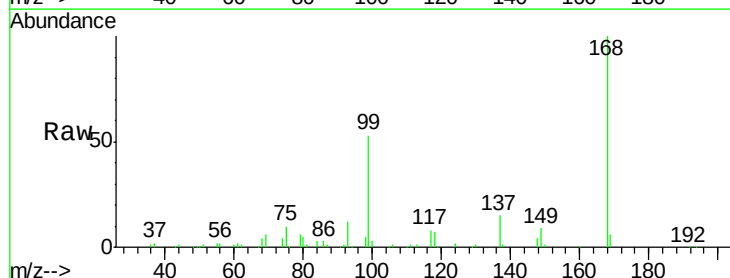
Instrument :
MSVOA_D
ClientSampleId :

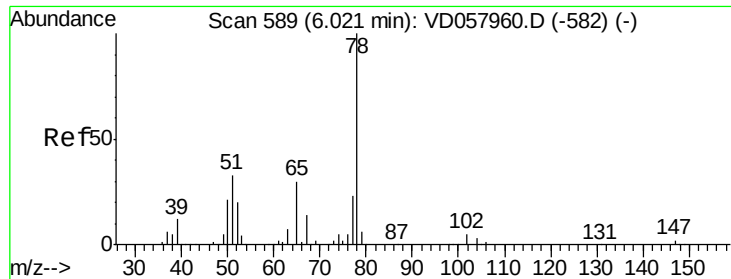
Tot Ion	Ratio	Lower	Upper
42	100		
72	12.2	28.5	42.7#
71	13.9	27.9	41.9#



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD058190.D
Acq: 18 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	239.1	21.5	32.3#
84	129.4	61.0	91.6#

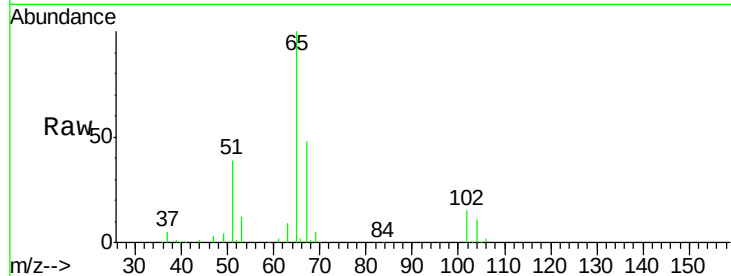




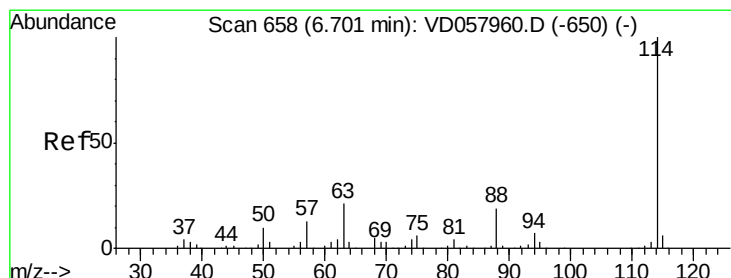
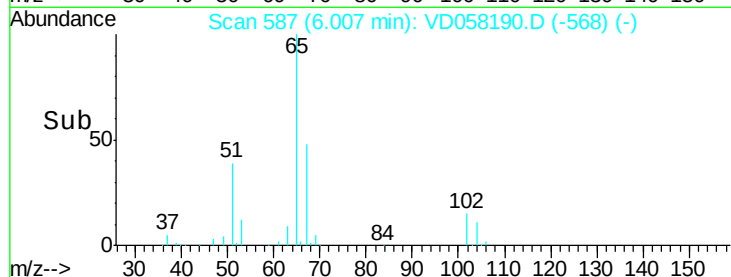
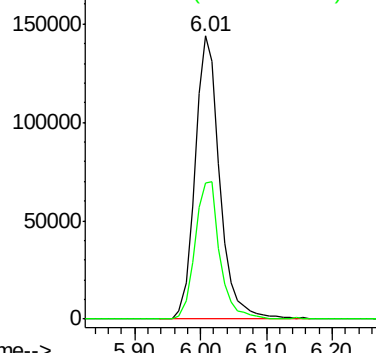
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: VD058190.D
 Acq: 18 Jun 2018 19:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 377561
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 94.0

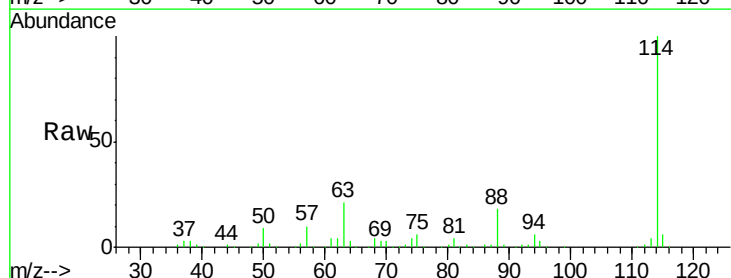


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

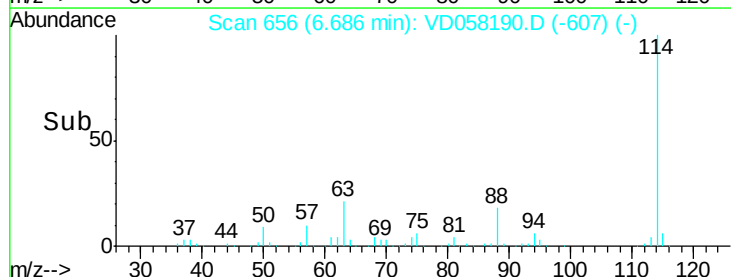
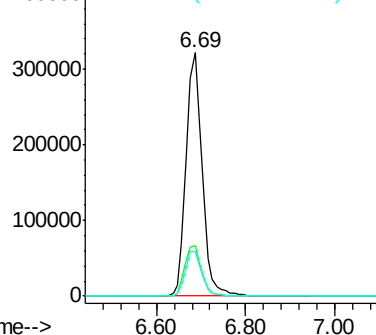


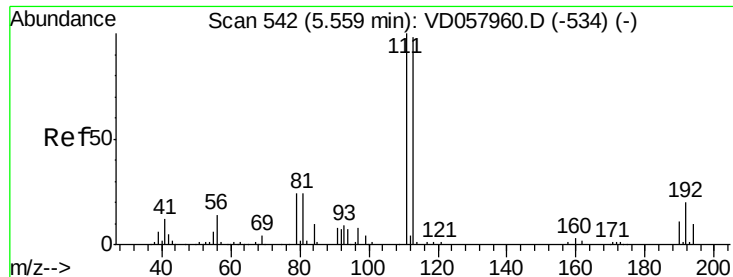
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD058190.D
 Acq: 18 Jun 2018 19:31

Tgt Ion: 114 Resp: 807423
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 18.1 0.0 37.8



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

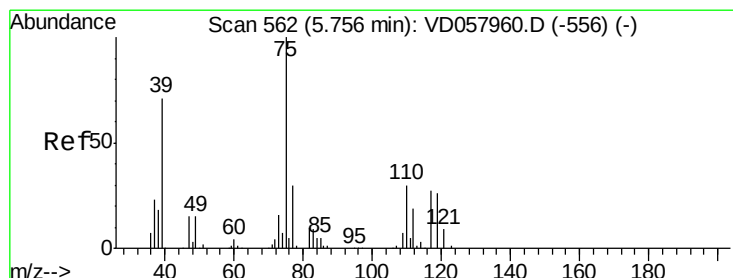
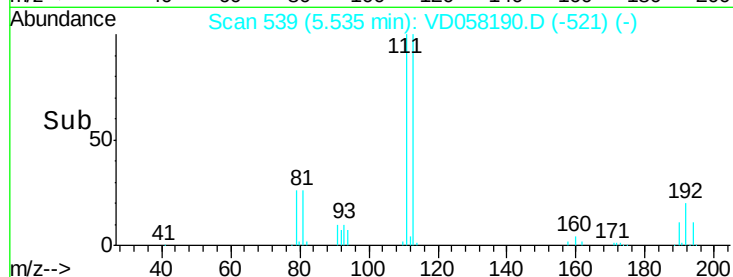
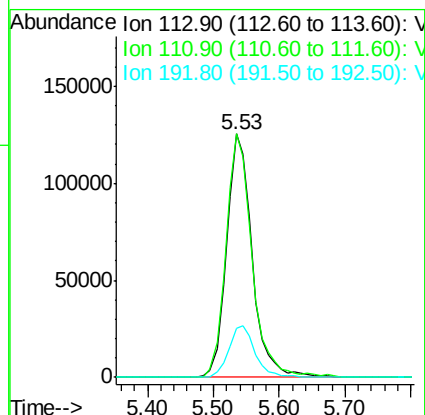
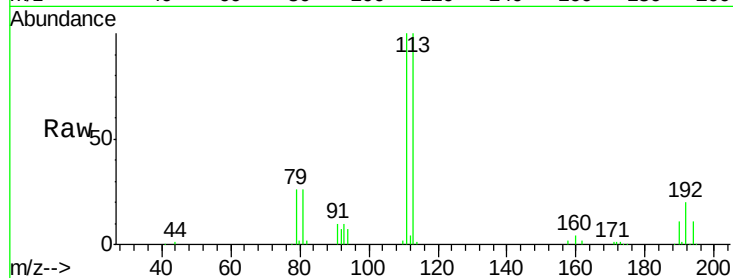




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.53 min Scan# 539
Delta R.T. -0.02 min
Lab File: VD058190.D
Acq: 18 Jun 2018 19:31

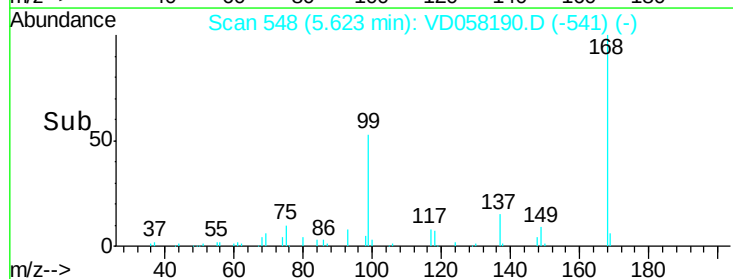
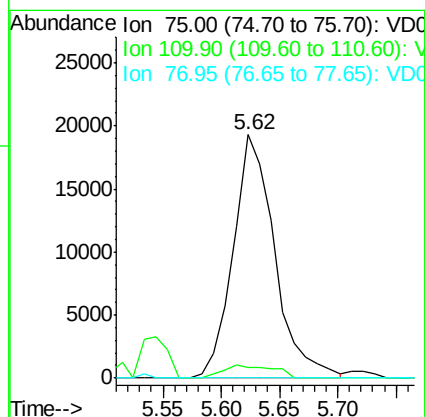
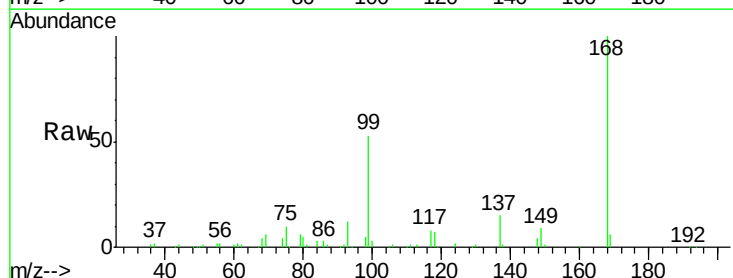
Instrument :
MSVOA_D
ClientSampleId :

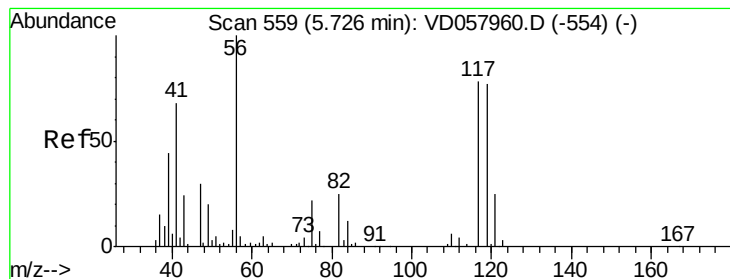
Tot Ion:113 Resp: 341020
Ion Ratio Lower Upper
113 100
111 100.0 81.5 122.3
192 20.3 16.4 24.6



#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.13 min
Lab File: VD058190.D
Acq: 18 Jun 2018 19:31

Tgt Ion: 75 Resp: 47717
Ion Ratio Lower Upper
75 100
110 4.5 14.8 44.3#
77 0.0 23.9 35.9#





#38

Carbon Tetrachloride

Concen: 5.440 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058190.D

Acq: 18 Jun 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

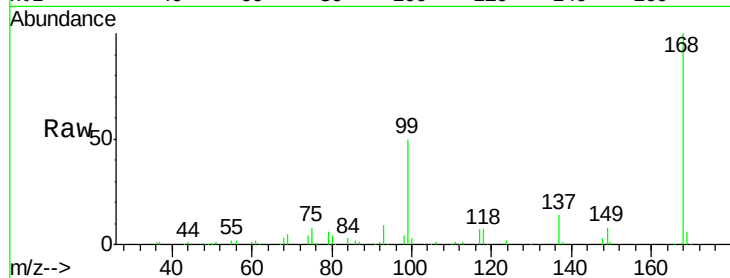
Tot Ion:117 Resp: 47694

Ion Ratio Lower Upper

117 100

119 2.9 76.1 114.1#

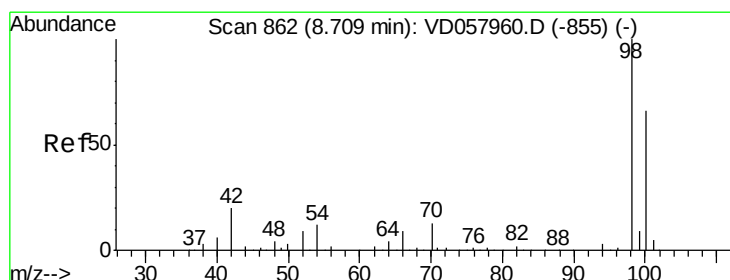
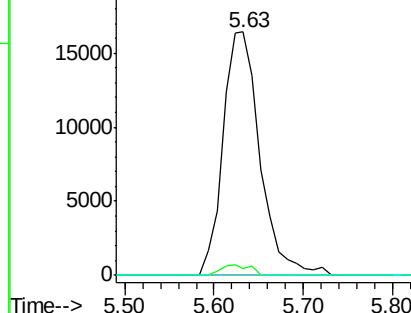
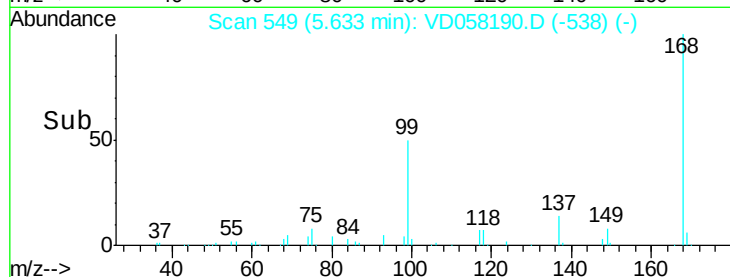
121 0.0 24.9 37.3#



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. -0.00 min

Lab File: VD058190.D

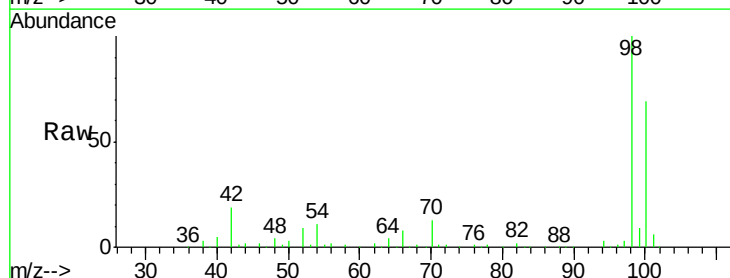
Acq: 18 Jun 2018 19:31

Tgt Ion: 98 Resp: 714706

Ion Ratio Lower Upper

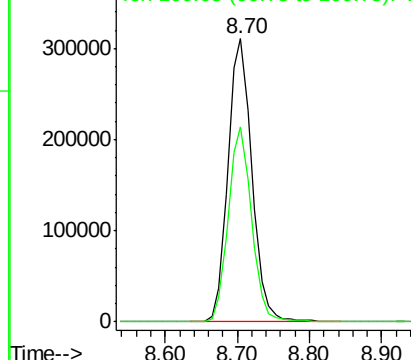
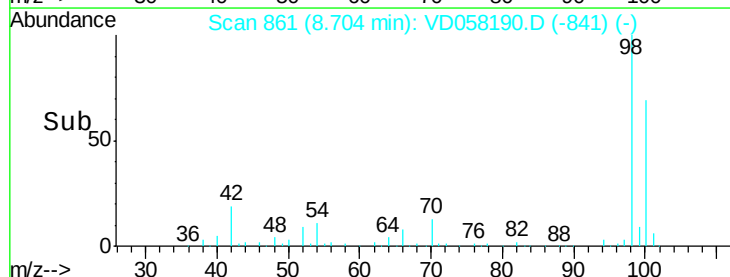
98 100

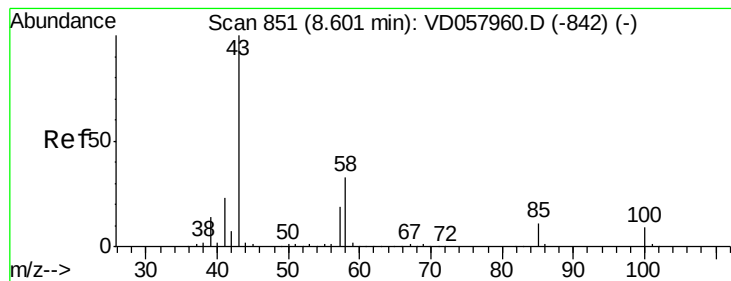
100 68.8 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.056 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.09 min

Lab File: VD058190.D

Acq: 18 Jun 2018 19:31

Instrument :

MSVOA_D

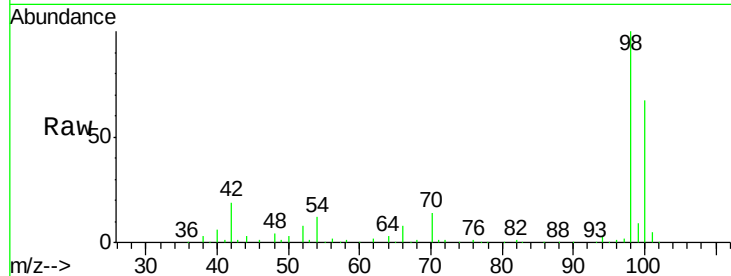
ClientSampleId :

Tot Ion: 43 Resp: 4306

Ion Ratio Lower Upper

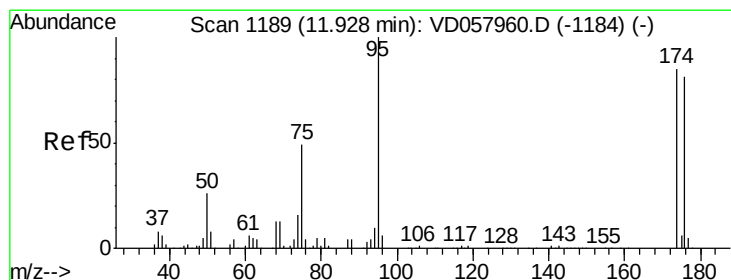
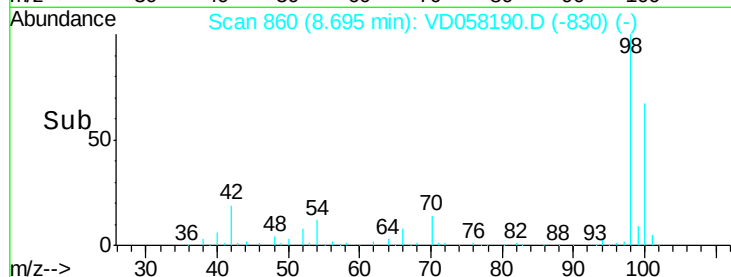
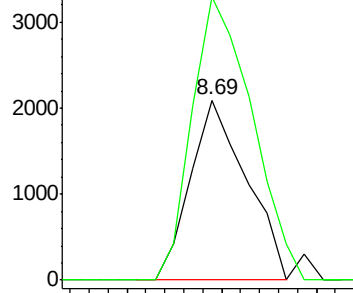
43 100

58 157.4 26.2 39.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058190.D

Acq: 18 Jun 2018 19:31

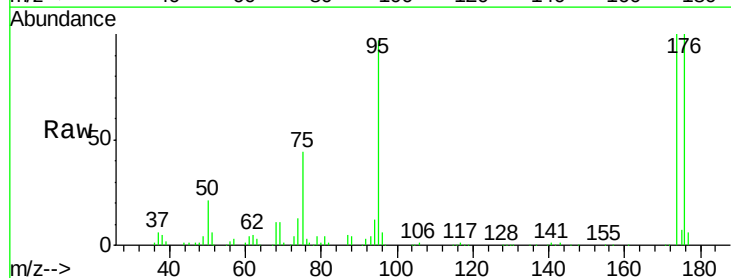
Tgt Ion: 95 Resp: 318179

Ion Ratio Lower Upper

95 100

174 102.7 0.0 169.4

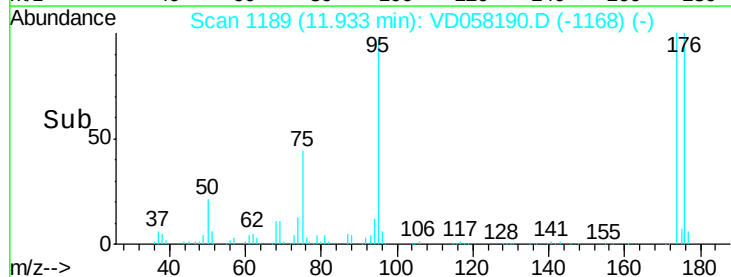
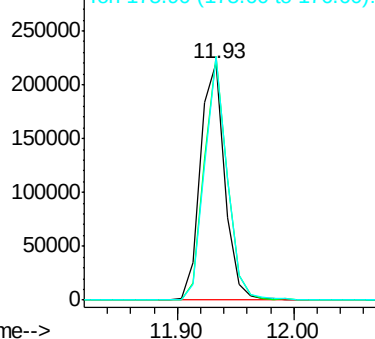
176 102.7 0.0 162.6

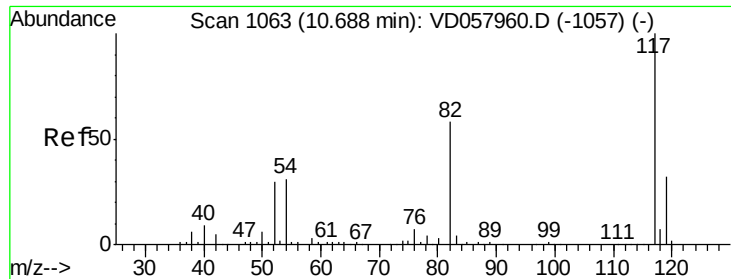


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

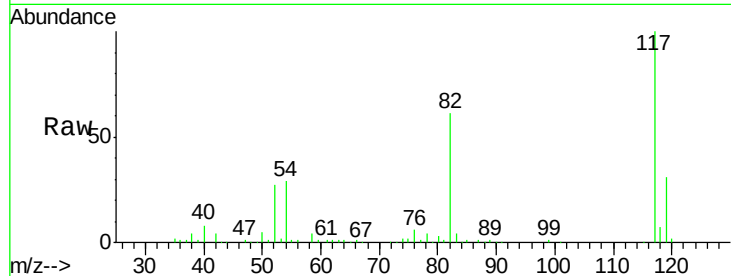




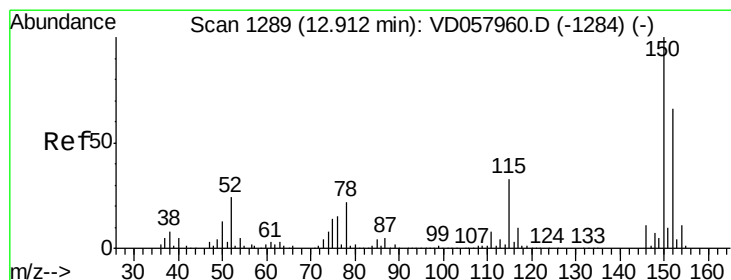
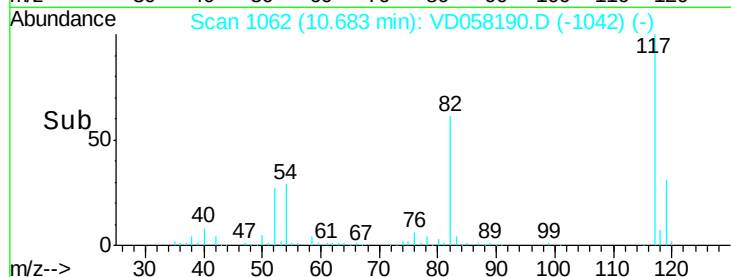
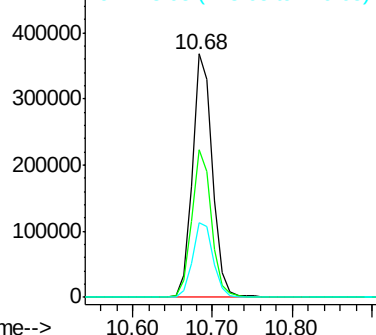
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD058190.D
Acq: 18 Jun 2018 19:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 651721
Ion Ratio Lower Upper
117 100
82 60.6 46.8 70.2
119 30.7 25.8 38.6

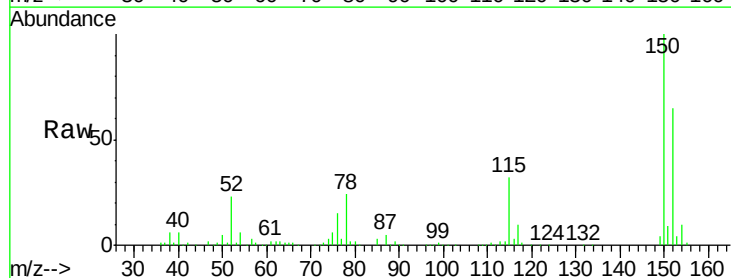


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

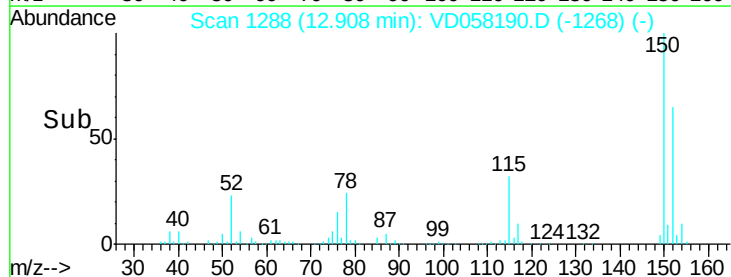
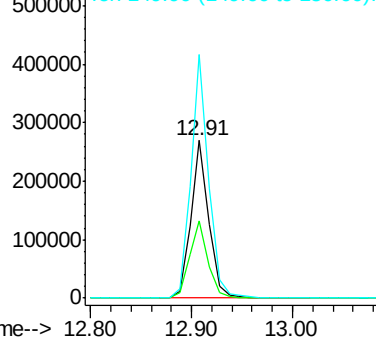


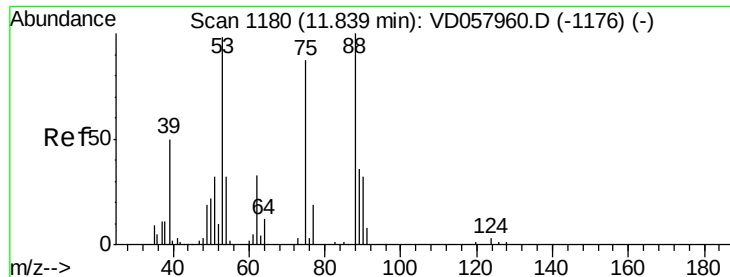
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058190.D
Acq: 18 Jun 2018 19:31

Tgt Ion:152 Resp: 333131
Ion Ratio Lower Upper
152 100
115 49.2 25.6 76.6
150 154.3 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: 120.762 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058190.D

Acq: 18 Jun 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

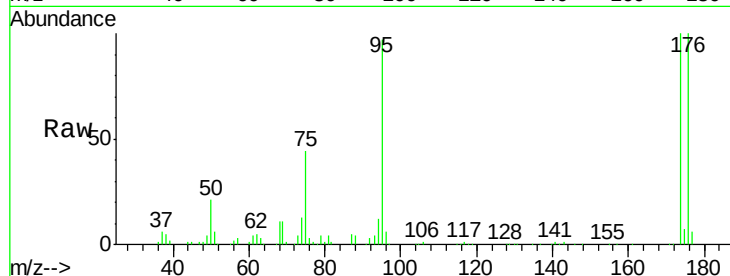
Tot Ion: 75 Resp: 149678

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

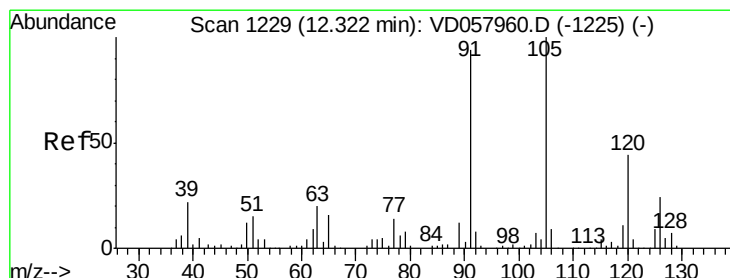
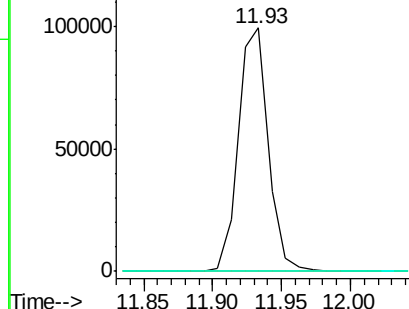
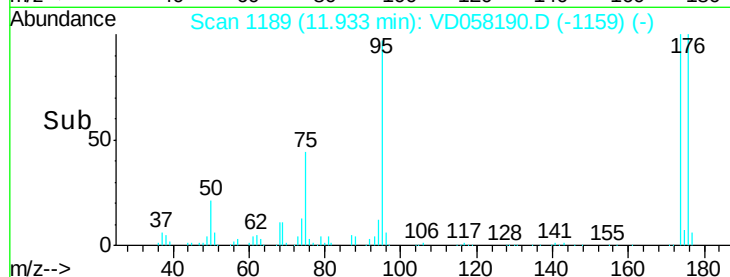
89 0.0 33.3 49.9#



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: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD058190.D

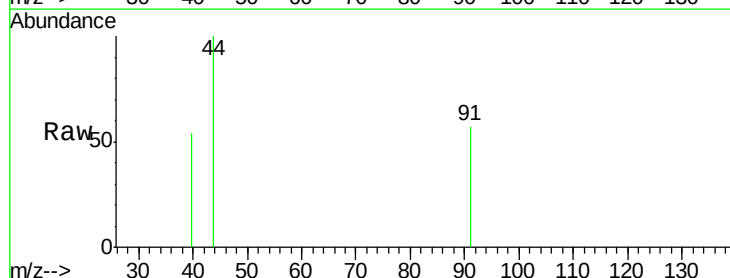
Acq: 18 Jun 2018 19:31

Tgt Ion: 91 Resp: 441

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

