

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057981.D
 Acq On : 7 Jun 2018 19:39
 Operator : JC/SY
 Sample : J3344-01
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HS-YARD-1

Quant Time: Jun 08 06:50:38 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	5.64	168	777077	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	995164	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	843493	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	415796	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	372533	47.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.90%	
35) Dibromofluoromethane	5.54	113	33829	4.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	8.78%	
50) Toluene-d8	8.70	98	840676	45.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	91.84%	
62) 4-Bromofluorobenzene	11.93	95	379658	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.08%	

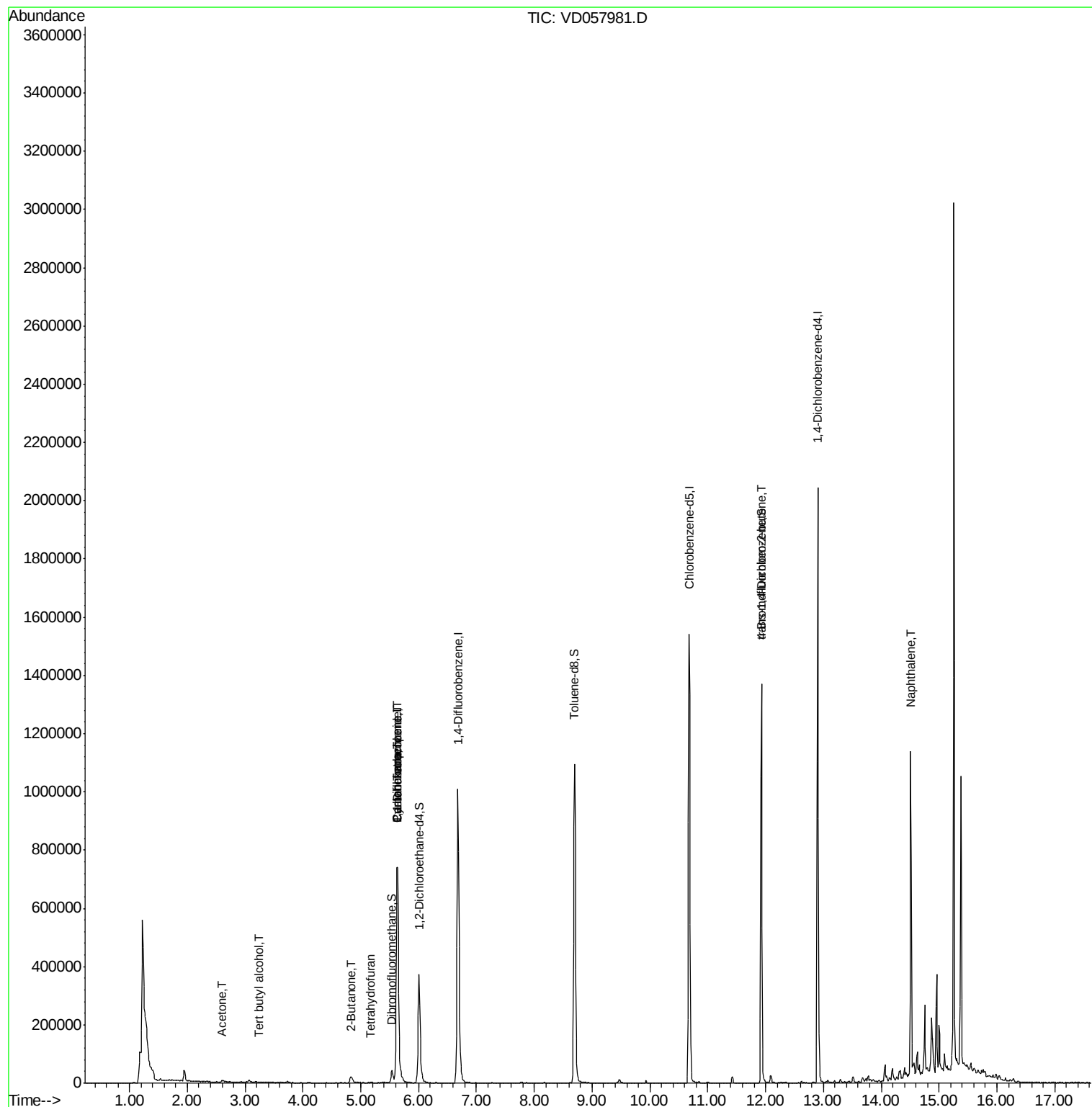
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.24	59	1711	8.221	ug/l #	74
16) Acetone	2.60	43	12764	11.404	ug/l	93
20) Methylene Chloride	3.07	84	3059	Below Cal	#	78
25) 2-Butanone	4.83	43	3201	1.258	ug/l #	64
29) Tetrahydrofuran	5.16	42	1421	1.066	ug/l #	39
31) Cyclohexane	5.63	56	18481	1.368	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	67913	6.194	ug/l #	51
38) Carbon Tetrachloride	5.64	117	68250	6.316	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	181162	117.105	ug/l #	6
82) 4-Chlorotoluene	12.32	91	529	Below Cal	#	50
89) n-Butylbenzene	13.19	91	1303	Below Cal	#	83
95) Naphthalene	14.51	128	615473	45.850	ug/l	99

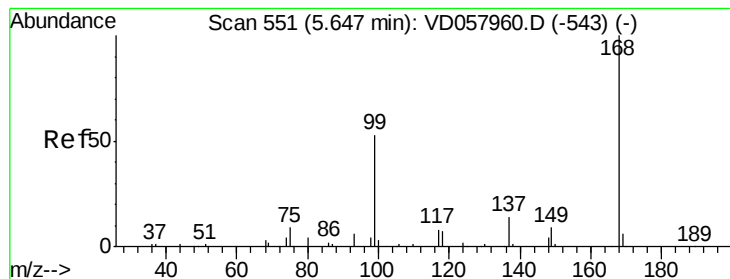
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

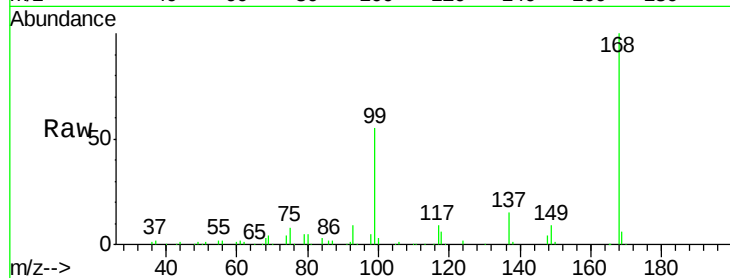
HS-YARD-1

Tgt Ion:168 Resp: 777077

Ion Ratio Lower Upper

168 100

99 54.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

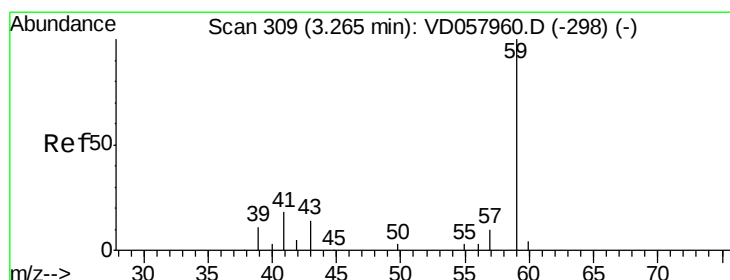
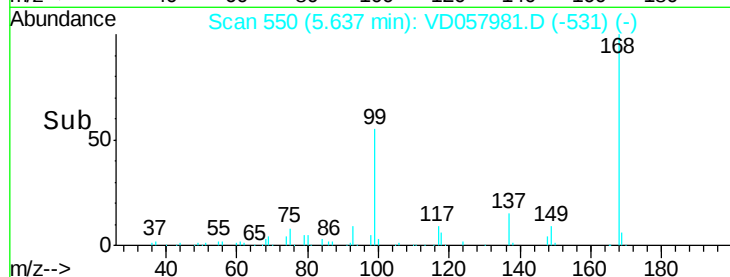
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.221 ug/l

RT: 3.24 min Scan# 307

Delta R.T. -0.02 min

Lab File: VD057981.D

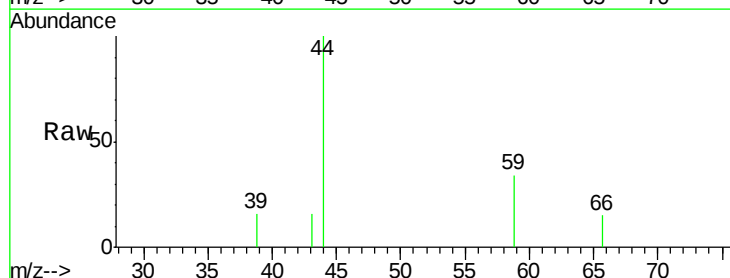
Acq: 7 Jun 2018 19:39

Tgt Ion: 59 Resp: 1711

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

3.24

1000

800

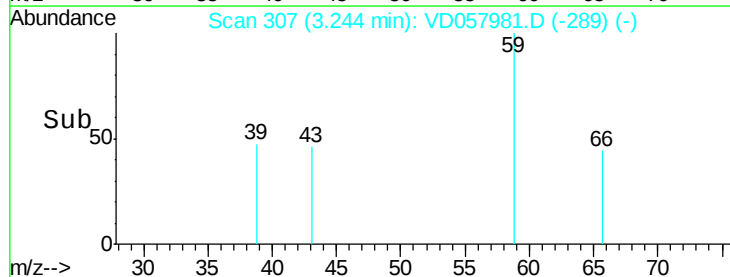
600

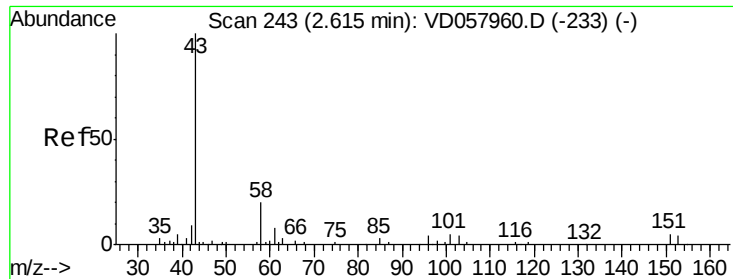
400

200

0

Time-->





#16

Acetone

Concen: 11.404 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

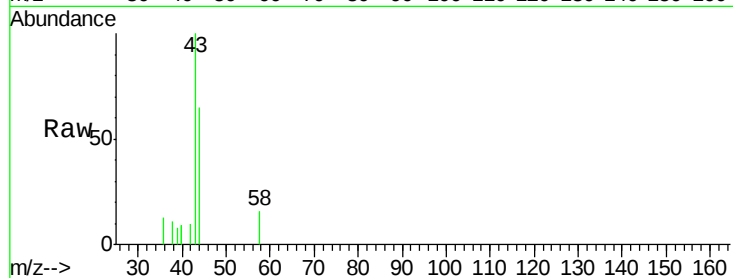
HS-YARD-1

Tgt Ion: 43 Resp: 12764

Ion Ratio Lower Upper

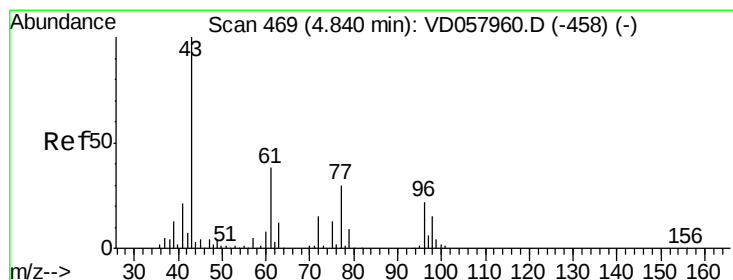
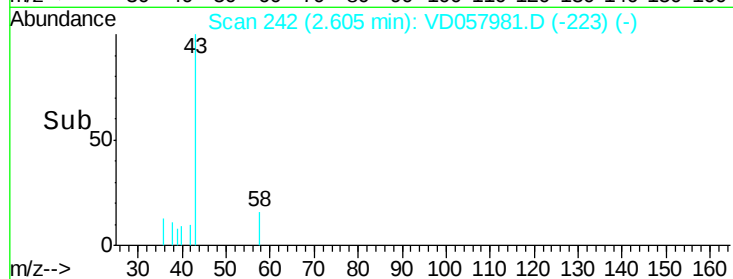
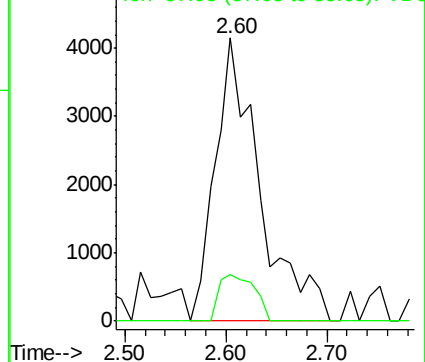
43 100

58 16.5 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: 1.258 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD057981.D

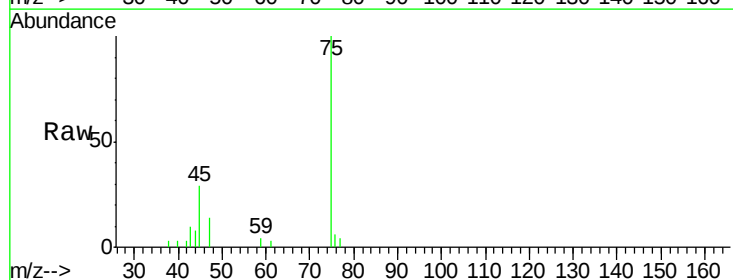
Acq: 7 Jun 2018 19:39

Tgt Ion: 43 Resp: 3201

Ion Ratio Lower Upper

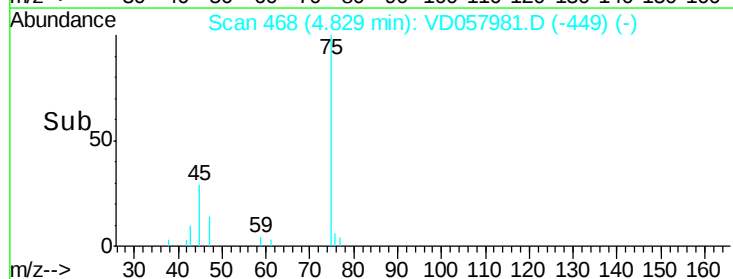
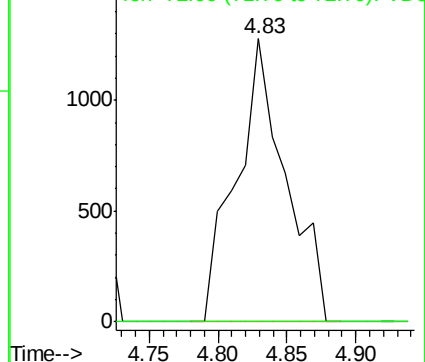
43 100

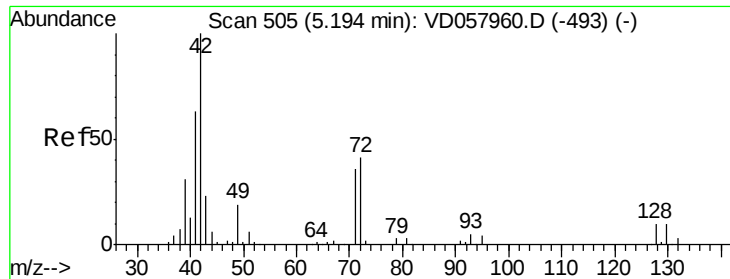
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.066 ug/l

RT: 5.16 min Scan# 502

Delta R.T. -0.03 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

HS-YARD-1

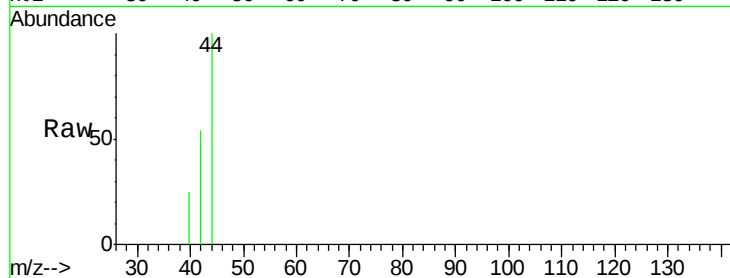
Tgt Ion: 42 Resp: 1421

Ion Ratio Lower Upper

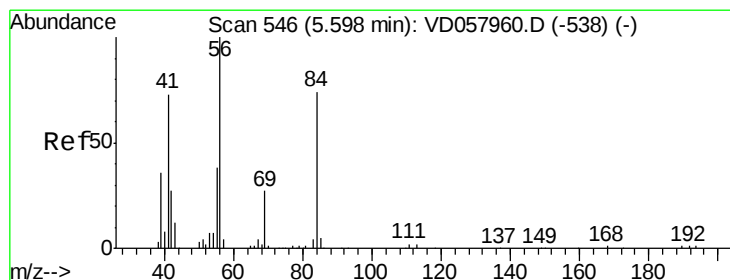
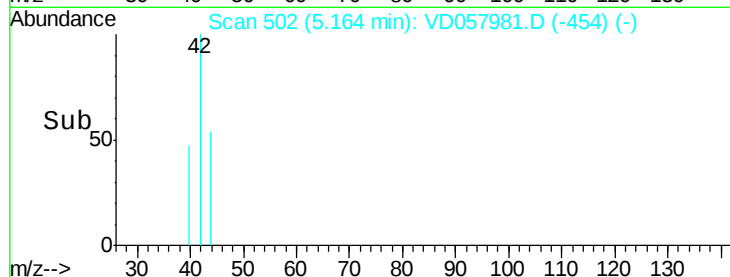
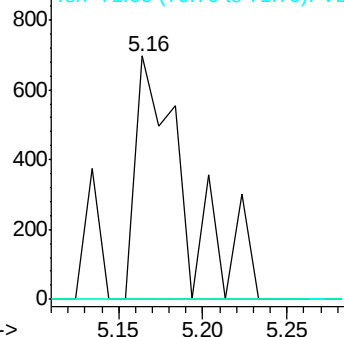
42 100

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: 1.368 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

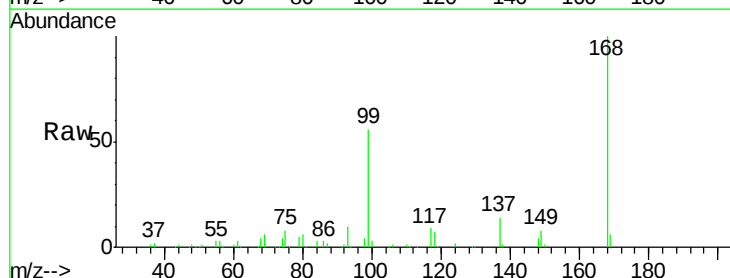
Tgt Ion: 56 Resp: 18481

Ion Ratio Lower Upper

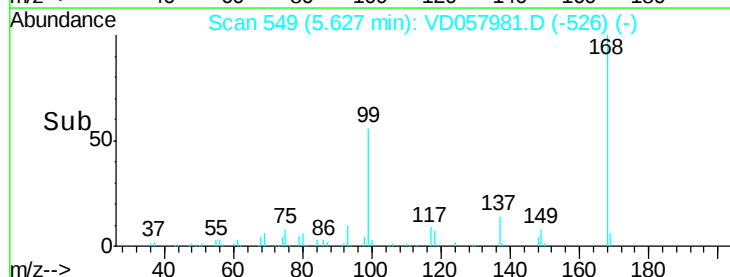
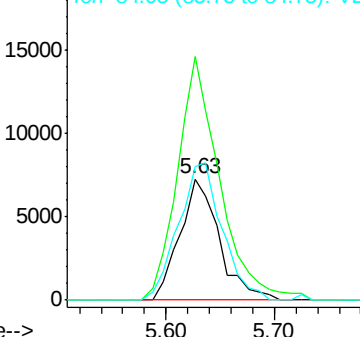
56 100

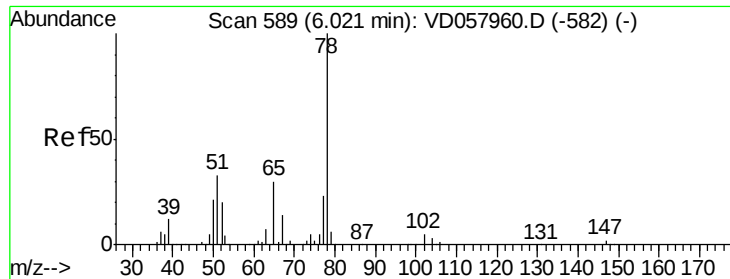
69 200.9 21.5 32.3#

84 110.4 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

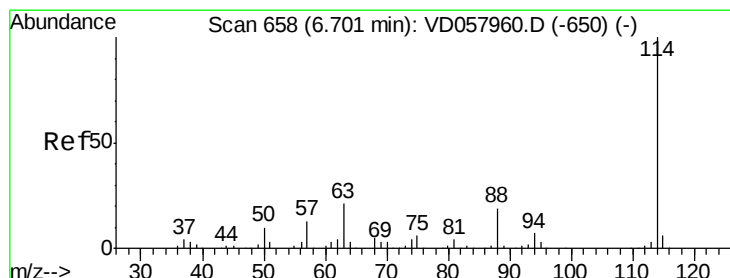
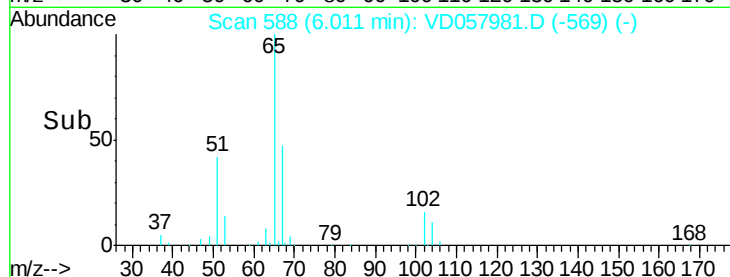
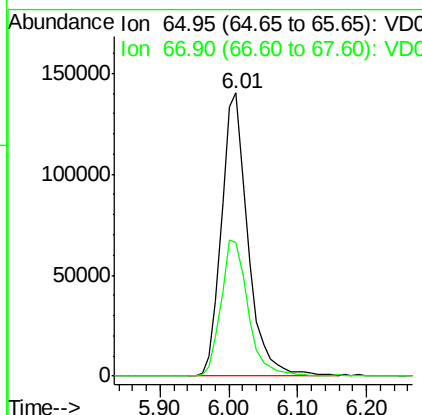
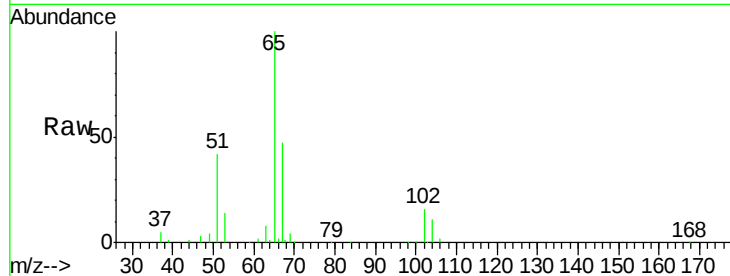




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD057981.D
 Acq: 7 Jun 2018 19:39

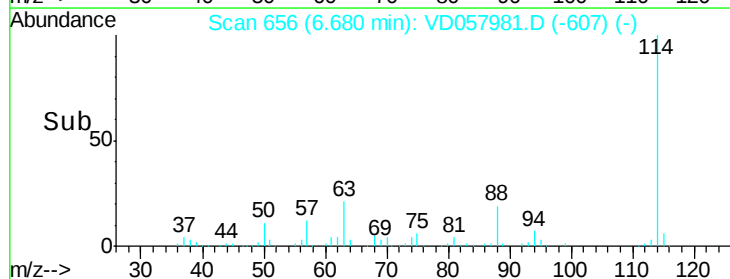
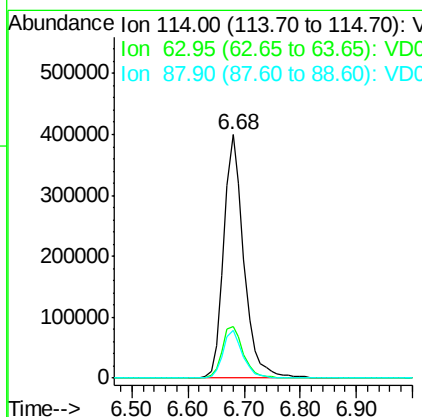
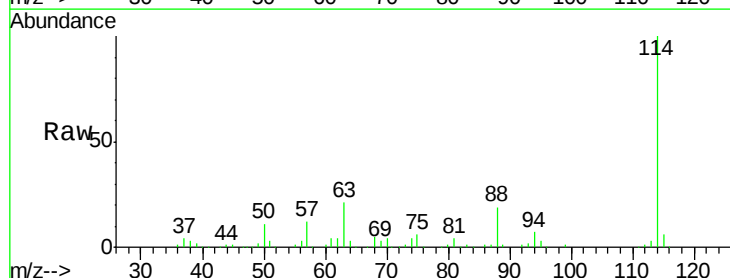
Instrument :
 MSVOA_D
 ClientSampleId :
 HS-YARD-1

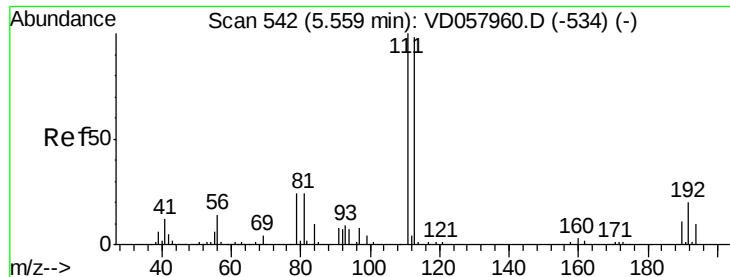
Tgt Ion: 65 Resp: 372533
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD057981.D
 Acq: 7 Jun 2018 19:39

Tgt Ion: 114 Resp: 995164
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 19.4 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

HS-YARD-1

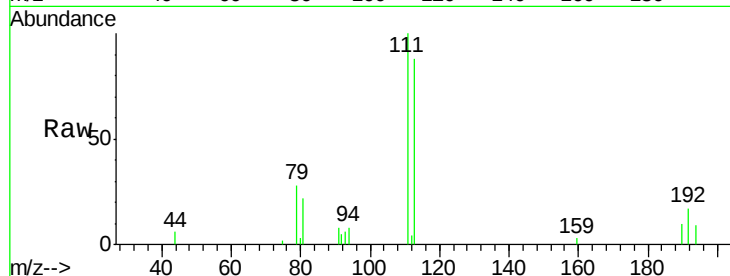
Tgt Ion:113 Resp: 33829

Ion Ratio Lower Upper

113 100

111 113.7 81.5 122.3

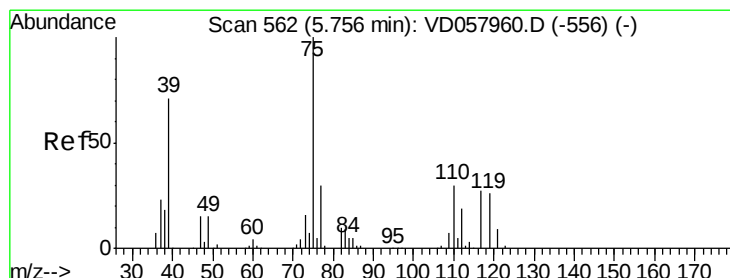
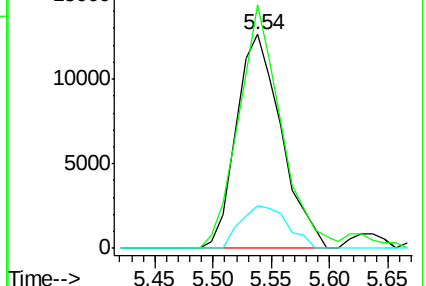
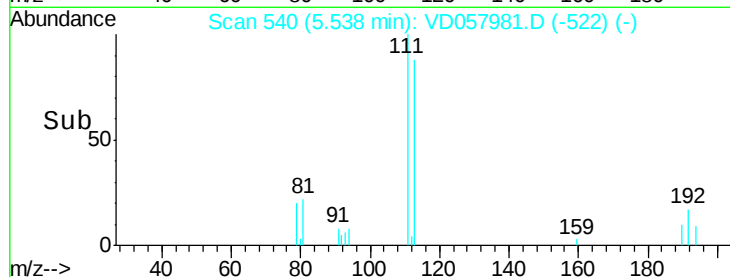
192 19.8 16.4 24.6



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: 6.194 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

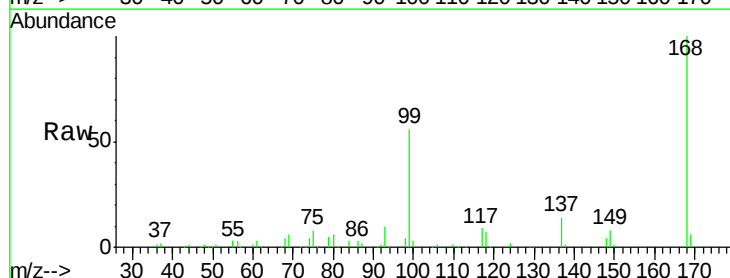
Tgt Ion: 75 Resp: 67913

Ion Ratio Lower Upper

75 100

110 6.8 14.8 44.3#

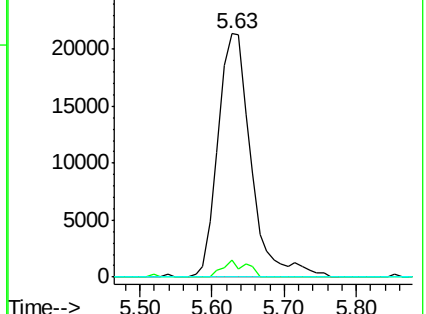
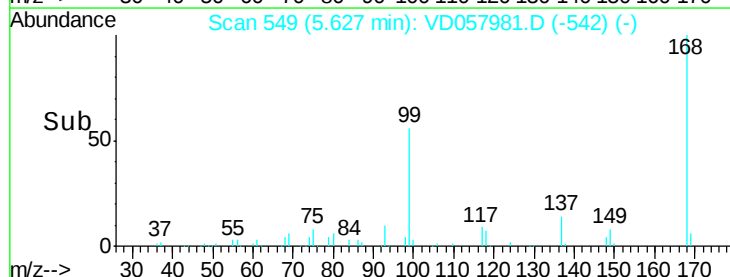
77 0.0 23.9 35.9#

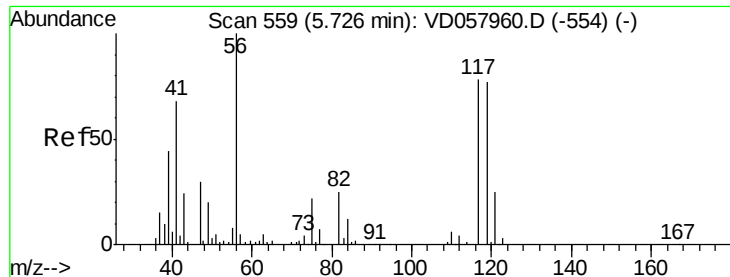


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.316 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

HS-YARD-1

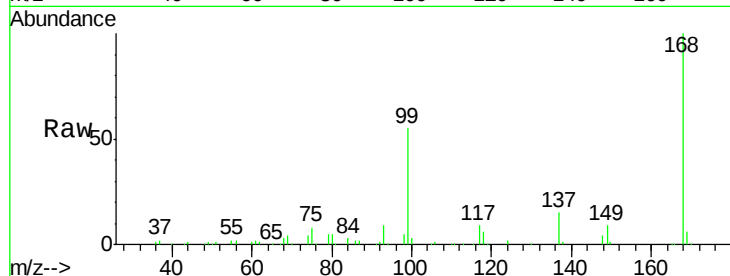
Tgt Ion:117 Resp: 68250

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

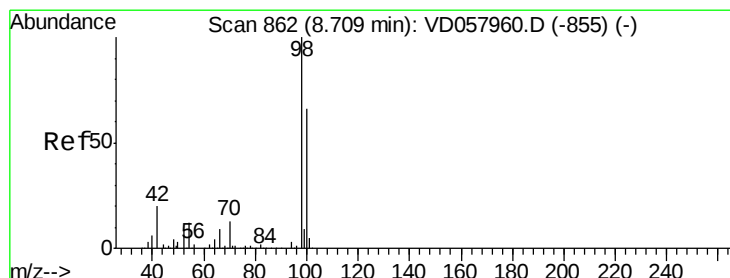
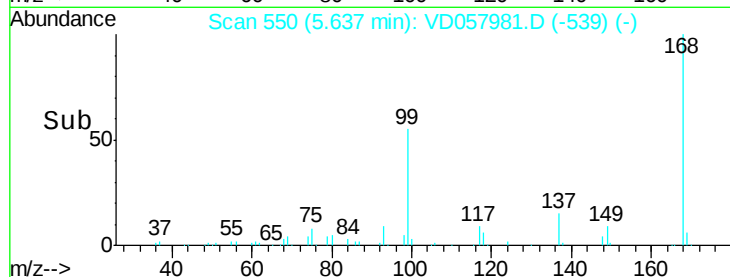
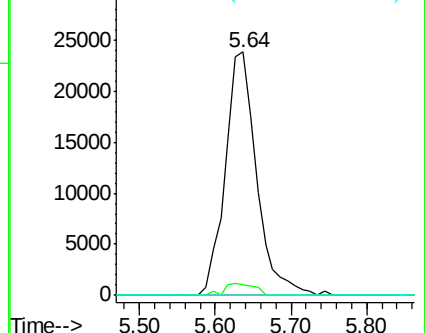
121 0.0 24.9 37.3#



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: VD057981.D

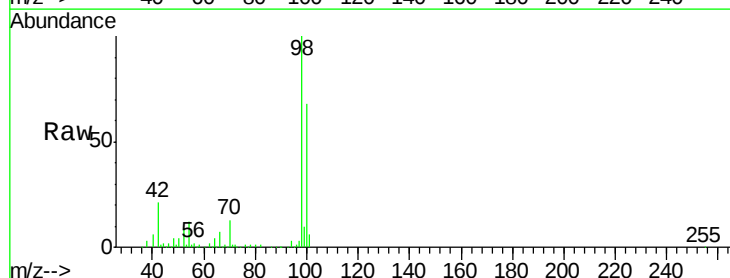
Acq: 7 Jun 2018 19:39

Tgt Ion: 98 Resp: 840676

Ion Ratio Lower Upper

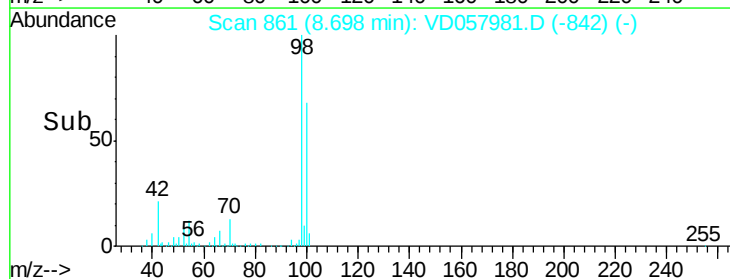
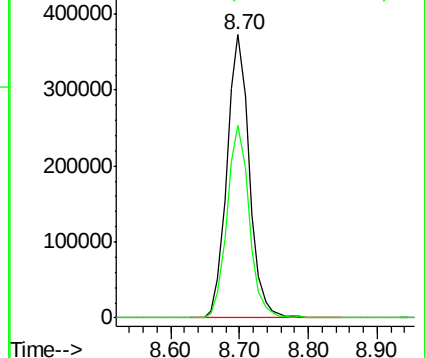
98 100

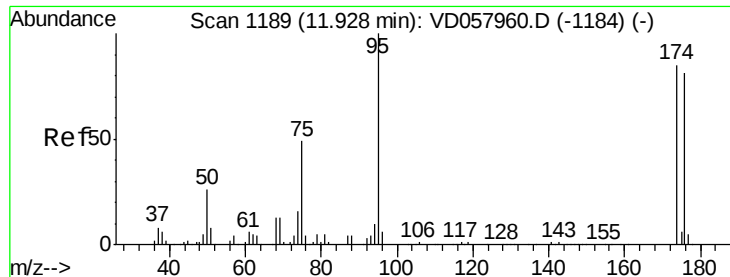
100 68.0 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

HS-YARD-1

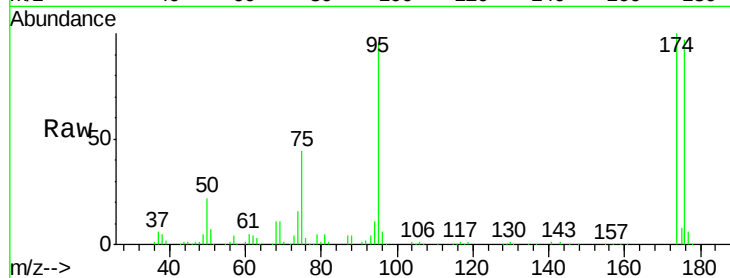
Tgt Ion: 95 Resp: 379658

Ion Ratio Lower Upper

95 100

174 103.8 0.0 169.4

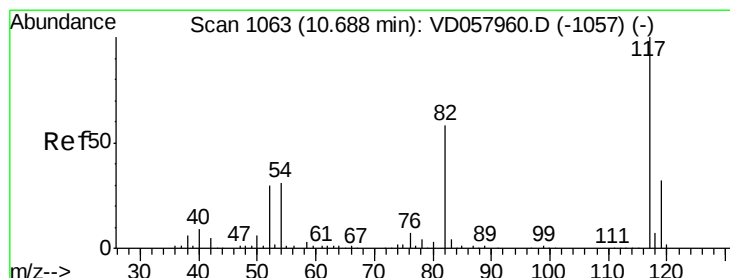
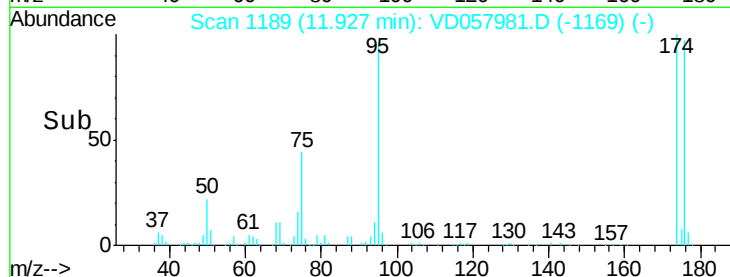
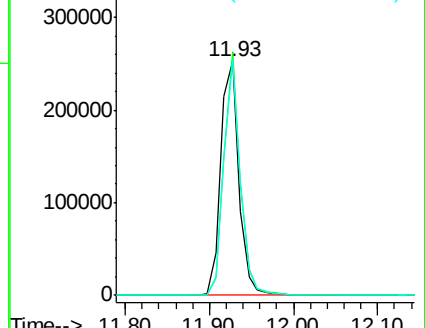
176 100.5 0.0 162.6



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: VD057981.D

Acq: 7 Jun 2018 19:39

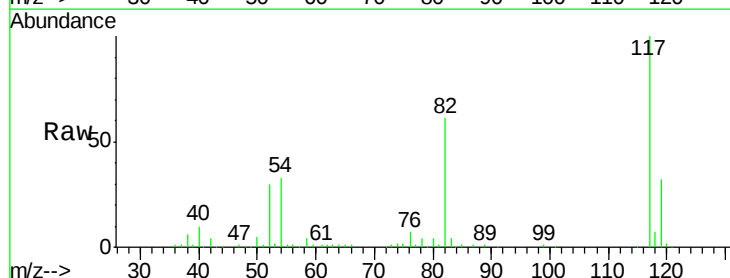
Tgt Ion: 117 Resp: 843493

Ion Ratio Lower Upper

117 100

82 60.8 46.8 70.2

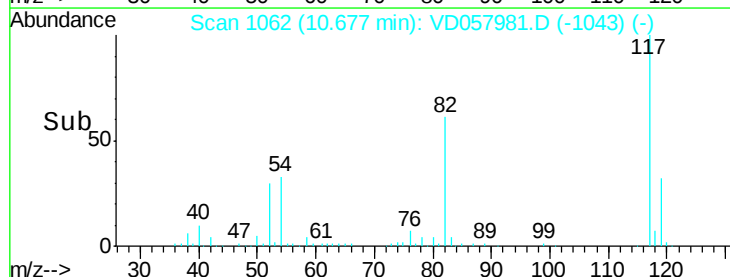
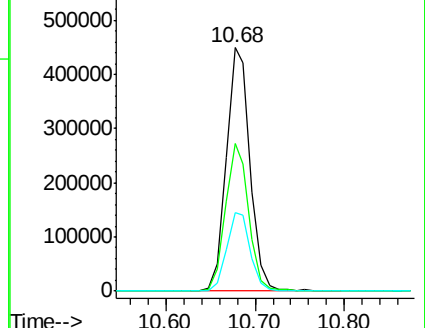
119 32.2 25.8 38.6

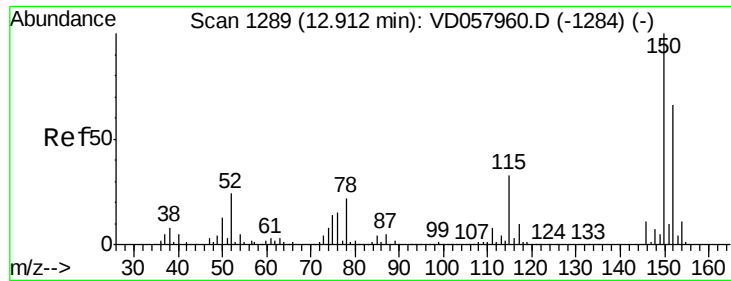


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

HS-YARD-1

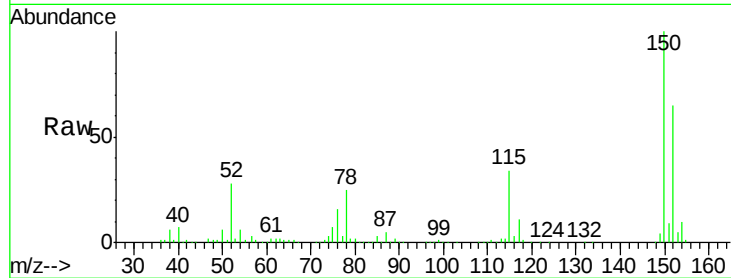
Tgt Ion:152 Resp: 415796

Ion Ratio Lower Upper

152 100

115 51.7 25.6 76.6

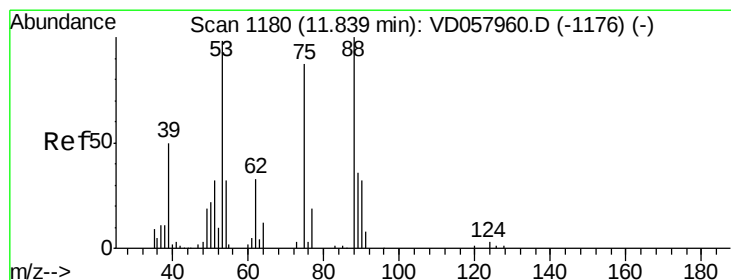
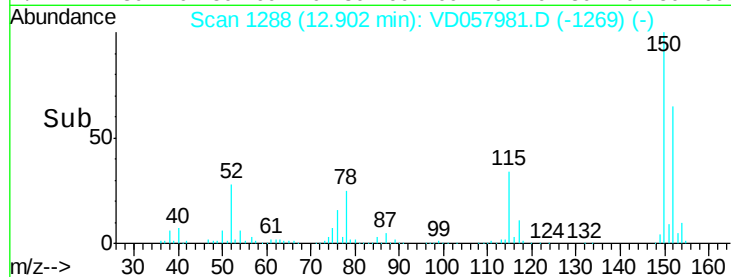
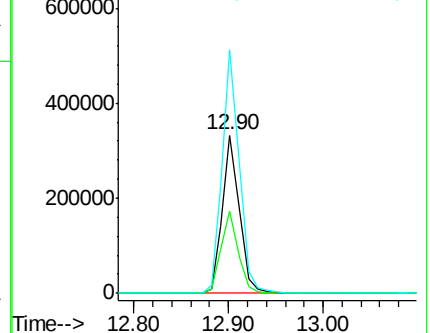
150 153.7 0.0 306.8



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: 117.105 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD057981.D

Acq: 7 Jun 2018 19:39

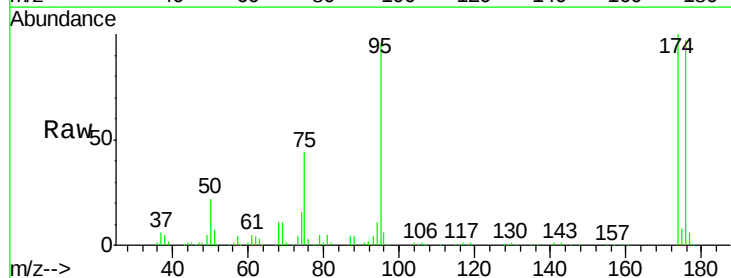
Tgt Ion: 75 Resp: 181162

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

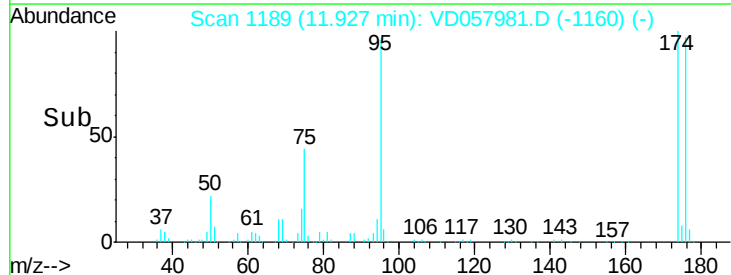
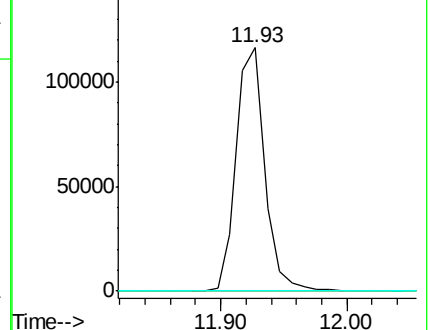
89 0.0 33.3 49.9#

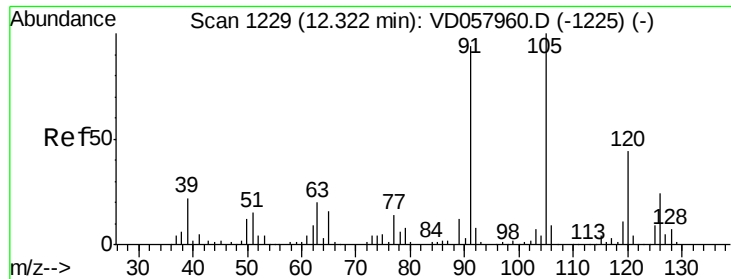


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

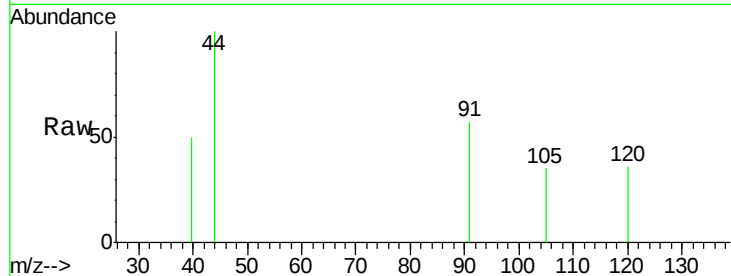




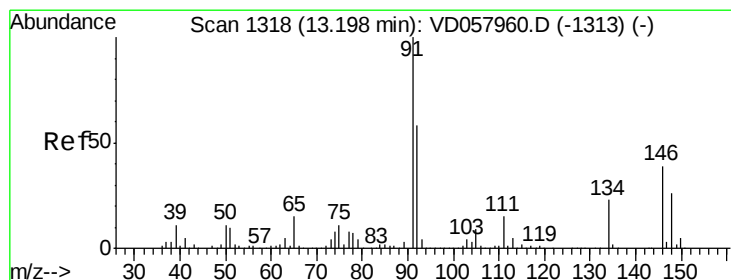
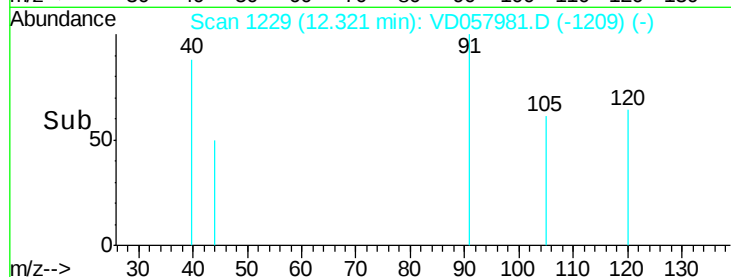
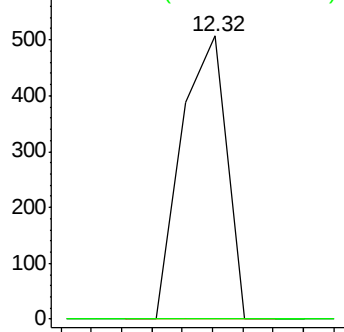
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD057981.D
Acq: 7 Jun 2018 19:39

Instrument :
MSVOA_D
ClientSampleId :
HS-YARD-1

Tgt Ion: 91 Resp: 529
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#

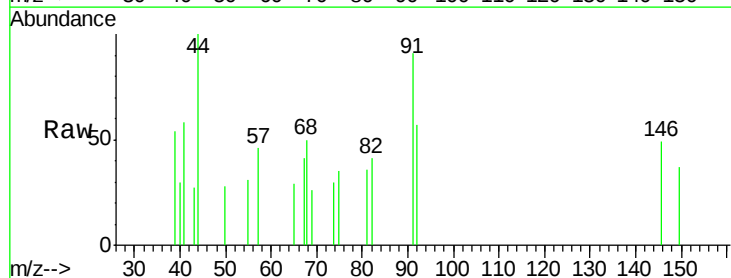


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

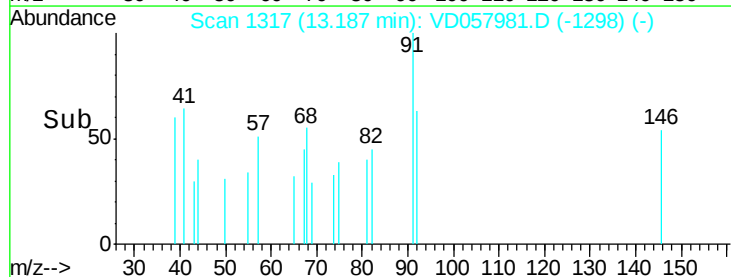
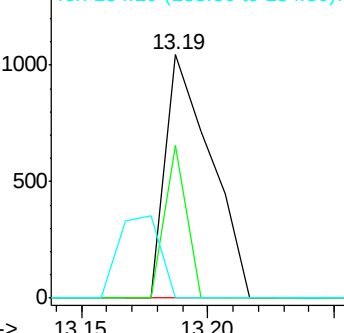


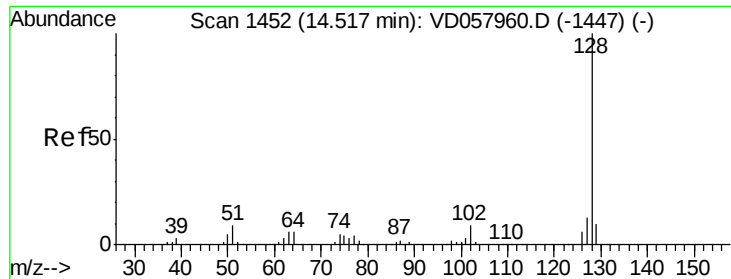
#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD057981.D
Acq: 7 Jun 2018 19:39

Tgt Ion: 91 Resp: 1303
Ion Ratio Lower Upper
91 100
92 62.9 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

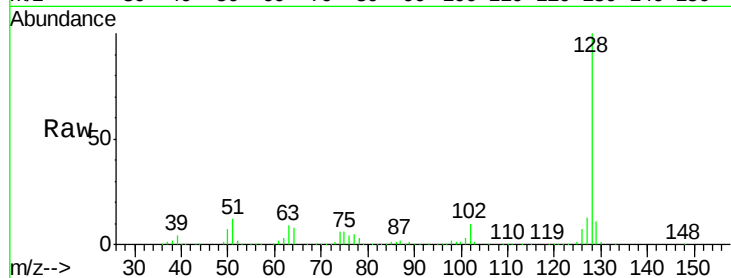




#95
Naphthalene
Concen: 45.850 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057981.D
Acq: 7 Jun 2018 19:39

Instrument :
MSVOA_D
ClientSampleId :
HS-YARD-1

Tgt Ion:128 Resp: 615473
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.9 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

