

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057995.D
 Acq On : 8 Jun 2018 4:04
 Operator : JC/SY
 Sample : J3329-03RE
 Misc : 6.74g/5ml/MSVOA_D/SOIL
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-31(0-5)RE

Quant Time: Jun 08 06:55:01 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	34427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	58214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	59425	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	34161	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	34348	99.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	199.60%	
35) Dibromofluoromethane	5.55	113	26133	58.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.04%	
50) Toluene-d8	8.70	98	48770	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.08%	
62) 4-Bromofluorobenzene	11.93	95	28289	60.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.12%	

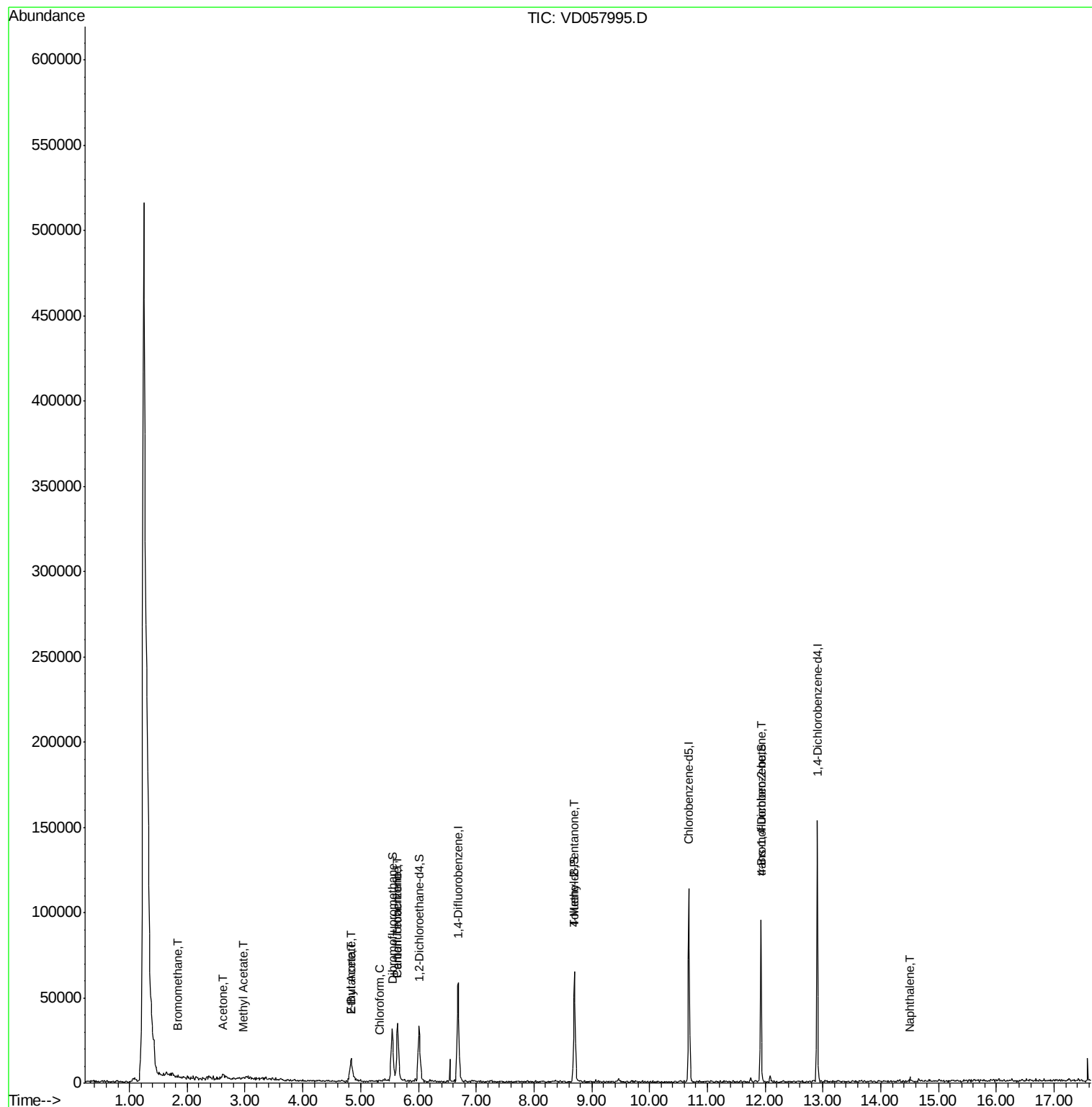
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.83	94	232	2.687	ug/l #	3
16) Acetone	2.62	43	5645	113.839	ug/l #	57
18) Methyl Acetate	2.97	43	1533	15.981	ug/l #	66
25) 2-Butanone	4.83	43	1695	15.041	ug/l #	64
30) Chloroform	5.32	83	876	1.255	ug/l #	18
37) Ethyl Acetate	4.83	43	1695	4.843	ug/l #	72
38) Carbon Tetrachloride	5.64	117	2703	4.276	ug/l #	12
51) 4-Methyl-2-Pentanone	8.70	43	440	1.497	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.92	75	13679	107.625	ug/l #	6
82) 4-Chlorotoluene	12.32	91	531	Below Cal	#	50
95) Naphthalene	14.51	128	1257	1.140	ug/l #	78

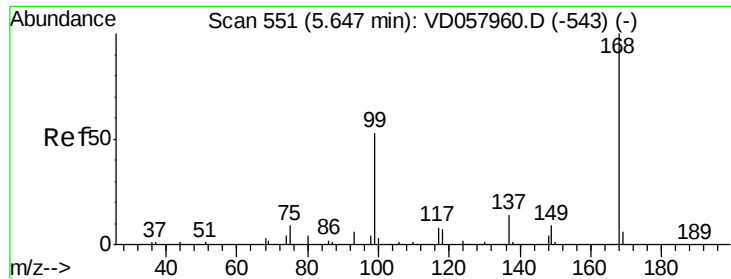
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
Data File : VD057995.D
Acq On : 8 Jun 2018 4:04
Operator : JC/SY
Sample : J3329-03RE
Misc : 6.74g/5ml/MSVOA_D/SOIL
ALS Vial : 59 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MH-31(0-5)RE

Quant Time: Jun 08 06:55:01 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: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

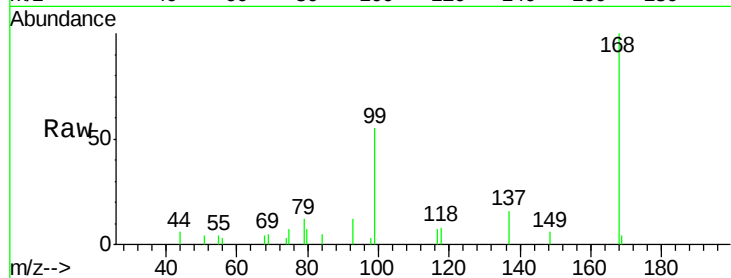
MH-31(0-5)RE

Tgt Ion:168 Resp: 34427

Ion Ratio Lower Upper

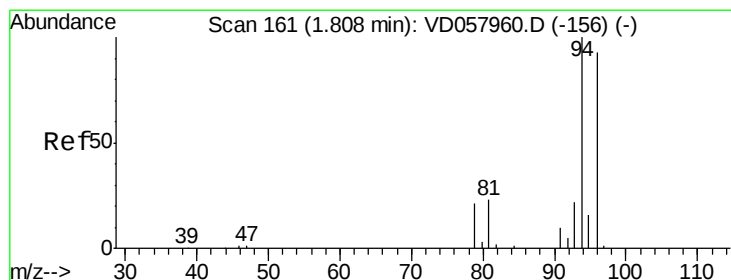
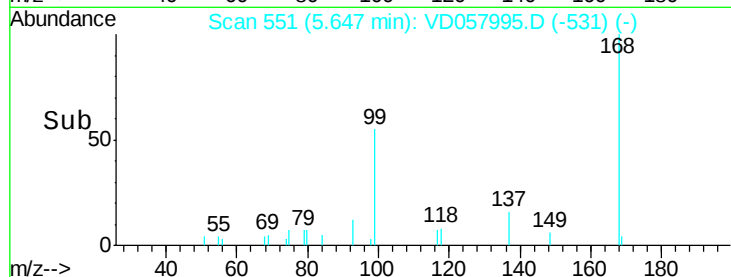
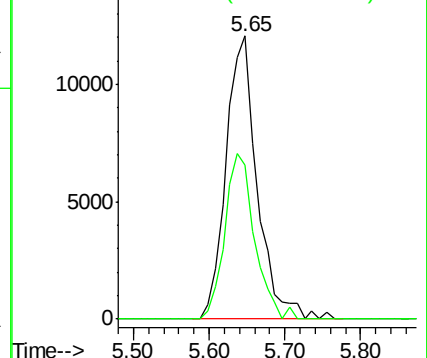
168 100

99 54.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.687 ug/l

RT: 1.83 min Scan# 163

Delta R.T. 0.02 min

Lab File: VD057995.D

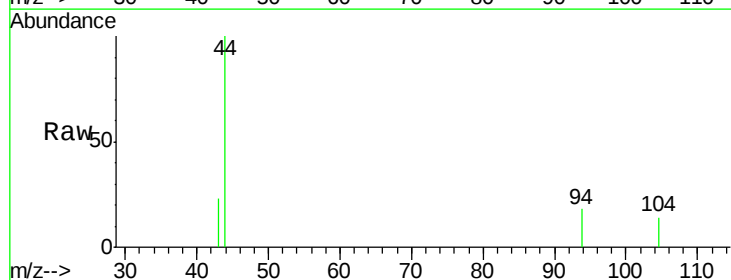
Acq: 8 Jun 2018 4:04

Tgt Ion: 94 Resp: 232

Ion Ratio Lower Upper

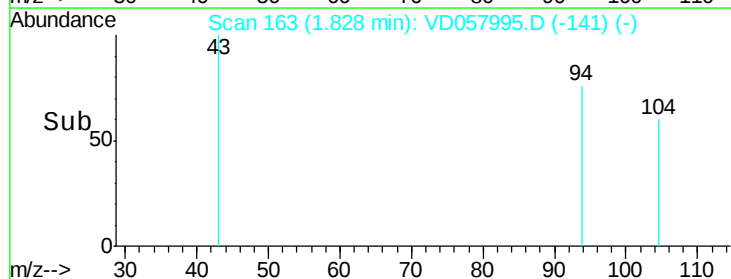
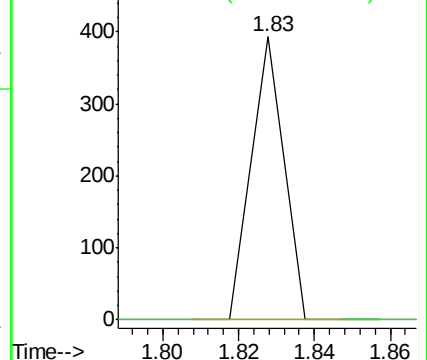
94 100

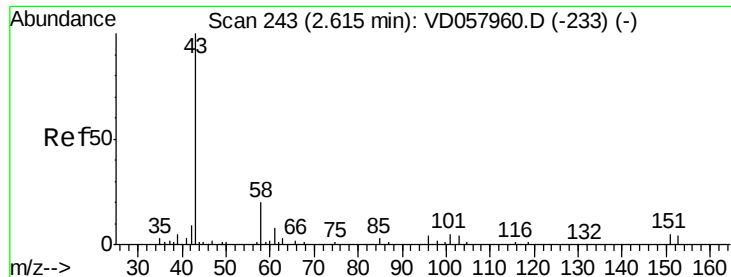
96 0.0 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 113.839 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

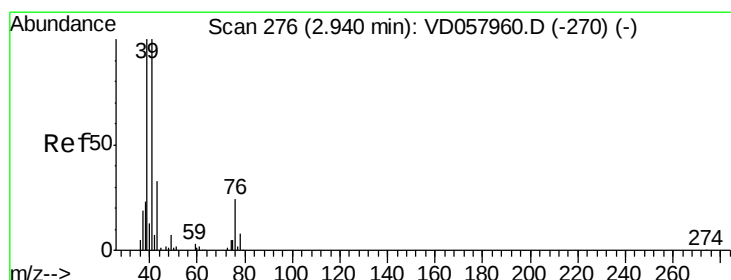
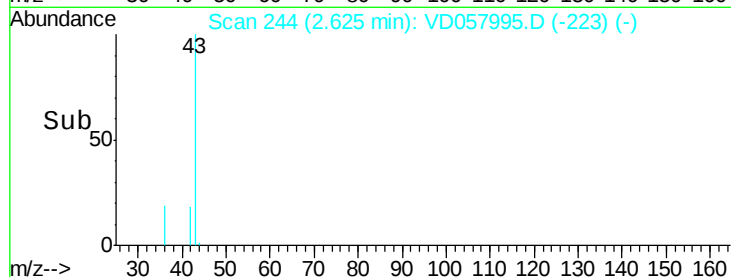
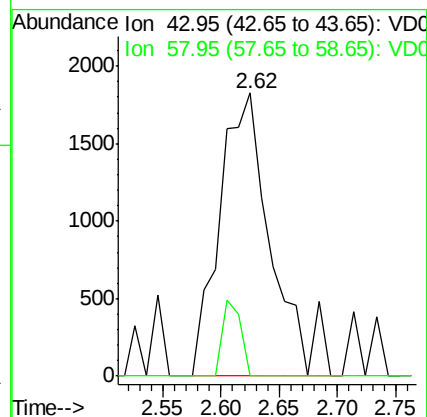
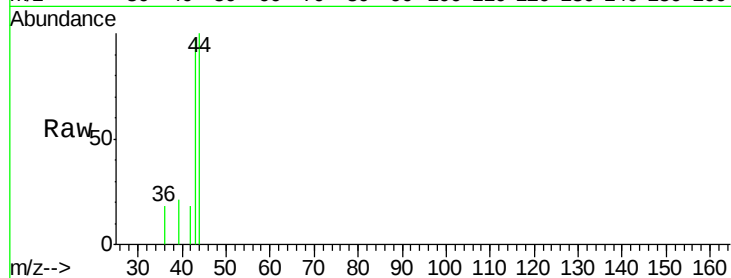
MH-31(0-5)RE

Tgt Ion: 43 Resp: 5645

Ion Ratio Lower Upper

43 100

58 0.0 15.8 23.8#



#18

Methyl Acetate

Concen: 15.981 ug/l

RT: 2.97 min Scan# 279

Delta R.T. 0.03 min

Lab File: VD057995.D

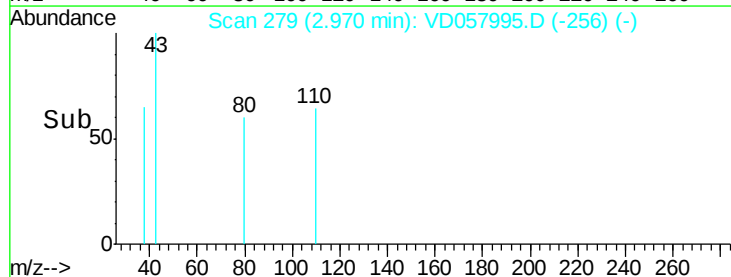
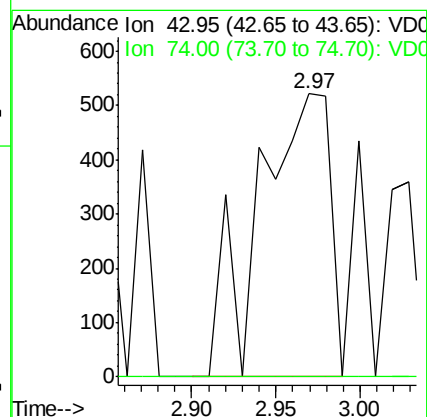
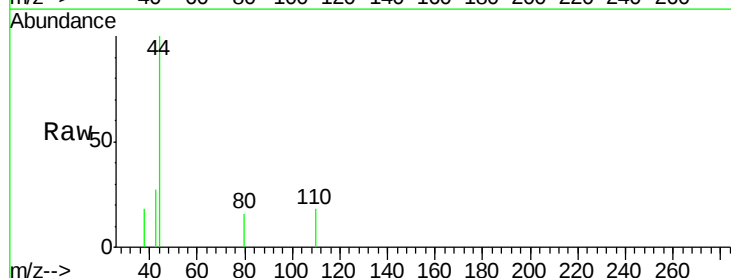
Acq: 8 Jun 2018 4:04

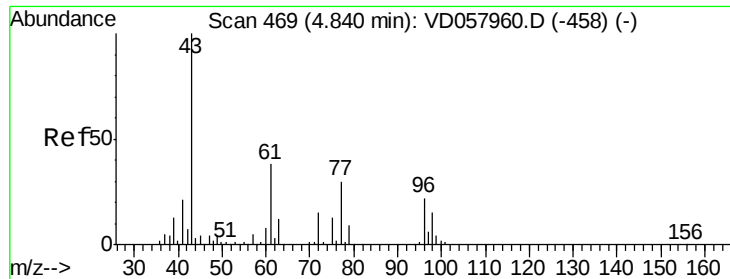
Tgt Ion: 43 Resp: 1533

Ion Ratio Lower Upper

43 100

74 0.0 11.2 16.8#





#25

2-Butanone

Concen: 15.041 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

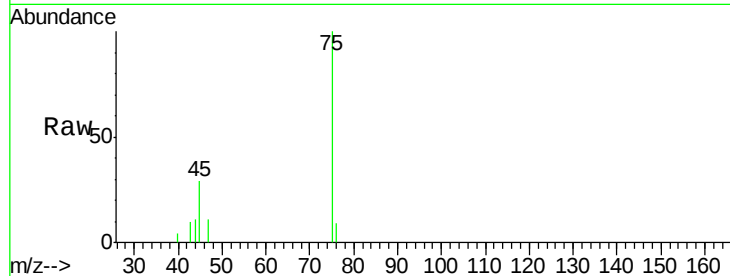
MH-31(0-5)RE

Tgt Ion: 43 Resp: 1695

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

800

600

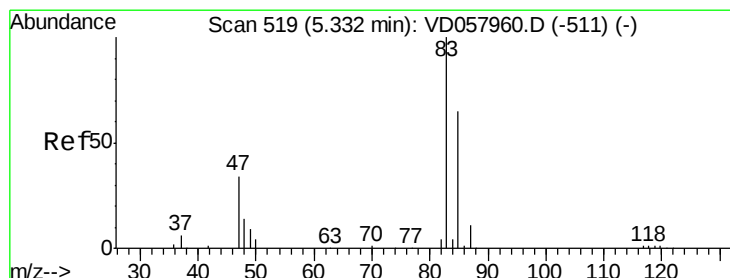
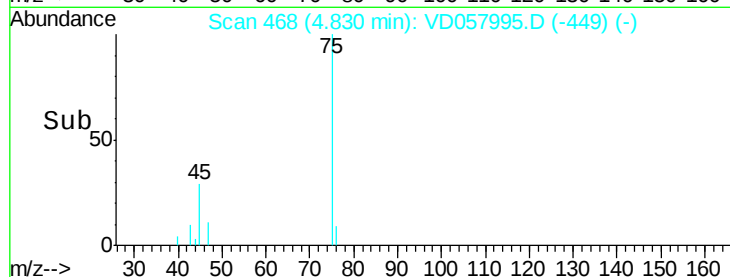
400

200

0

4.75 4.80 4.83 4.85 4.90

Time-->



#30

Chloroform

Concen: 1.255 ug/l

RT: 5.32 min Scan# 518

Delta R.T. -0.01 min

Lab File: VD057995.D

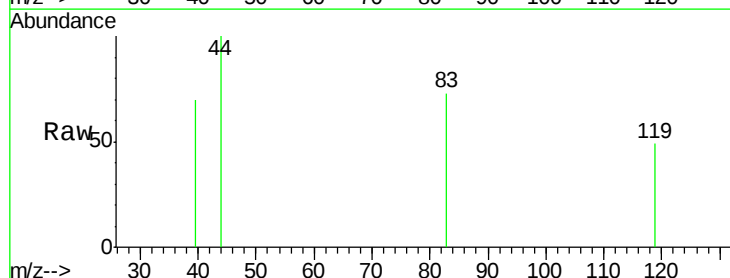
Acq: 8 Jun 2018 4:04

Tgt Ion: 83 Resp: 876

Ion Ratio Lower Upper

83 100

85 0.0 51.6 77.4#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

500

400

300

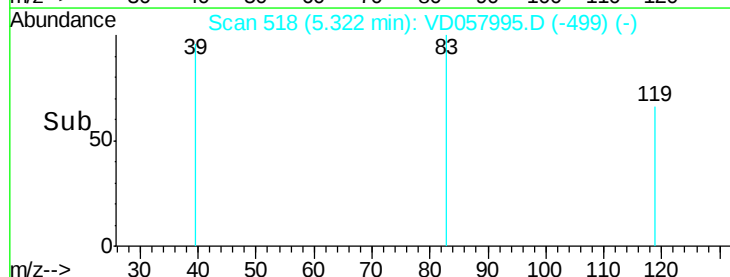
200

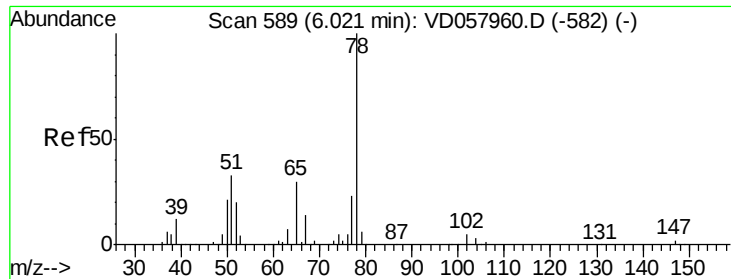
100

0

5.30 5.32 5.35

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

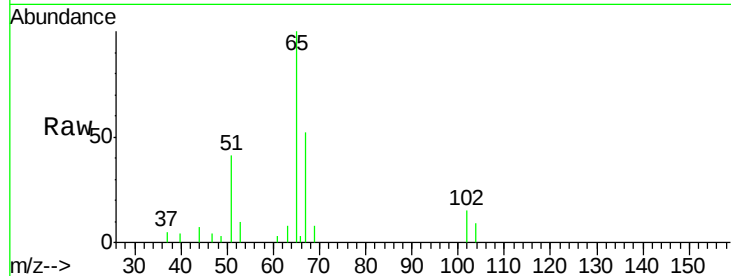
MH-31(0-5)RE

Tgt Ion: 65 Resp: 34348

Ion Ratio Lower Upper

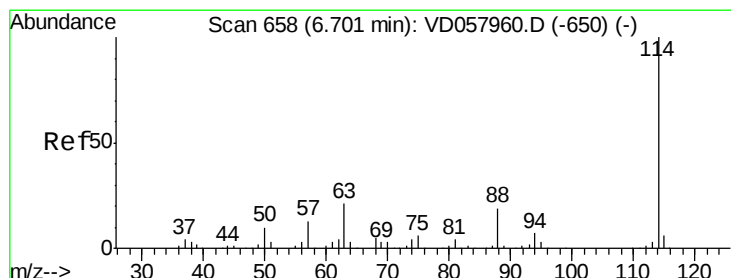
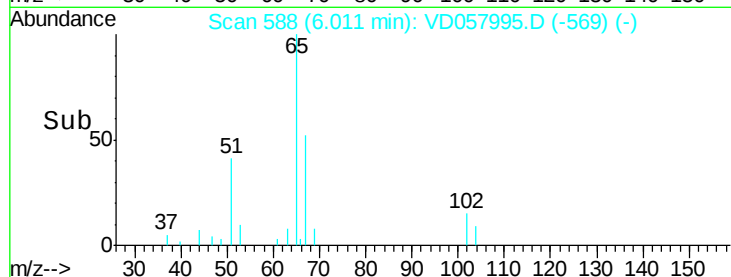
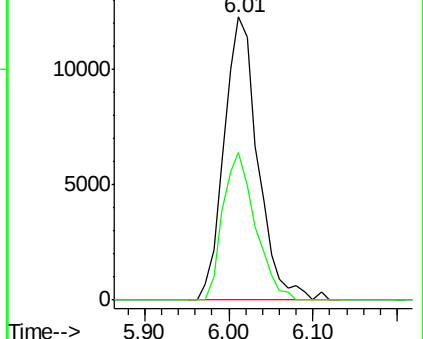
65 100

67 52.3 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: VD057995.D

Acq: 8 Jun 2018 4:04

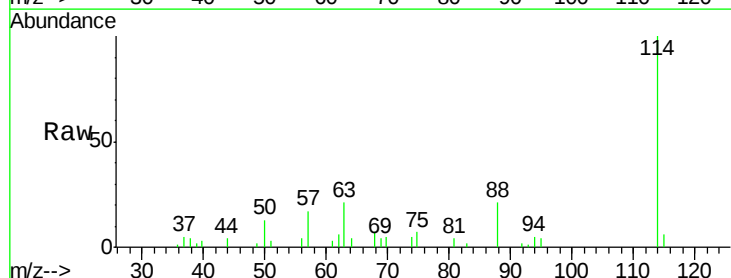
Tgt Ion: 114 Resp: 58214

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

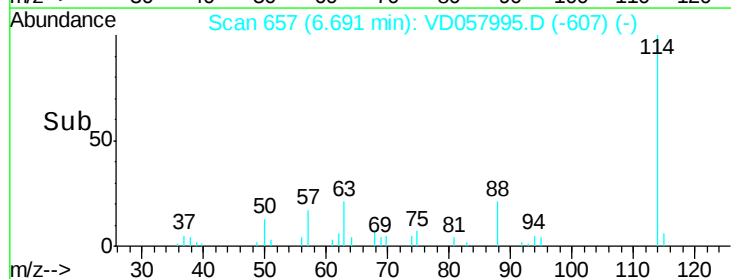
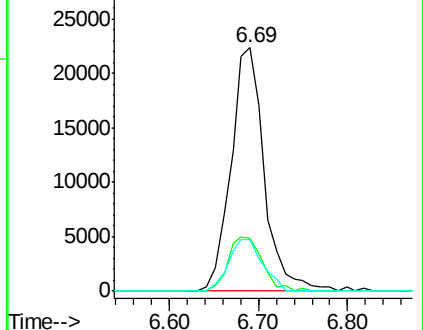
88 21.1 0.0 37.8

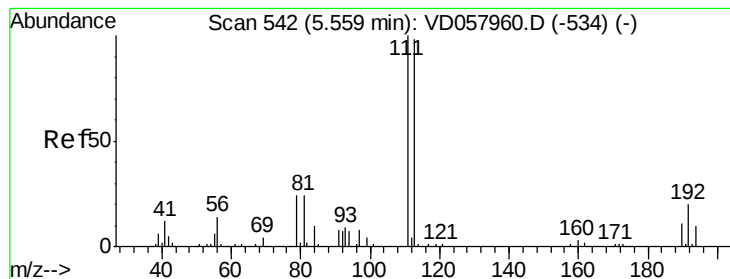


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

MH-31(0-5)RE

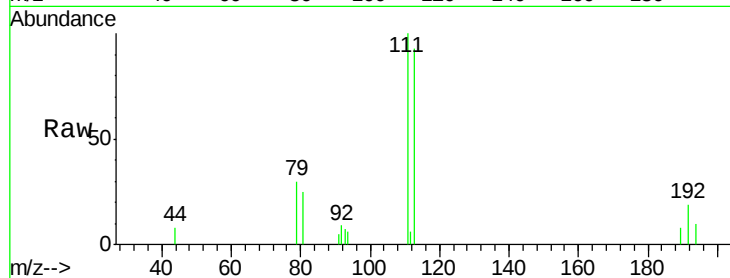
Tgt Ion:113 Resp: 26133

Ion Ratio Lower Upper

113 100

111 107.9 81.5 122.3

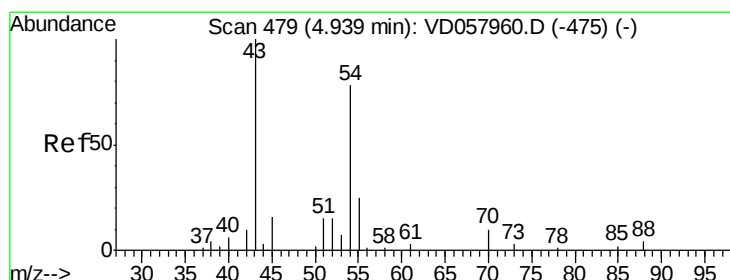
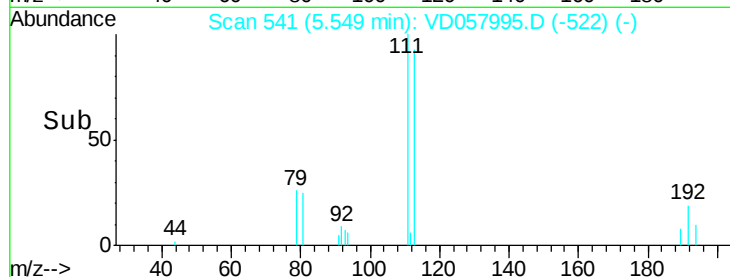
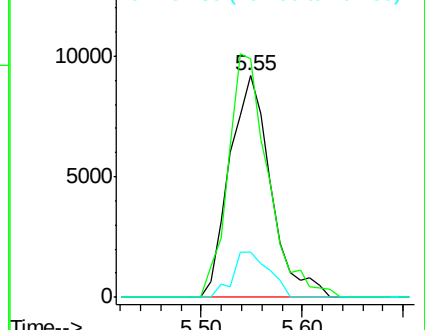
192 20.5 16.4 24.6



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



#37

Ethyl Acetate

Concen: 4.843 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.11 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

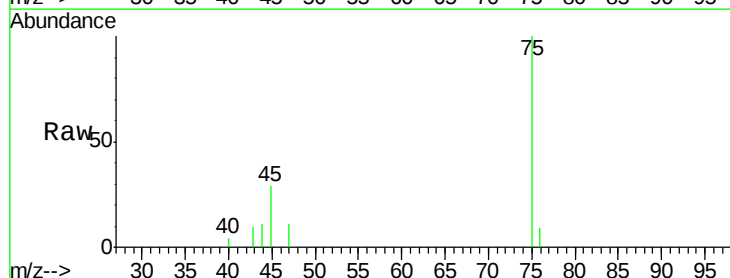
Tgt Ion: 43 Resp: 1695

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

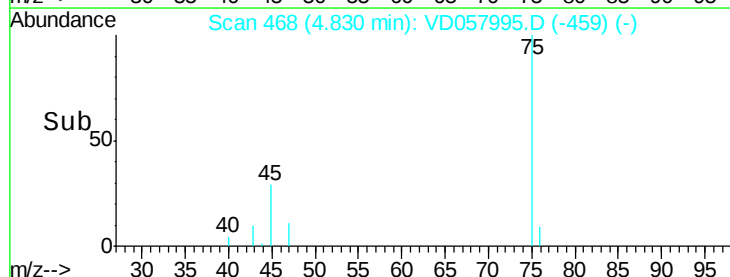
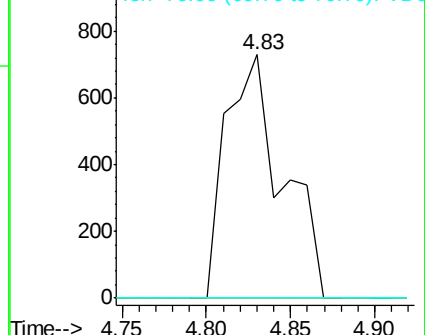
70 0.0 5.7 8.5#

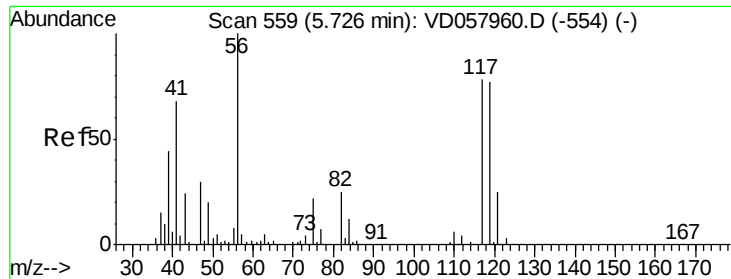


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.276 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

MH-31(0-5)RE

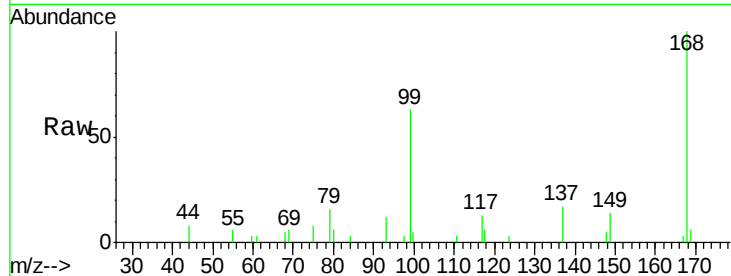
Tgt Ion:117 Resp: 2703

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

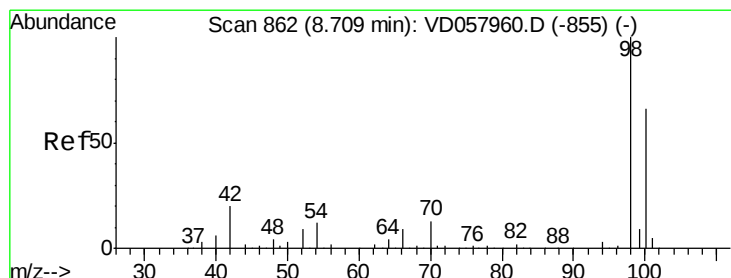
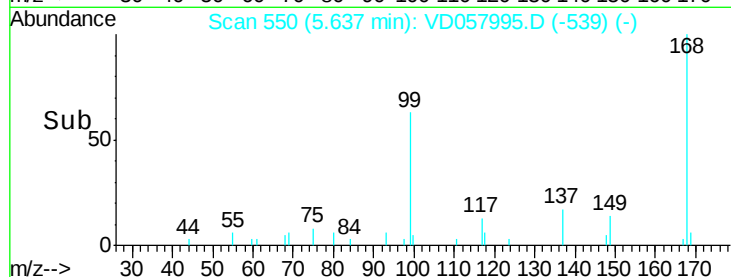
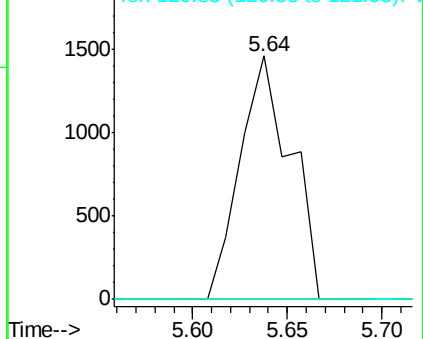
121 0.0 24.9 37.3#



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: VD057995.D

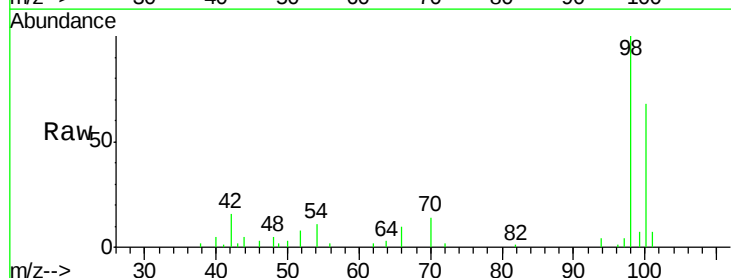
Acq: 8 Jun 2018 4:04

Tgt Ion: 98 Resp: 48770

Ion Ratio Lower Upper

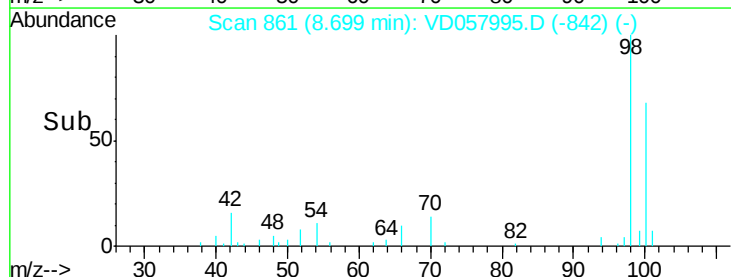
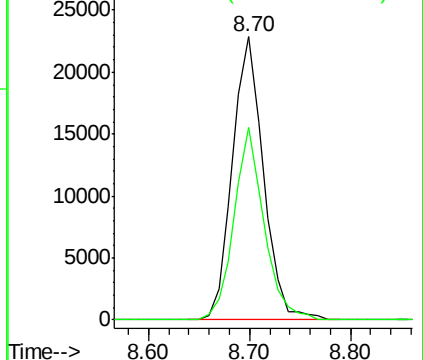
98 100

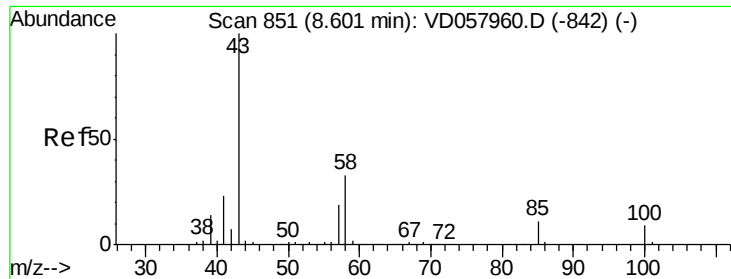
100 68.1 53.4 80.0



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: 1.497 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

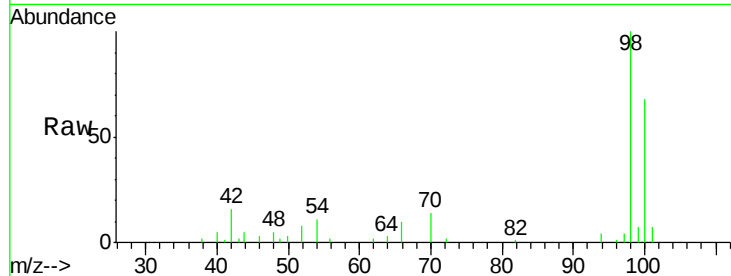
MH-31(0-5)RE

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

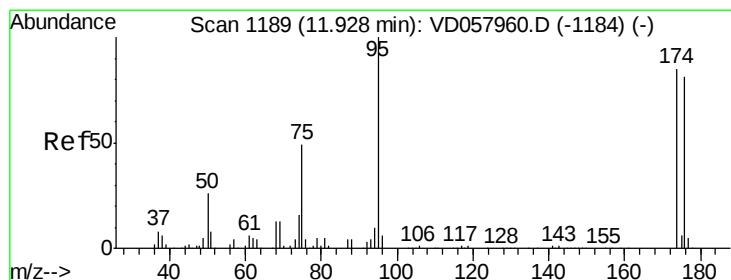
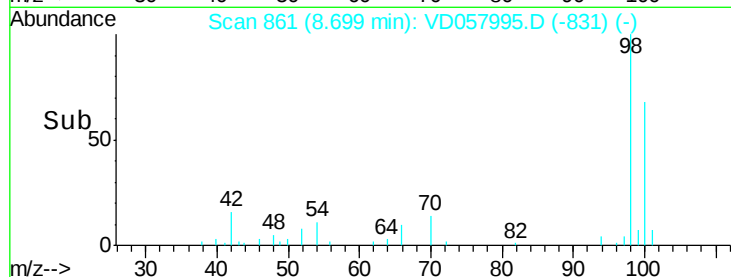
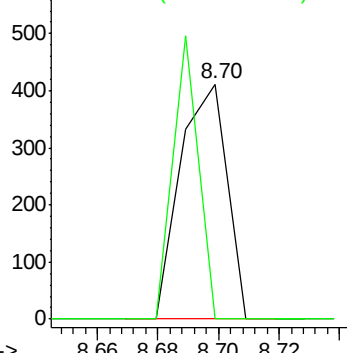
43 100

58 0.0 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. -0.00 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

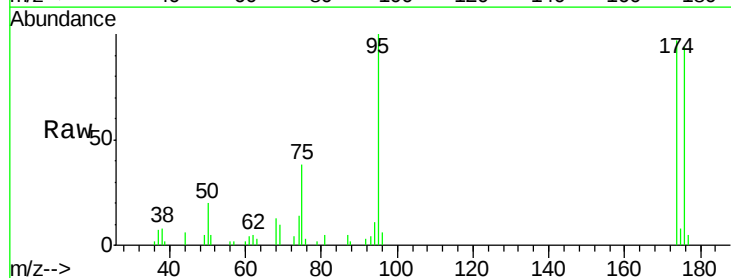
Tgt Ion: 95 Resp: 28289

Ion Ratio Lower Upper

95 100

174 97.1 0.0 169.4

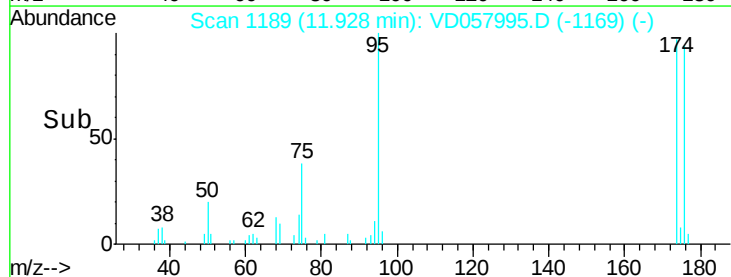
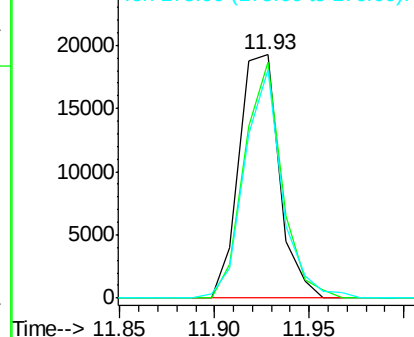
176 93.8 0.0 162.6

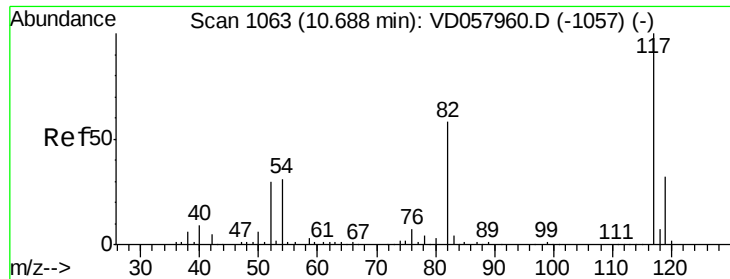


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

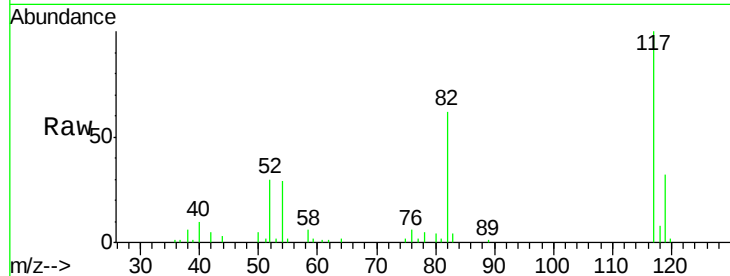




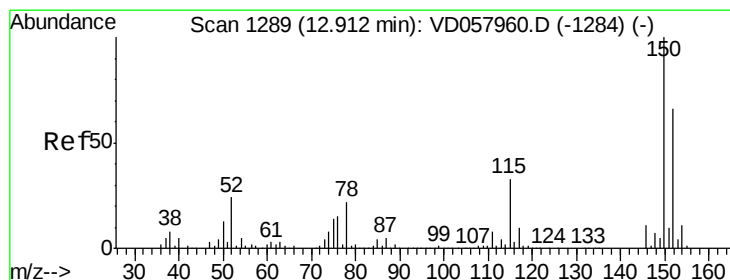
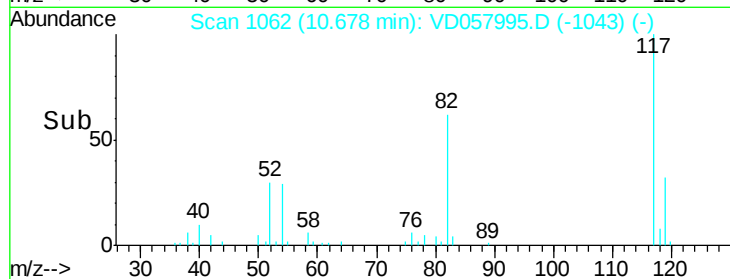
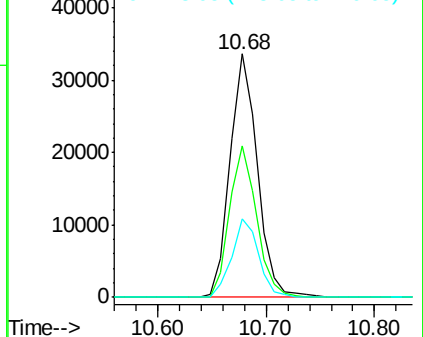
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057995.D
Acq: 8 Jun 2018 4:04

Instrument :
MSVOA_D
ClientSampleId :
MH-31(0-5)RE

Tgt Ion:117 Resp: 59425
Ion Ratio Lower Upper
117 100
82 62.3 46.8 70.2
119 32.4 25.8 38.6

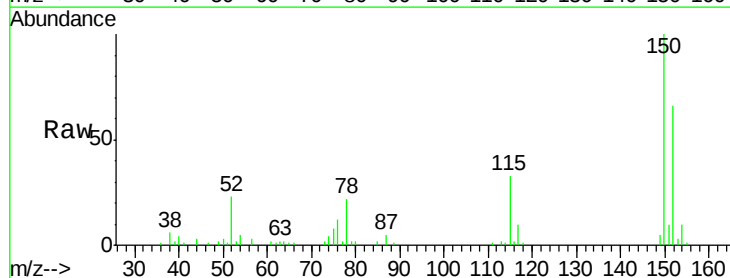


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

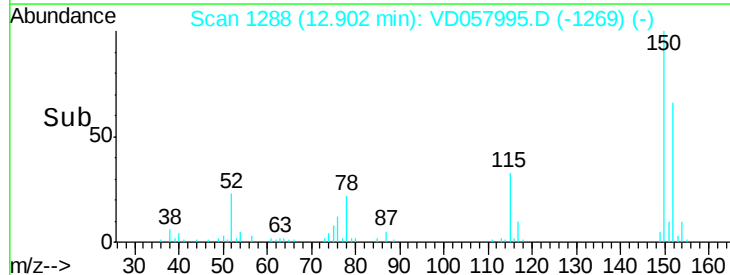
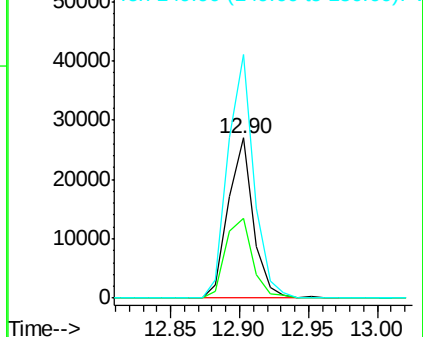


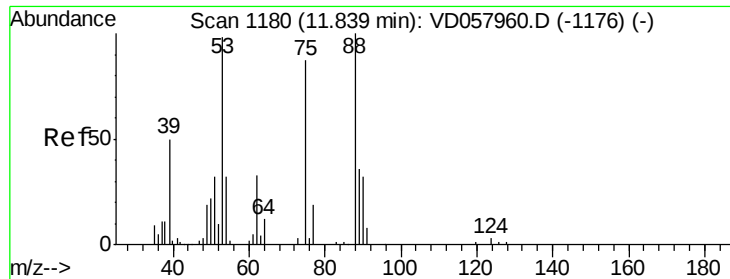
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057995.D
Acq: 8 Jun 2018 4:04

Tgt Ion:152 Resp: 34161
Ion Ratio Lower Upper
152 100
115 50.1 25.6 76.6
150 151.8 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

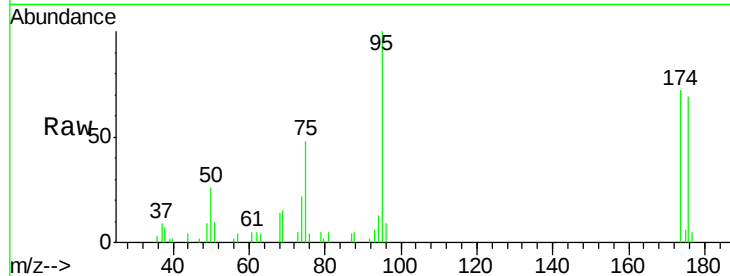




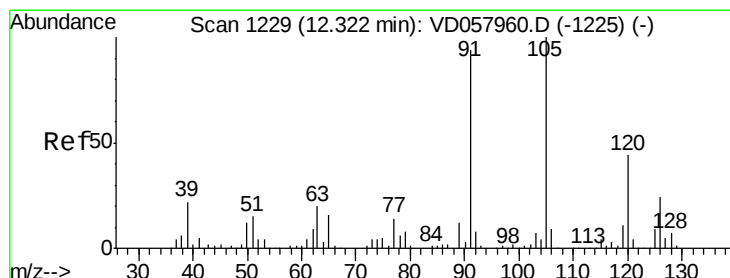
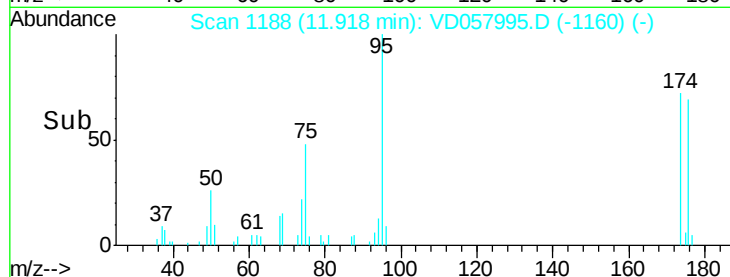
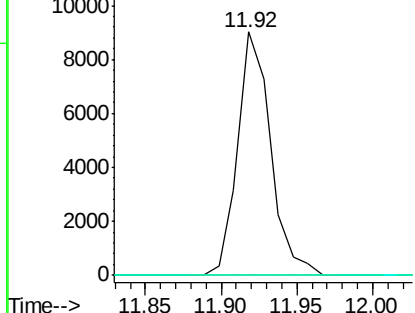
#81
trans-1,4-Dichloro-2-butene
Concen: 107.625 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD057995.D
Acq: 8 Jun 2018 4:04

Instrument :
MSVOA_D
ClientSampleId :
MH-31(0-5)RE

Tgt Ion: 75 Resp: 13679
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#

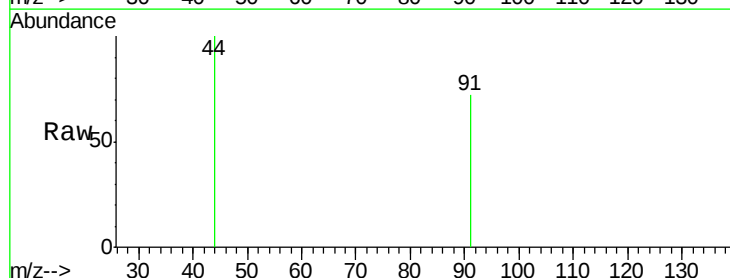


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

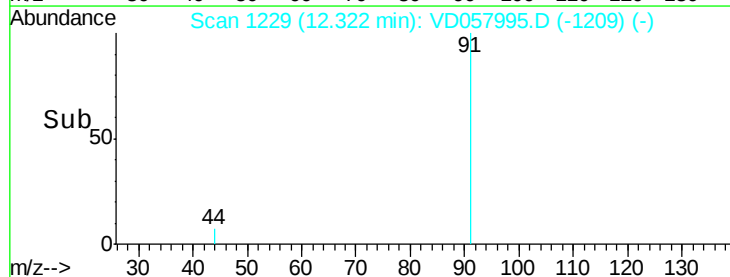
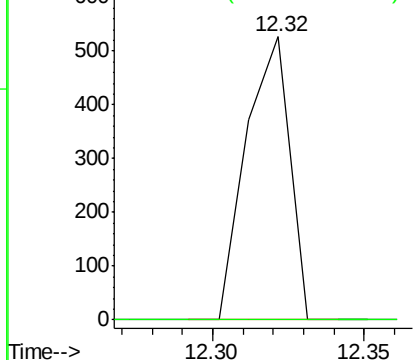


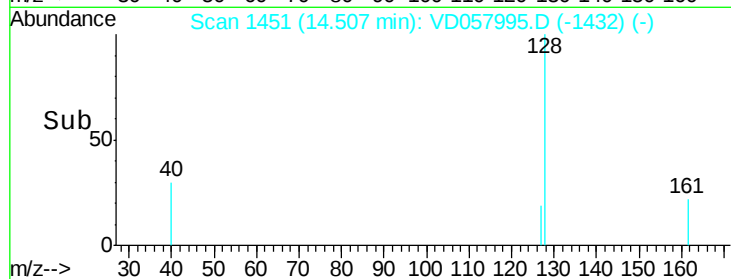
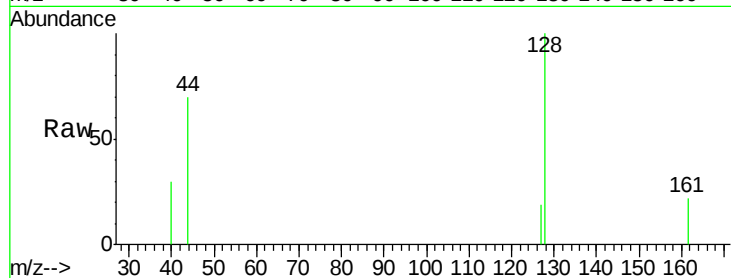
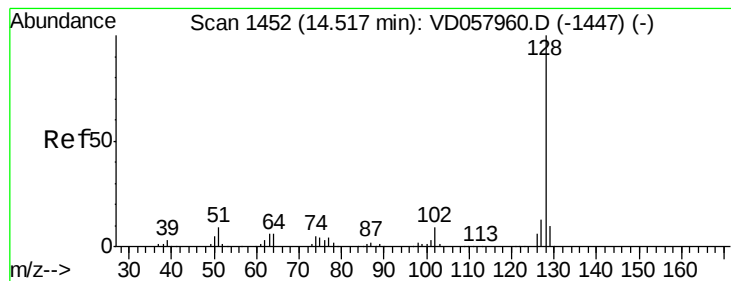
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD057995.D
Acq: 8 Jun 2018 4:04

Tgt Ion: 91 Resp: 531
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





#95

Naphthalene

Concen: 1.140 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD057995.D

Acq: 8 Jun 2018 4:04

Instrument :

MSVOA_D

ClientSampleId :

MH-31(0-5)RE

Tgt Ion:128 Resp: 1257

Ion Ratio Lower Upper

128 100

127 19.4 10.2 15.2#

129 0.0 8.2 12.2#

