

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058026.D
 Acq On : 8 Jun 2018 19:06
 Operator : VA/AP
 Sample : J3247-01
 Misc : 5.95g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:57:20 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	585772	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	750781	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	518102	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	245153	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	330764	56.48	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	112.96%	
35) Dibromofluoromethane	5.54	113	345408	59.46	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.92%	
50) Toluene-d8	8.70	98	493528	35.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.48%	
62) 4-Bromofluorobenzene	11.93	95	278561	46.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.48%	

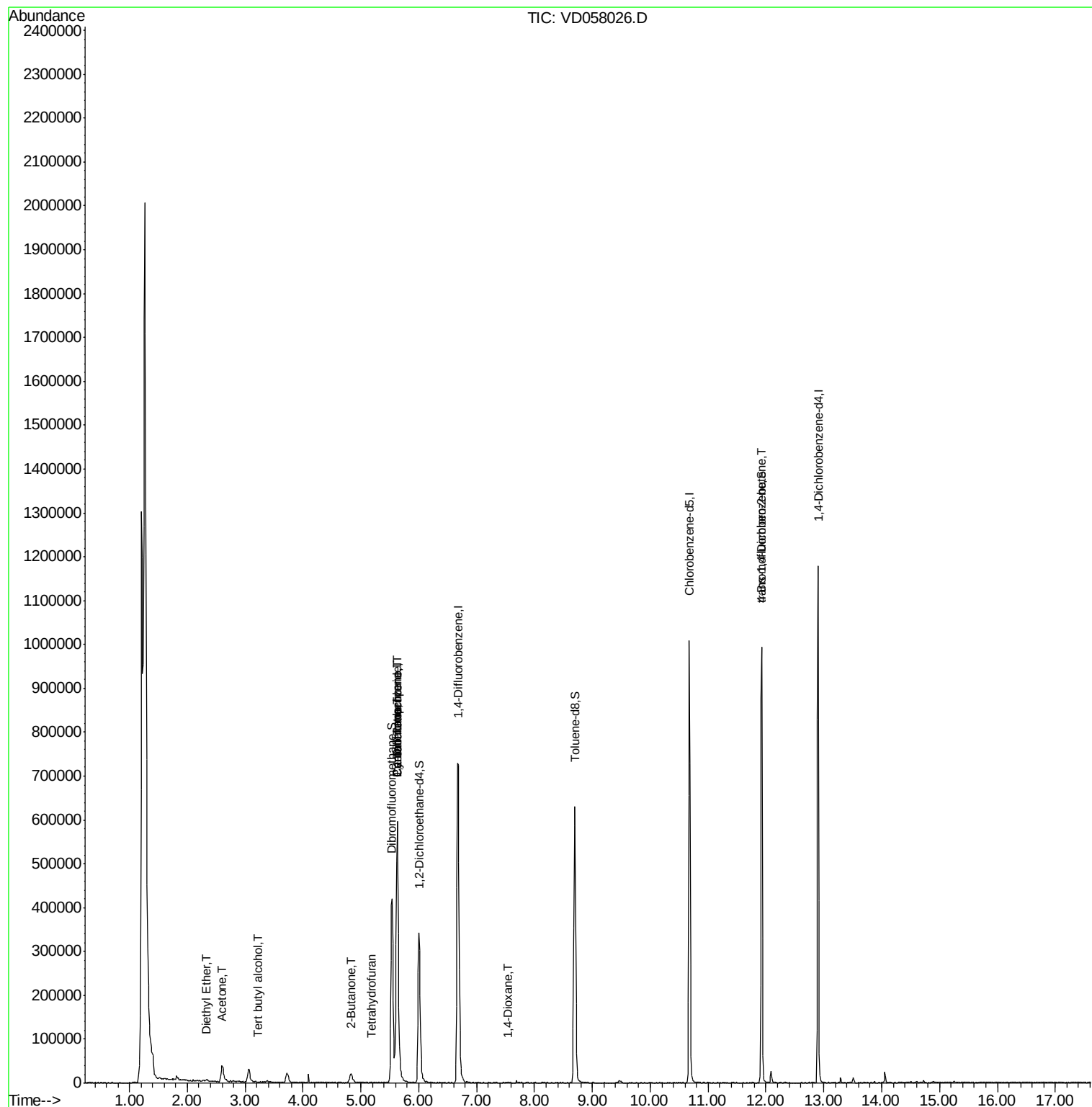
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.34	74	1683	1.768	ug/l	68
11) Tert butyl alcohol	3.24	59	459	2.926	ug/l #	74
16) Acetone	2.60	43	84496	100.146	ug/l #	86
20) Methylene Chloride	3.07	84	13694	Below Cal		94
25) 2-Butanone	4.83	43	3919	2.044	ug/l #	64
29) Tetrahydrofuran	5.18	42	1346	1.339	ug/l #	39
31) Cyclohexane	5.63	56	13464	1.322	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	50090	6.056	ug/l #	51
38) Carbon Tetrachloride	5.63	117	49541	6.077	ug/l #	15
49) 1,4-Dioxane	7.54	88	204	6.768	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	136067	149.178	ug/l #	6
82) 4-Chlorotoluene	12.32	91	743	Below Cal	#	50
89) n-Butylbenzene	13.19	91	221	Below Cal	#	30

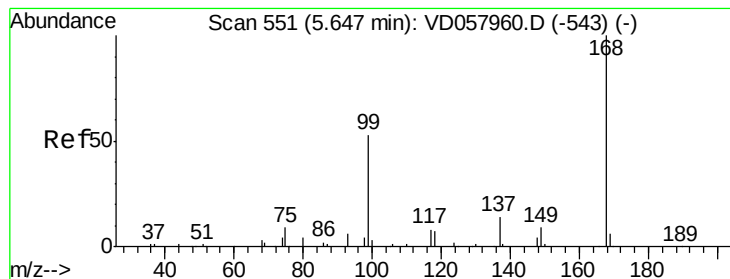
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

Instrument :

MSVOA_D

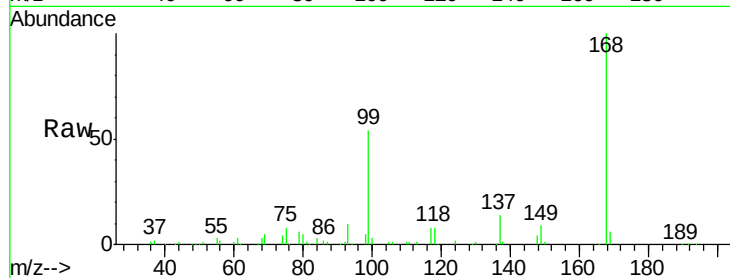
ClientSampleId :

Tot Ion:168 Resp: 585772

Ion Ratio Lower Upper

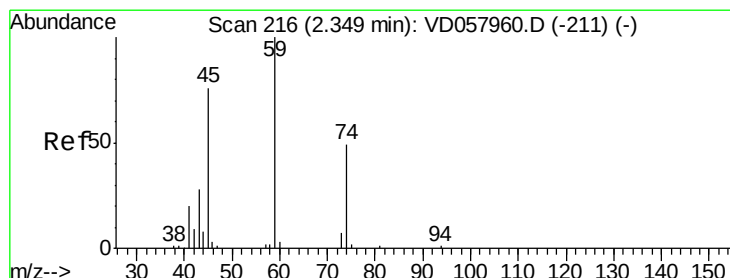
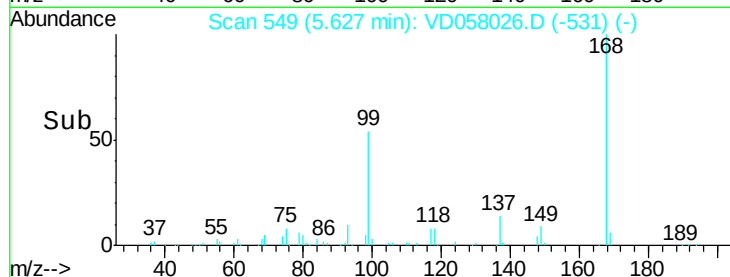
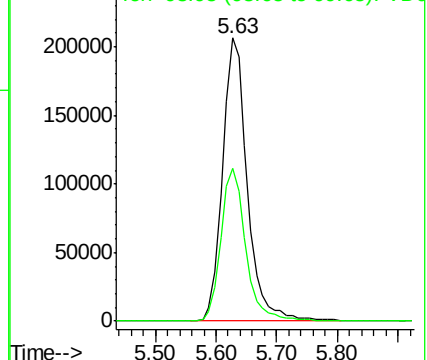
168 100

99 53.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.768 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.01 min

Lab File: VD058026.D

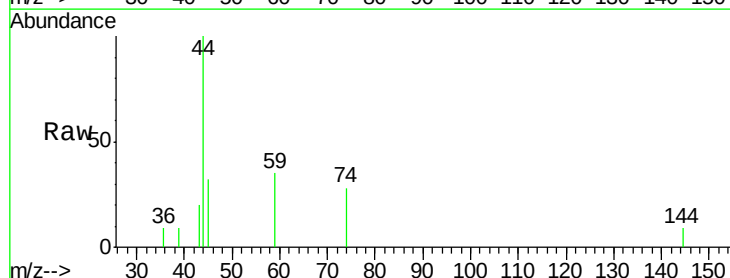
Acq: 8 Jun 2018 19:06

Tgt Ion: 74 Resp: 1683

Ion Ratio Lower Upper

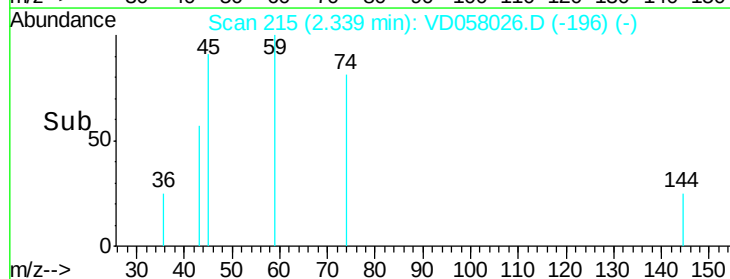
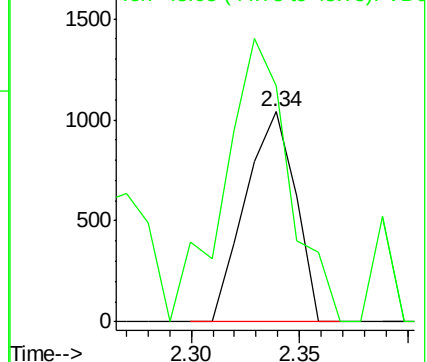
74 100

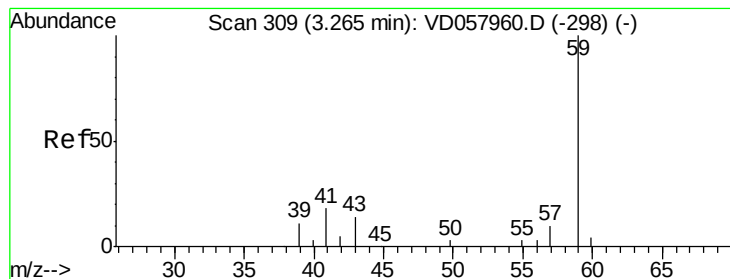
45 112.4 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



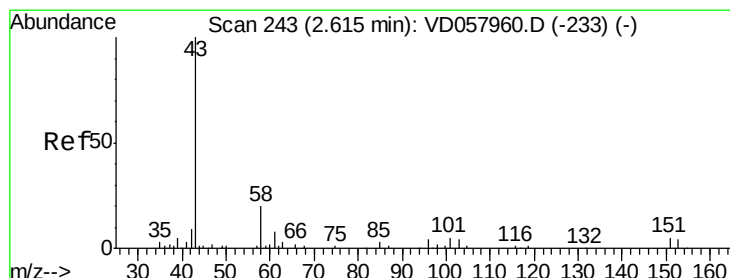
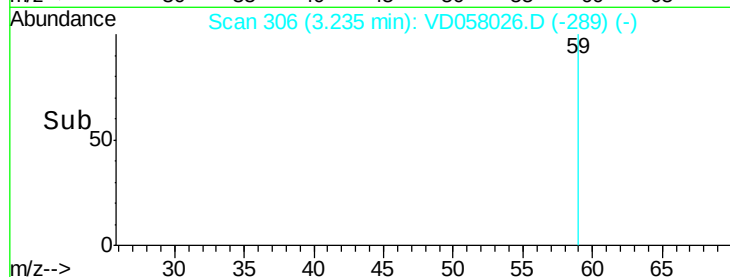
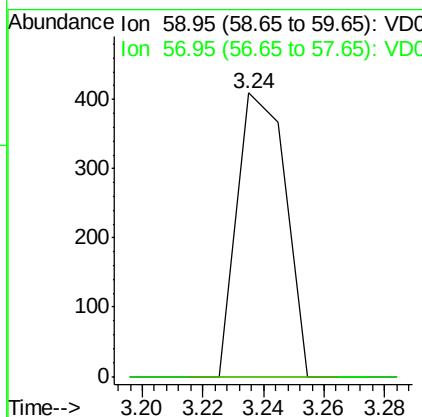
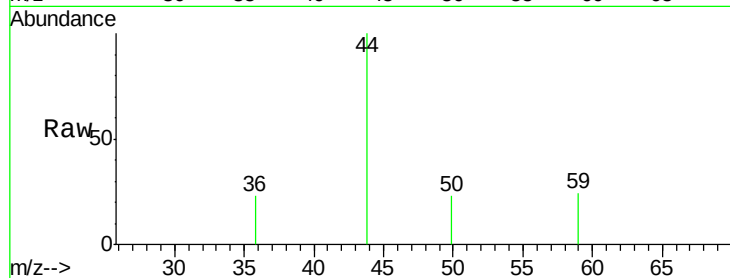


#11

Tert butyl alcohol
 Concen: 2.926 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VD058026.D
 Acq: 8 Jun 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleId :

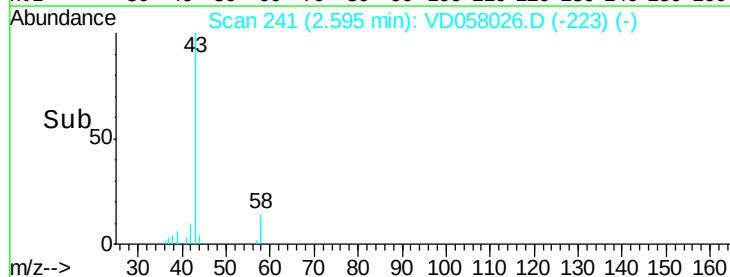
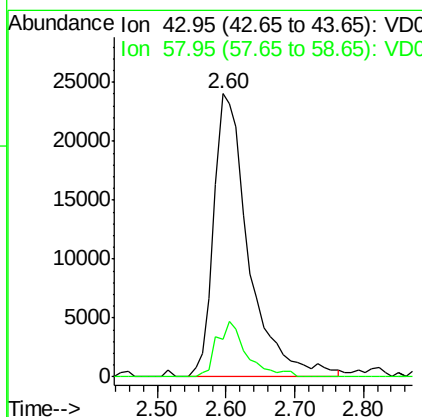
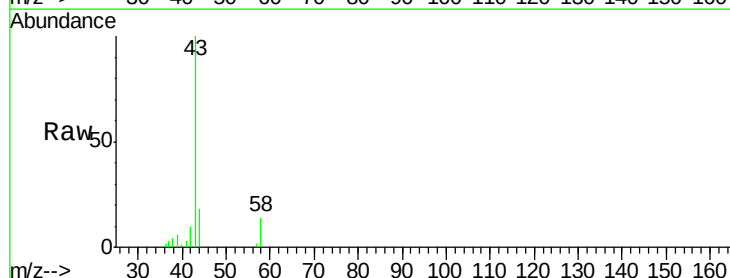
Tot Ion: 59 Resp: 459
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

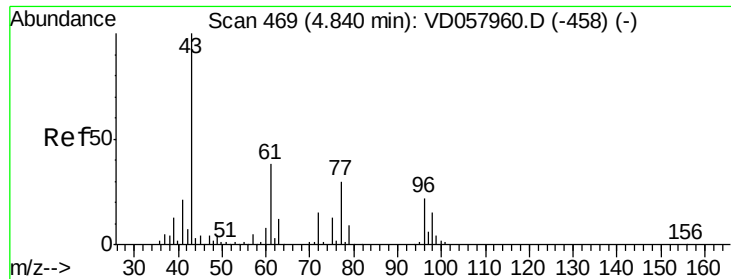


#16

Acetone
 Concen: 100.146 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VD058026.D
 Acq: 8 Jun 2018 19:06

Tgt Ion: 43 Resp: 84496
 Ion Ratio Lower Upper
 43 100
 58 13.5 15.8 23.8#





#25

2-Butanone

Concen: 2.044 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

Instrument :

MSVOA_D

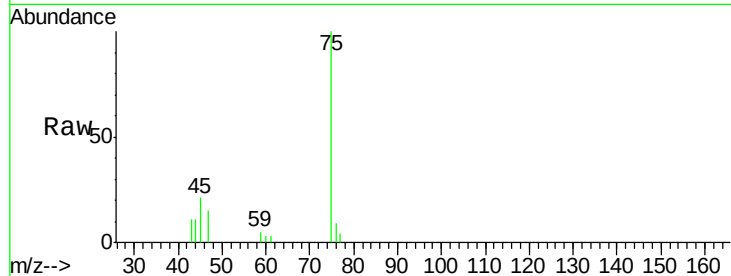
ClientSampled :

Tot Ion: 43 Resp: 3919

Ion Ratio Lower Upper

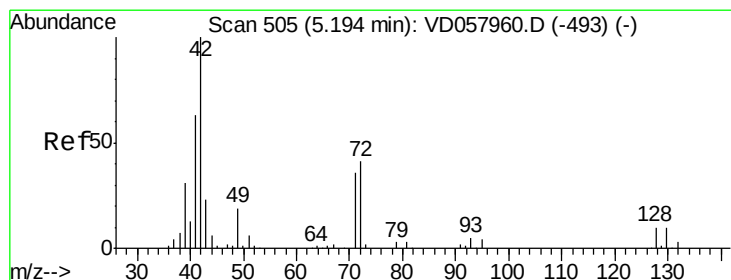
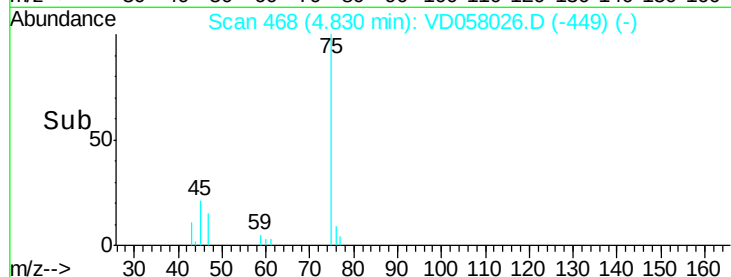
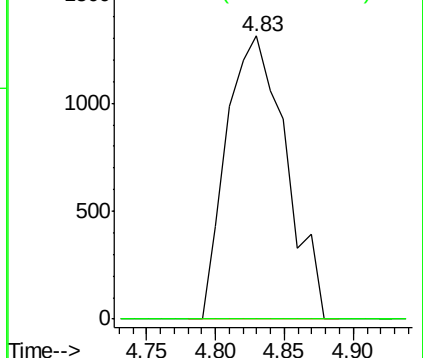
43 100

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: 1.339 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

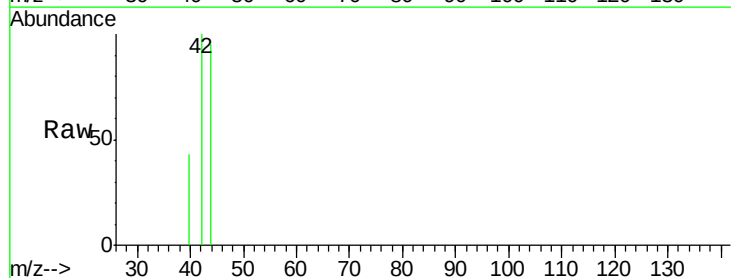
Tgt Ion: 42 Resp: 1346

Ion Ratio Lower Upper

42 100

72 0.0 28.5 42.7#

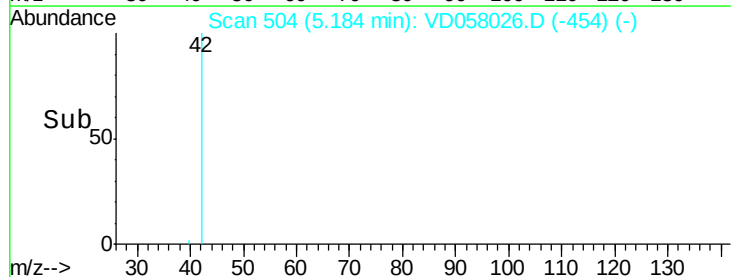
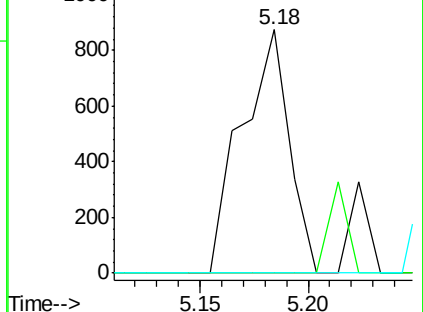
71 0.0 27.9 41.9#

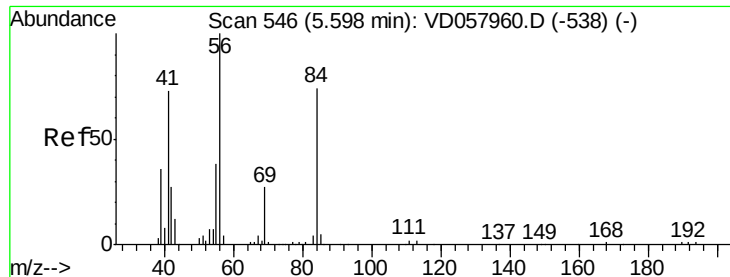


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.322 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

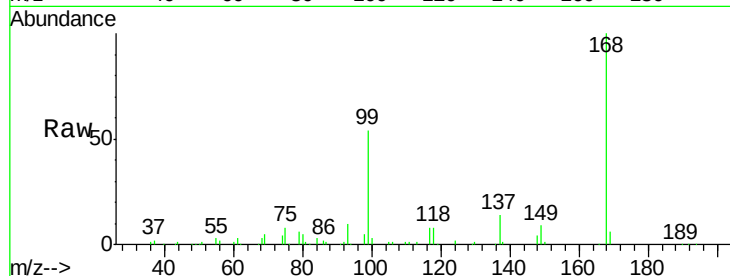
Tot Ion: 56 Resp: 13464

Ion Ratio Lower Upper

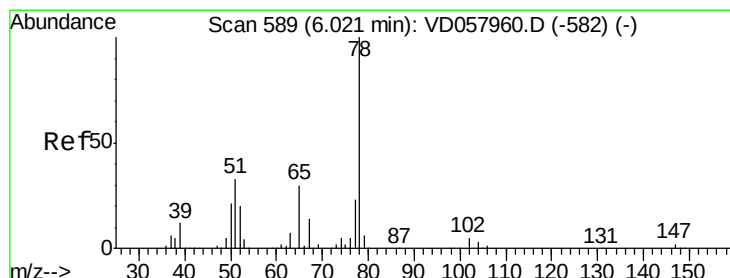
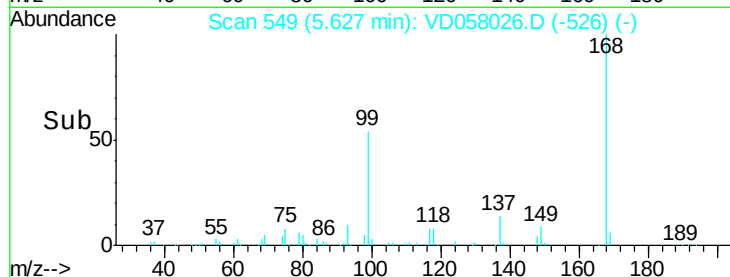
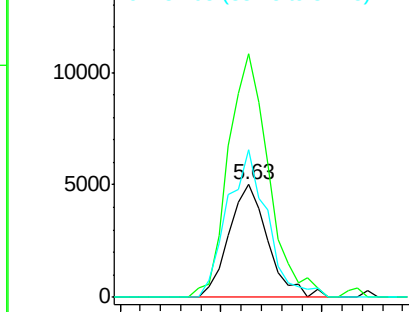
56 100

69 216.5 21.5 32.3#

84 131.1 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: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058026.D

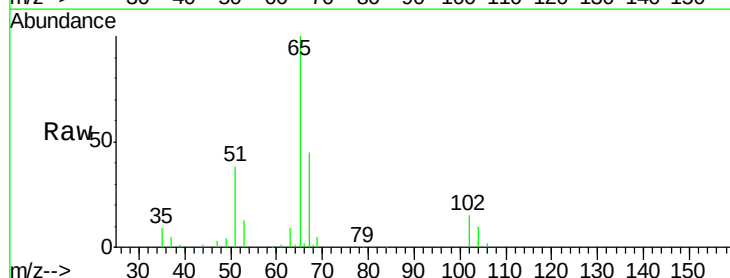
Acq: 8 Jun 2018 19:06

Tgt Ion: 65 Resp: 330764

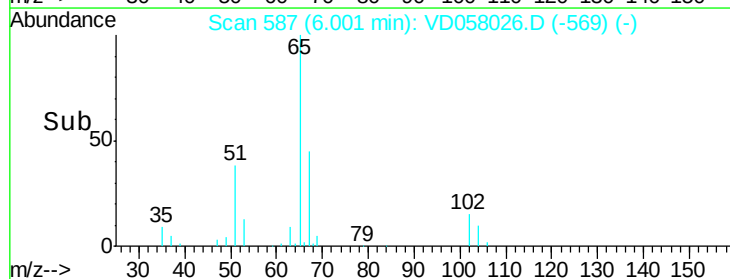
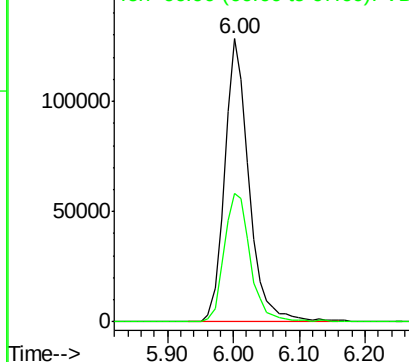
Ion Ratio Lower Upper

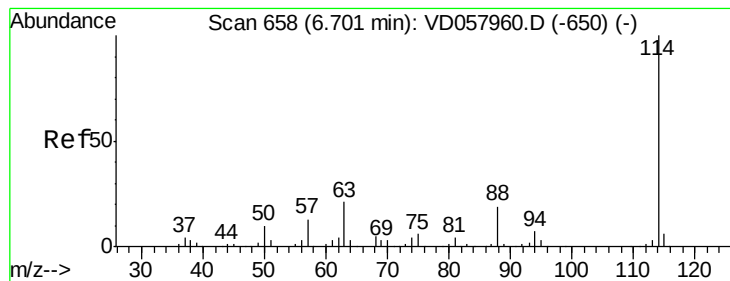
65 100

67 45.5 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: VD058026.D

Acq: 8 Jun 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

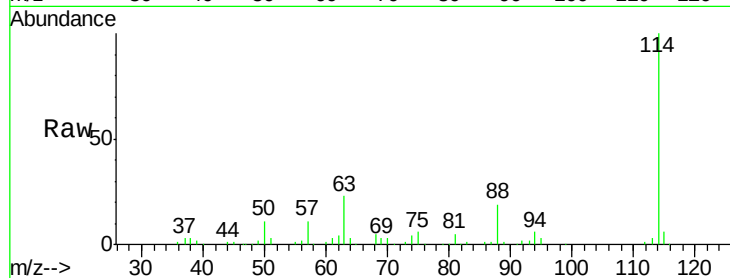
Tot Ion:114 Resp: 750781

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.8

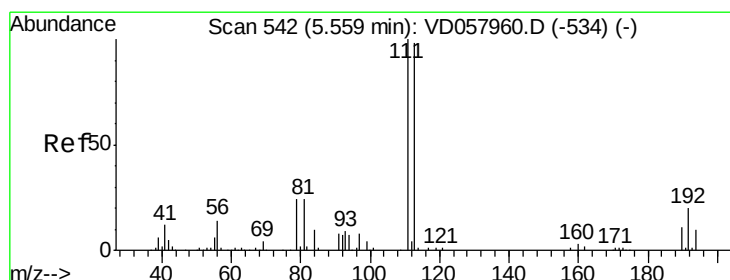
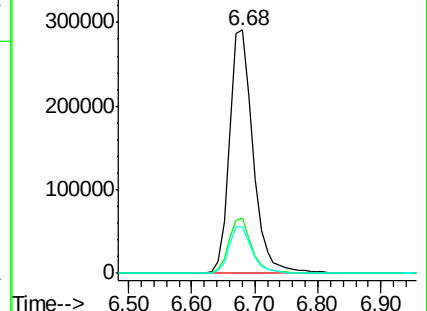
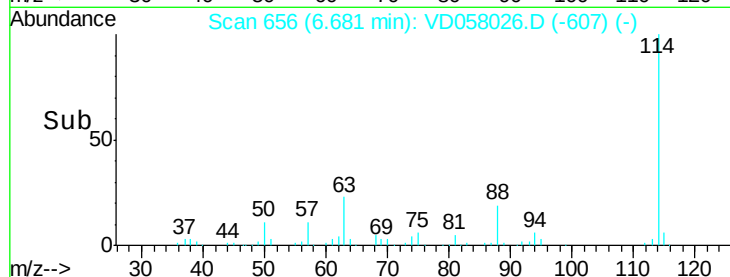
88 18.9 0.0 37.8



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: VD058026.D

Acq: 8 Jun 2018 19:06

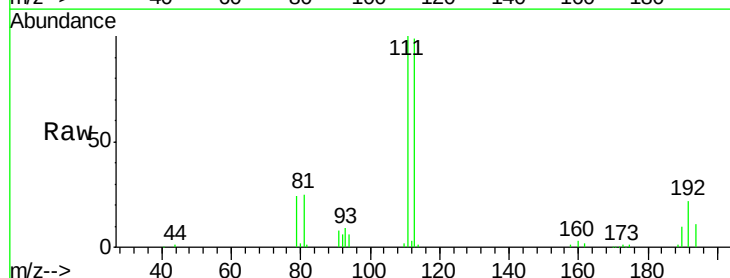
Tgt Ion:113 Resp: 345408

Ion Ratio Lower Upper

113 100

111 101.2 81.5 122.3

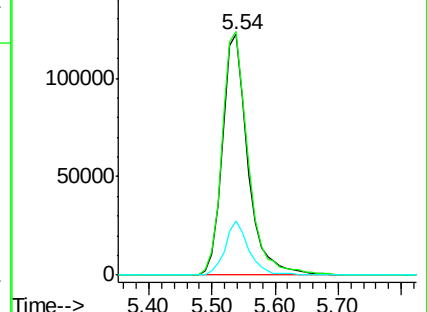
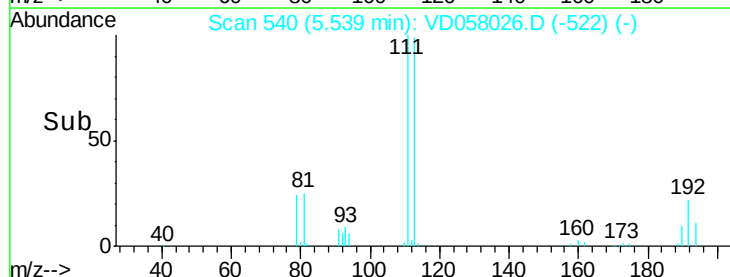
192 22.6 16.4 24.6

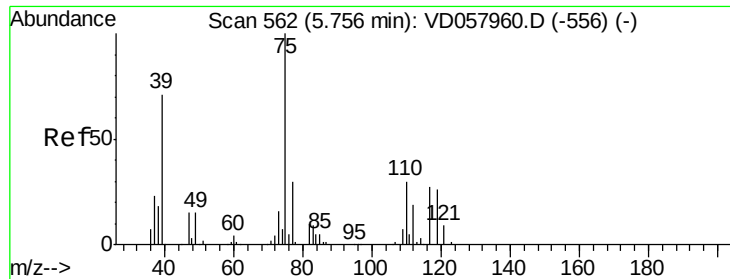


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

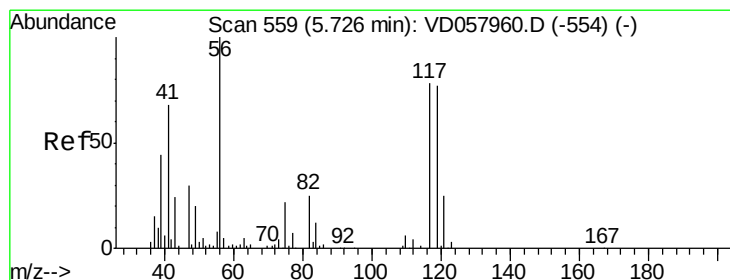
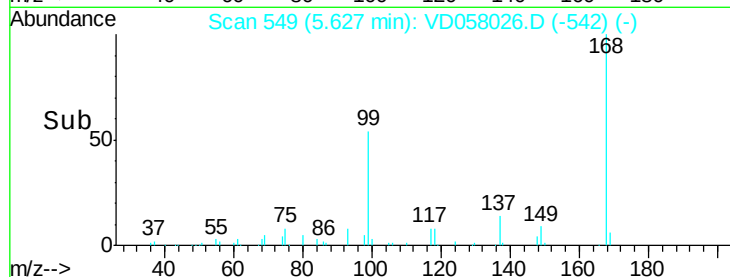
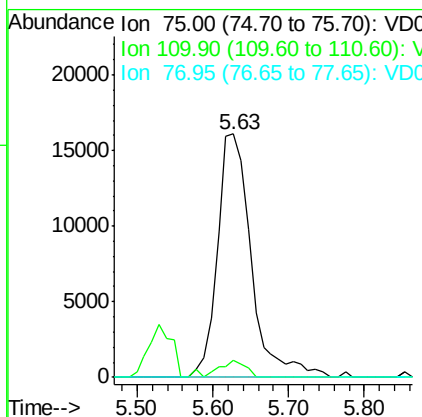
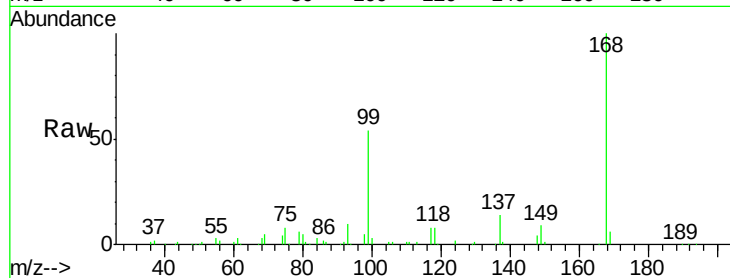




#36
 1,1-Dichloropropene
 Concen: 6.056 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.13 min
 Lab File: VD058026.D
 Acq: 8 Jun 2018 19:06

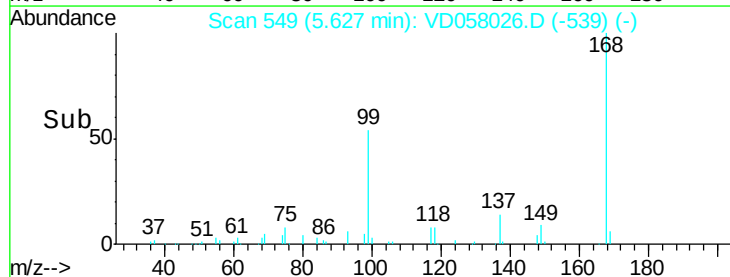
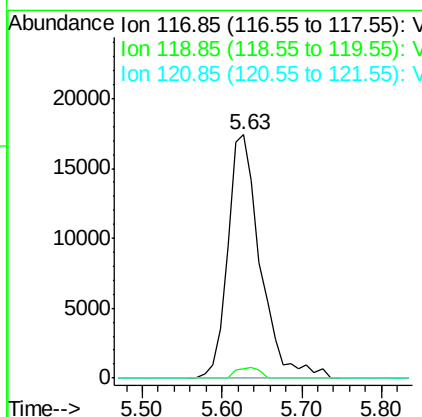
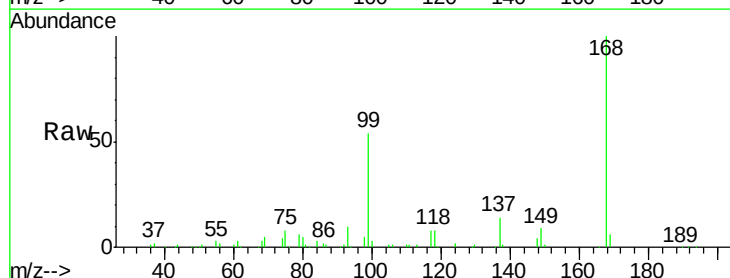
Instrument :
 MSVOA_D
 ClientSampled :

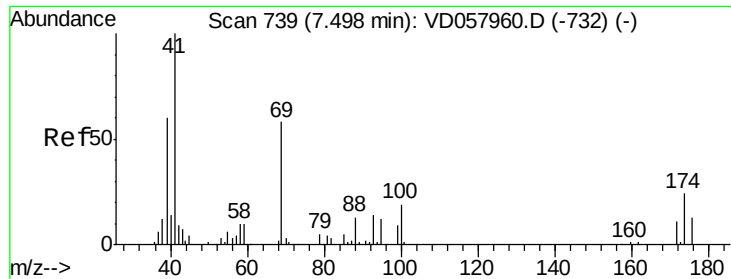
Tot Ion: 75 Resp: 50090
 Ion Ratio Lower Upper
 75 100
 110 6.9 14.8 44.3#
 77 0.0 23.9 35.9#



#38
 Carbon Tetrachloride
 Concen: 6.077 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.10 min
 Lab File: VD058026.D
 Acq: 8 Jun 2018 19:06

Tgt Ion: 117 Resp: 49541
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.1 114.1#
 121 0.0 24.9 37.3#

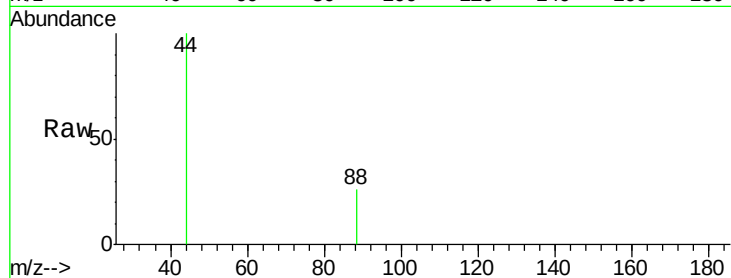




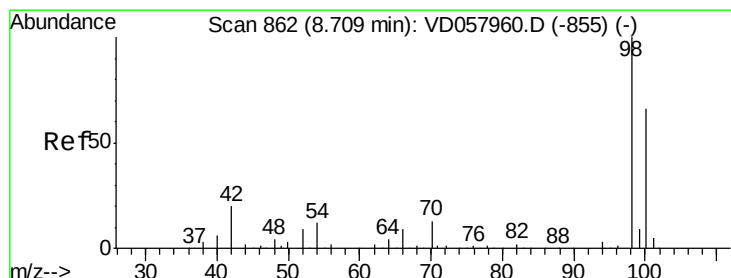
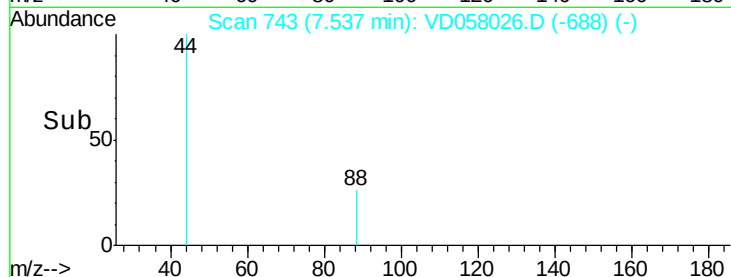
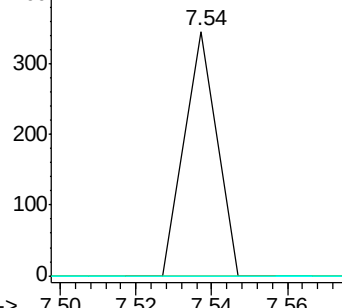
#49
1,4-Dioxane
Concen: 6.768 ug/l
RT: 7.54 min Scan# 743
Delta R.T. 0.04 min
Lab File: VD058026.D
Acq: 8 Jun 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
43 0.0 46.6 69.8#
58 0.0 63.6 95.4#

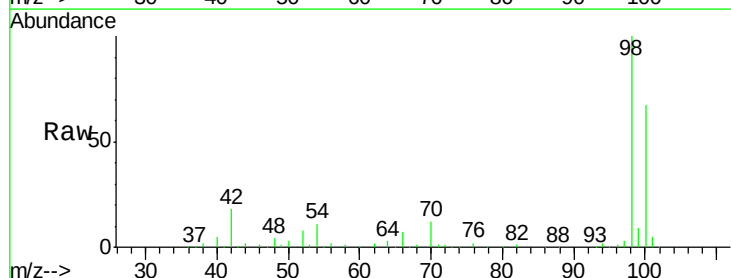


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

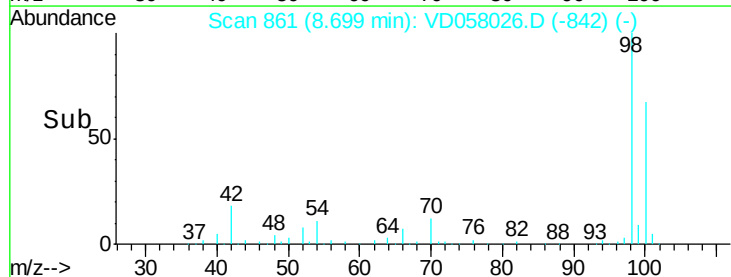
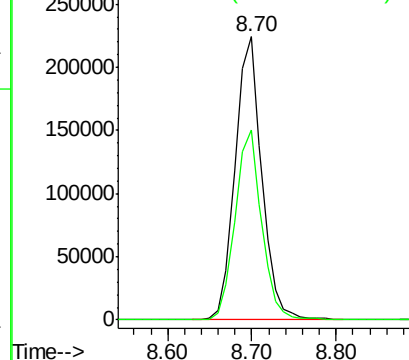


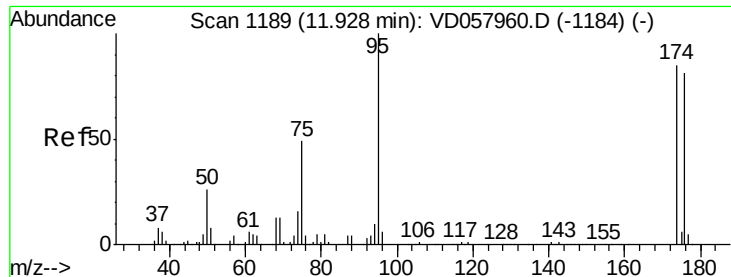
#50
Toluene-d8
Concen: 6.768 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058026.D
Acq: 8 Jun 2018 19:06

Tgt Ion: 98 Resp: 493528
Ion Ratio Lower Upper
98 100
100 67.2 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: VD058026.D

Acq: 8 Jun 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

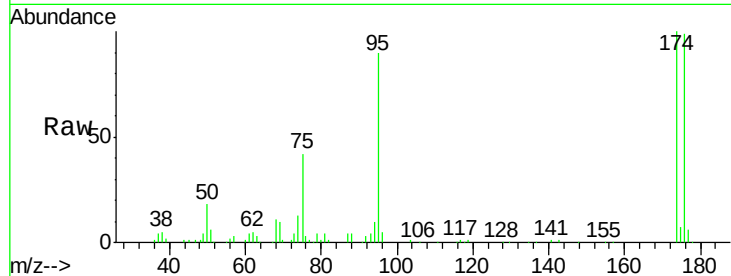
Tot Ion: 95 Resp: 278561

Ion Ratio Lower Upper

95 100

174 110.6 0.0 169.4

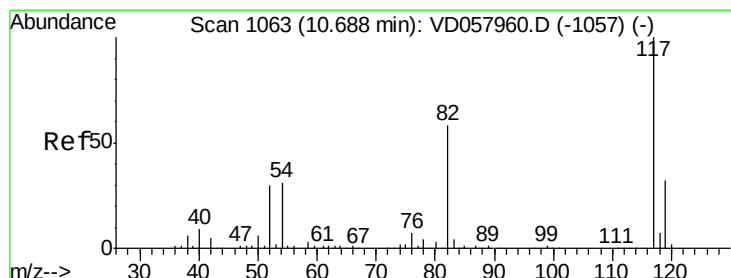
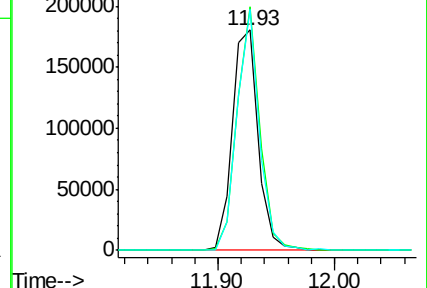
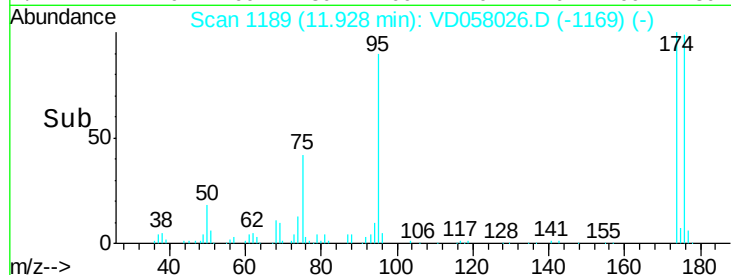
176 109.2 0.0 162.6



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: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

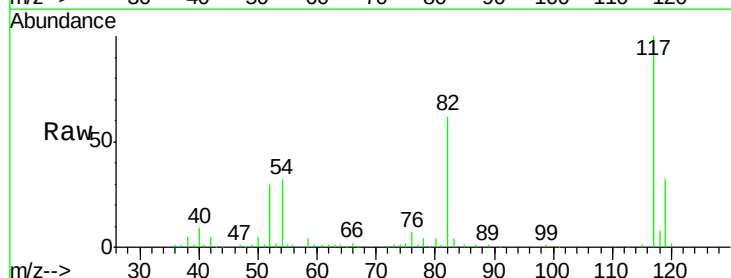
Tgt Ion: 117 Resp: 518102

Ion Ratio Lower Upper

117 100

82 61.9 46.8 70.2

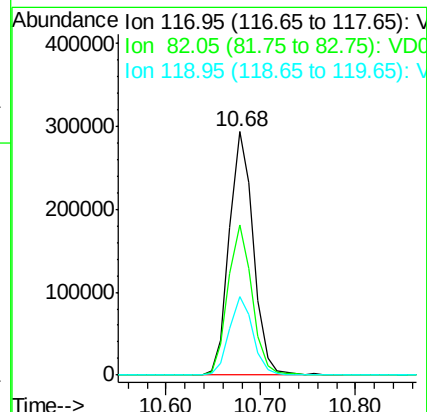
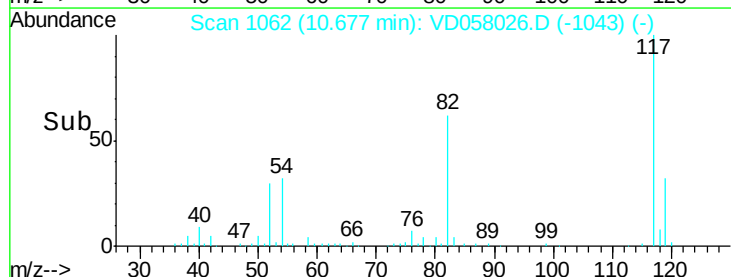
119 32.3 25.8 38.6

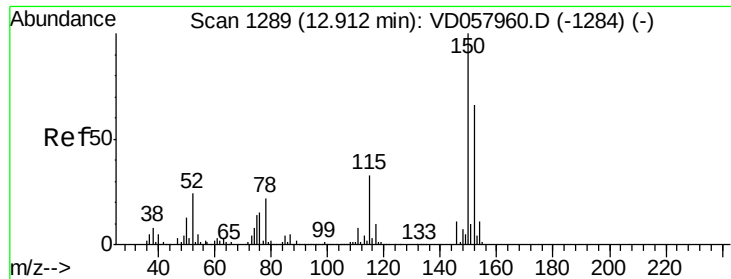


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

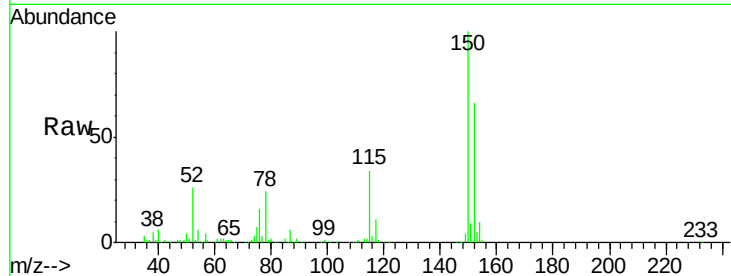
Tot Ion:152 Resp: 245153

Ion Ratio Lower Upper

152 100

115 51.1 25.6 76.6

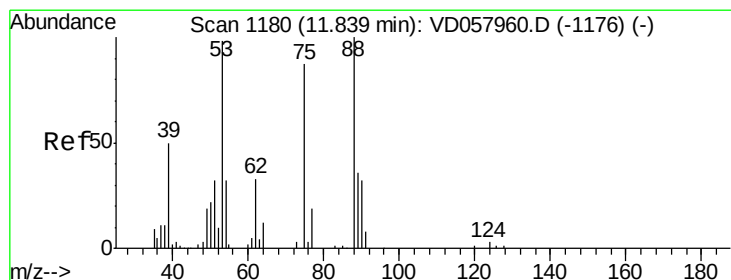
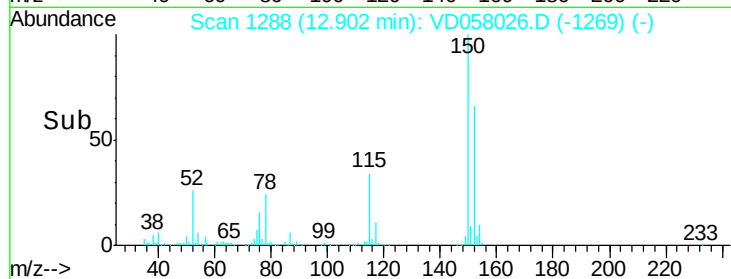
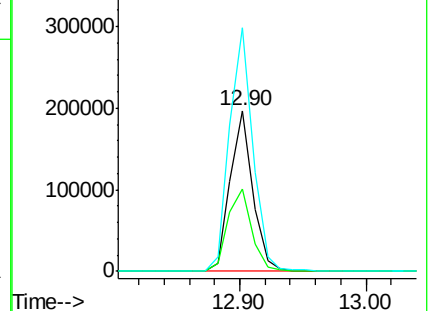
150 151.3 0.0 306.8



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: 149.178 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

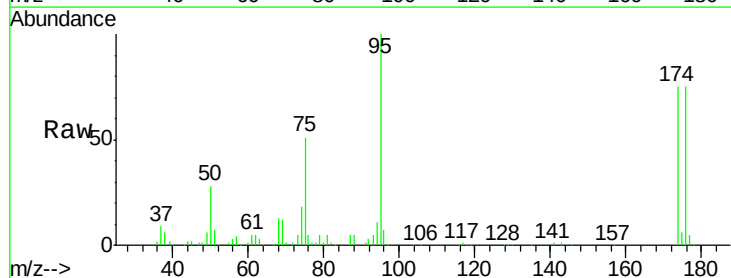
Tgt Ion: 75 Resp: 136067

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

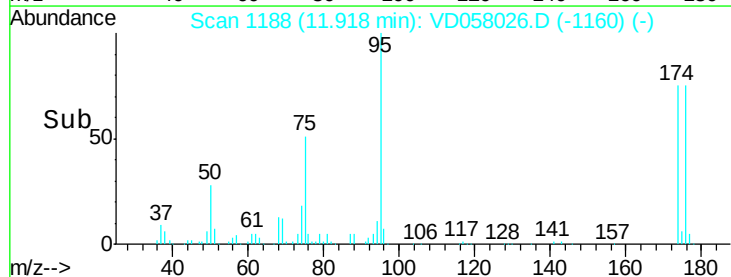
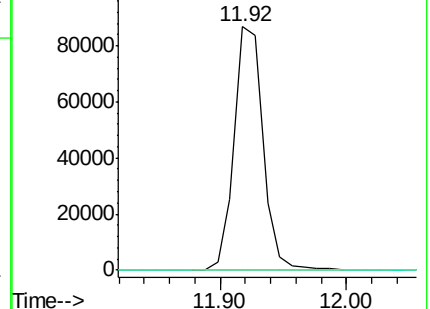
89 0.0 33.3 49.9#

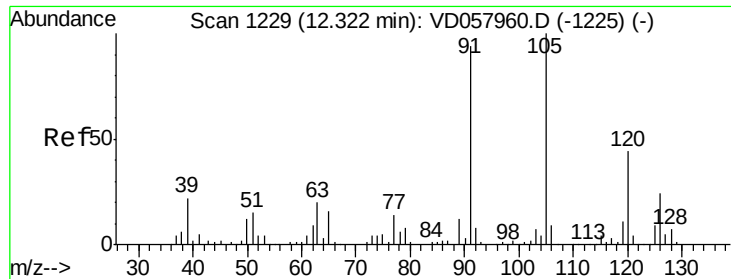


Abundance Ion 75.00 (74.70 to 75.70): VDC

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# 1229

Delta R.T. 0.00 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

Instrument :

MSVOA_D

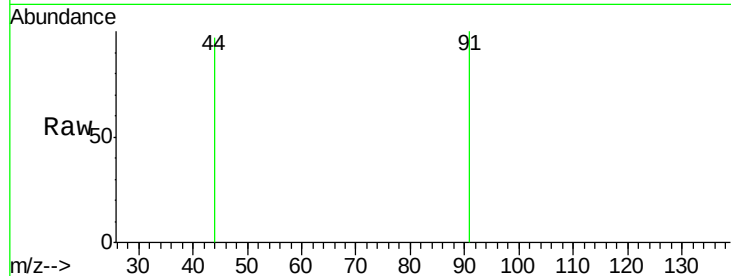
ClientSampleId :

Tot Ion: 91 Resp: 743

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

12.32

800

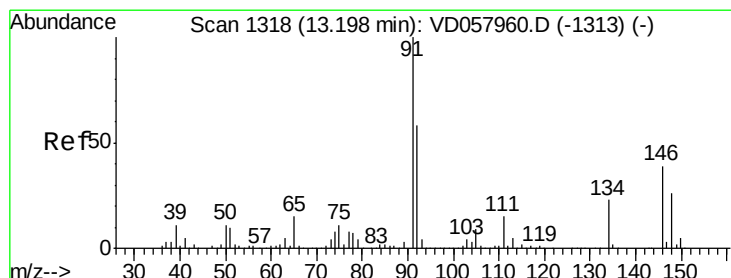
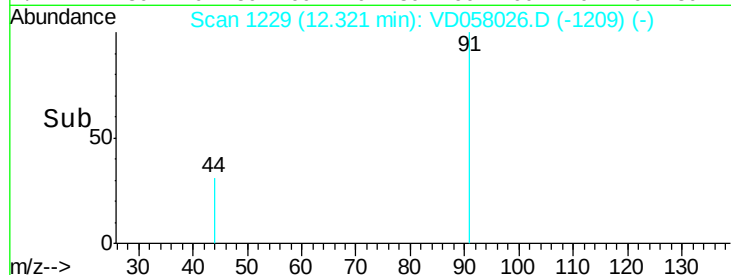
600

400

200

0

Time-->



#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058026.D

Acq: 8 Jun 2018 19:06

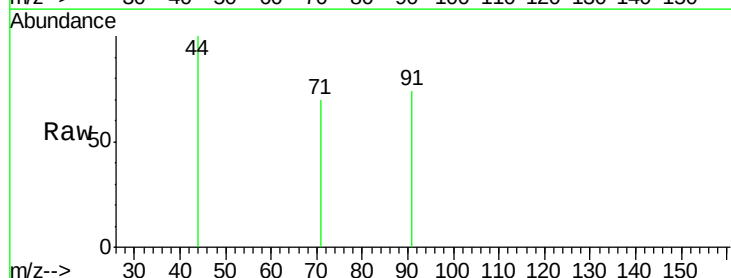
Tgt Ion: 91 Resp: 221

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

13.19

400

300

200

100

0

Time-->

