

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060506.D
 Acq On : 6 Dec 2018 15:36
 Operator : VA/AP
 Sample : J6237-01
 Misc : 5.72g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 07 03:36:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	71616	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	117322	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	101122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	45958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	43644	85.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	171.96%	
35) Dibromofluoromethane	6.31	113	43346	50.30	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.60%	
50) Toluene-d8	9.45	98	87454	35.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.14%	
62) 4-Bromofluorobenzene	12.43	95	35674	39.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.96%	

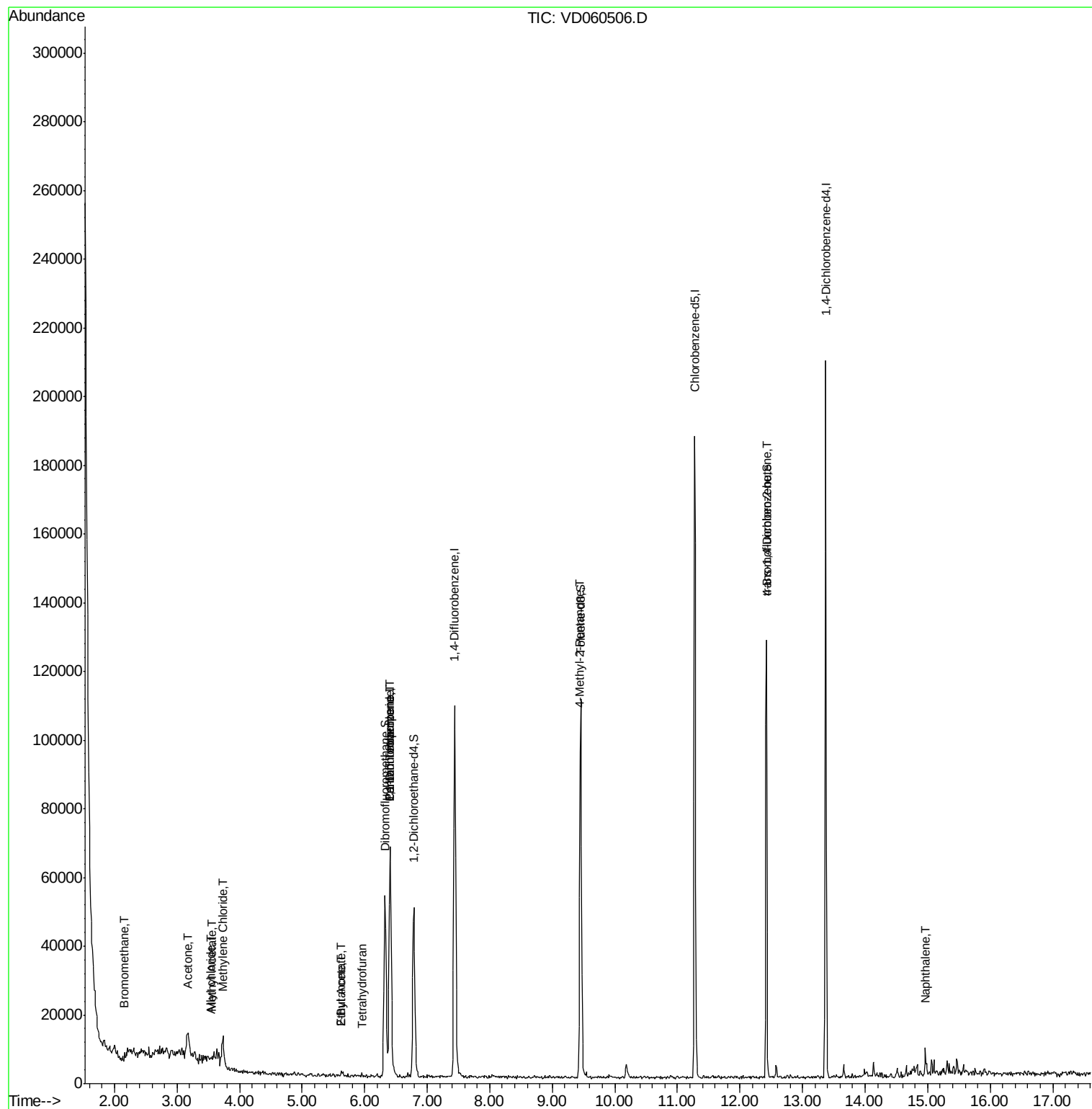
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	188	1.280	ug/l #	4
14) Allyl chloride	3.54	41	799	1.176	ug/l #	73
16) Acetone	3.17	43	16702	205.270	ug/l	93
18) Methyl Acetate	3.56	43	2443	12.633	ug/l #	64
20) Methylene Chloride	3.73	84	4938	2.347	ug/l #	83
25) 2-Butanone	5.64	43	817	5.104	ug/l #	59
29) Tetrahydrofuran	5.95	42	429	4.732	ug/l #	40
31) Cyclohexane	6.40	56	972	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	4887	4.261	ug/l #	41
37) Ethyl Acetate	5.64	43	817	1.643	ug/l #	68
38) Carbon Tetrachloride	6.40	117	5060	4.915	ug/l #	12
51) 4-Methyl-2-Pentanone	9.43	43	479	1.254	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.42	75	16122	111.007	ug/l #	14
89) n-Butylbenzene	13.64	91	371	Below Cal	#	29
95) Naphthalene	14.96	128	4539	3.859	ug/l	96

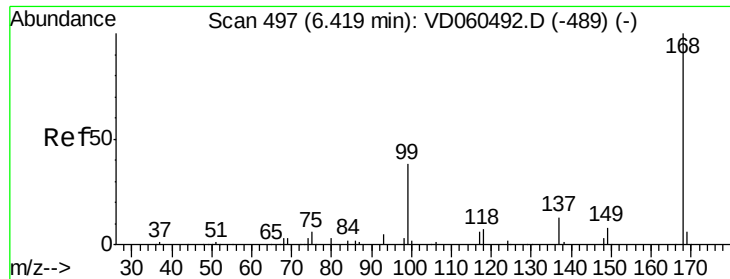
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120618\
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Misc : 5.72a/5ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :

Quant Time: Dec 07 03:36:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

Instrument :

MSVOA_D

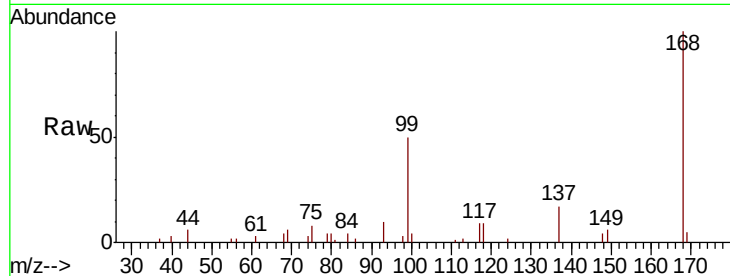
ClientSampleId :

Tot Ion:168 Resp: 71616

Ion Ratio Lower Upper

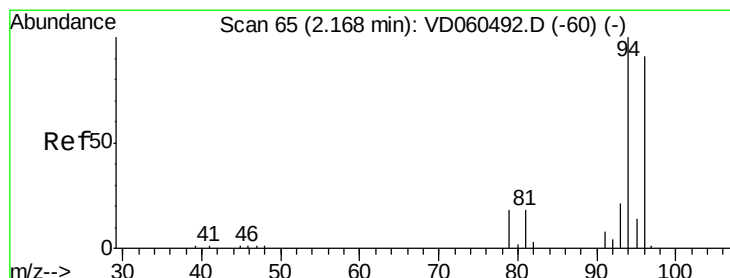
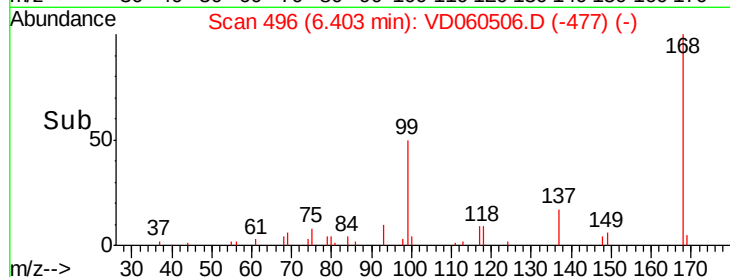
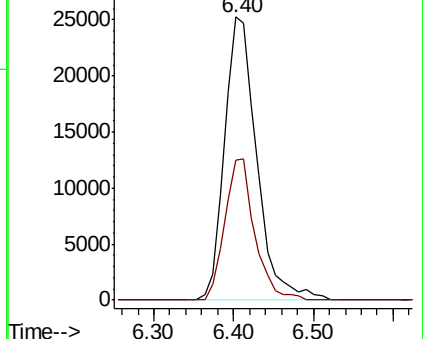
168 100

99 49.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.280 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.02 min

Lab File: VD060506.D

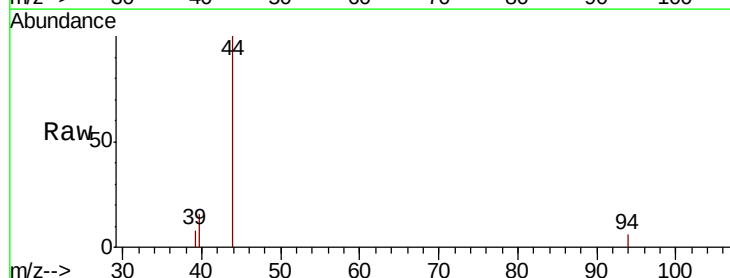
Acq: 6 Dec 2018 15:36

Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

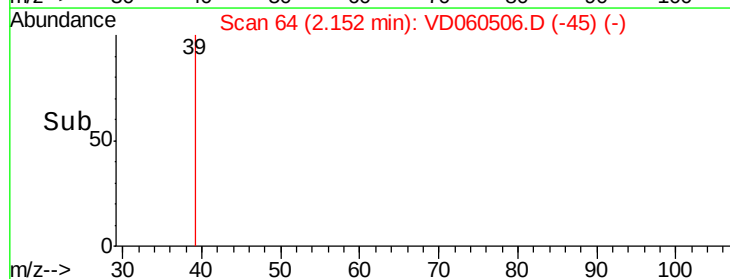
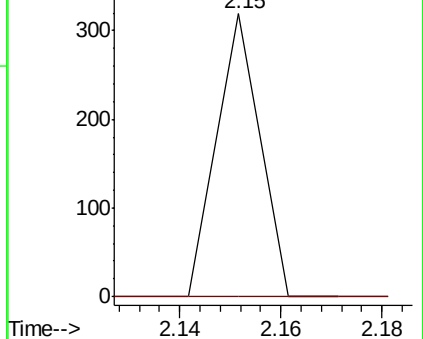
94 100

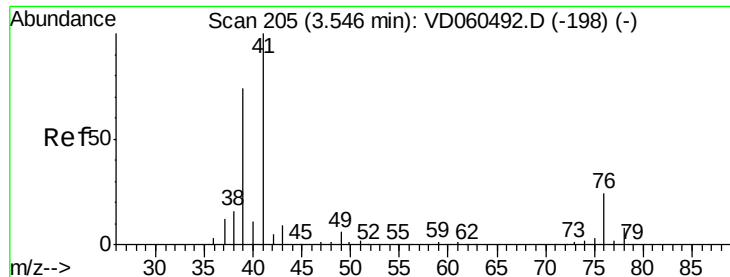
96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

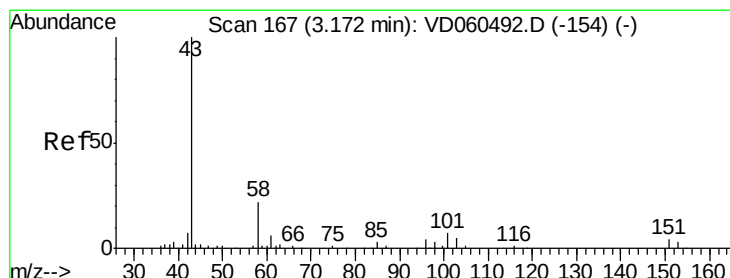
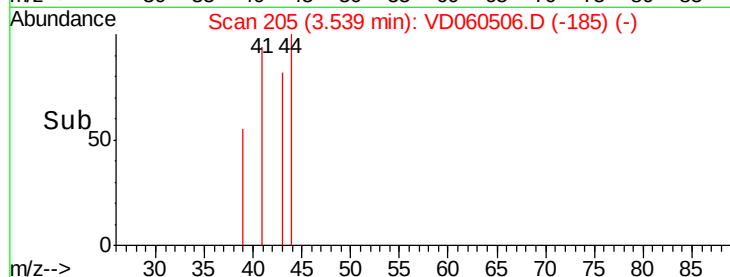
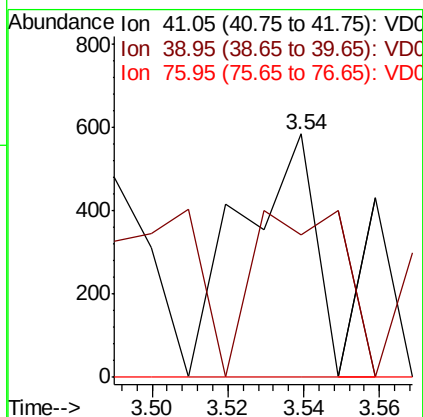
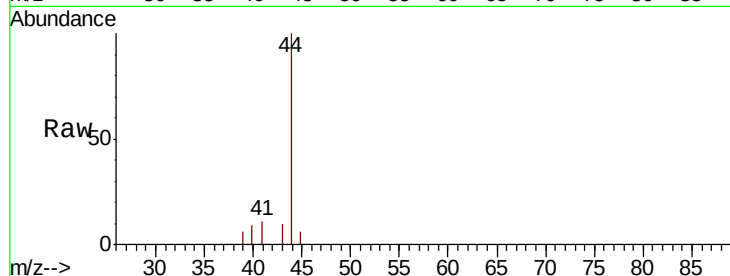




#14
Allvl chloride
Concen: 1.176 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.01 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

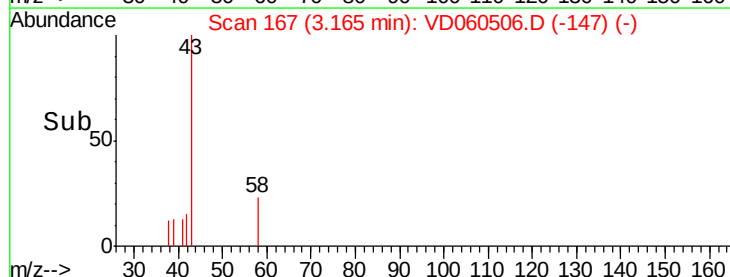
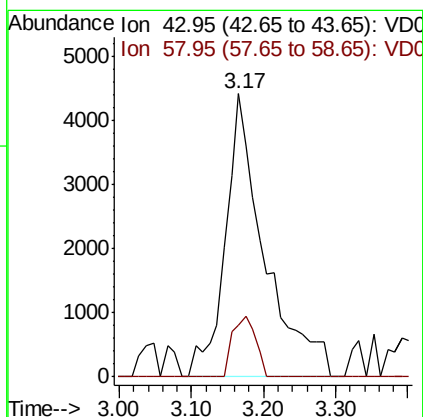
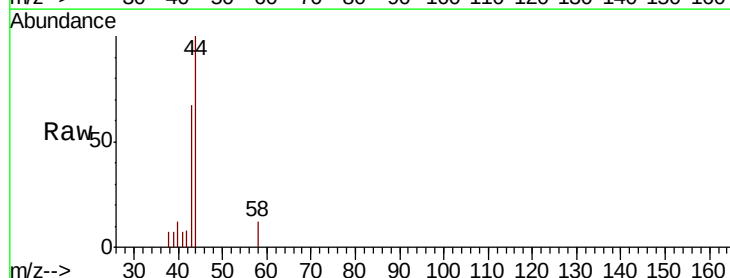
Instrument :
MSVOA_D
ClientSampled :

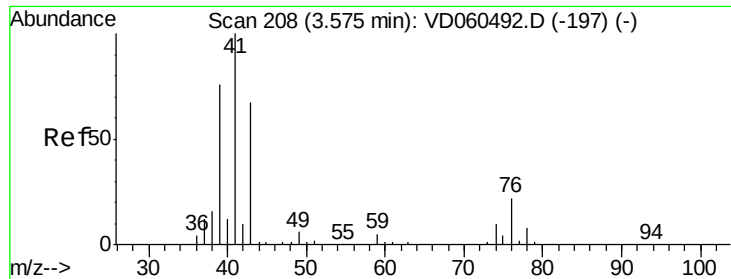
Tot Ion: 41 Resp: 799
Ion Ratio Lower Upper
41 100
39 58.7 59.3 88.9#
76 0.0 21.0 31.6#



#16
Acetone
Concen: 205.270 ug/l
RT: 3.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

Tgt Ion: 43 Resp: 16702
Ion Ratio Lower Upper
43 100
58 18.4 17.3 25.9

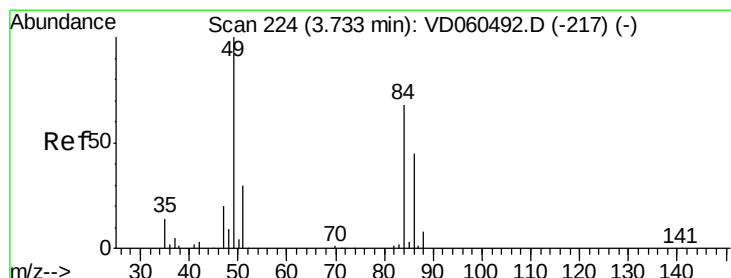
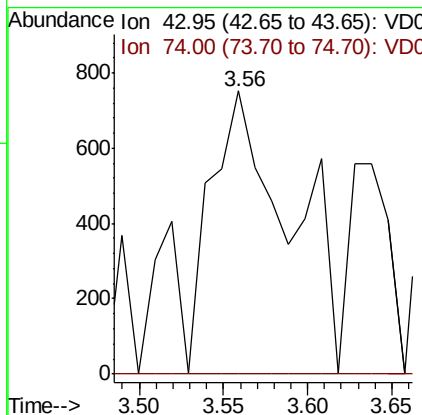
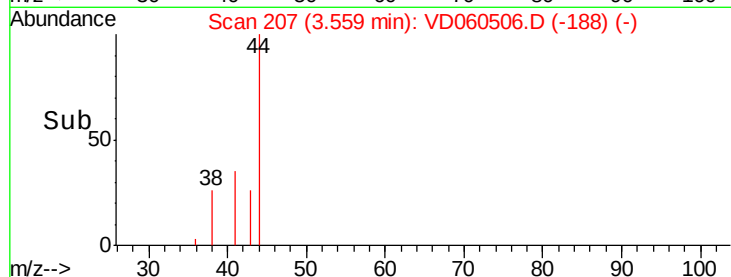
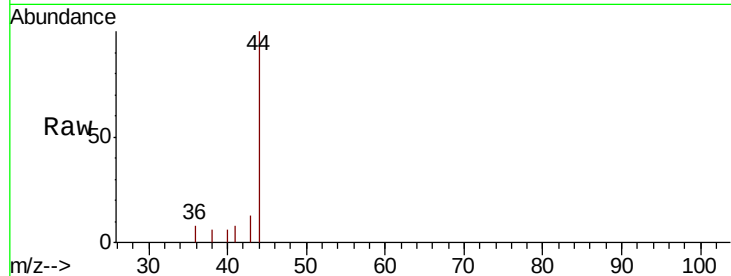




#18
Methyl Acetate
Concen: 12.633 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.02 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

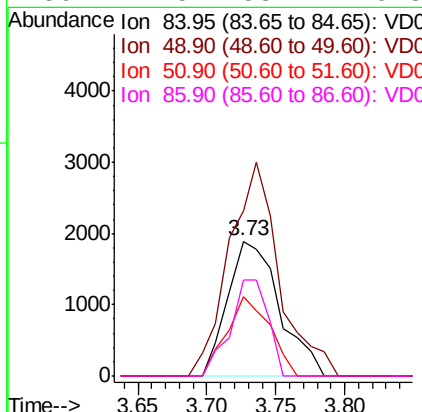
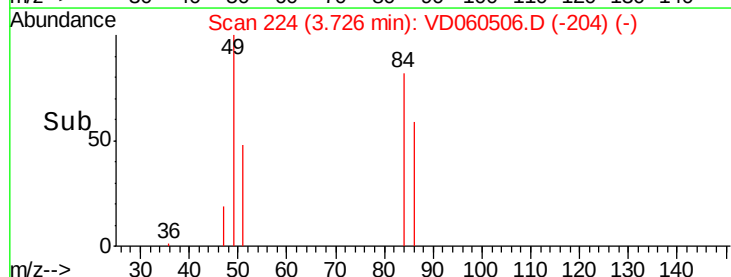
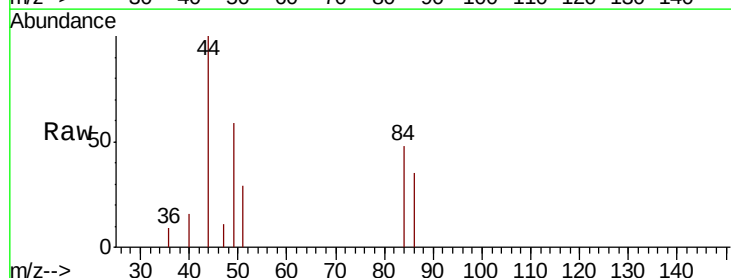
Instrument :
MSVOA_D
ClientSampleId :

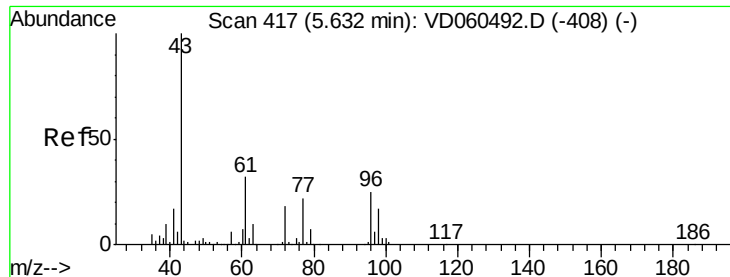
Tot Ion: 43 Resp: 2443
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 2.347 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

Tgt Ion: 84 Resp: 4938
Ion Ratio Lower Upper
84 100
49 122.2 117.2 175.8
51 59.2 35.3 52.9#
86 71.5 53.2 79.8





#25

2-Butanone

Concen: 5.104 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

Instrument :

MSVOA_D

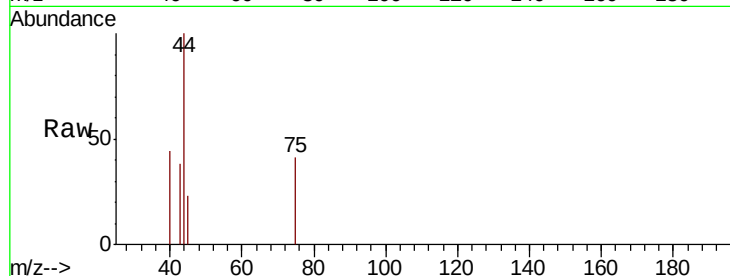
ClientSampled :

Tot Ion: 43 Resp: 817

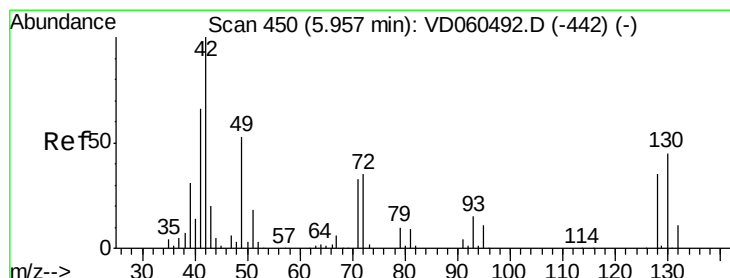
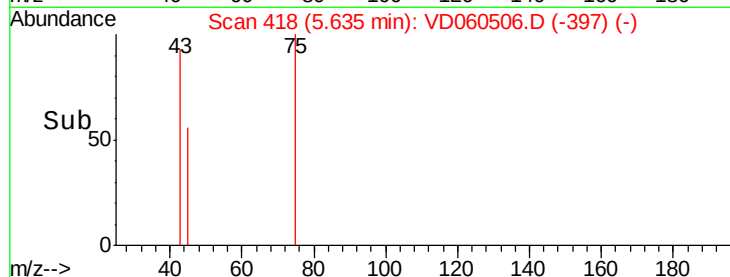
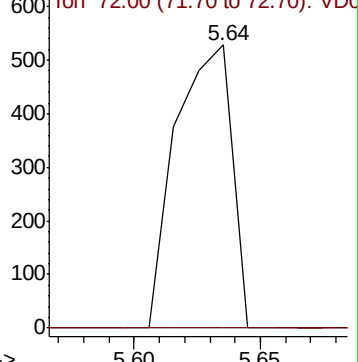
Ion Ratio Lower Upper

43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 4.732 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

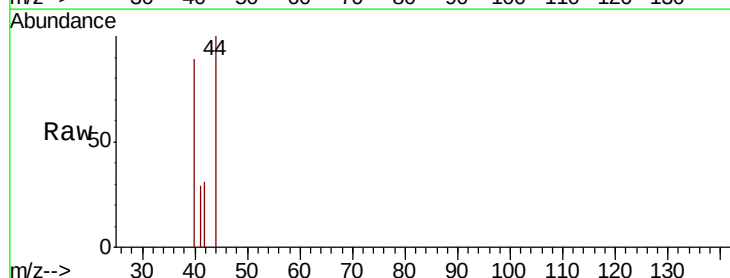
Tgt Ion: 42 Resp: 429

Ion Ratio Lower Upper

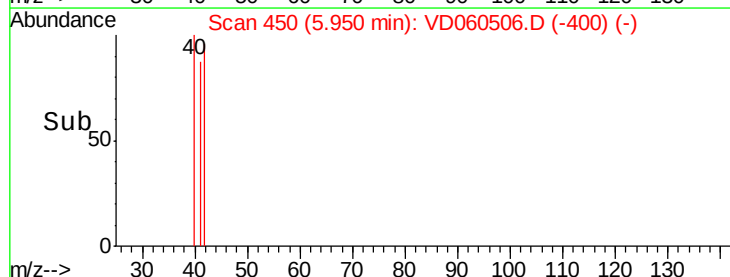
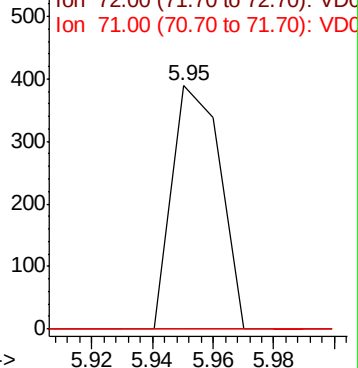
42 100

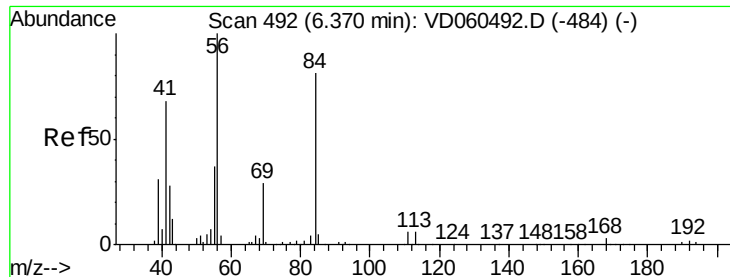
72 0.0 28.0 42.0#

71 0.0 27.2 40.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

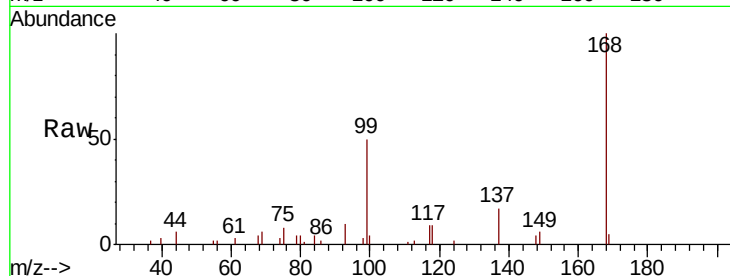




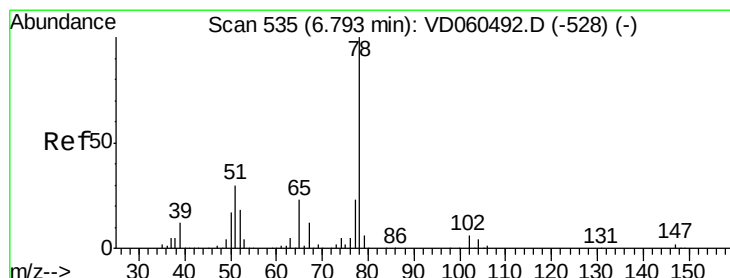
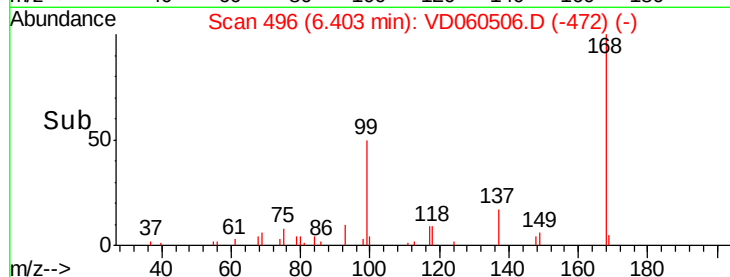
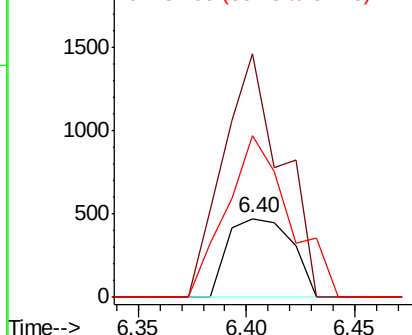
#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 972
Ion Ratio Lower Upper
56 100
69 308.4 22.8 34.2#
84 205.1 65.1 97.7#

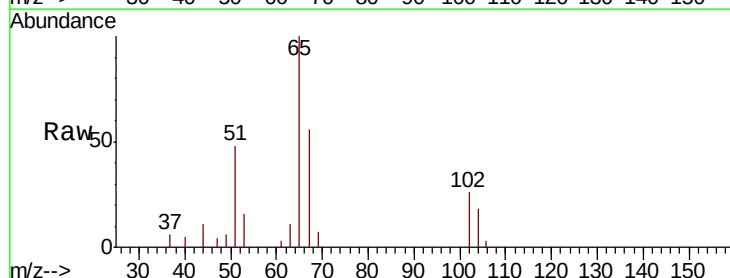


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

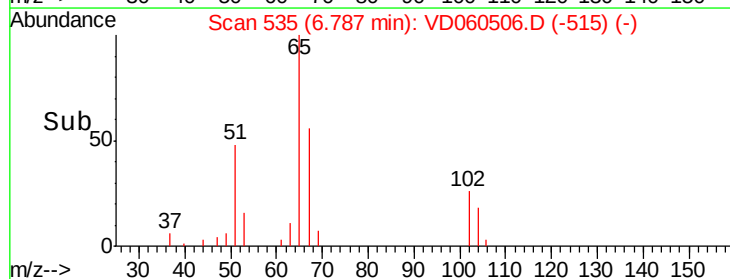
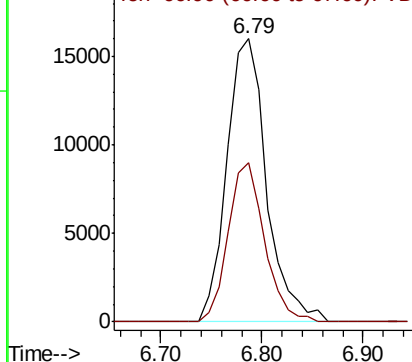


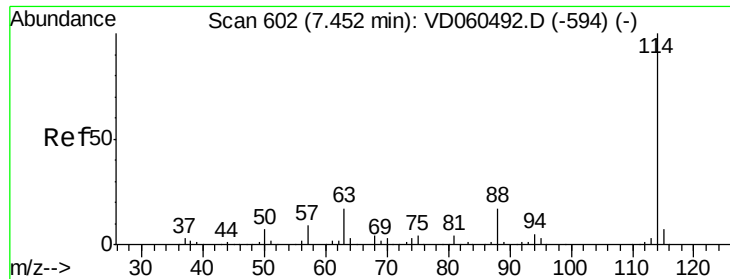
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

Tgt Ion: 65 Resp: 43644
Ion Ratio Lower Upper
65 100
67 56.3 0.0 106.8



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: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

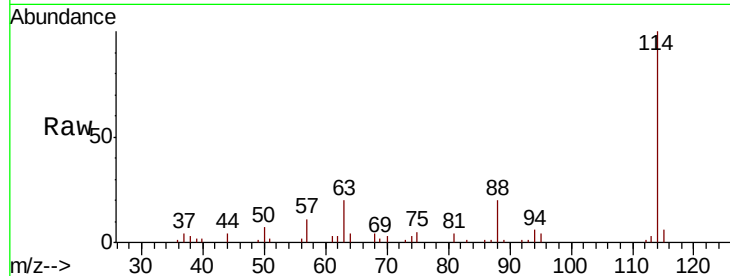
Tot Ion:114 Resp: 117322

Ion Ratio Lower Upper

114 100

63 20.4 0.0 34.2

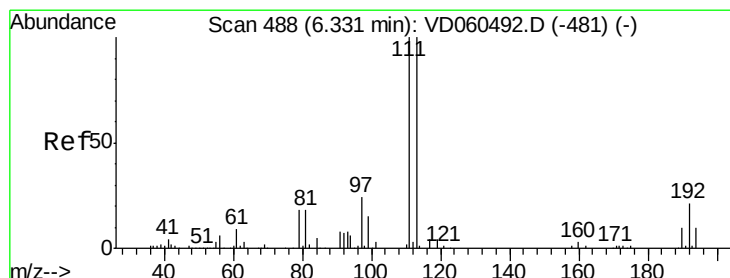
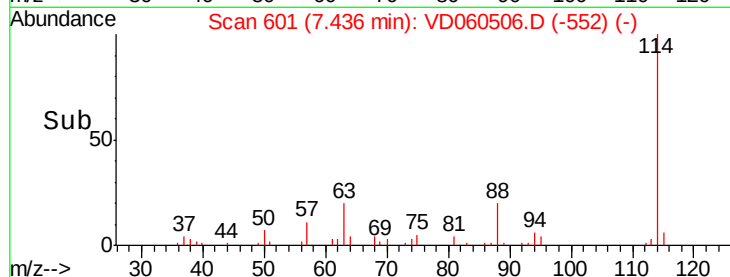
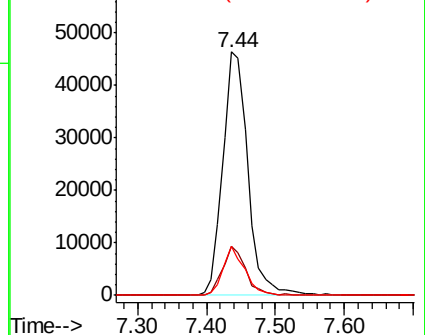
88 20.3 0.0 35.0



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: 6.31 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

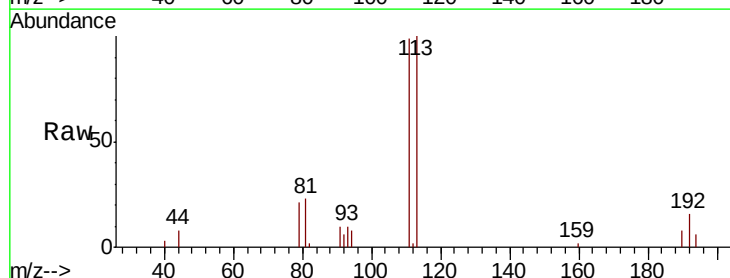
Tgt Ion:113 Resp: 43346

Ion Ratio Lower Upper

113 100

111 99.1 80.2 120.4

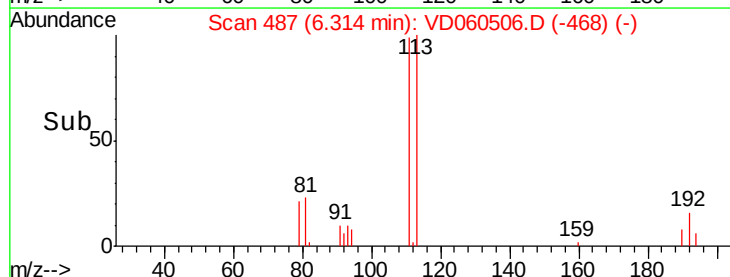
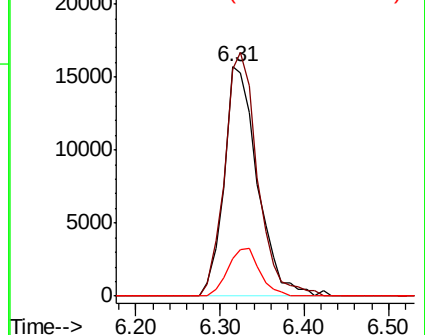
192 16.2 16.6 24.8#

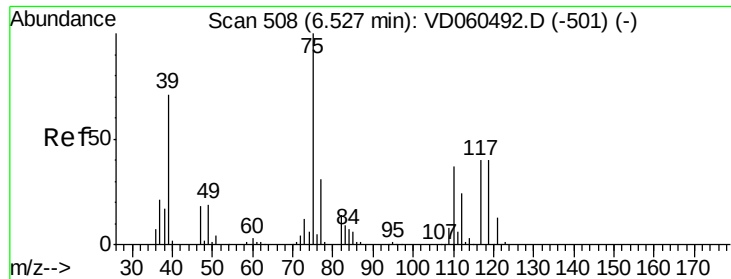


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

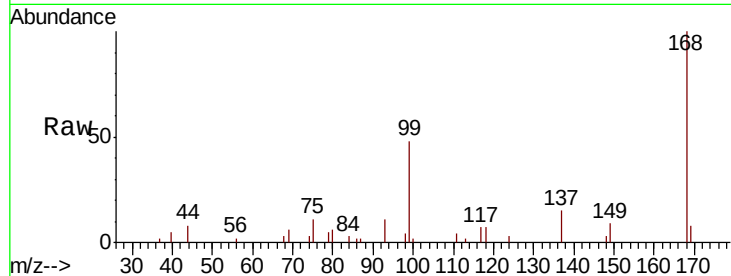




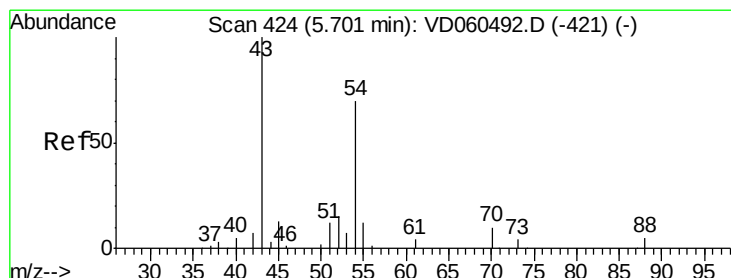
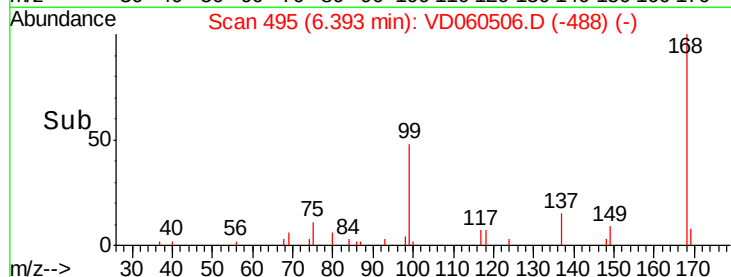
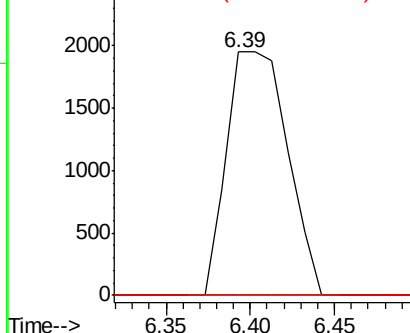
#36
 1,1-Dichloropropene
 Concen: 4.261 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.13 min
 Lab File: VD060506.D
 Acq: 6 Dec 2018 15:36

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 4887
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.3 54.8#
 77 0.0 24.6 37.0#

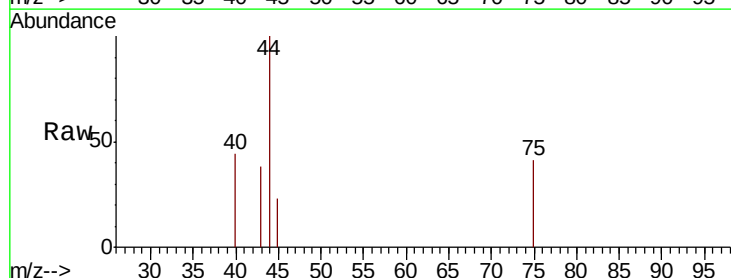


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

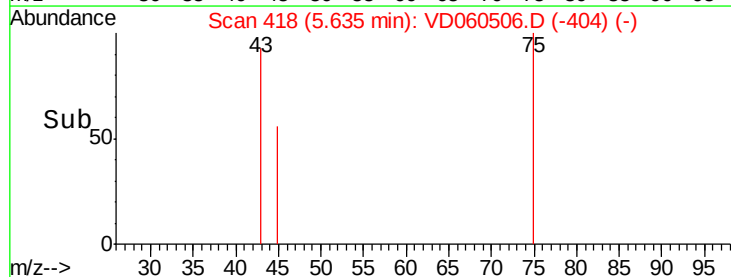
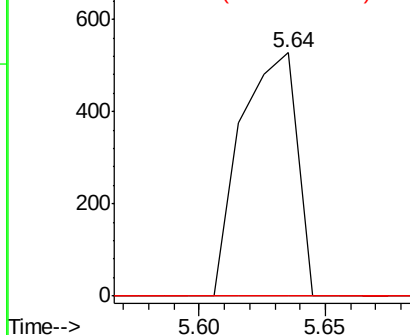


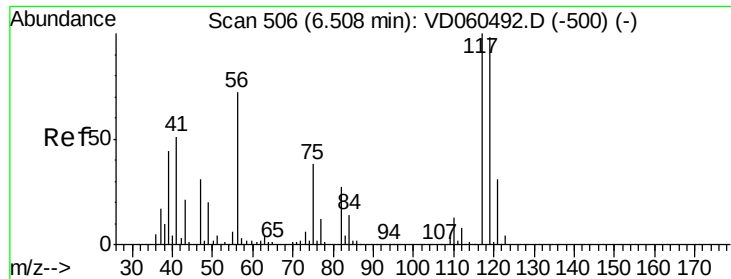
#37
 Ethyl Acetate
 Concen: 1.643 ug/l
 RT: 5.64 min Scan# 418
 Delta R.T. -0.07 min
 Lab File: VD060506.D
 Acq: 6 Dec 2018 15:36

Tgt Ion: 43 Resp: 817
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.4 18.6#
 70 0.0 5.4 8.0#



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: 4.915 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

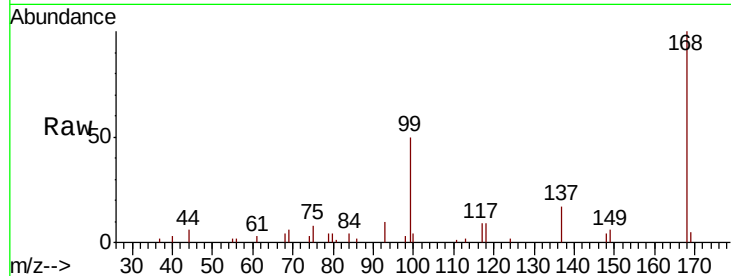
Tot Ion:117 Resp: 5060

Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

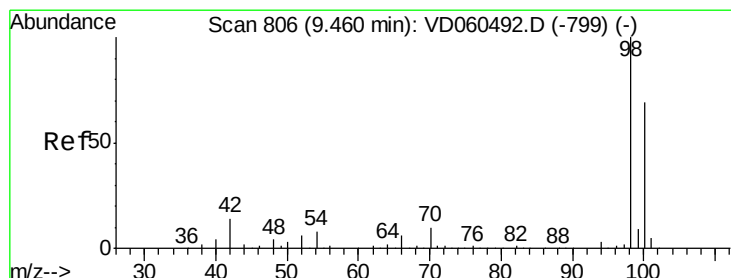
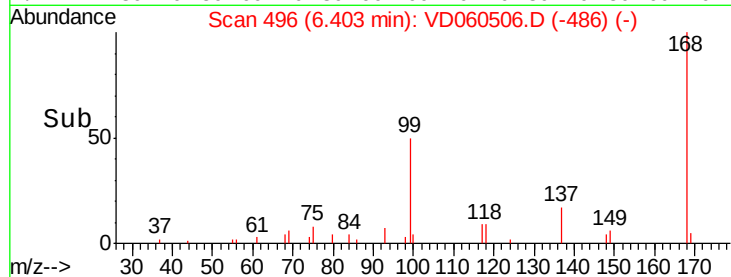
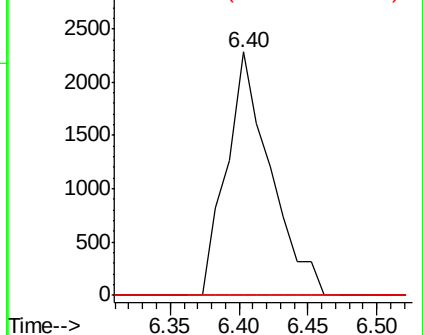
121 0.0 24.4 36.6#



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: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060506.D

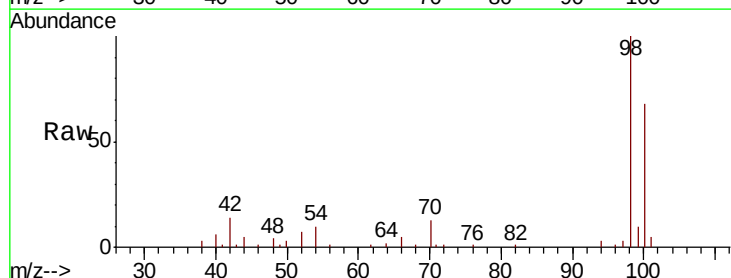
Acq: 6 Dec 2018 15:36

Tgt Ion: 98 Resp: 87454

Ion Ratio Lower Upper

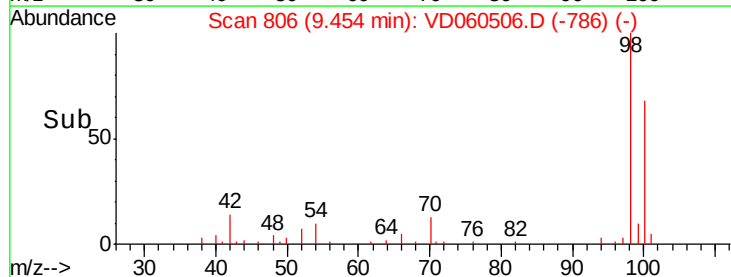
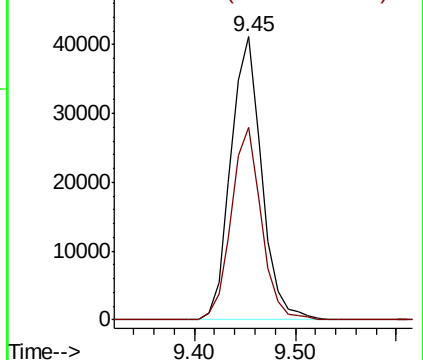
98 100

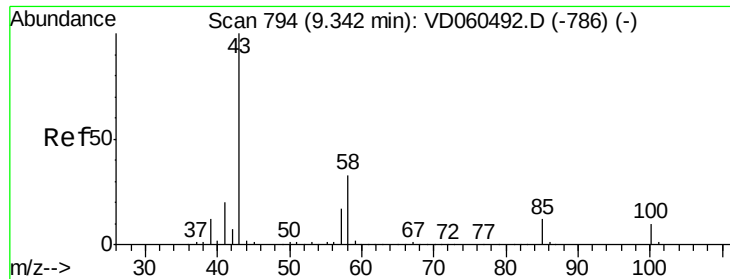
100 67.9 55.7 83.5



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: 1.254 ug/l

RT: 9.43 min Scan# 804

Delta R.T. 0.09 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

Instrument :

MSVOA_D

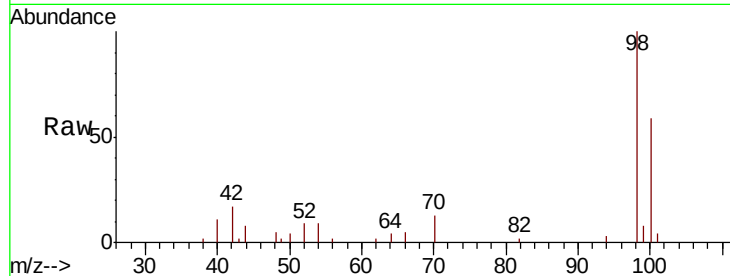
ClientSampled :

Tot Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.43

400

300

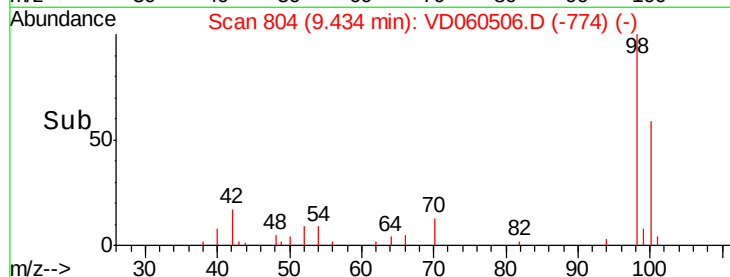
200

100

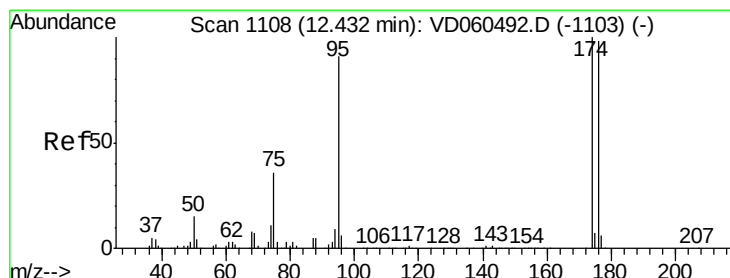
0

9.40

9.45



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060506.D

Acq: 6 Dec 2018 15:36

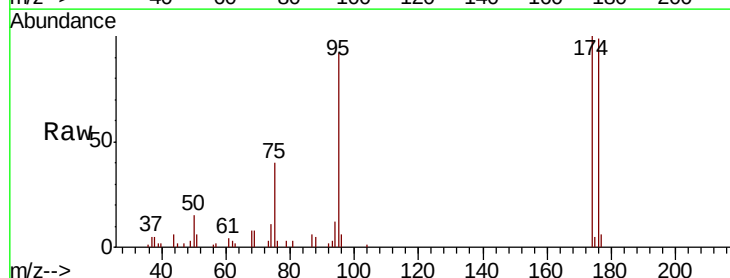
Tgt Ion: 95 Resp: 35674

Ion Ratio Lower Upper

95 100

174 108.2 0.0 219.4

176 106.7 0.0 214.6



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

30000

20000

10000

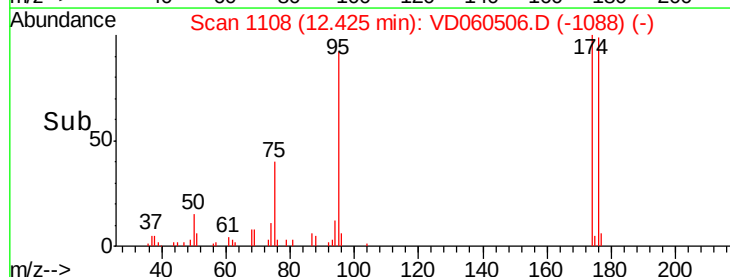
0

12.35

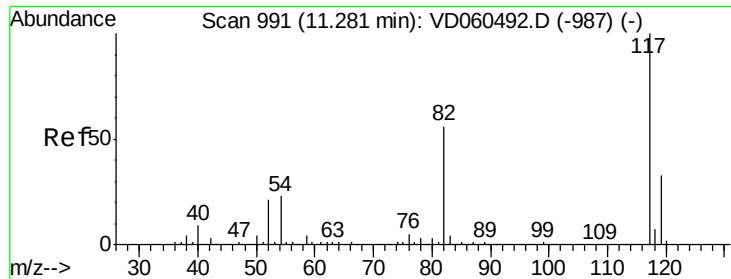
12.40

12.45

12.50



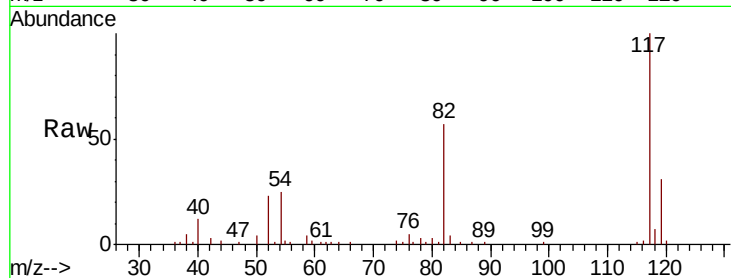
Time-->



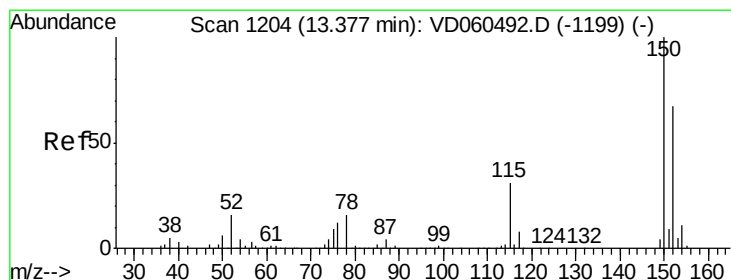
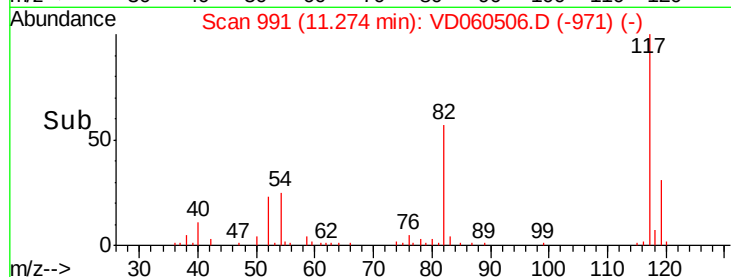
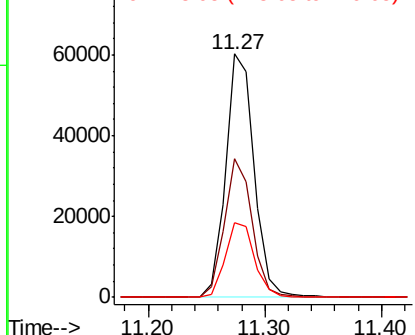
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 101122
Ion Ratio Lower Upper
117 100
82 57.0 45.2 67.8
119 30.7 26.1 39.1

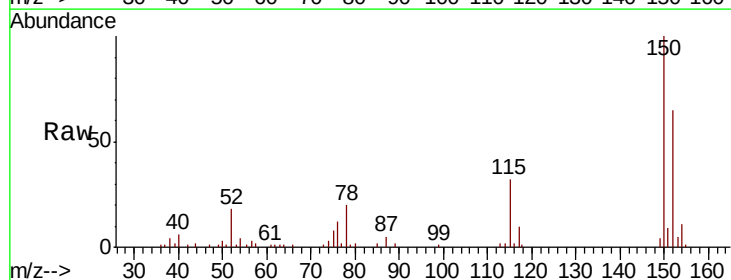


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

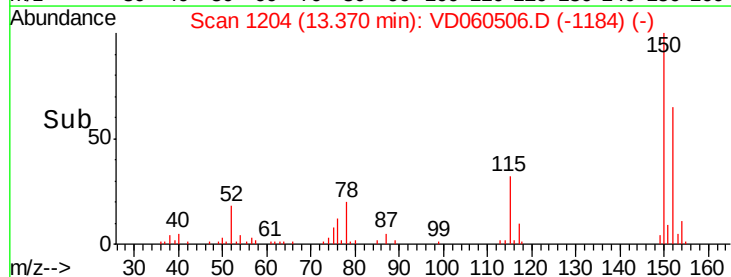
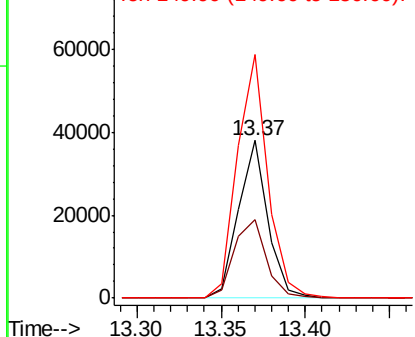


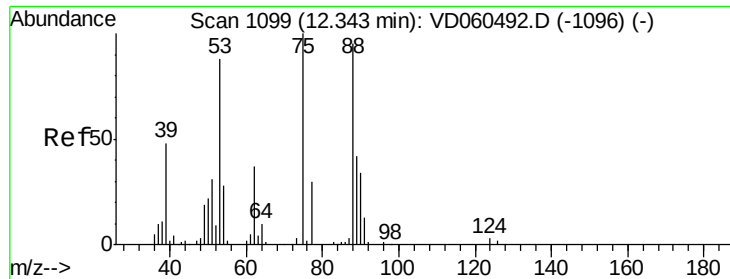
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060506.D
Acq: 6 Dec 2018 15:36

Tgt Ion:152 Resp: 45958
Ion Ratio Lower Upper
152 100
115 49.7 24.6 74.0
150 154.7 0.0 309.0



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

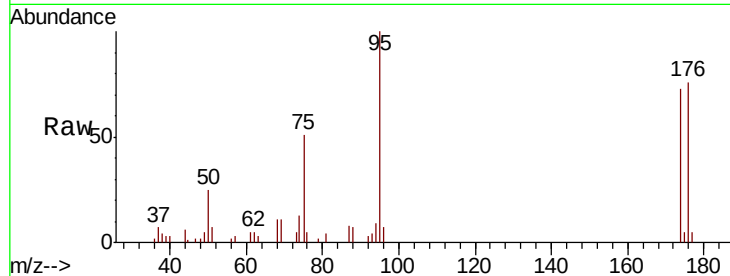




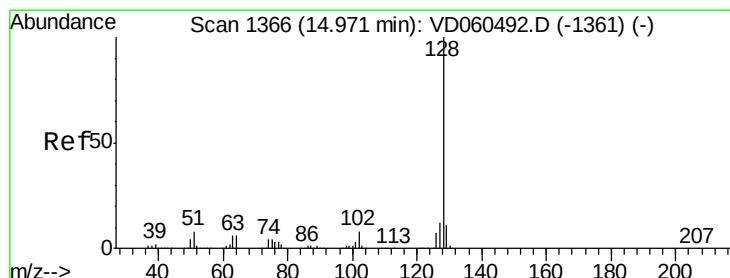
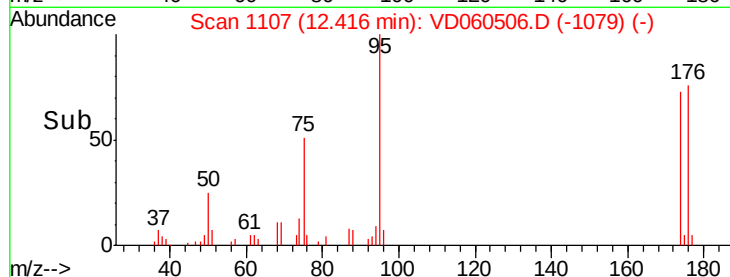
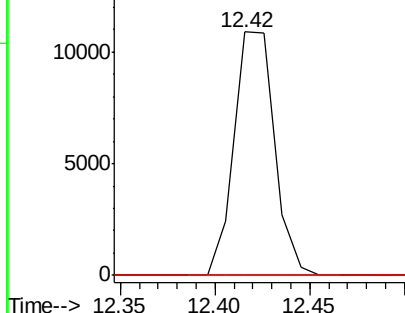
#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.007 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.07 min
 Lab File: VD060506.D
 Acq: 6 Dec 2018 15:36

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 16122
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 33.6 50.4#

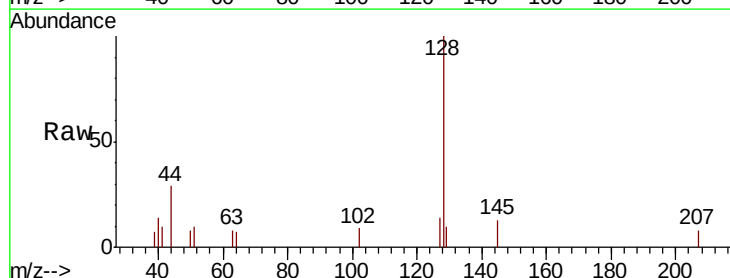


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC



#95
 Naphthalene
 Concen: 3.859 ug/l
 RT: 14.96 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VD060506.D
 Acq: 6 Dec 2018 15:36

Tgt Ion:128 Resp: 4539
 Ion Ratio Lower Upper
 128 100
 127 14.2 9.8 14.8
 129 9.7 8.6 13.0



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

