

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060368.D
 Acq On : 13 Nov 2018 18:48
 Operator : JC/SY
 Sample : J5889-10RE
 Misc : 9.94g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 05:52:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

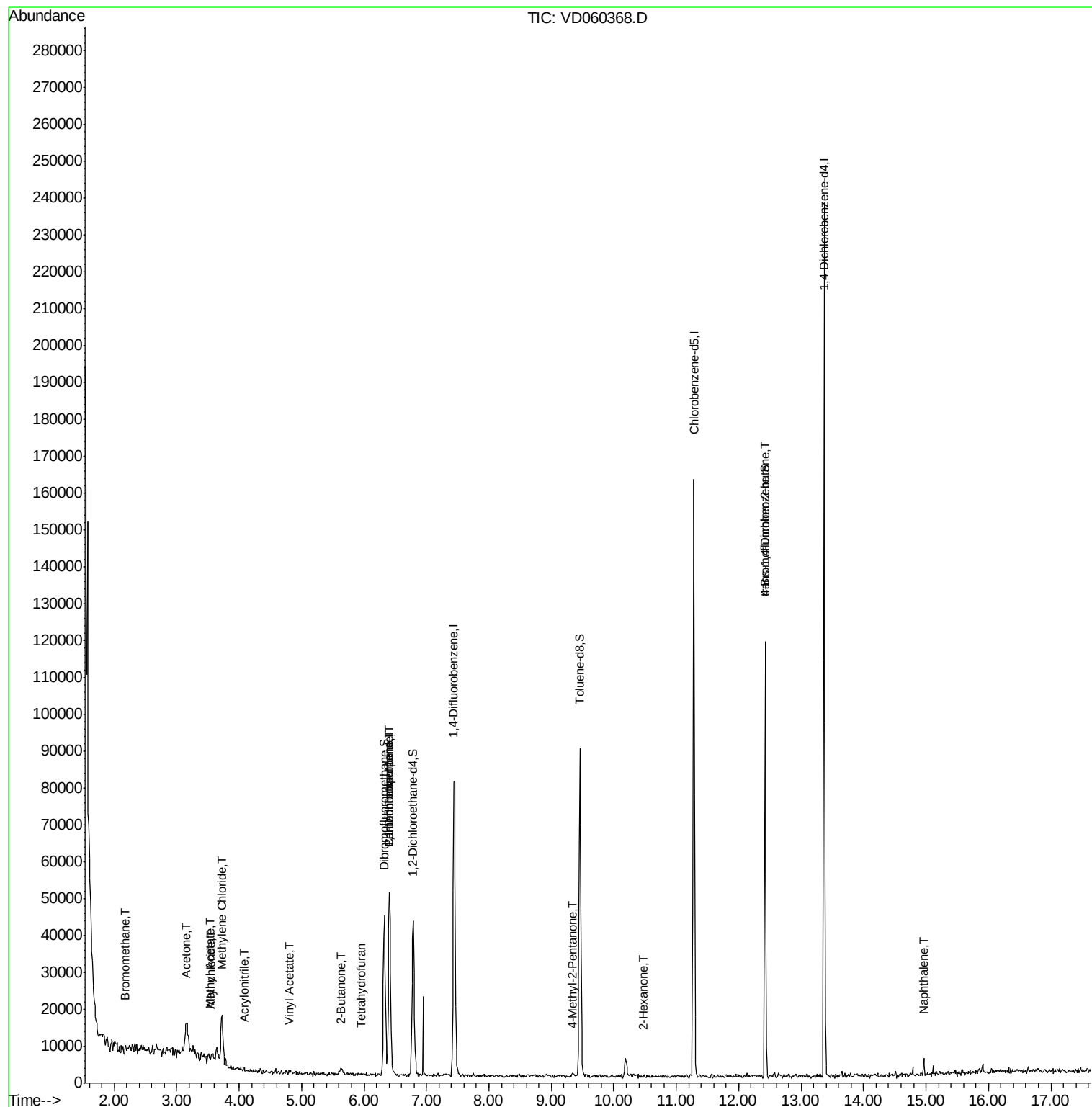
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	50739	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	85921	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	90215	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	46169	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	35804	98.55	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	197.10%	
35) Dibromofluoromethane	6.33	113	33843	52.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.64%	
50) Toluene-d8	9.45	98	68484	36.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	73.04%	
62) 4-Bromofluorobenzene	12.43	95	29846	43.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.84%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.17	94	739	7.936	ug/l #	2
14) Allyl chloride	3.55	41	2915	6.154	ug/l #	68
15) Acrylonitrile	4.08	53	436	5.012	ug/l #	77
16) Acetone	3.16	43	19748	313.370	ug/l	94
18) Methyl Acetate	3.53	43	2041	15.189	ug/l #	63
20) Methylene Chloride	3.73	84	7150	12.790	ug/l #	85
23) Vinyl Acetate	4.80	43	1533	1.741	ug/l #	79
25) 2-Butanone	5.62	43	2604	19.880	ug/l #	60
29) Tetrahydrofuran	5.96	42	226	3.273	ug/l #	41
36) 1,1-Dichloropropene	6.40	75	3039	3.580	ug/l #	41
38) Carbon Tetrachloride	6.40	117	3214	4.082	ug/l #	12
51) 4-Methyl-2-Pentanone	9.35	43	817	2.558	ug/l #	42
59) 2-Hexanone	10.49	43	788	3.462	ug/l #	31
81) trans-1,4-Dichloro-2-buten	12.43	75	13266	84.370	ug/l #	15
89) n-Butylbenzene	13.65	91	298	Below Cal	#	29
95) Naphthalene	14.97	128	3639	2.879	ug/l	95

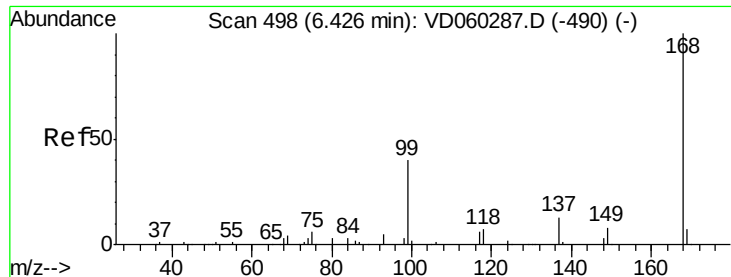
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111318\
Data File : VD060368.D
Acq On : 13 Nov 2018 18:48
Operator : JC/SY
Sample : J5889-10RE
Misc : 9.94µl/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 14 05:52:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 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: VD060368.D

Acq: 13 Nov 2018 18:48

Instrument :

MSVOA_D

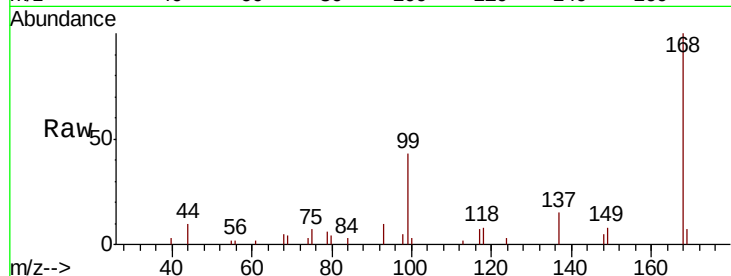
ClientSampleId :

Tot Ion:168 Resp: 50739

Ion Ratio Lower Upper

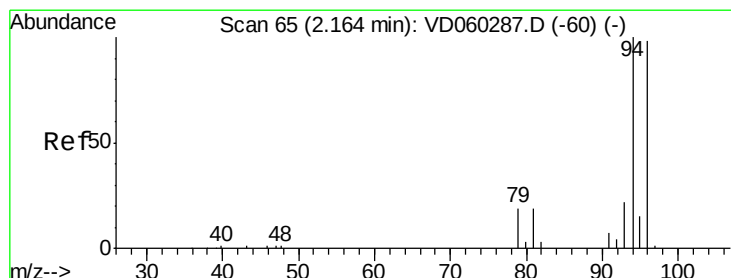
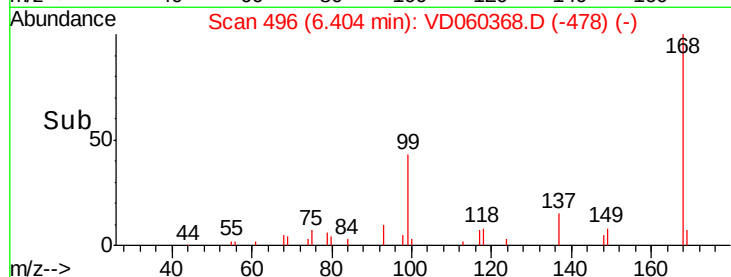
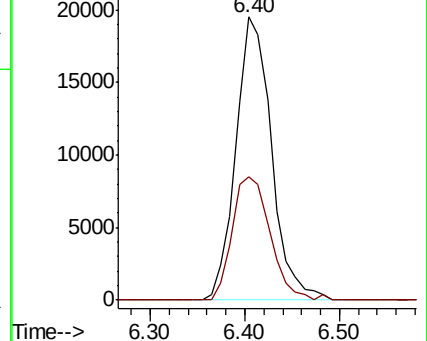
168 100

99 43.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 7.936 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060368.D

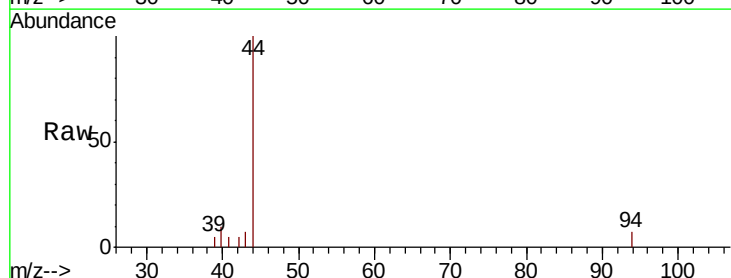
Acq: 13 Nov 2018 18:48

Tgt Ion: 94 Resp: 739

Ion Ratio Lower Upper

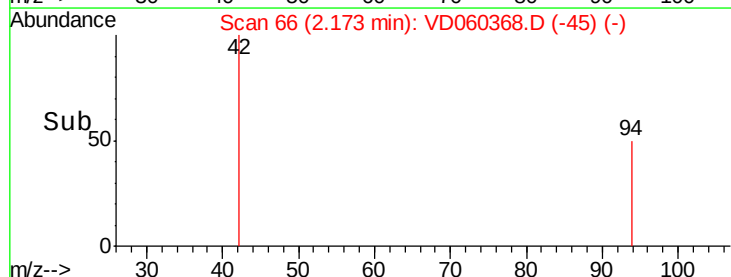
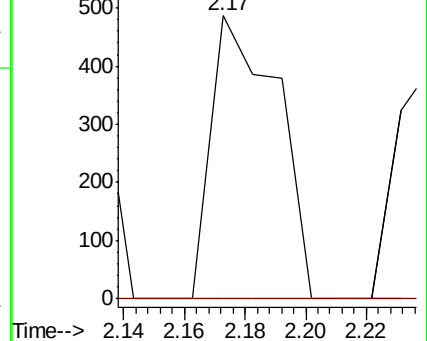
94 100

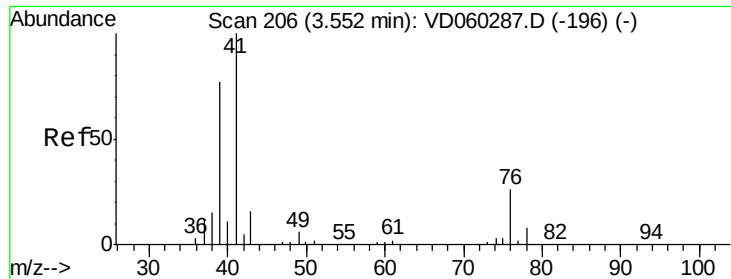
96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

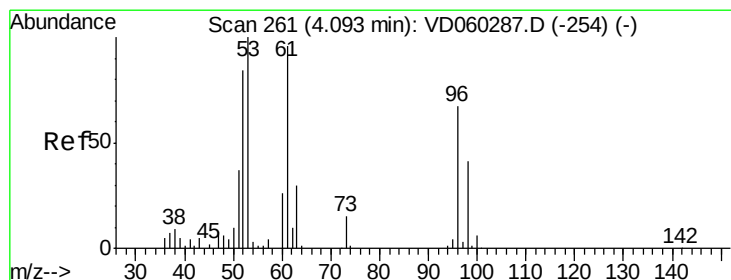
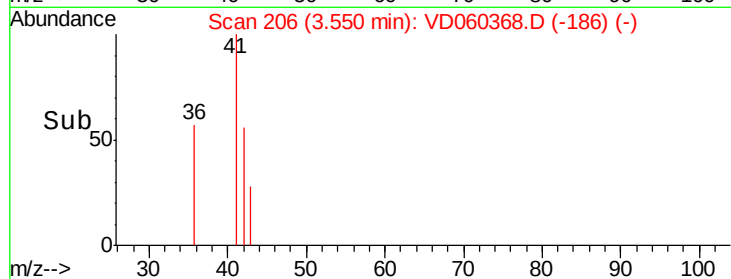
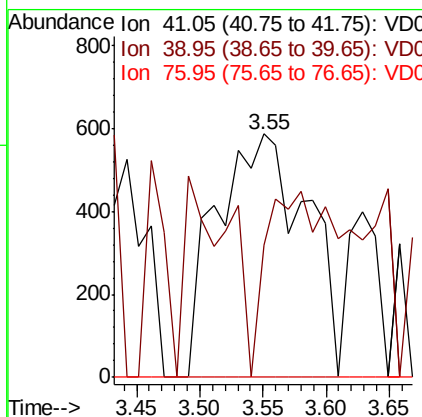
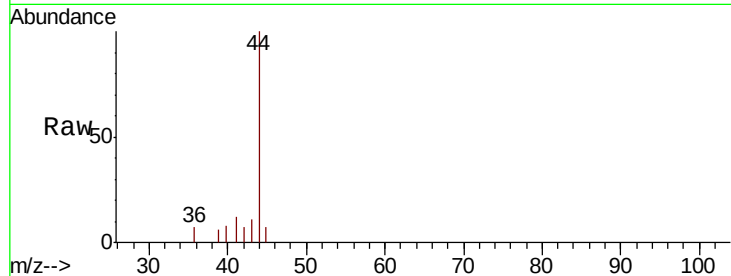




#14
Allvl chloride
Concen: 6.154 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.00 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

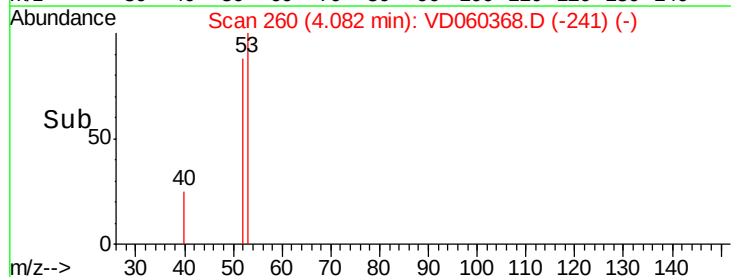
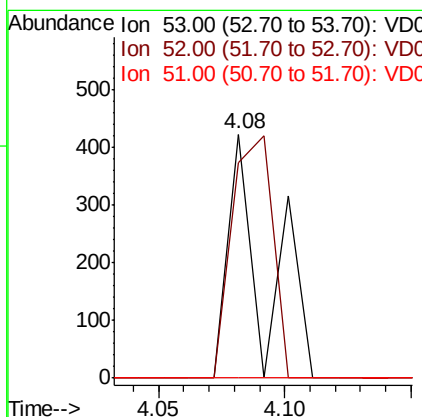
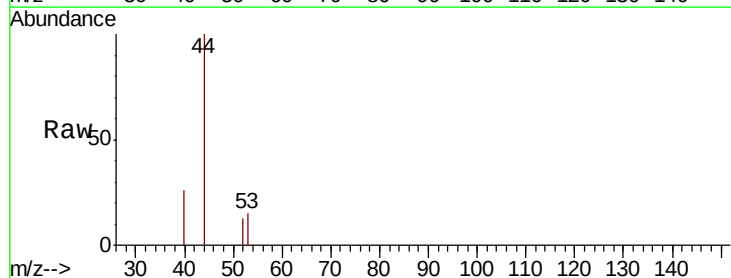
Instrument :
MSVOA_D
ClientSampled :

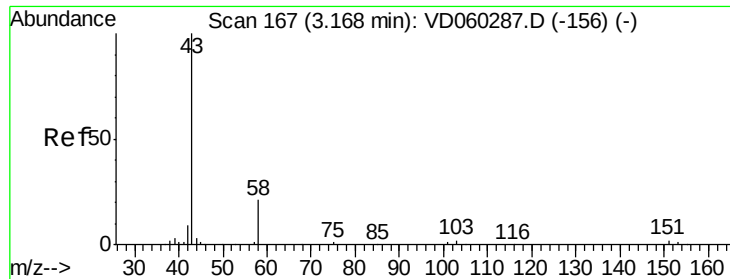
Tot Ion: 41 Resp: 2915
Ion Ratio Lower Upper
41 100
39 54.3 60.4 90.6#
76 0.0 21.8 32.8#



#15
Acrylonitrile
Concen: 5.012 ug/l
RT: 4.08 min Scan# 260
Delta R.T. -0.01 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

Tgt Ion: 53 Resp: 436
Ion Ratio Lower Upper
53 100
52 88.2 67.0 100.4
51 0.0 29.9 44.9#





#16

Acetone

Concen: 313.370 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

Instrument :

MSVOA_D

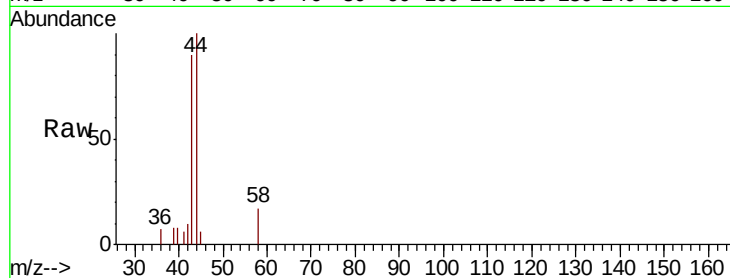
ClientSampleId :

Tot Ion: 43 Resp: 19748

Ion Ratio Lower Upper

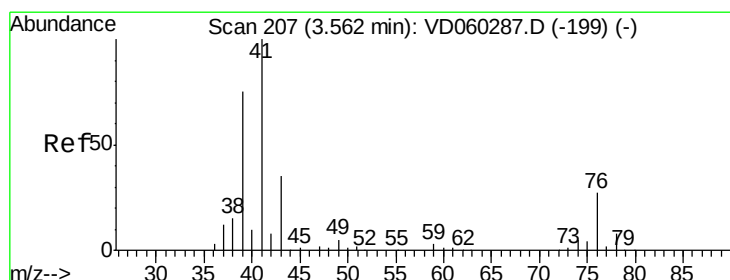
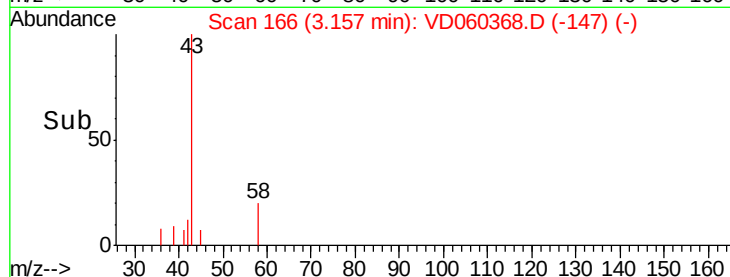
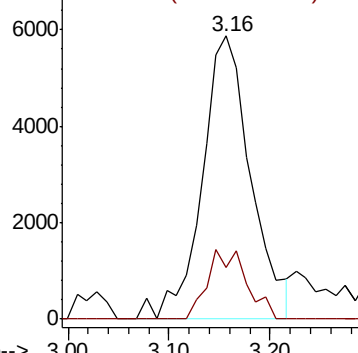
43 100

58 18.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 15.189 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060368.D

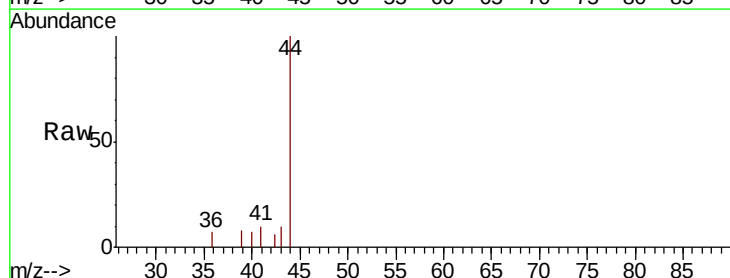
Acq: 13 Nov 2018 18:48

Tgt Ion: 43 Resp: 2041

Ion Ratio Lower Upper

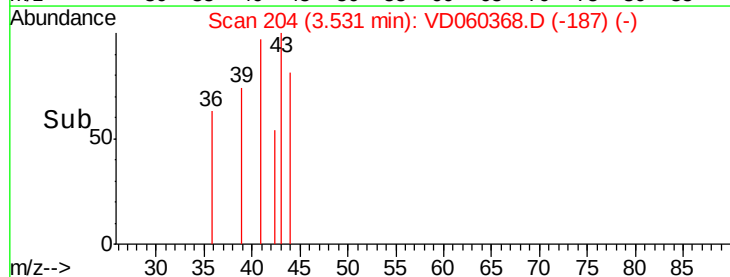
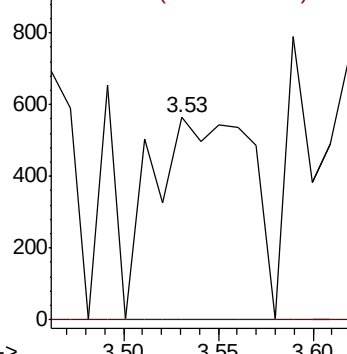
43 100

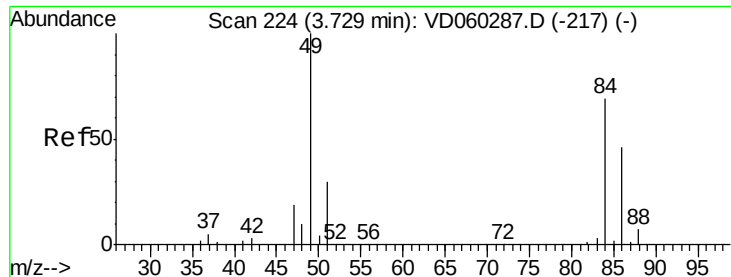
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

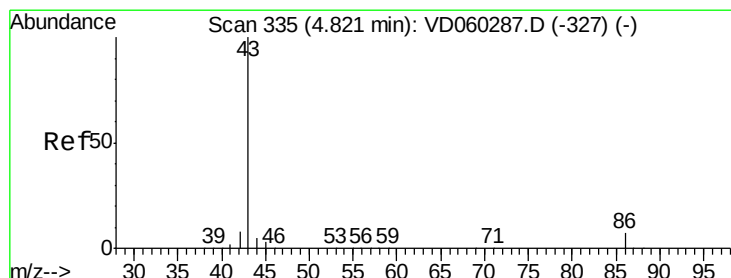
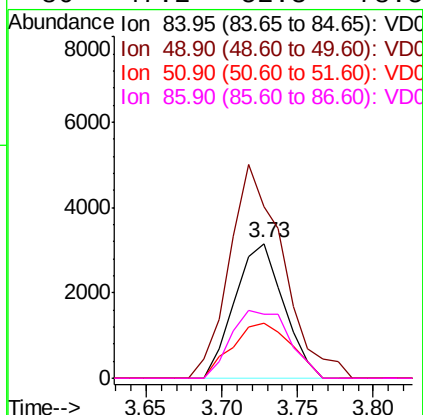
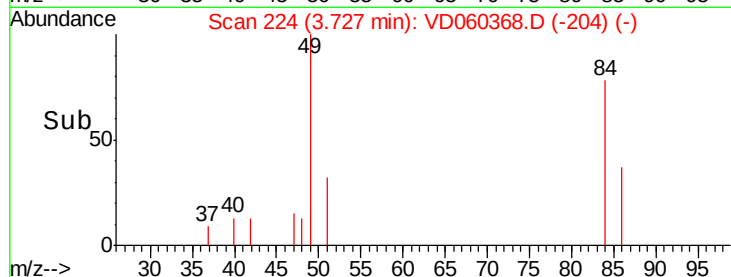
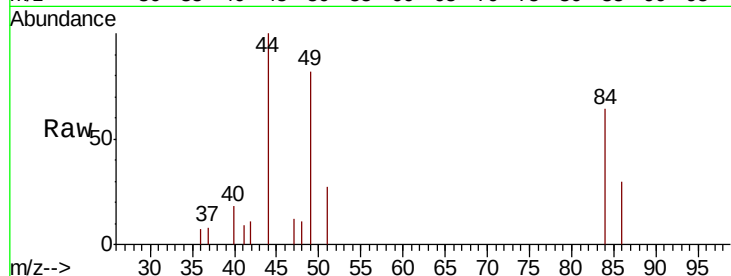




#20
Methvlene Chloride
Concen: 12.790 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

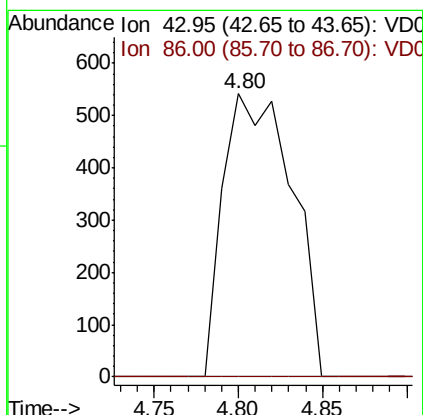
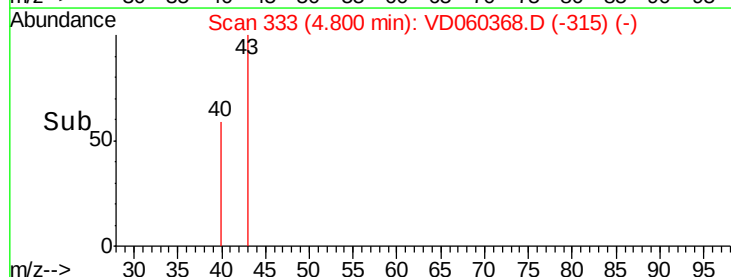
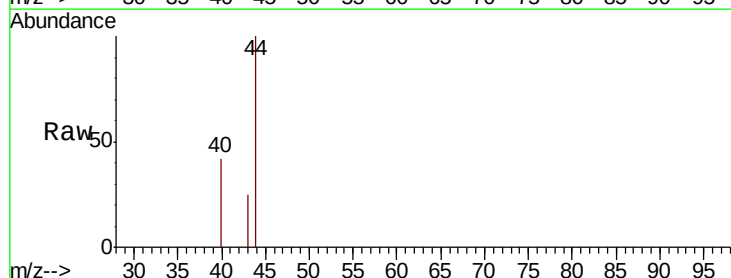
Instrument :
MSVOA_D
ClientSampleId :

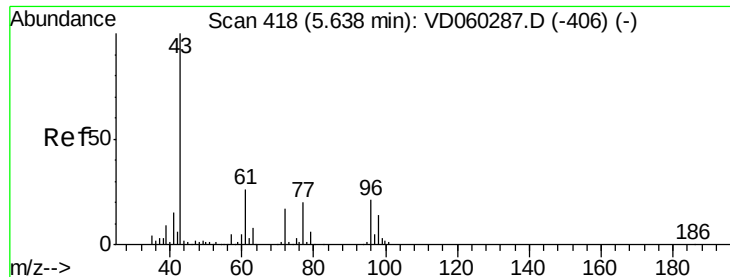
Tot Ion: 84 Resp: 7150
Ion Ratio Lower Upper
84 100
49 127.4 115.6 173.4
51 41.2 35.6 53.4
86 47.2 52.3 78.5#



#23
Vinyl Acetate
Concen: 1.741 ug/l
RT: 4.80 min Scan# 333
Delta R.T. -0.02 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
86 0.0 5.7 8.5#





#25

2-Butanone

Concen: 19.880 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

Instrument :

MSVOA_D

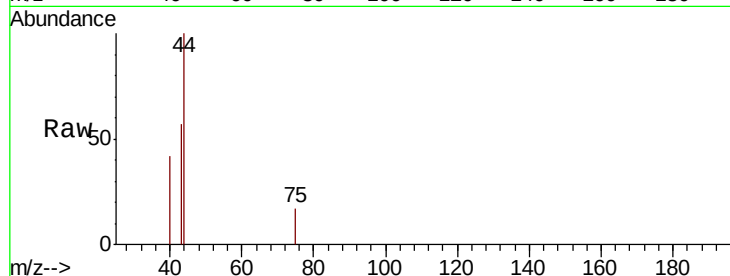
ClientSampled :

Tot Ion: 43 Resp: 2604

Ion Ratio Lower Upper

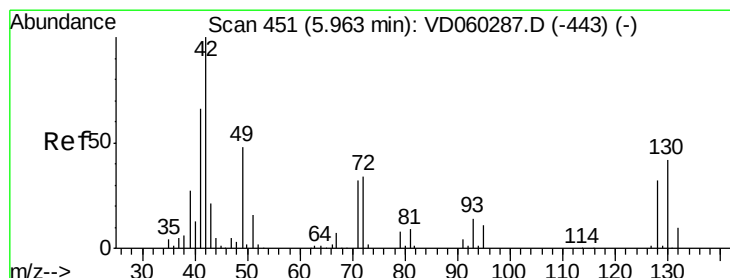
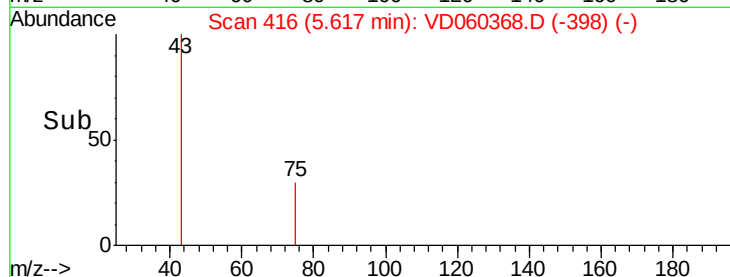
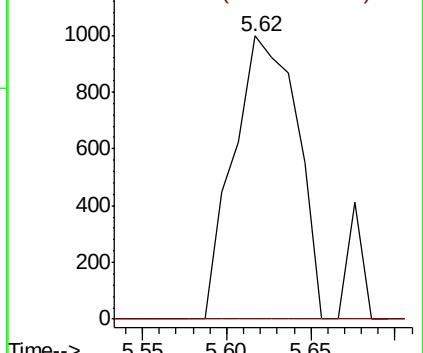
43 100

72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 3.273 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

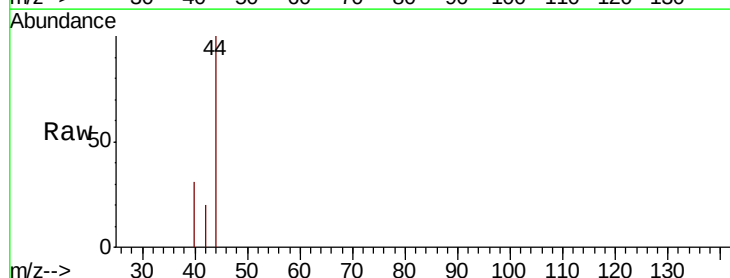
Tgt Ion: 42 Resp: 226

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

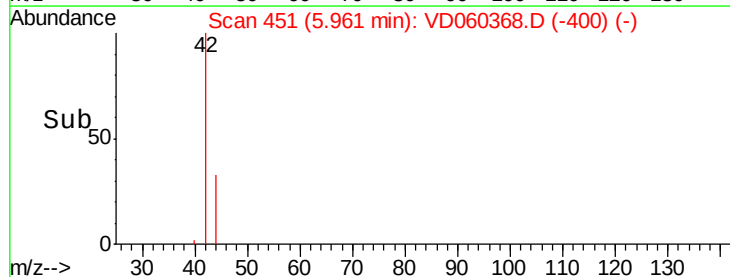
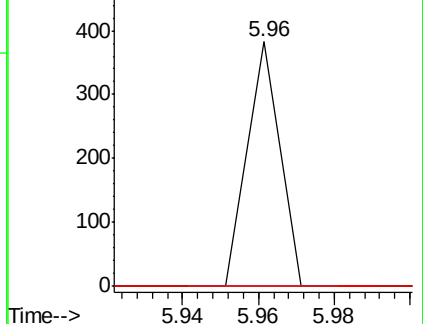
71 0.0 26.5 39.7#

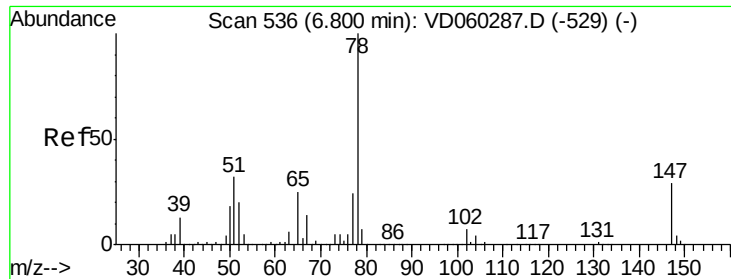


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

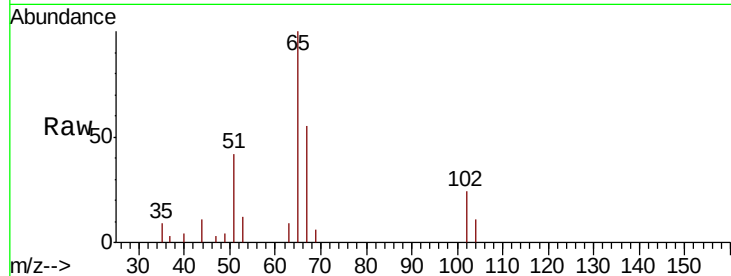
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 35804

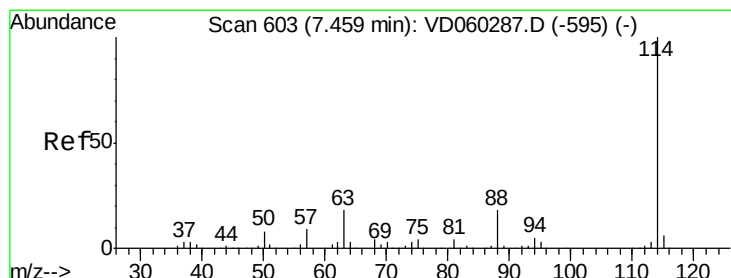
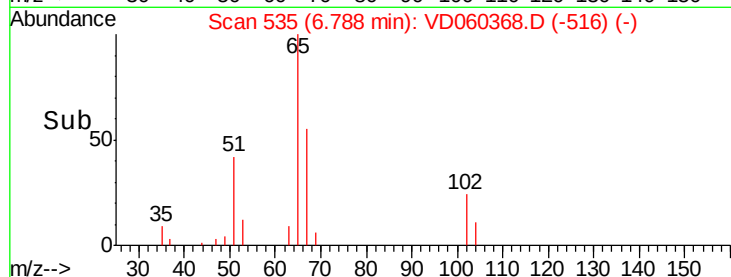
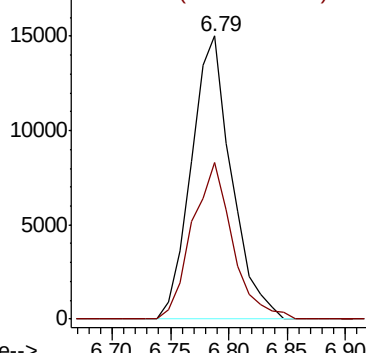
Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.8



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: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

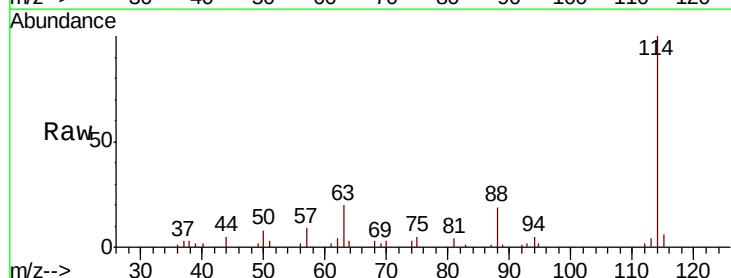
Tgt Ion: 114 Resp: 85921

Ion Ratio Lower Upper

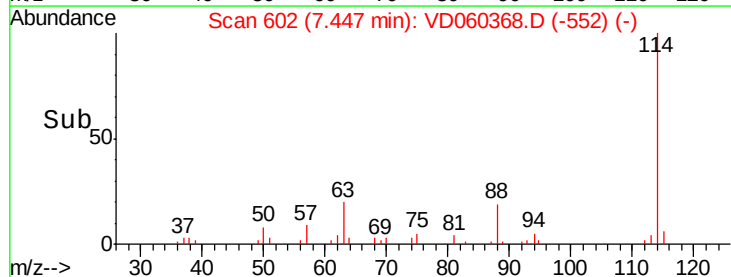
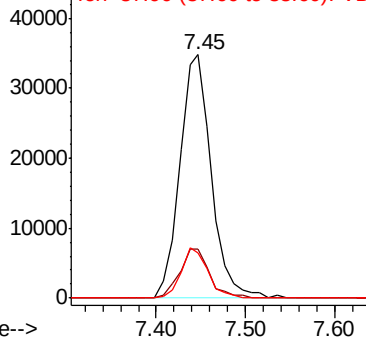
114 100

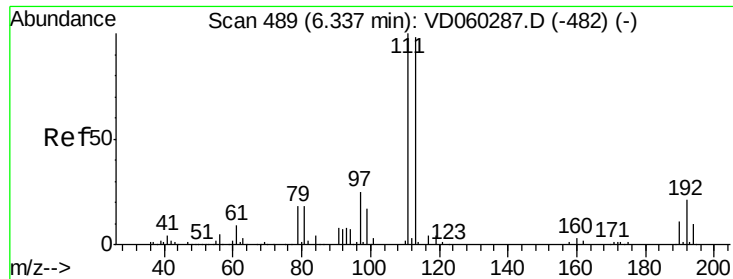
63 20.3 0.0 34.0

88 18.7 0.0 35.4



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: 6.33 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

Instrument :
MSVOA_D
ClientSampleId :

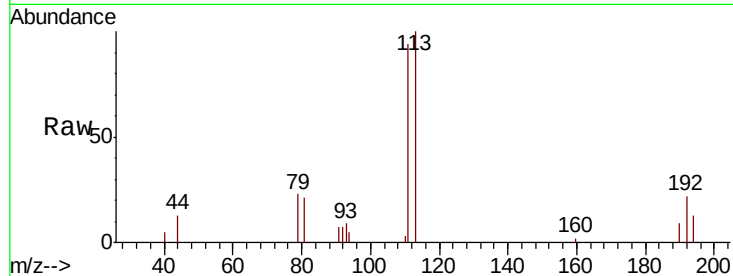
Tot Ion:113 Resp: 33843

Ion Ratio Lower Upper

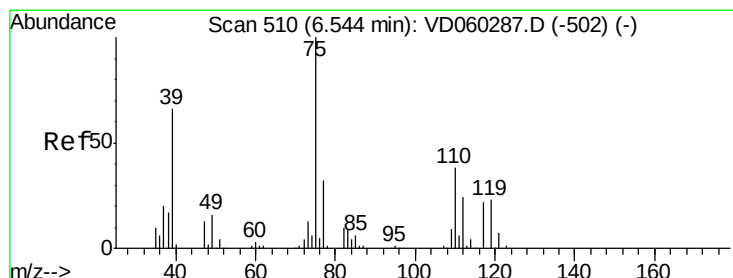
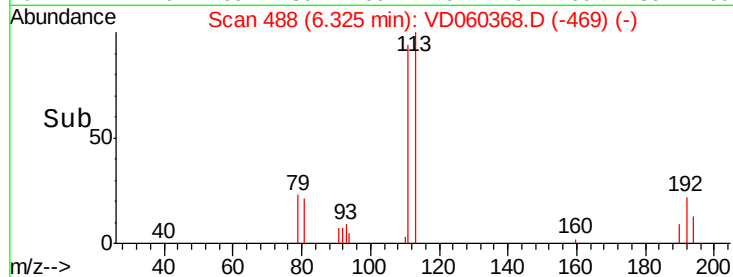
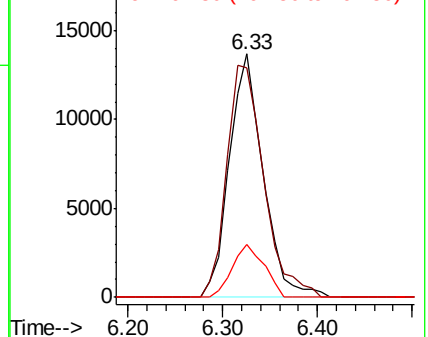
113 100

111 94.2 81.6 122.4

192 21.9 16.5 24.7



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: 3.580 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.14 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

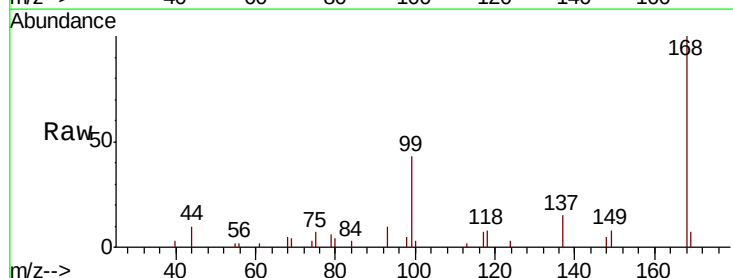
Tgt Ion: 75 Resp: 3039

Ion Ratio Lower Upper

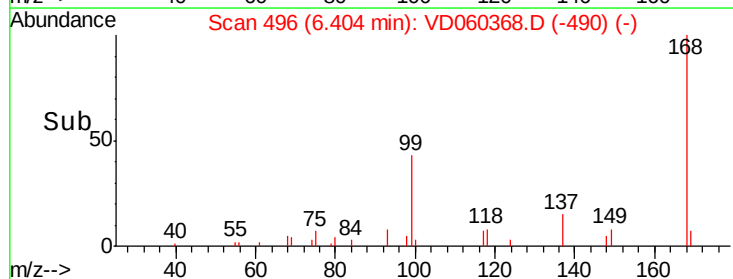
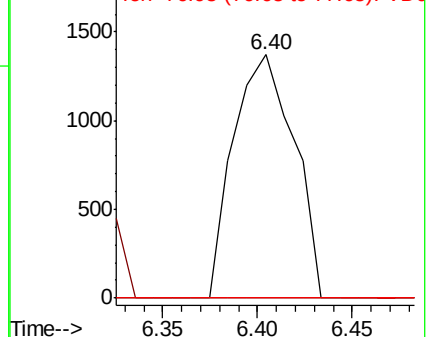
75 100

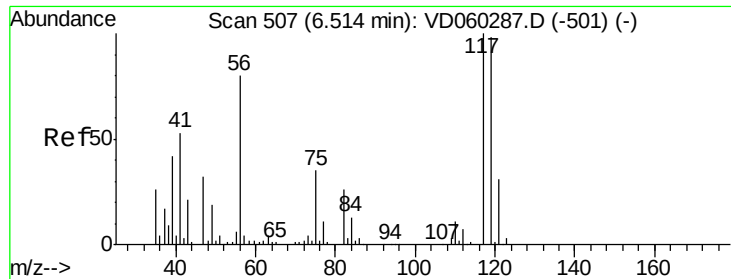
110 0.0 18.0 54.0#

77 0.0 25.6 38.4#



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

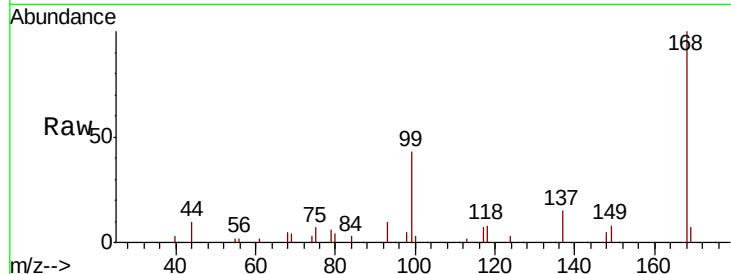




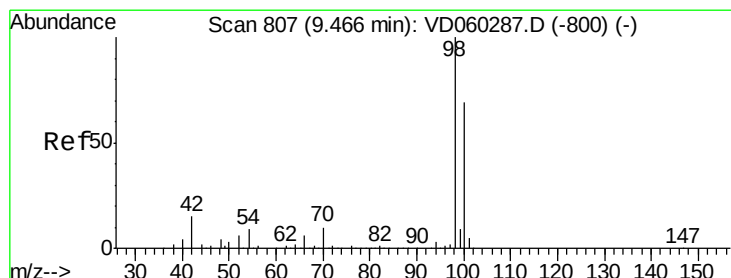
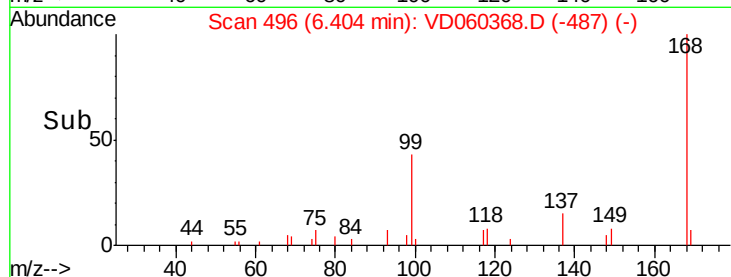
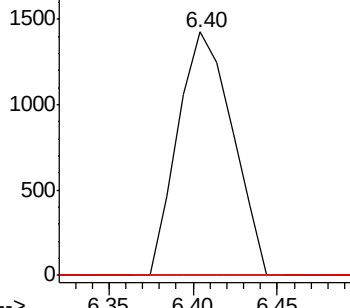
#38
Carbon Tetrachloride
Concen: 4.082 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.11 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 3214
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.3 36.5#

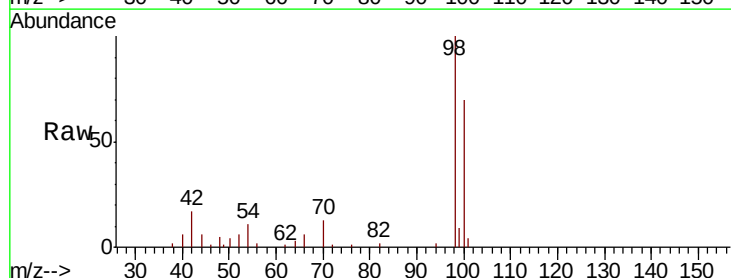


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

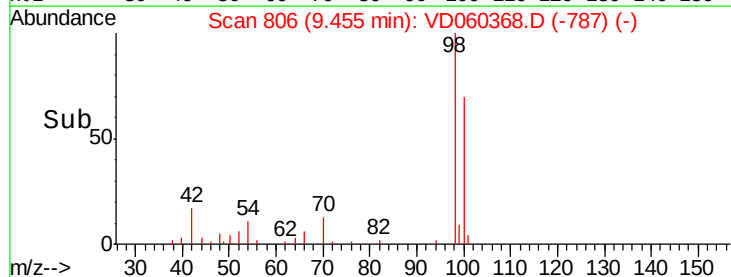
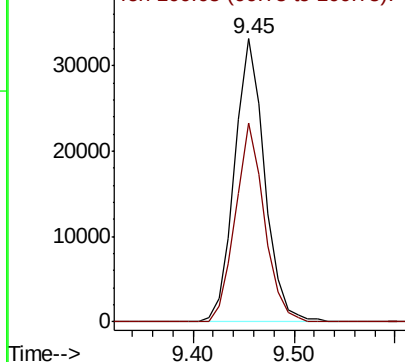


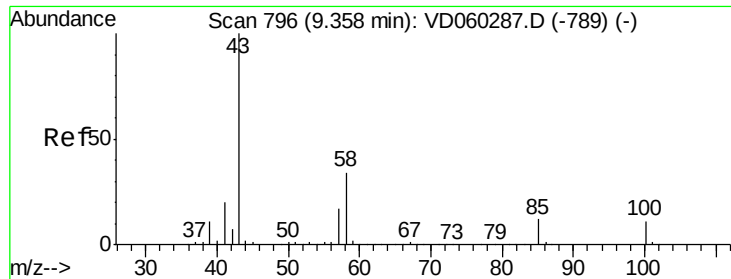
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

Tgt Ion: 98 Resp: 68484
Ion Ratio Lower Upper
98 100
100 70.2 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD
Ion 100.05 (99.75 to 100.75): VD





#51

4-Methyl-2-Pentanone

Concen: 2.558 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

Instrument :

MSVOA_D

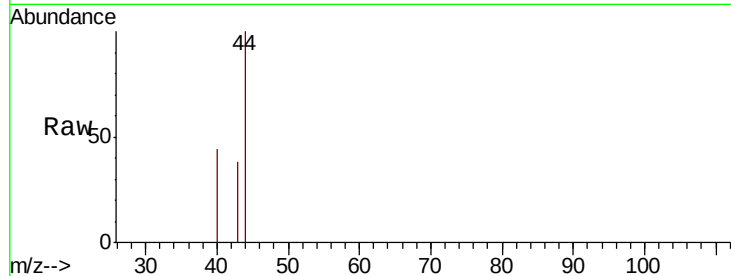
ClientSampled :

Tot Ion: 43 Resp: 817

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600

500

400

300

200

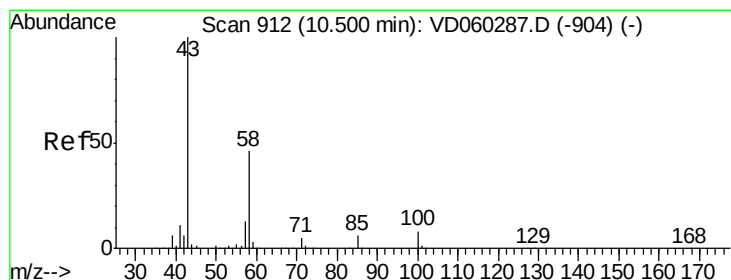
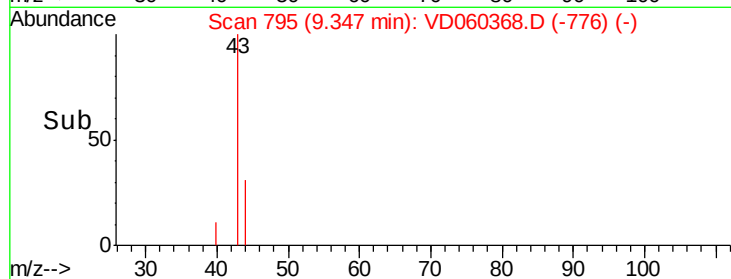
100

0

9.30

9.35

Time-->



#59

2-Hexanone

Concen: 3.462 ug/l

RT: 10.49 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD060368.D

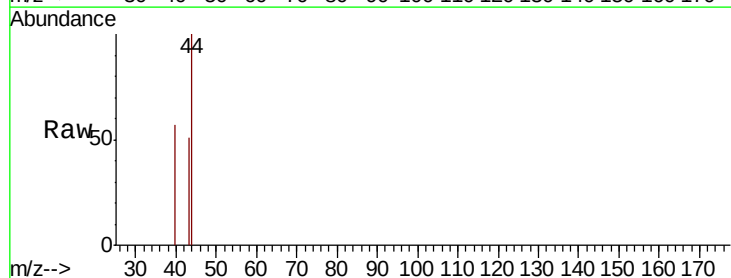
Acq: 13 Nov 2018 18:48

Tgt Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

58 0.0 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600

500

400

300

200

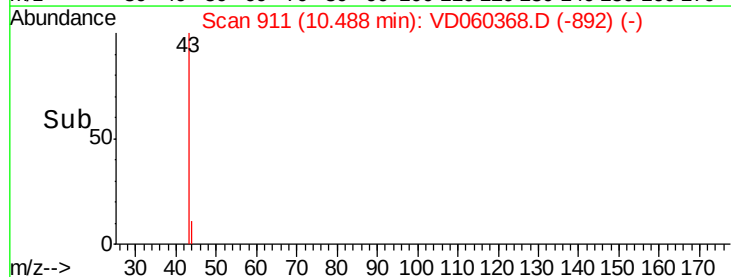
100

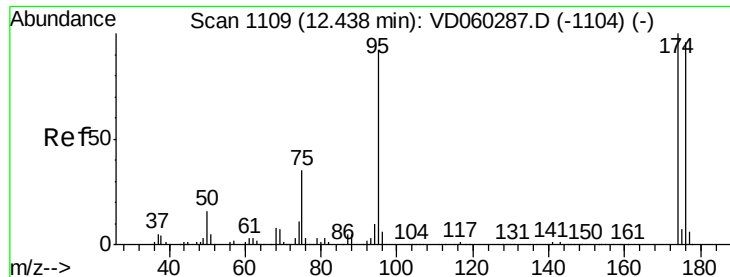
0

10.45

10.50

Time-->

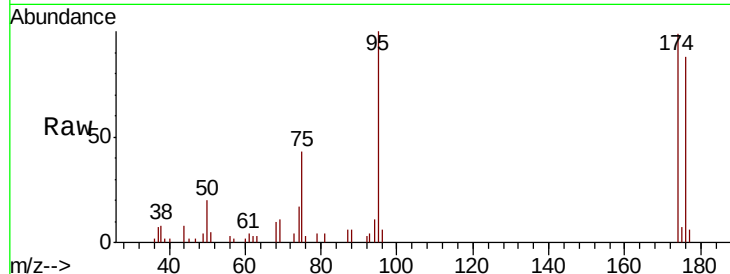




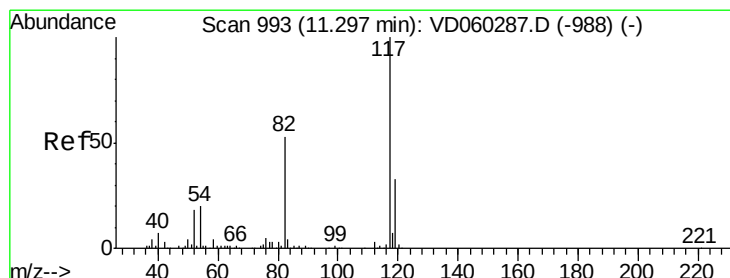
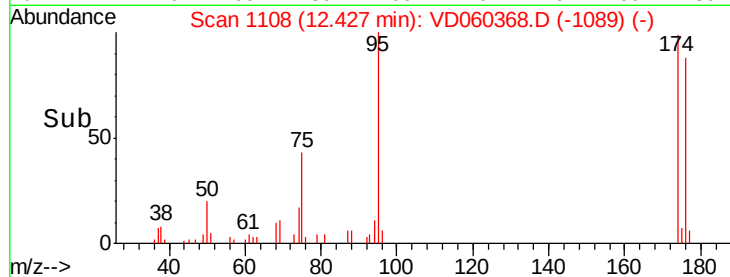
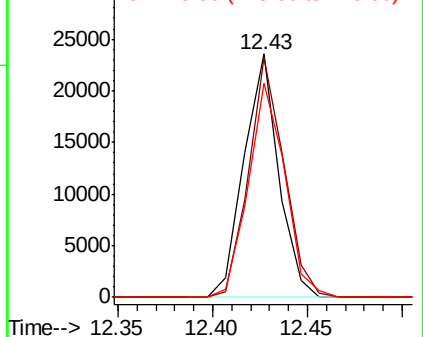
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 29846
Ion Ratio Lower Upper
95 100
174 98.6 0.0 160.8
176 87.8 0.0 154.6

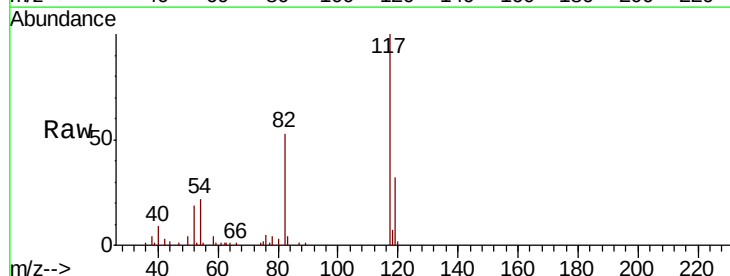


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

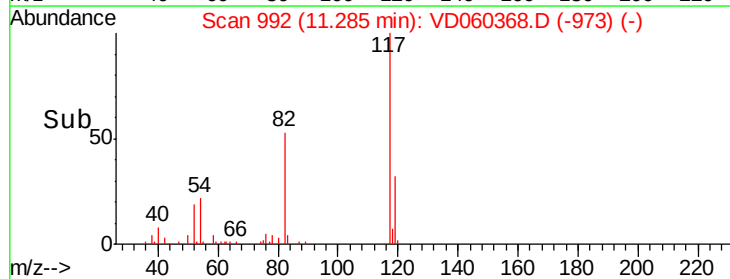
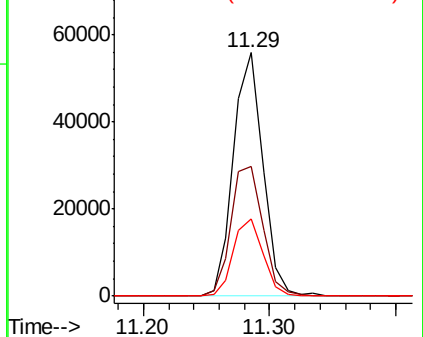


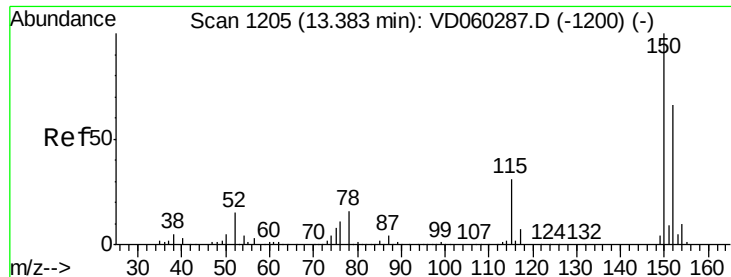
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060368.D
Acq: 13 Nov 2018 18:48

Tgt Ion: 117 Resp: 90215
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 31.7 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: VD060368.D

Acq: 13 Nov 2018 18:48

Instrument :

MSVOA_D

ClientSampled :

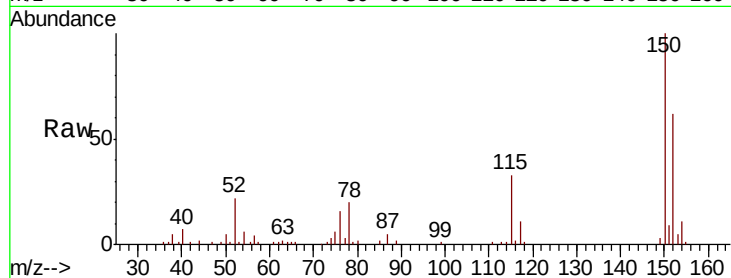
Tot Ion:152 Resp: 46169

Ion Ratio Lower Upper

152 100

115 54.2 24.1 72.3

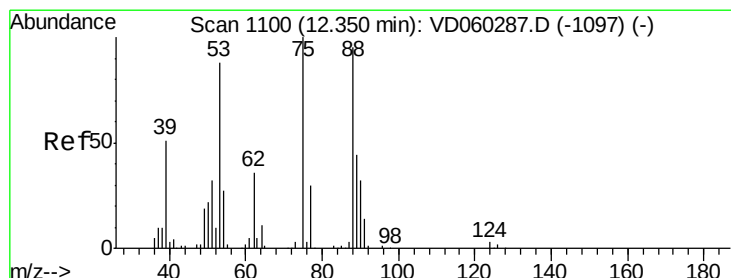
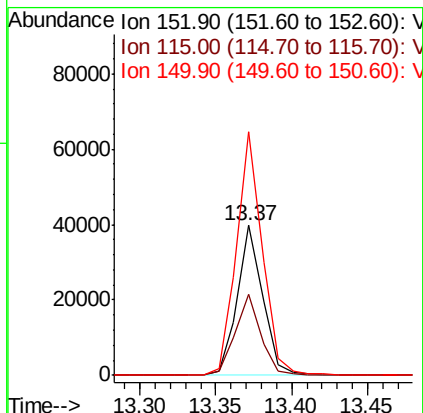
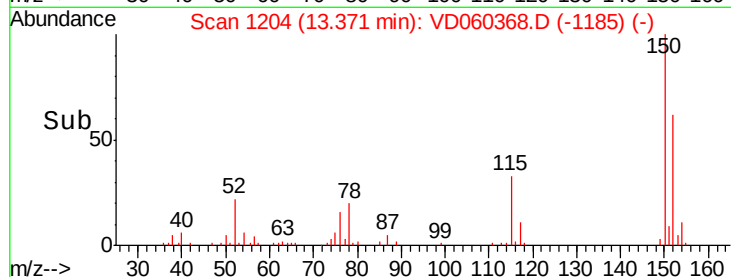
150 162.6 0.0 310.6



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: 84.370 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

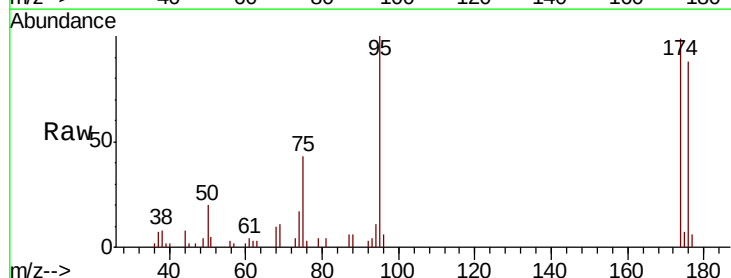
Tgt Ion: 75 Resp: 13266

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

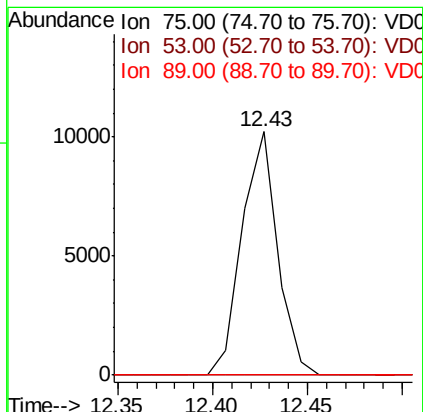
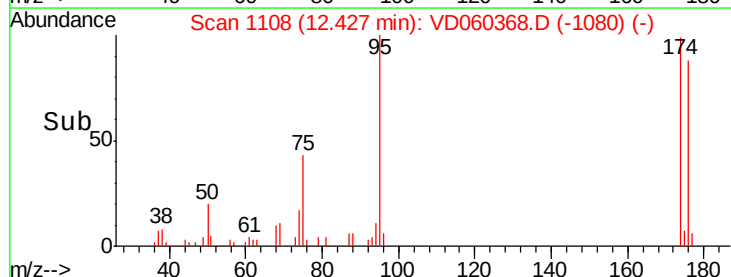
89 0.0 34.1 51.1#

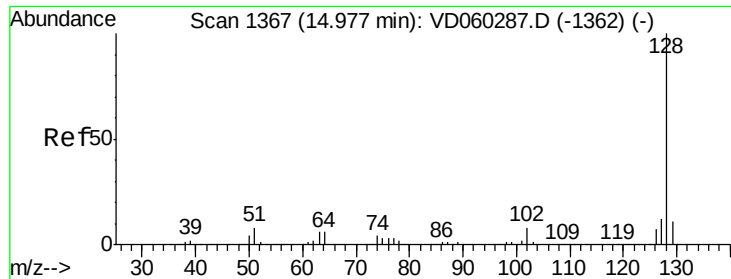


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 2.879 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060368.D

Acq: 13 Nov 2018 18:48

Instrument :

MSVOA_D

ClientSampleId :

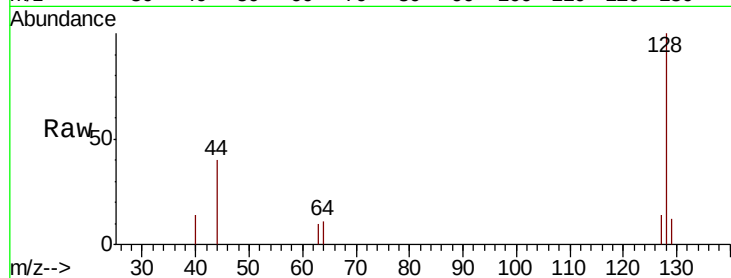
Tot Ion:128 Resp: 3639

Ion Ratio Lower Upper

128 100

127 14.4 9.6 14.4

129 12.1 8.6 12.8



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

