

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058154.D
 Acq On : 15 Jun 2018 15:57
 Operator : VA/AP
 Sample : VD0615SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 23:17:21 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	5.65	168	908770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1163927	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	959770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	514299	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	410051	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
35) Dibromofluoromethane	5.55	113	432174	47.99	ug/l	-0.01
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.71	98	1005518	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	11.93	95	436015	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

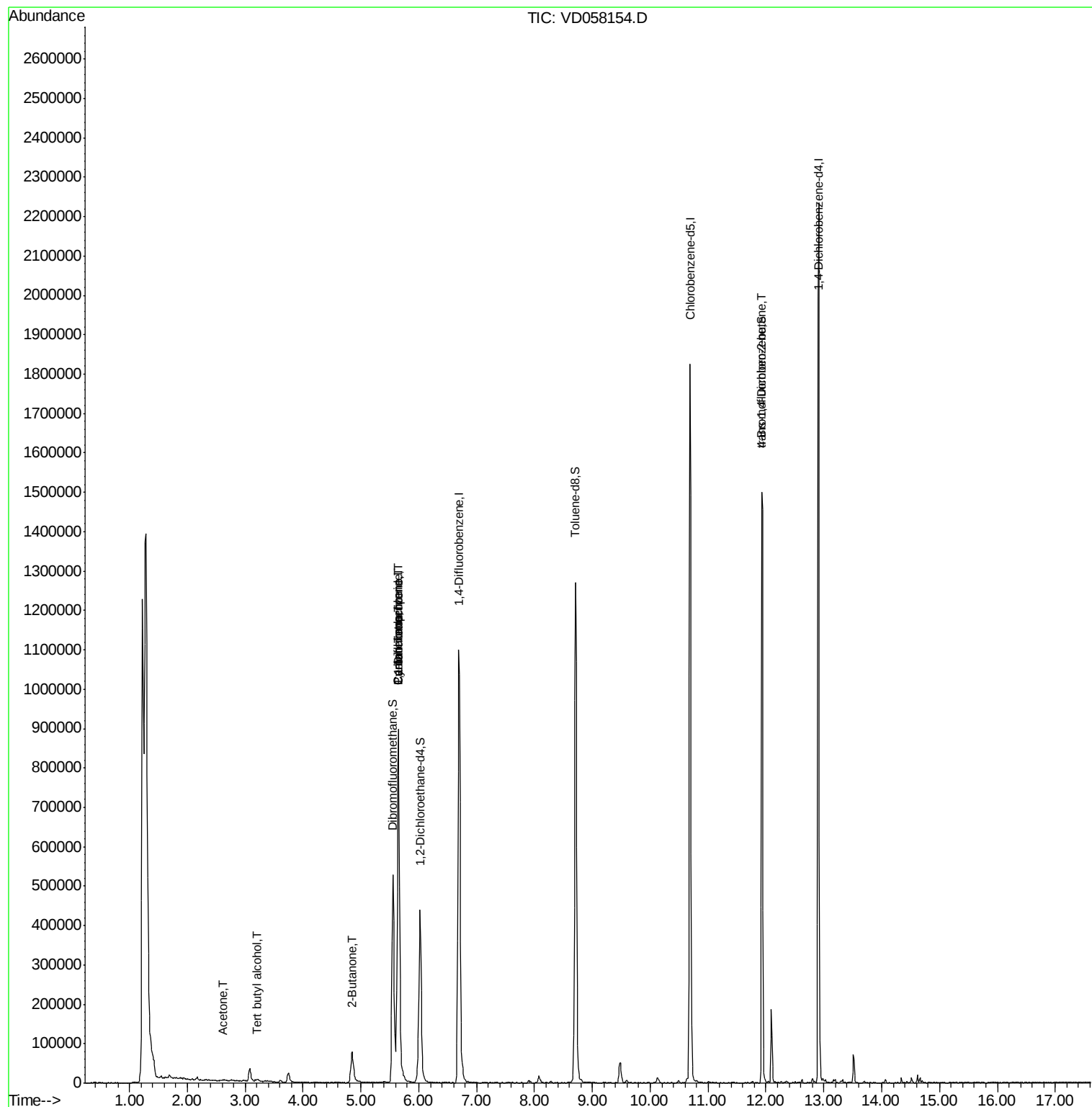
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.21	59	5886	24.184	ug/l #	74
16) Acetone	2.62	43	8646	6.605	ug/l	92
20) Methylene Chloride	3.08	84	15376	Below Cal	#	86
25) 2-Butanone	4.85	43	7253	2.438	ug/l	99
31) Cyclohexane	5.65	56	20520	1.299	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	78253	6.102	ug/l #	51
38) Carbon Tetrachloride	5.65	117	75833	6.000	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	210039	109.767	ug/l #	6
82) 4-Chlorotoluene	12.33	91	1701	Below Cal	#	70
89) n-Butylbenzene	13.20	91	2067	Below Cal		95

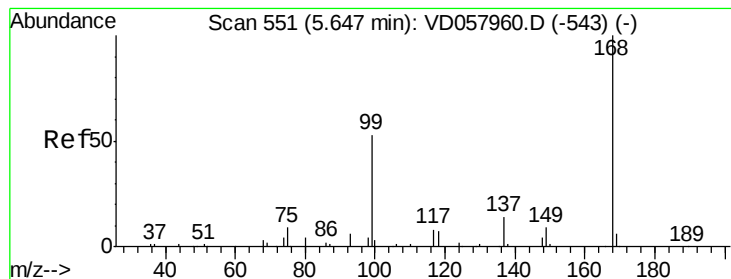
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 15 23:17:21 2018
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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: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

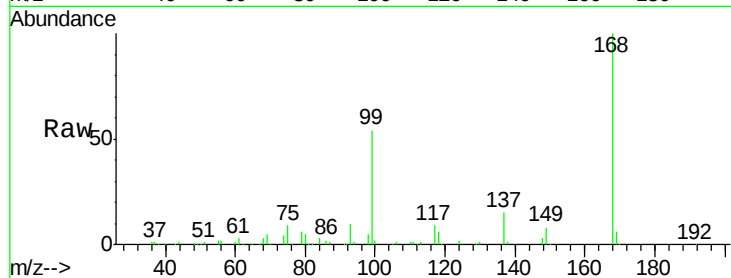
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 908770

Ion Ratio Lower Upper

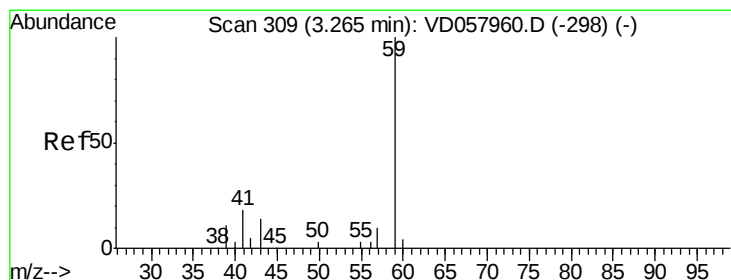
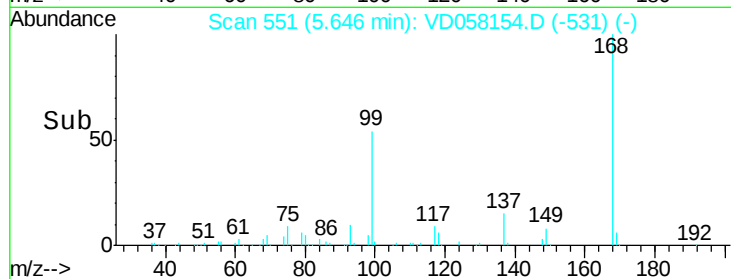
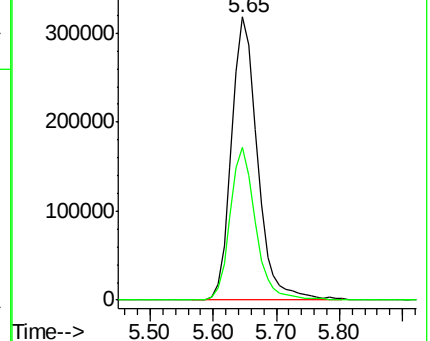
168 100

99 54.1 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: 24.184 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.06 min

Lab File: VD058154.D

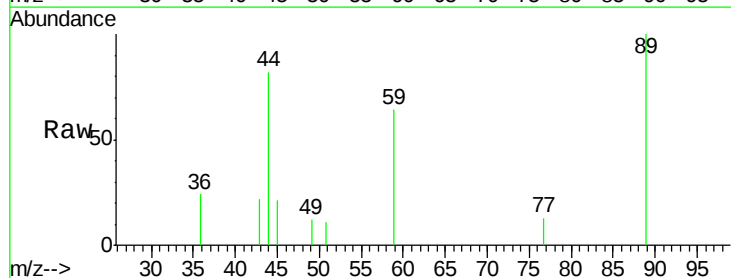
Acq: 15 Jun 2018 15:57

Tgt Ion: 59 Resp: 5886

Ion Ratio Lower Upper

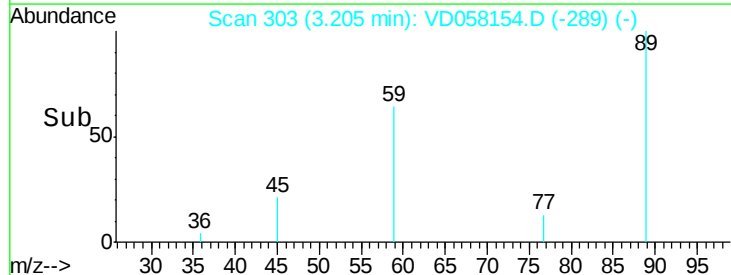
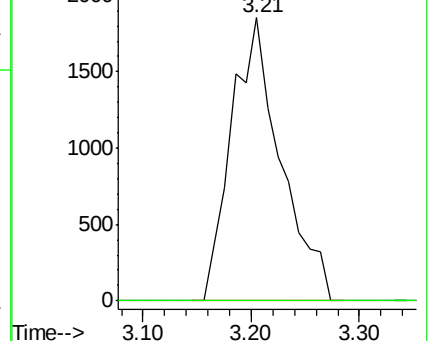
59 100

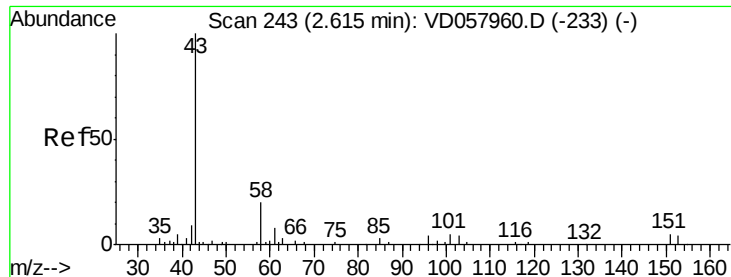
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 6.605 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

Instrument :

MSVOA_D

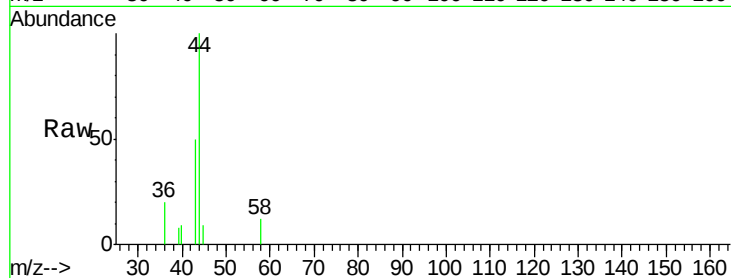
ClientSampleId :

Tot Ion: 43 Resp: 8646

Ion Ratio Lower Upper

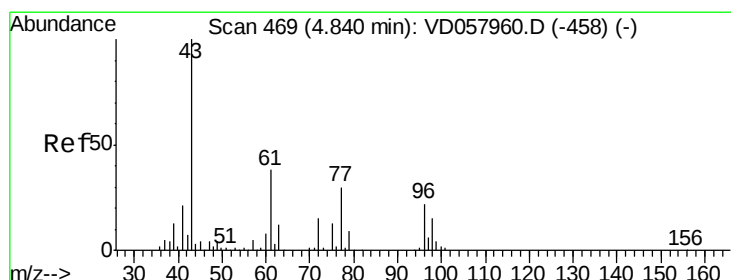
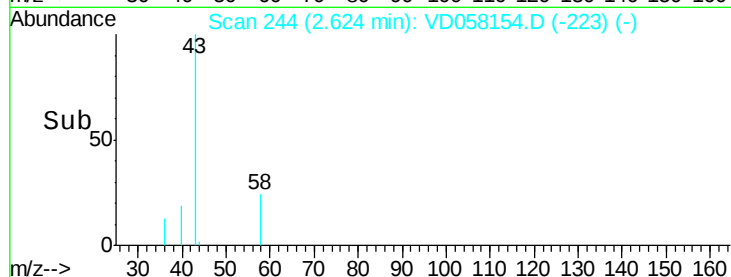
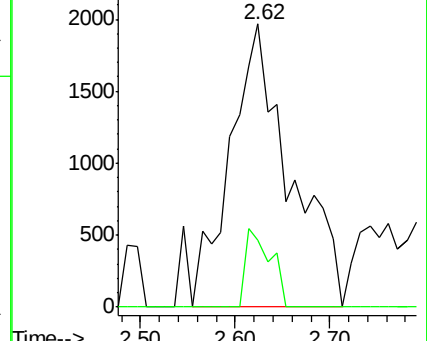
43 100

58 23.5 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: 2.438 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058154.D

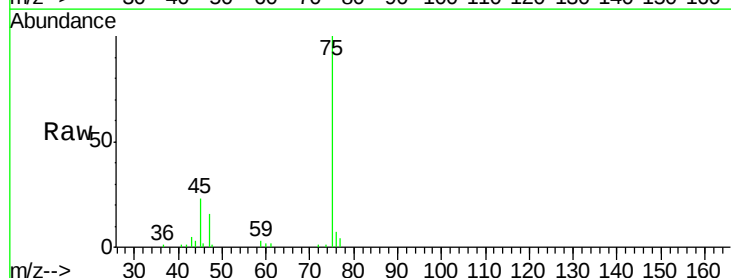
Acq: 15 Jun 2018 15:57

Tgt Ion: 43 Resp: 7253

Ion Ratio Lower Upper

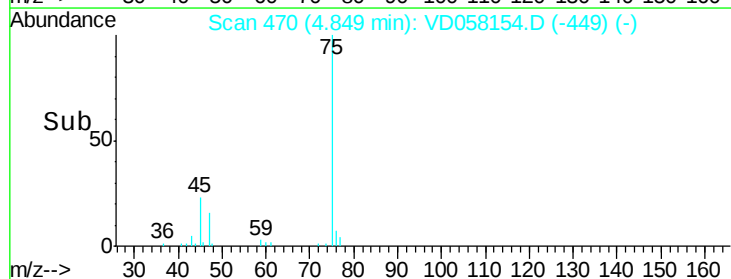
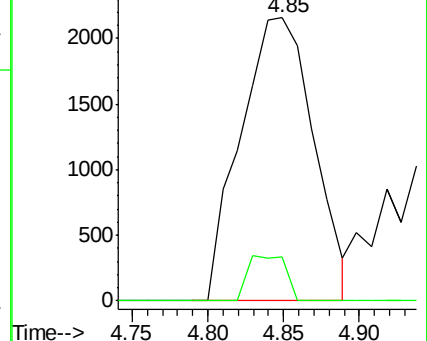
43 100

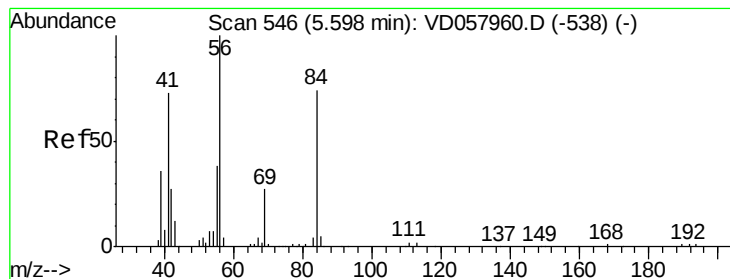
72 15.6 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.299 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.05 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

Instrument :

MSVOA_D

ClientSampleId :

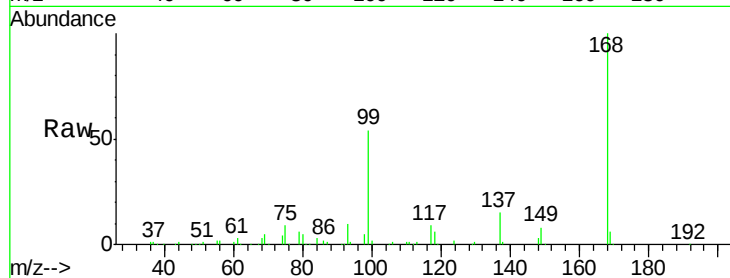
Tot Ion: 56 Resp: 20520

Ion Ratio Lower Upper

56 100

69 233.2 21.5 32.3#

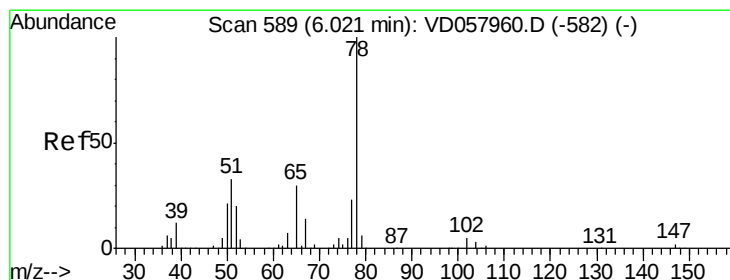
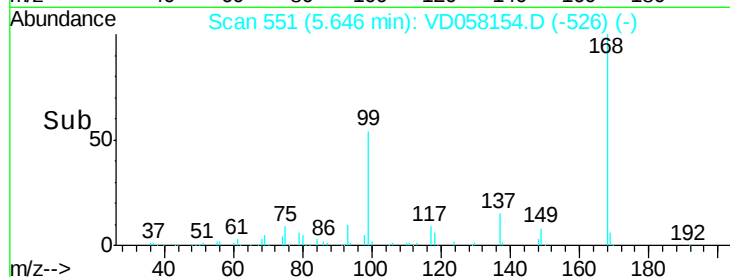
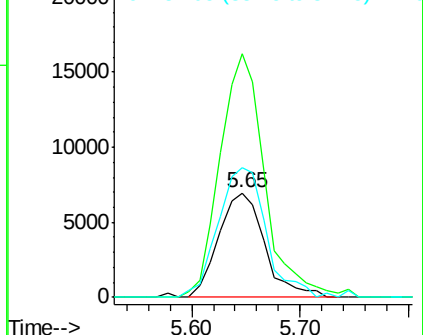
84 124.1 61.0 91.6#



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: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD058154.D

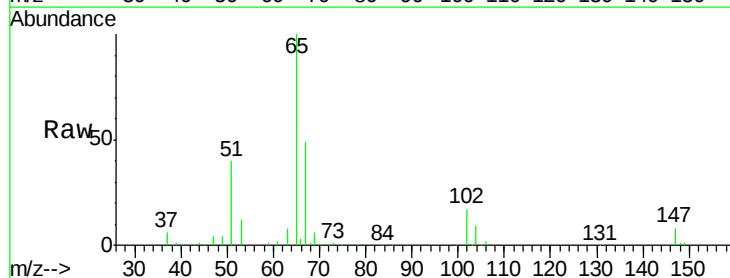
Acq: 15 Jun 2018 15:57

Tgt Ion: 65 Resp: 410051

Ion Ratio Lower Upper

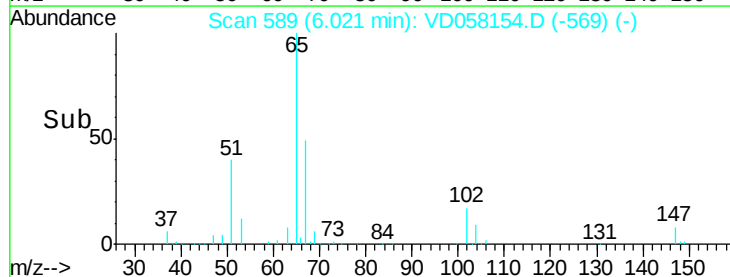
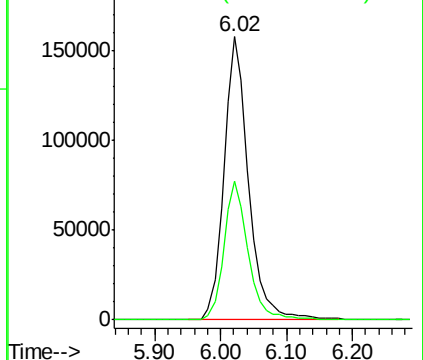
65 100

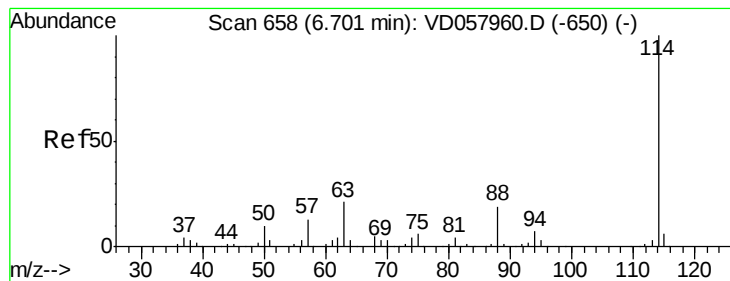
67 48.8 0.0 94.0



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: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

Instrument :

MSVOA_D

ClientSampleId :

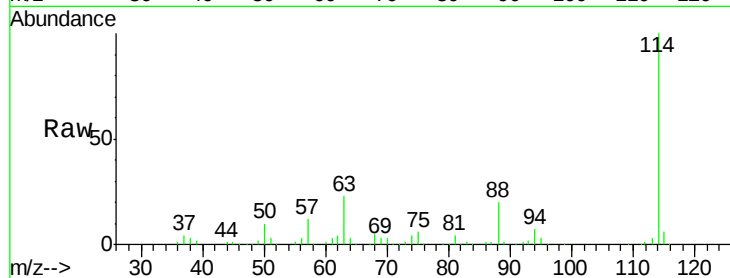
Tot Ion:114 Resp: 1163927

Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.8

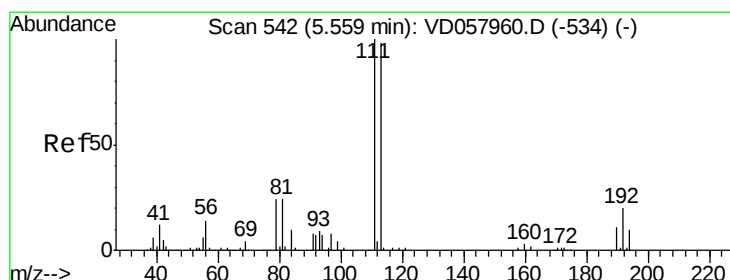
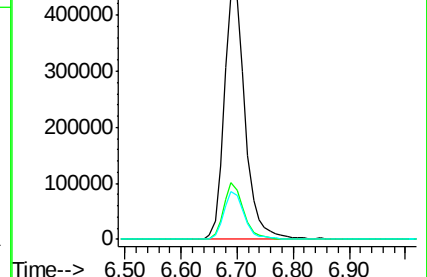
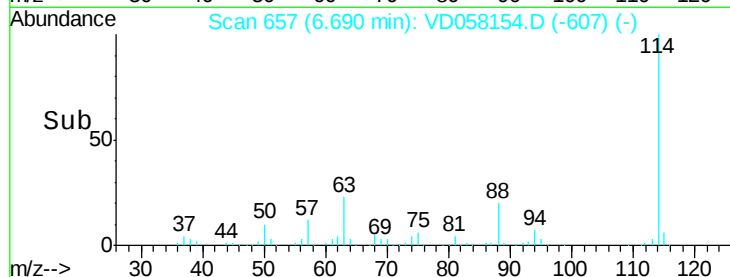
88 19.6 0.0 37.8



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. -0.01 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

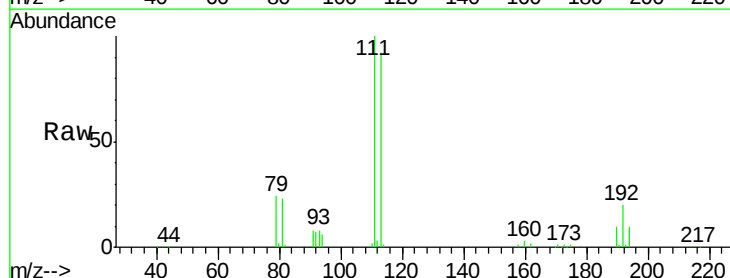
Tgt Ion:113 Resp: 432174

Ion Ratio Lower Upper

113 100

111 108.3 81.5 122.3

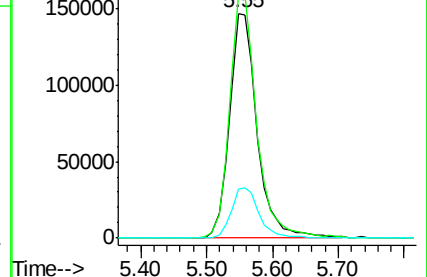
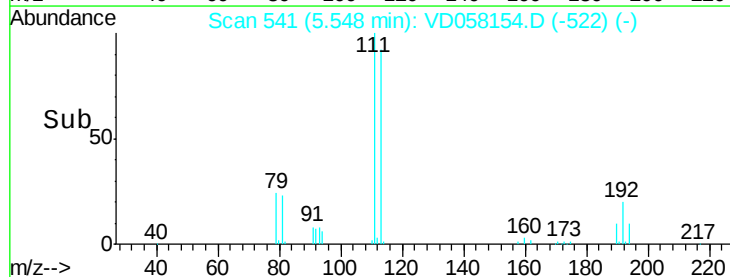
192 21.7 16.4 24.6

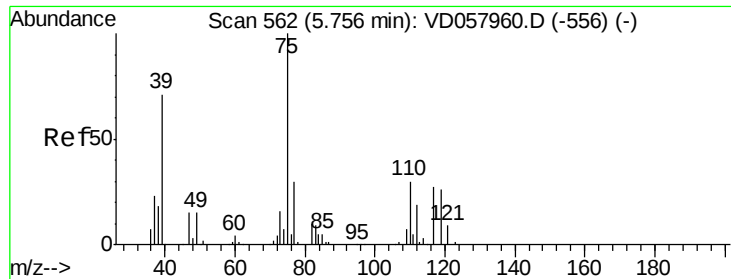


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.102 ug/l

RT: 5.65 min Scan# 551

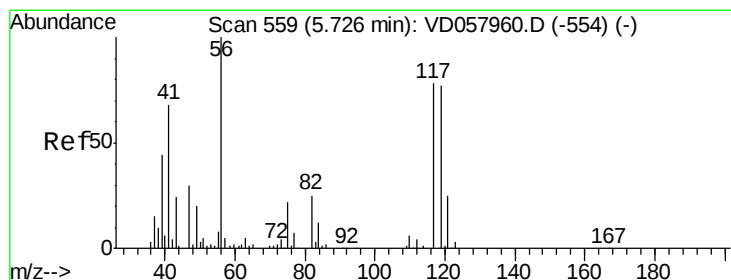
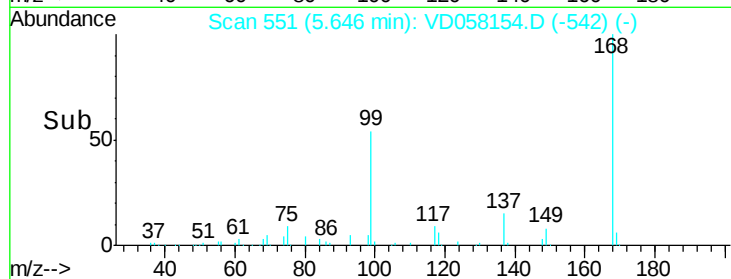
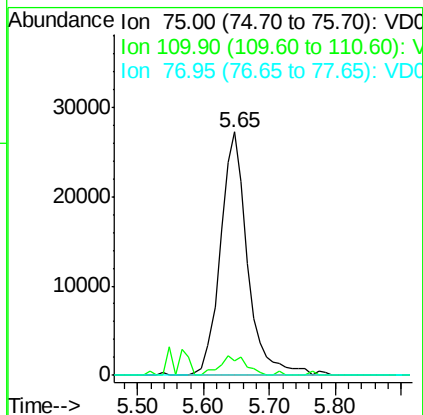
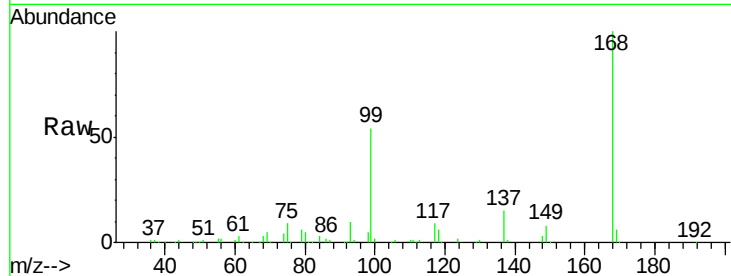
Delta R.T. -0.11 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	78253
Ion	Ratio	Lower	Upper
75	100		
110	6.1	14.8	44.3#
77	0.0	23.9	35.9#



#38

Carbon Tetrachloride

Concen: 6.000 ug/l

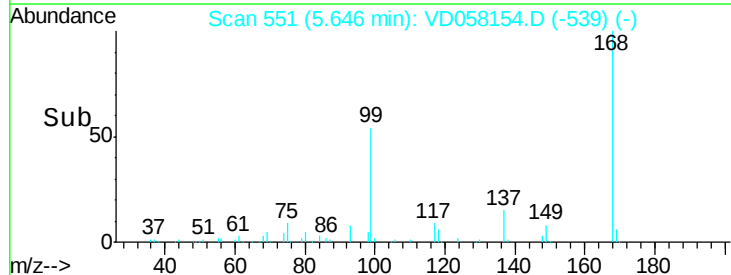
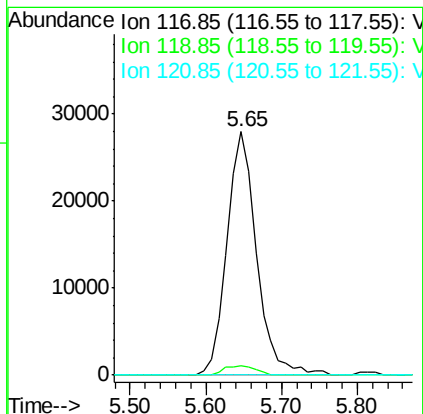
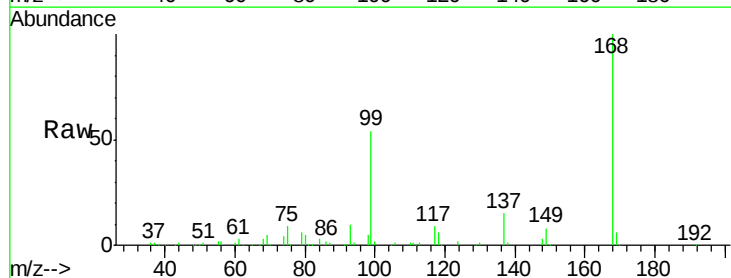
RT: 5.65 min Scan# 551

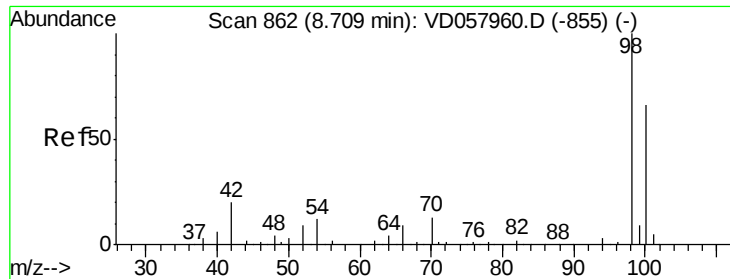
Delta R.T. -0.08 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

Tgt Ion:	117	Resp:	75833
Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.1	114.1#
121	0.0	24.9	37.3#

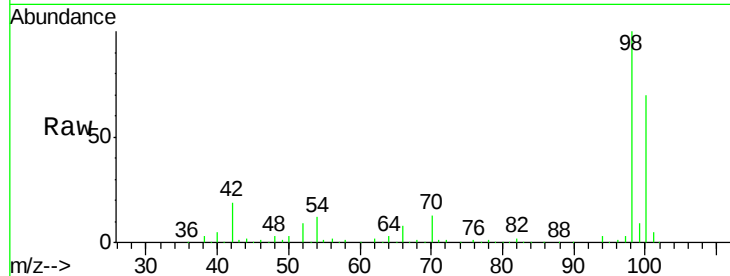




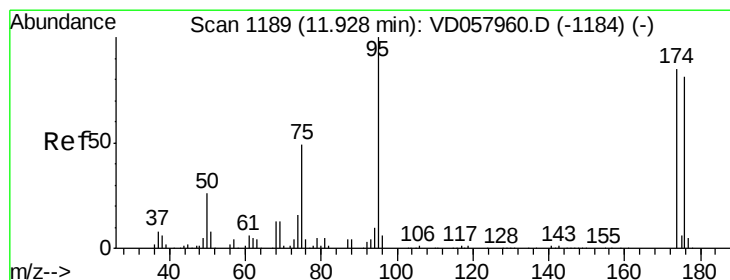
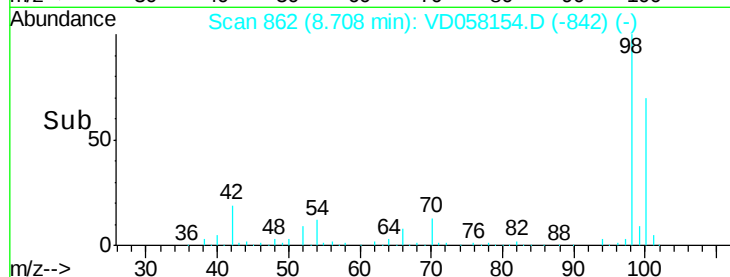
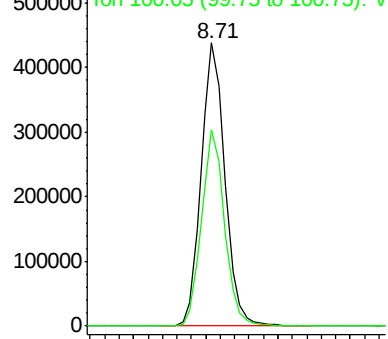
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058154.D
Acq: 15 Jun 2018 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1005518
Ion Ratio Lower Upper
98 100
100 69.5 53.4 80.0

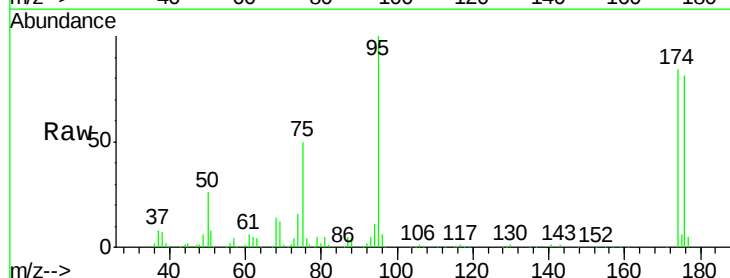


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

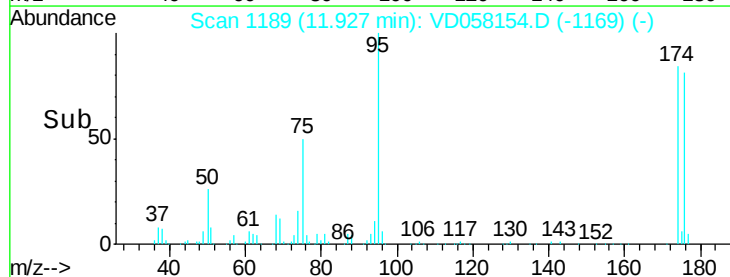
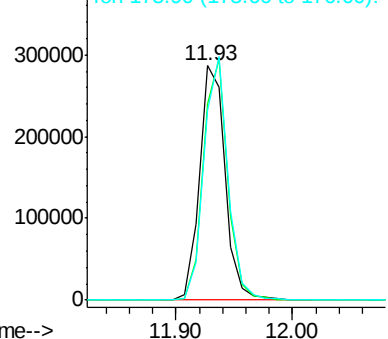


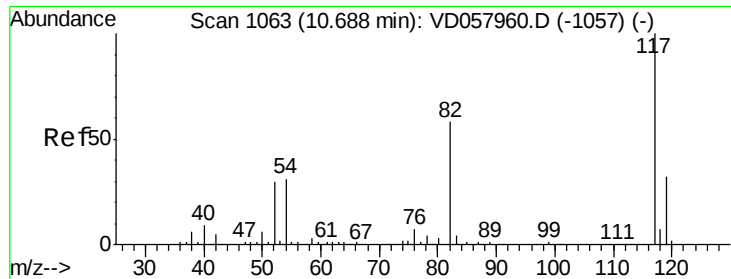
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD058154.D
Acq: 15 Jun 2018 15:57

Tgt Ion: 95 Resp: 436015
Ion Ratio Lower Upper
95 100
174 83.9 0.0 169.4
176 80.7 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

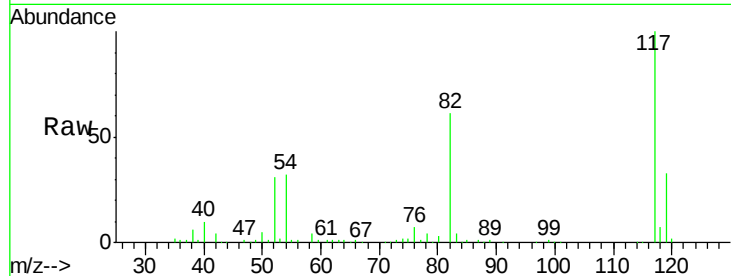




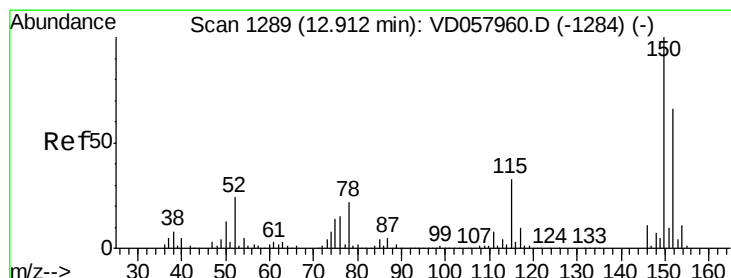
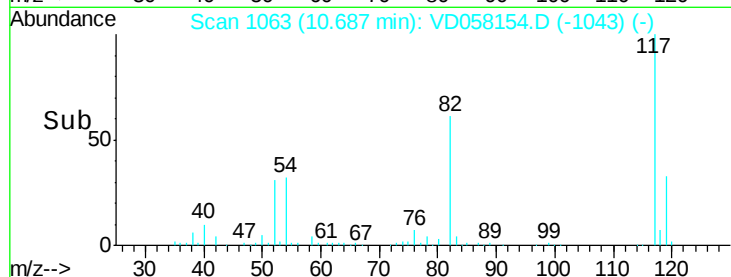
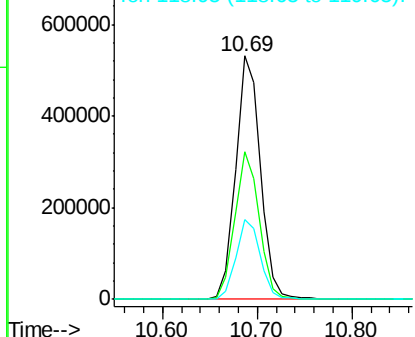
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058154.D
Acq: 15 Jun 2018 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 959770
Ion Ratio Lower Upper
117 100
82 60.8 46.8 70.2
119 32.9 25.8 38.6

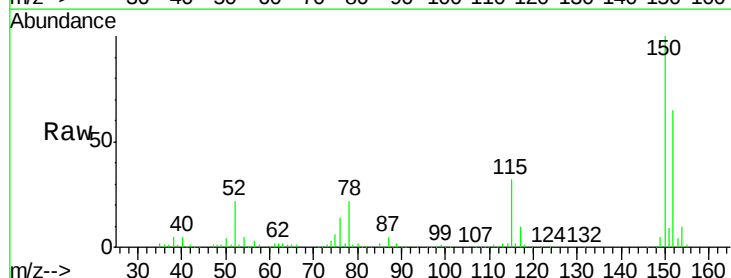


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

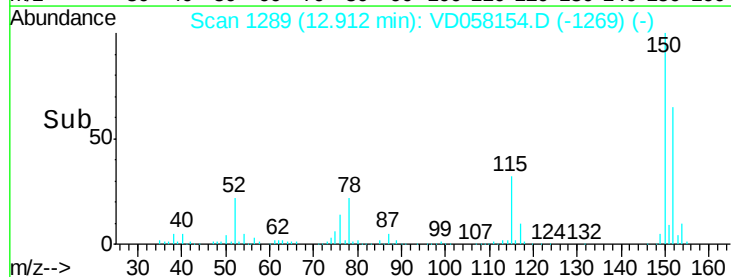
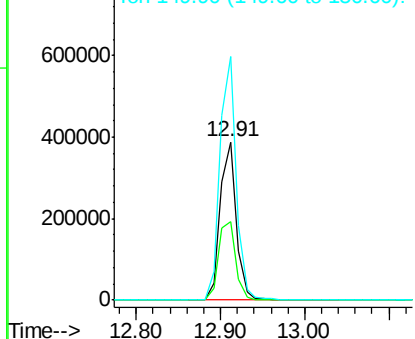


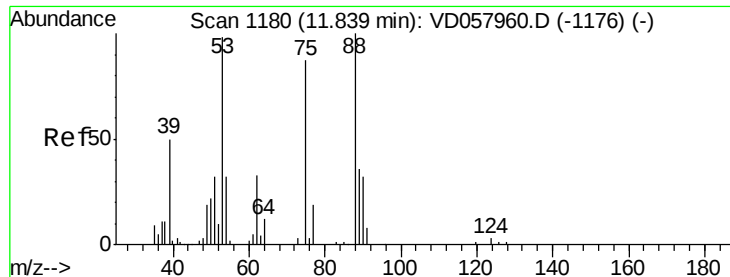
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058154.D
Acq: 15 Jun 2018 15:57

Tgt Ion:152 Resp: 514299
Ion Ratio Lower Upper
152 100
115 50.0 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: 109.767 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

Instrument :

MSVOA_D

ClientSampleId :

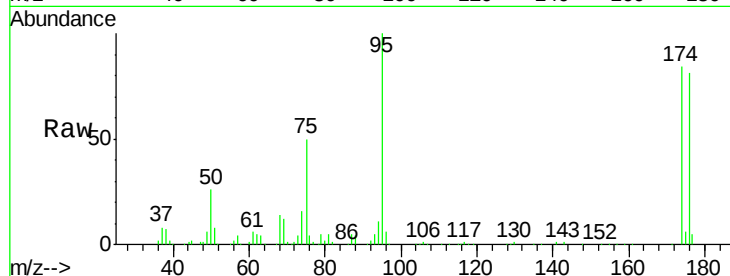
Tot Ion: 75 Resp: 210039

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

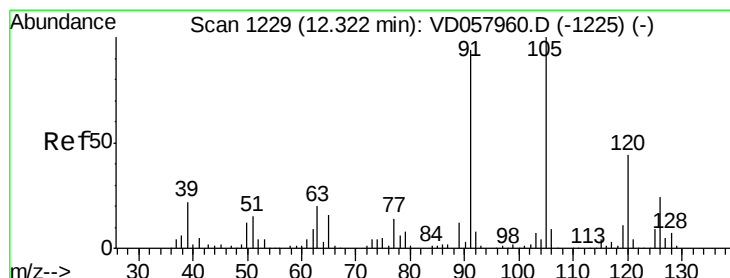
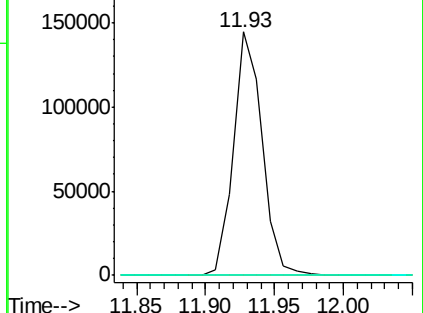
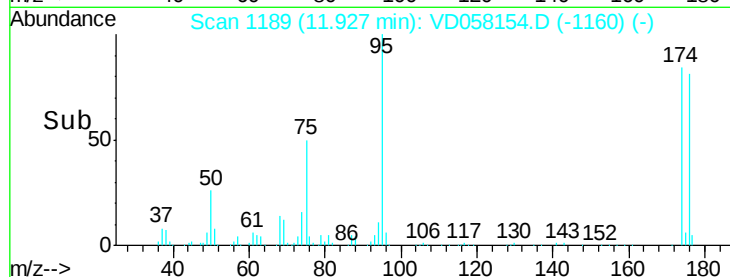
89 0.0 33.3 49.9#



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: VD058154.D

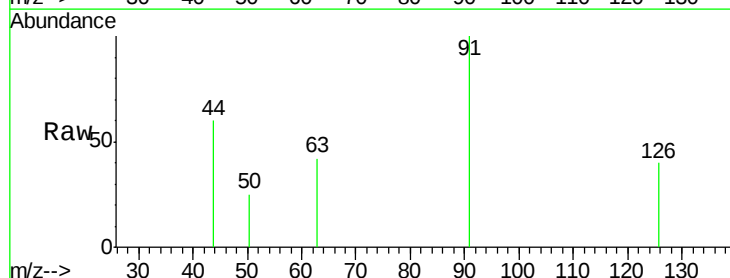
Acq: 15 Jun 2018 15:57

Tgt Ion: 91 Resp: 1701

Ion Ratio Lower Upper

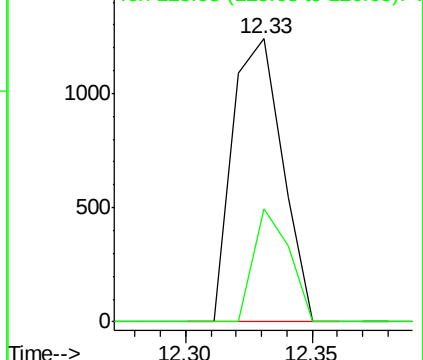
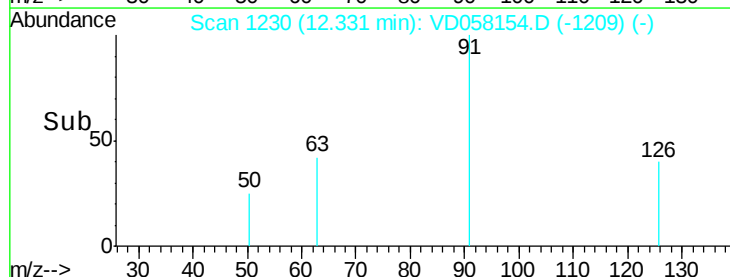
91 100

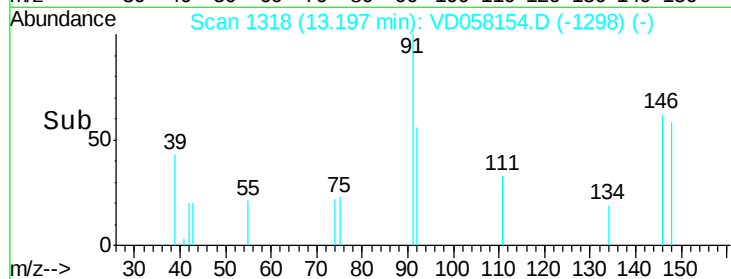
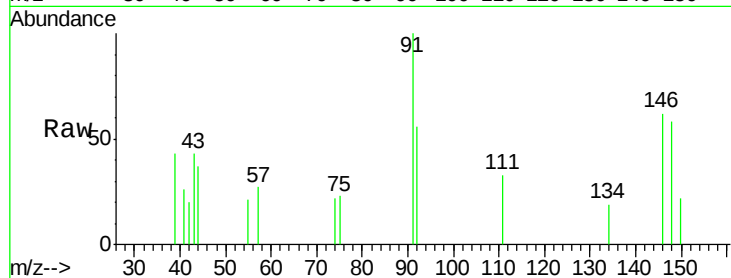
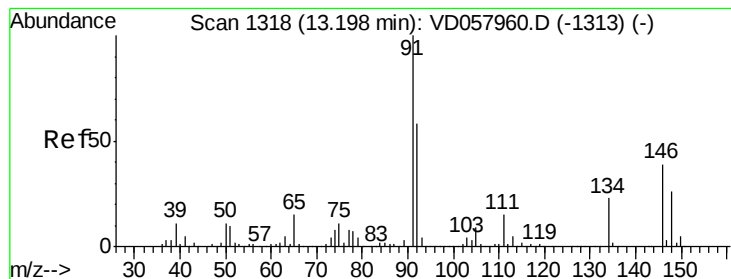
126 39.9 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058154.D

Acq: 15 Jun 2018 15:57

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 91 Resp: 2067

Ion Ratio Lower Upper

91 100

92 55.5 29.2 87.6

134 18.8 11.3 33.9

