

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060172.D
 Acq On : 10 Oct 2018 13:43
 Operator : VA/AP
 Sample : J5329-01RE
 Misc : 6.62g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 POND-1RE

Quant Time: Oct 11 01:10:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	71633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	108232	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	101610	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	56778	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	52909	97.44	ug/l	0.01
Spiked Amount			Recovery	=	194.88%	
35) Dibromofluoromethane	6.31	113	51028	62.09	ug/l	0.01
Spiked Amount			Recovery	=	124.18%	
50) Toluene-d8	9.45	98	123650	52.76	ug/l	0.01
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.42	95	59515	67.82	ug/l	0.00
Spiked Amount			Recovery	=	135.64%	

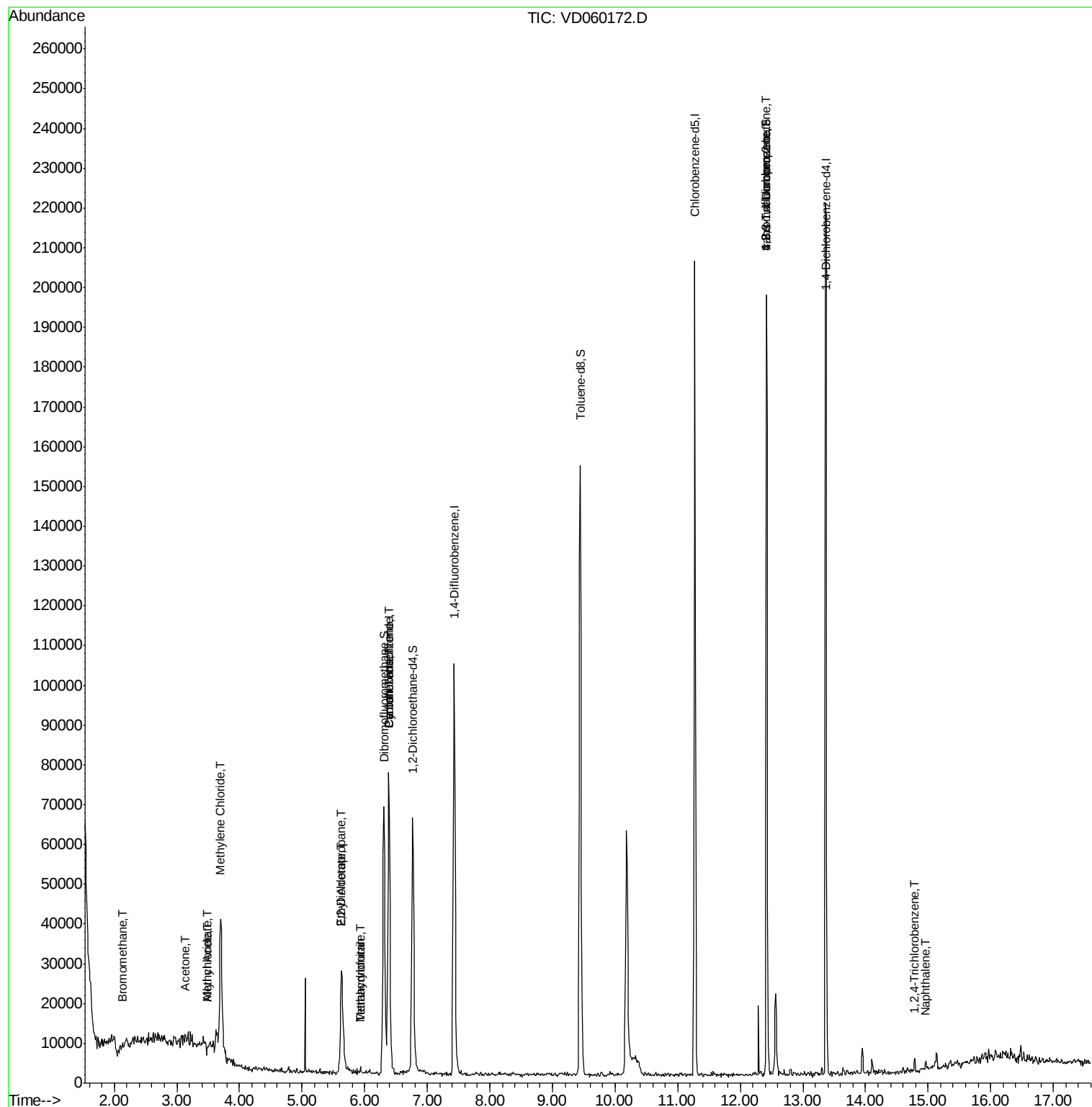
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.11	94	534	8.553	ug/l #	1
14) Allyl chloride	3.50	41	903	1.488	ug/l #	75
16) Acetone	3.15	43	4881	49.540	ug/l #	54
18) Methyl Acetate	3.50	43	926	4.373	ug/l #	63
20) Methylene Chloride	3.70	84	22287	26.737	ug/l	93
26) 2,2-Dichloropropane	5.64	77	1546	1.659	ug/l #	48
29) Tetrahydrofuran	5.94	42	615	4.301	ug/l #	41
31) Cyclohexane	6.38	56	1356	1.153	ug/l #	1
37) Ethyl Acetate	5.63	43	2234	3.254	ug/l #	45
38) Carbon Tetrachloride	6.38	117	5772	6.149	ug/l #	11
41) Methacrylonitrile	5.93	41	397	1.023	ug/l #	38
76) 1,2,3-Trichloropropane	12.42	75	19514	23.865	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	24297	105.752	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.78	180	1415	1.045	ug/l #	48
95) Naphthalene	14.97	128	2511	1.252	ug/l #	79

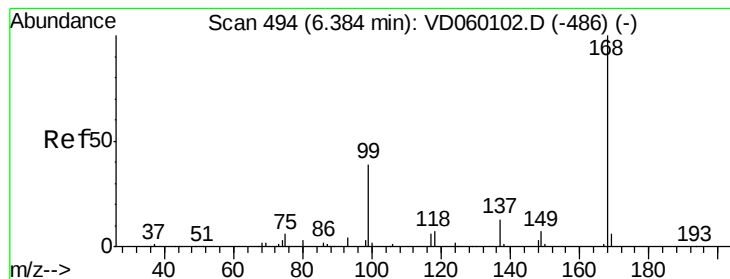
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101018\
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QLast Update : Tue Oct 02 06:56:35 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

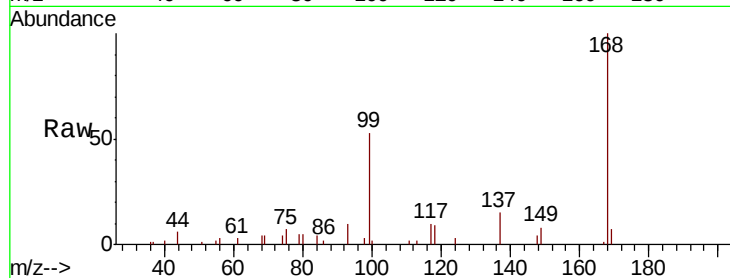
POND-1RE

Tot Ion:168 Resp: 71633

Ion Ratio Lower Upper

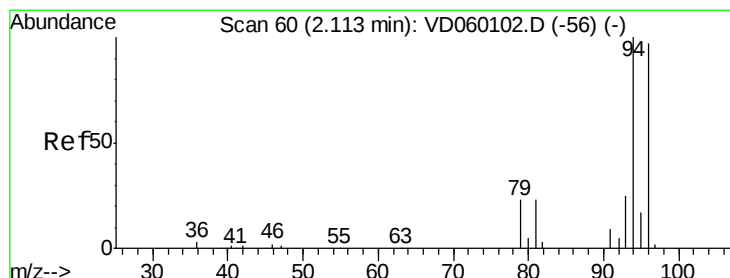
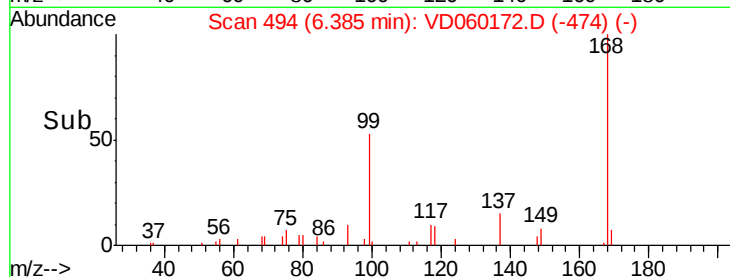
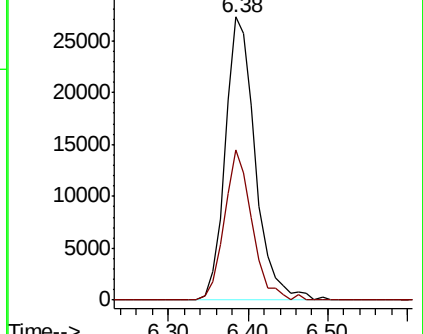
168 100

99 53.1 35.4 53.0#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 8.553 ug/l

RT: 2.11 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD060172.D

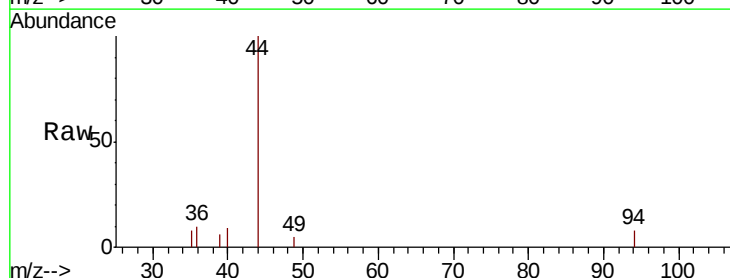
Acq: 10 Oct 2018 13:43

Tgt Ion: 94 Resp: 534

Ion Ratio Lower Upper

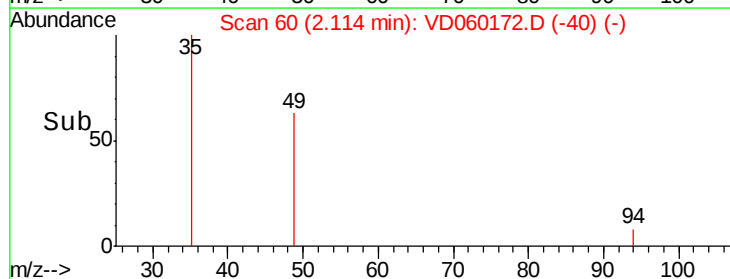
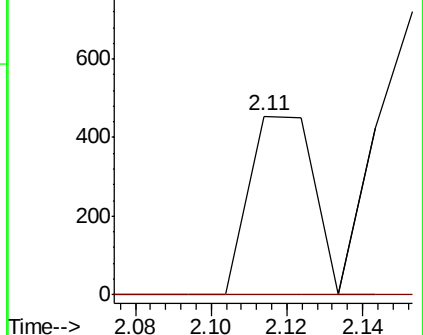
94 100

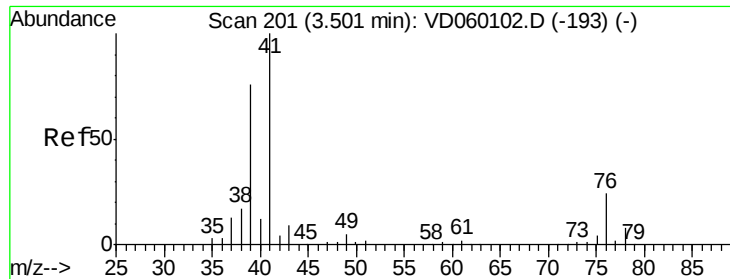
96 0.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

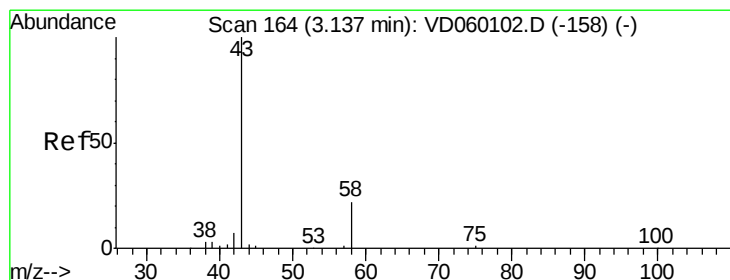
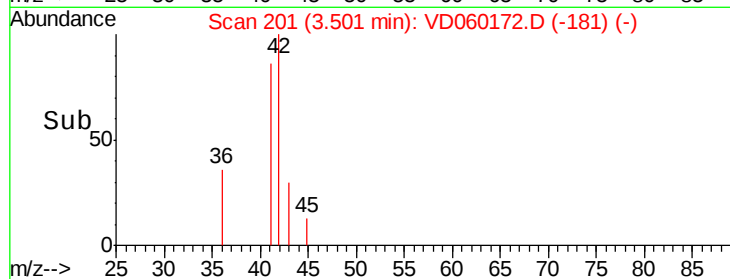
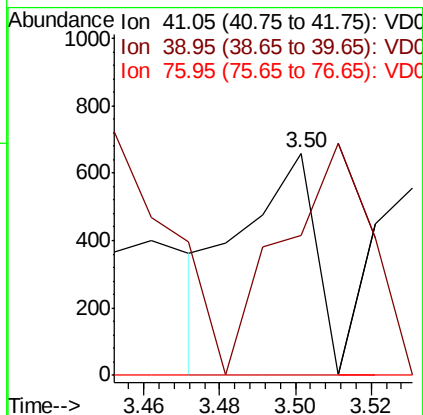
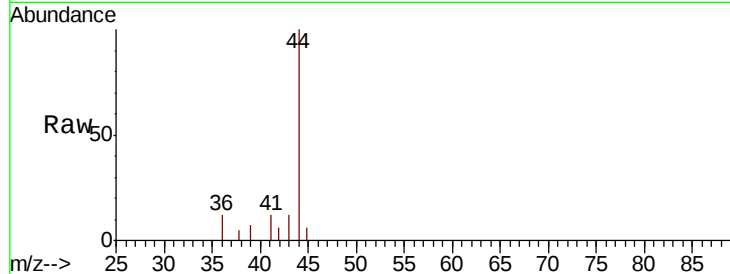




#14
Allvl chloride
Concen: 1.488 ug/l
RT: 3.50 min Scan# 201
Delta R.T. 0.00 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

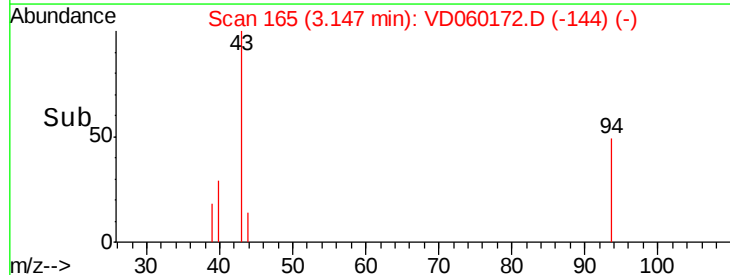
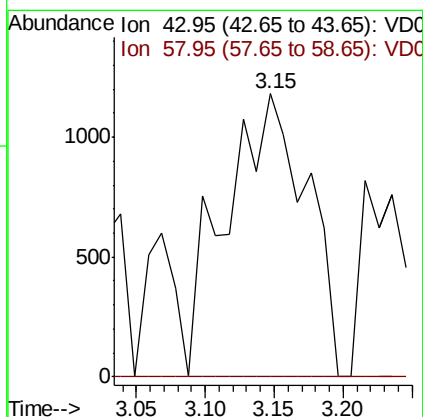
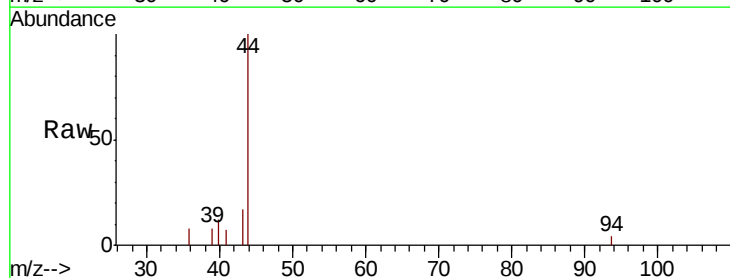
Instrument :
MSVOA_D
ClientSampleId :
POND-1RE

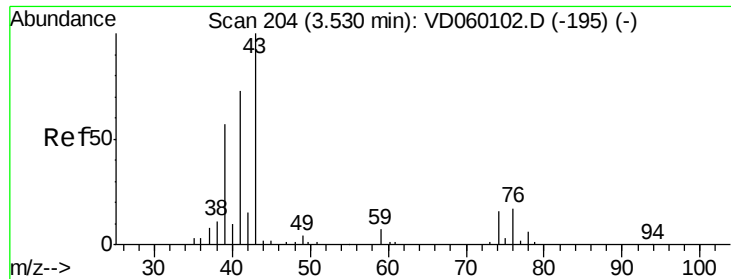
Tot Ion: 41 Resp: 903
Ion Ratio Lower Upper
41 100
39 62.9 60.6 90.8
76 0.0 21.3 31.9#



#16
Acetone
Concen: 49.540 ug/l
RT: 3.15 min Scan# 165
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 43 Resp: 4881
Ion Ratio Lower Upper
43 100
58 0.0 17.7 26.5#

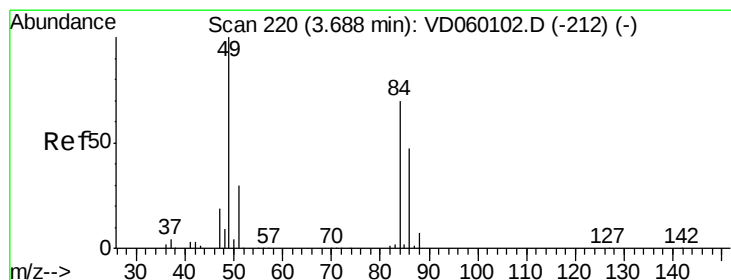
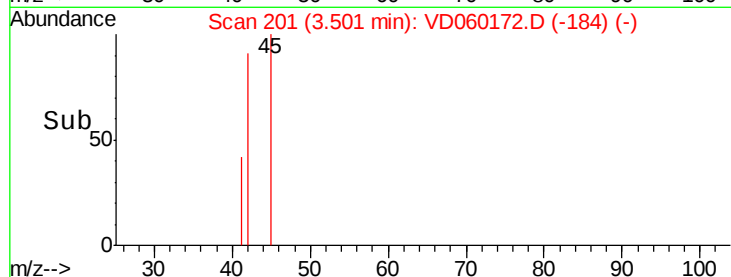
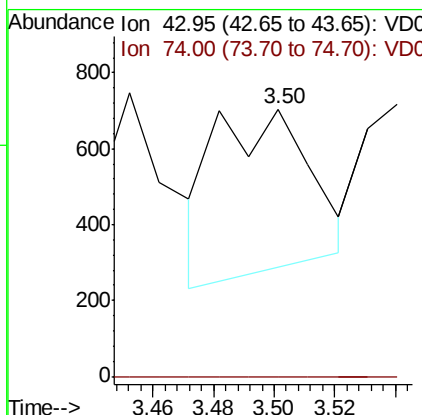
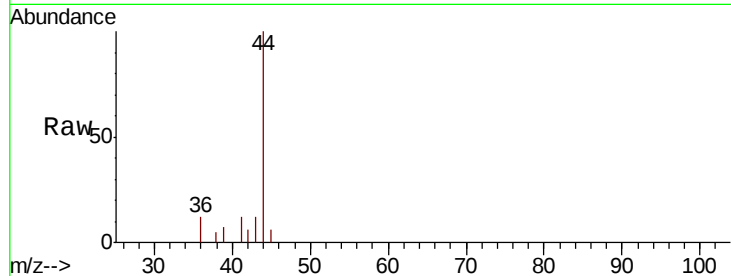




#18
Methyl Acetate
Concen: 4.373 ug/l
RT: 3.50 min Scan# 201
Delta R.T. -0.03 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

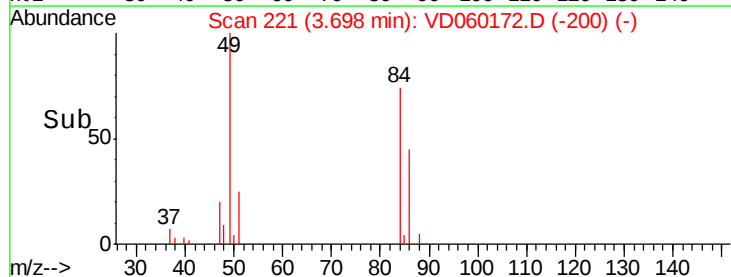
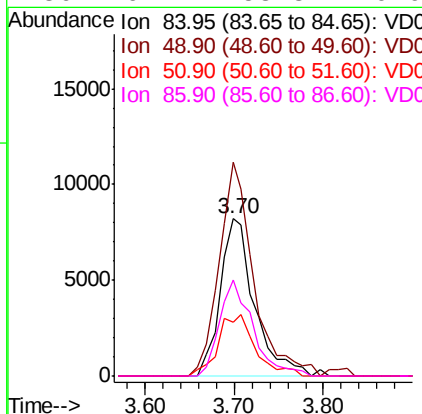
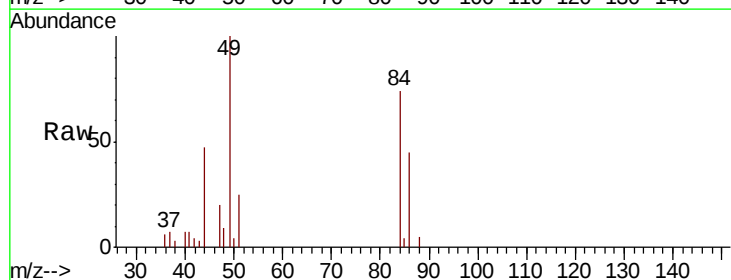
Instrument :
MSVOA_D
ClientSampleId :
POND-1RE

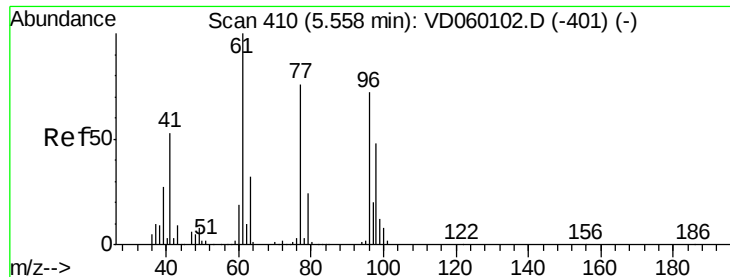
Tot Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
74 0.0 12.6 19.0#



#20
Methylene Chloride
Concen: 26.737 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 84 Resp: 22287
Ion Ratio Lower Upper
84 100
49 135.9 114.6 172.0
51 34.5 33.8 50.8
86 61.1 53.3 79.9





#26

2,2-Dichloropropane

Concen: 1.659 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.08 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

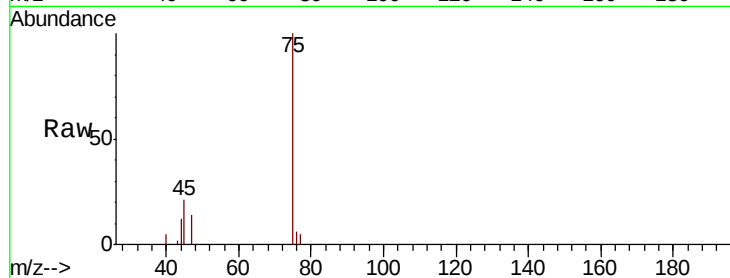
POND-1RE

Tot Ion: 77 Resp: 1546

Ion Ratio Lower Upper

77 100

97 0.0 13.3 39.9#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.64

800

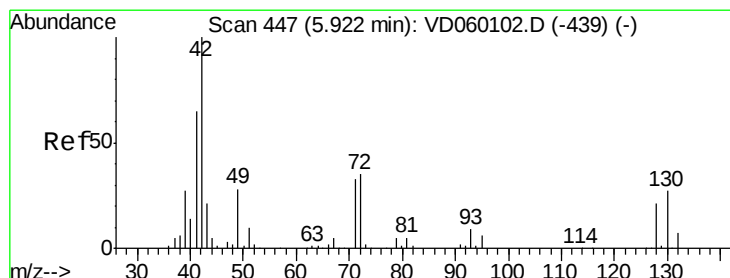
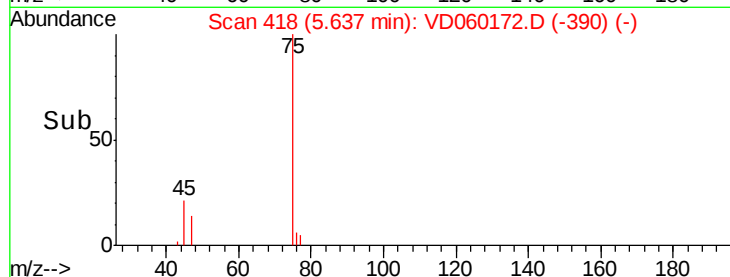
600

400

200

0

Time--> 5.55 5.60 5.65 5.70



#29

Tetrahydrofuran

Concen: 4.301 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

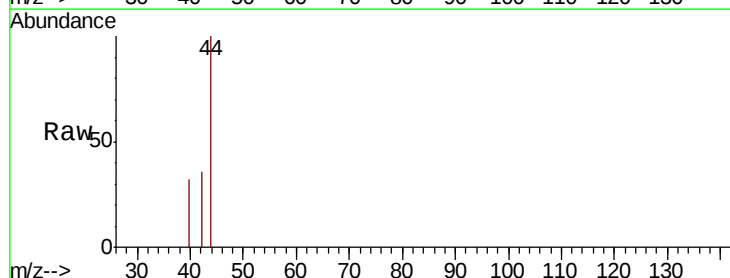
Tgt Ion: 42 Resp: 615

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

71 0.0 26.7 40.1#



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

800

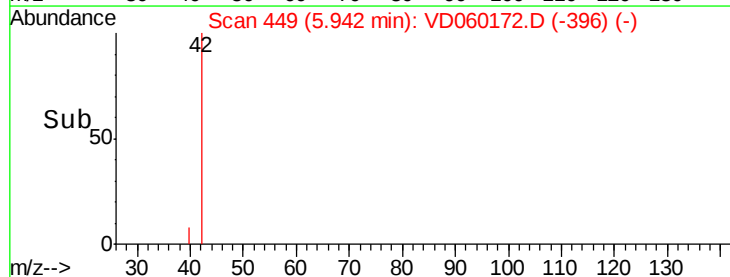
600

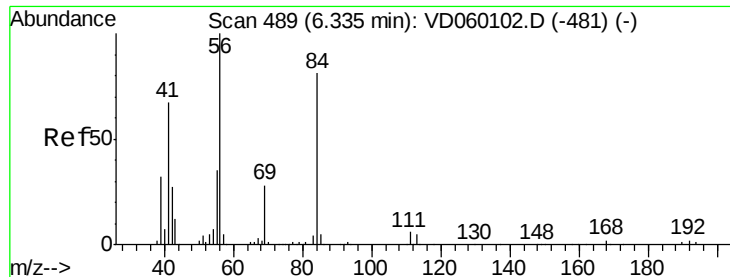
400

200

0

Time--> 5.90 5.92 5.94 5.96

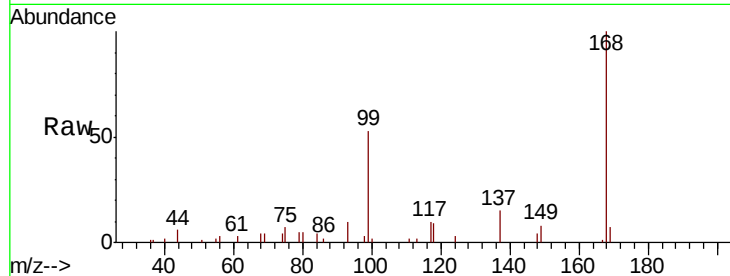




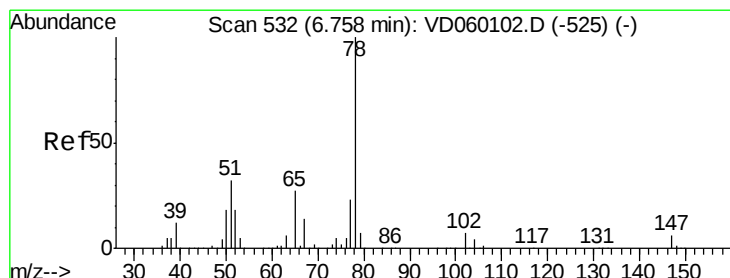
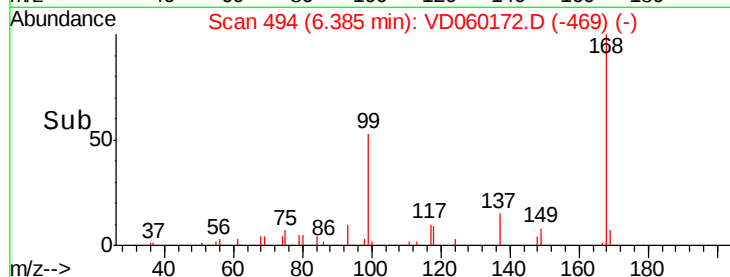
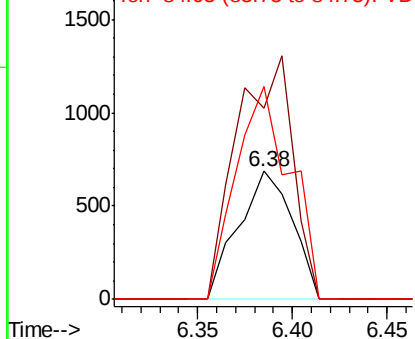
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :
POND-1RE

Tot Ion: 56 Resp: 1356
Ion Ratio Lower Upper
56 100
69 149.3 22.8 34.2#
84 166.0 64.9 97.3#

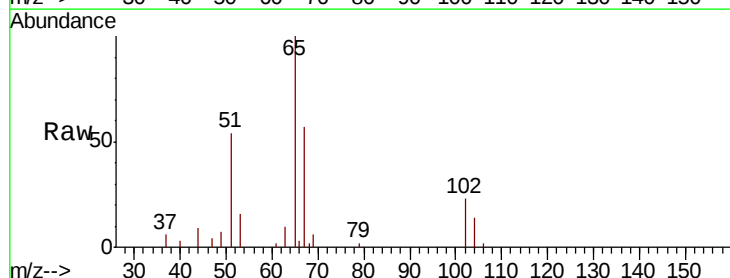


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

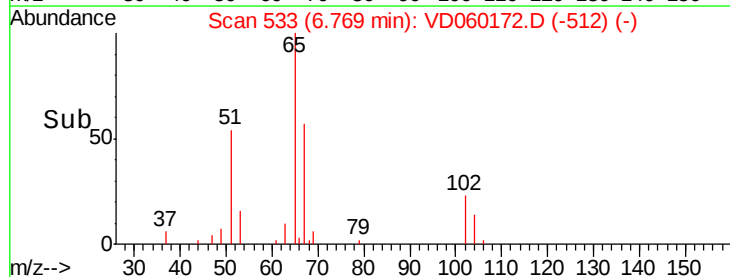
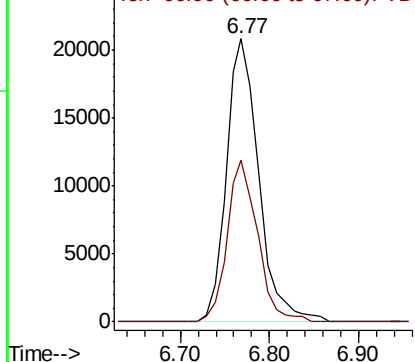


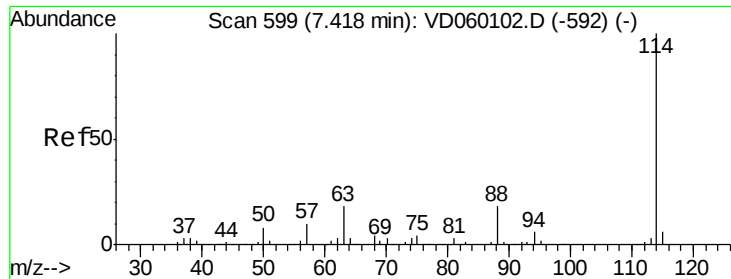
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 65 Resp: 52909
Ion Ratio Lower Upper
65 100
67 57.3 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

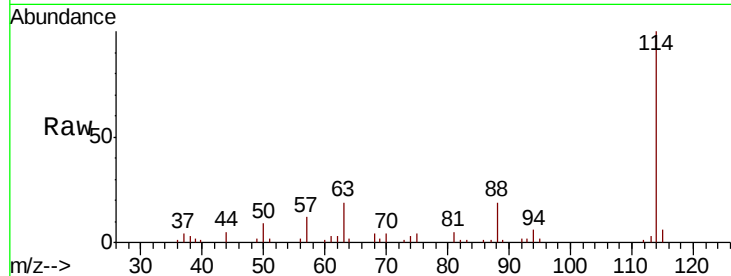




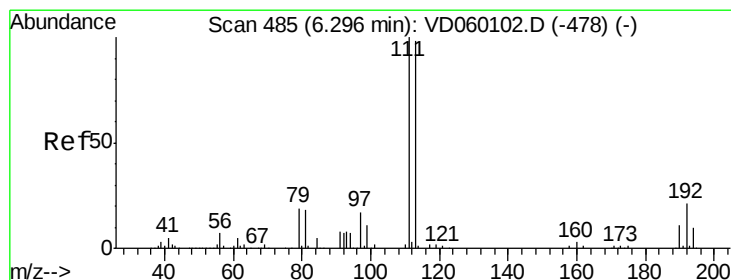
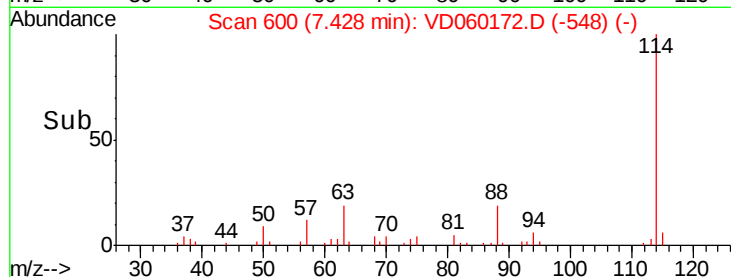
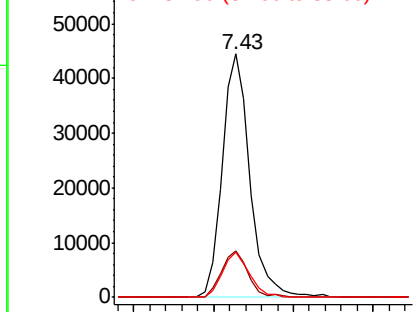
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060172.D
 Acq: 10 Oct 2018 13:43

Instrument :
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 ClientSampleId :
 POND-1RE

Tot Ion:114 Resp: 108232
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 36.0
 88 18.5 0.0 36.2

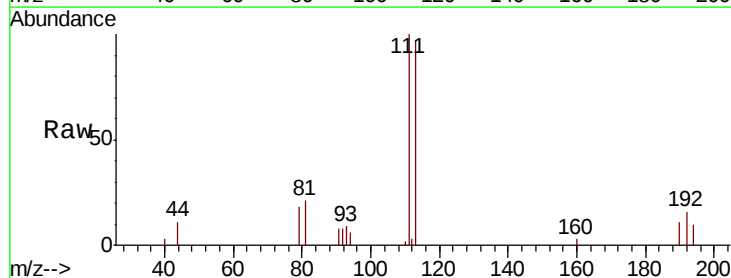


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

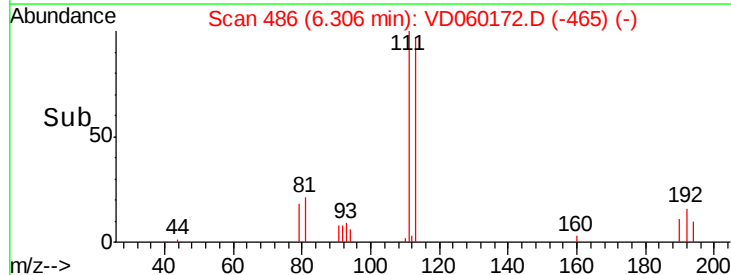
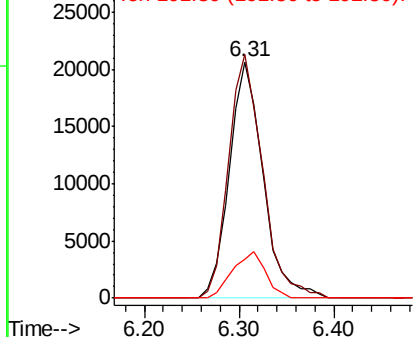


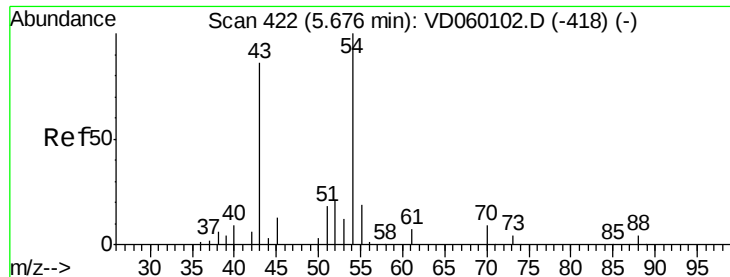
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060172.D
 Acq: 10 Oct 2018 13:43

Tgt Ion:113 Resp: 51028
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.5 122.3
 192 16.6 17.4 26.0#



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

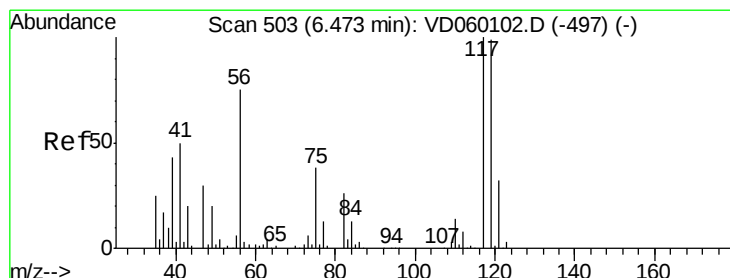
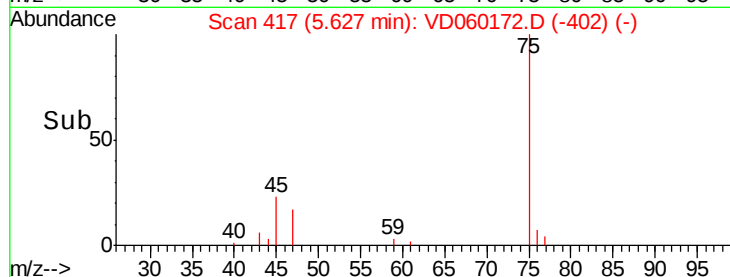
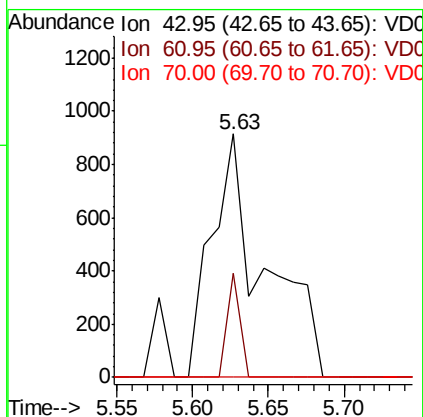
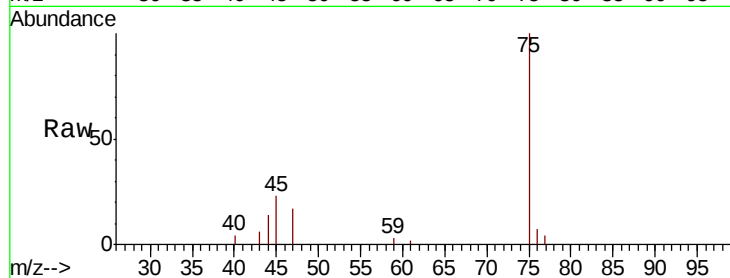




#37
Ethyl Acetate
Concen: 3.254 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.05 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

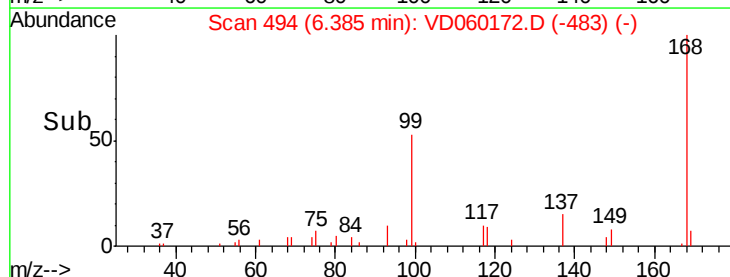
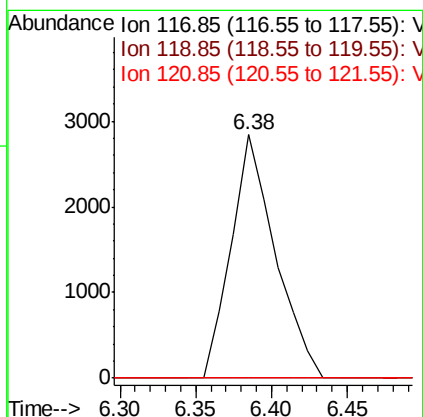
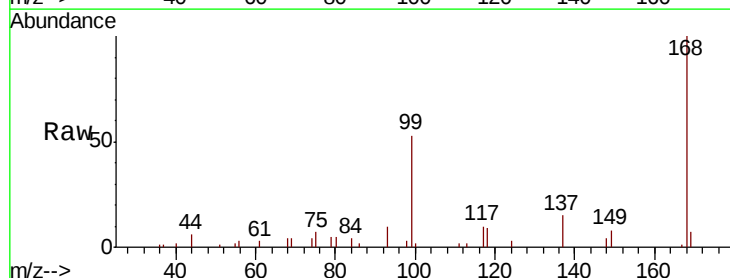
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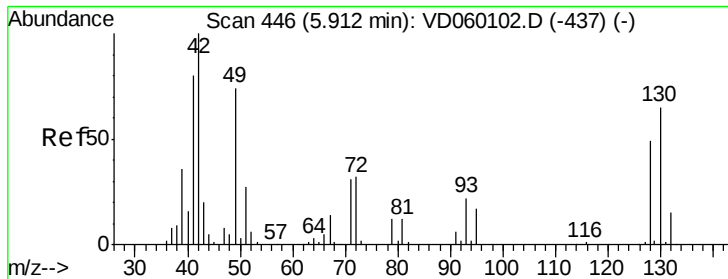
Tot Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
61 42.6 10.5 15.7#
70 0.0 6.3 9.5#



#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.09 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 117 Resp: 5772
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.6#
121 0.0 24.8 37.2#





#41

Methacrylonitrile

Concen: 1.023 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

POND-1RE

Tot Ion: 41 Resp: 397

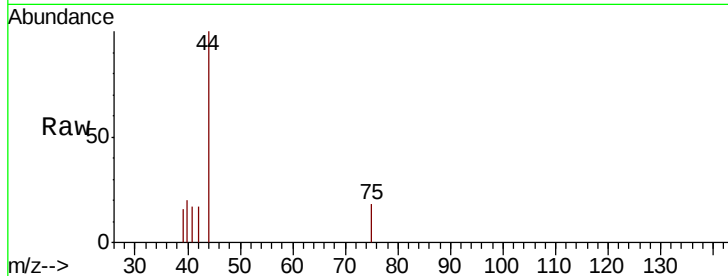
Ion Ratio Lower Upper

41 100

39 95.6 36.0 54.0#

67 0.0 13.9 20.9#

52 0.0 6.1 9.1#

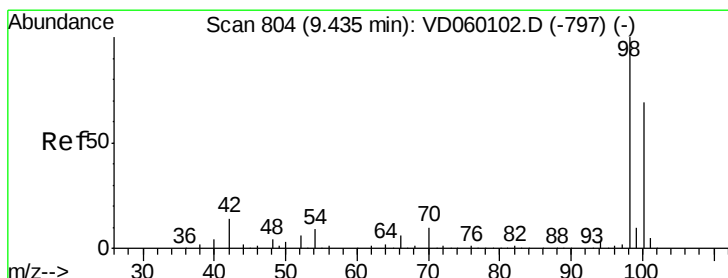
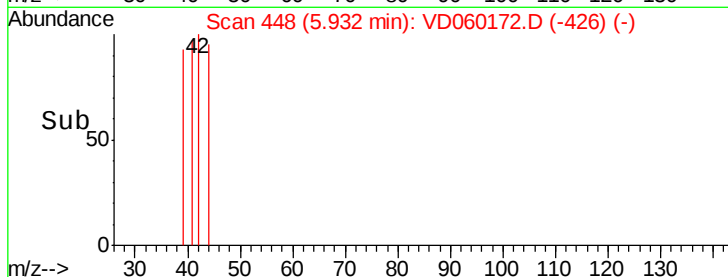
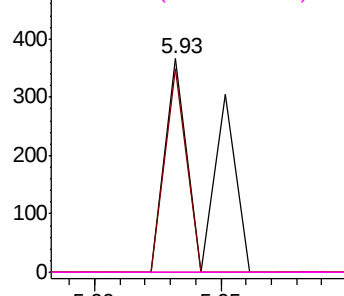


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060172.D

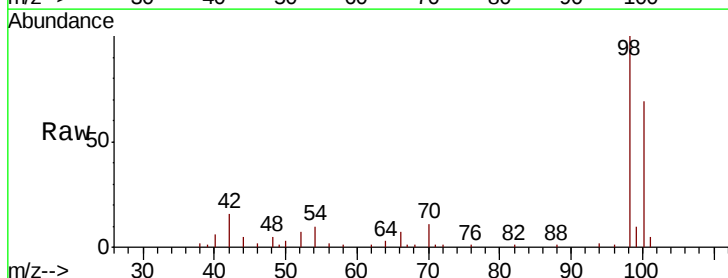
Acq: 10 Oct 2018 13:43

Tgt Ion: 98 Resp: 123650

Ion Ratio Lower Upper

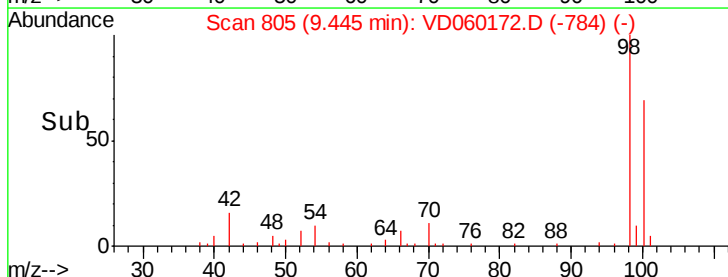
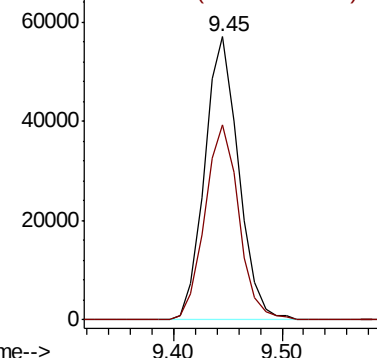
98 100

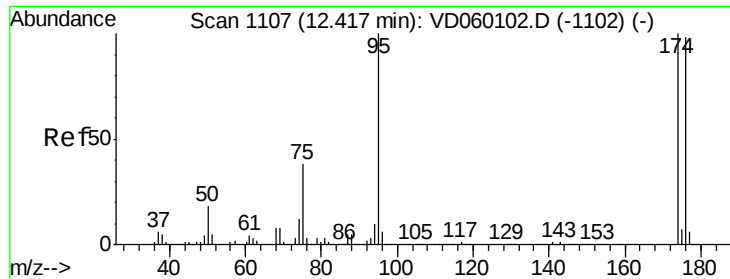
100 68.9 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

POND-1RE

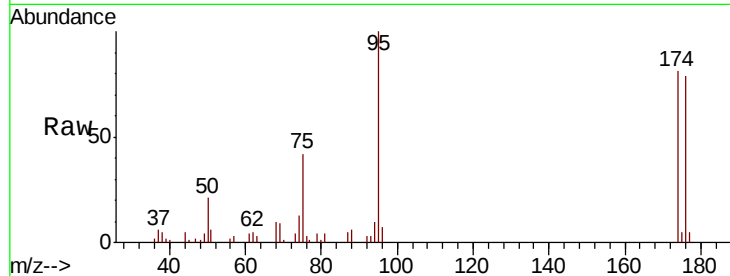
Tot Ion: 95 Resp: 59515

Ion Ratio Lower Upper

95 100

174 81.2 0.0 200.2

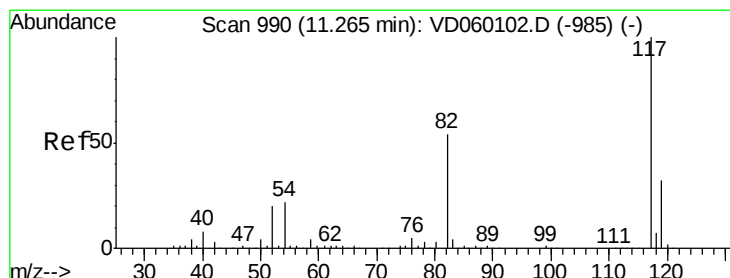
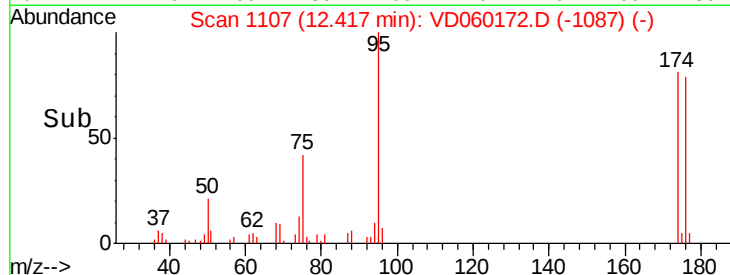
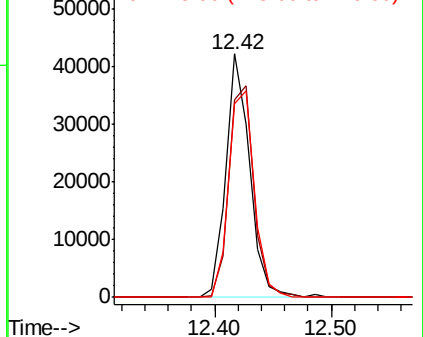
176 79.4 0.0 195.6



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: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

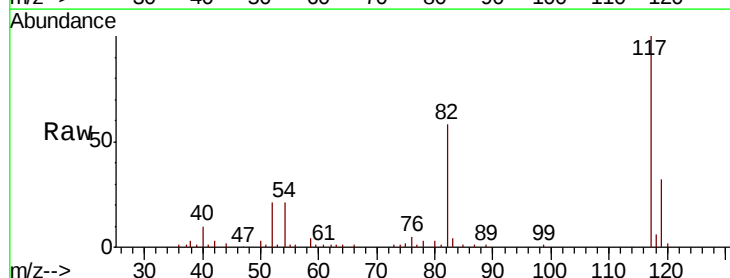
Tgt Ion: 117 Resp: 101610

Ion Ratio Lower Upper

117 100

82 57.6 43.4 65.2

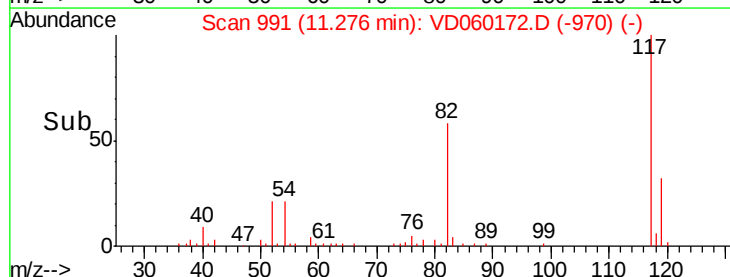
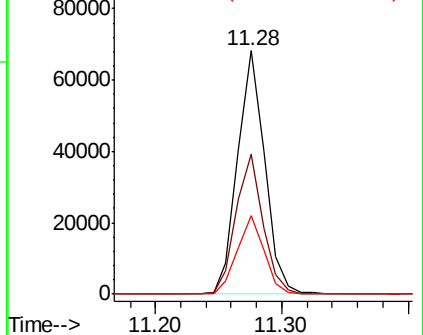
119 32.0 26.0 39.0

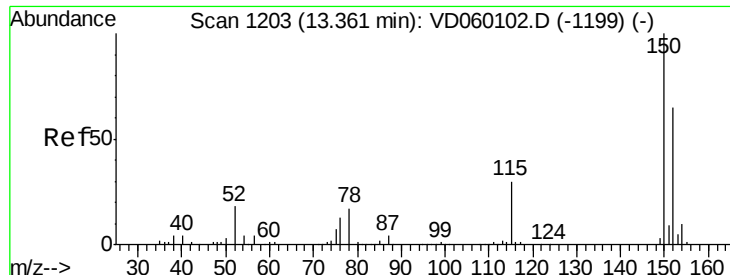


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060172.D

Acq: 10 Oct 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

POND-1RE

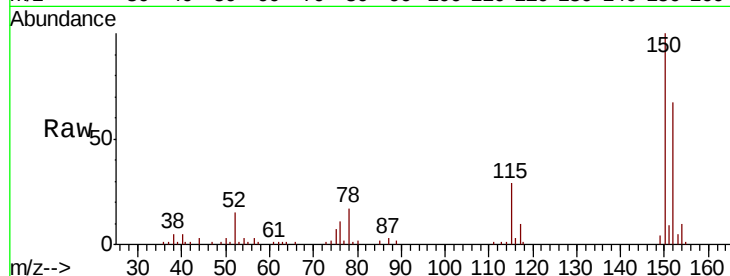
Tot Ion:152 Resp: 56778

Ion Ratio Lower Upper

152 100

115 43.8 27.1 81.2

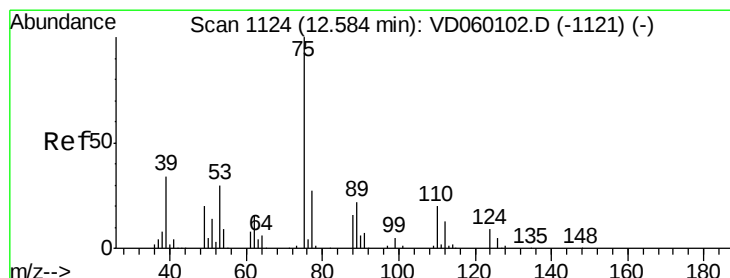
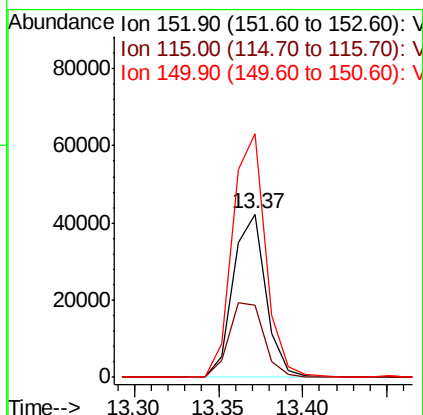
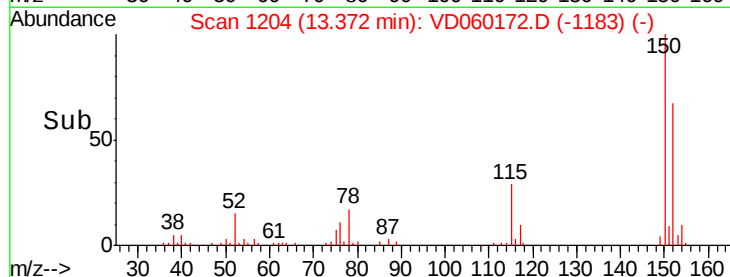
150 148.9 0.0 311.8



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



#76

1,2,3-Trichloropropane

Concen: 23.865 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060172.D

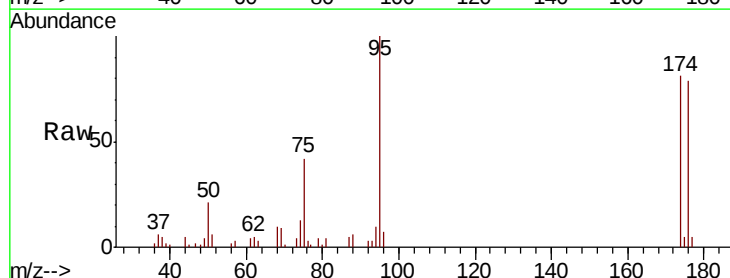
Acq: 10 Oct 2018 13:43

Tgt Ion: 75 Resp: 19514

Ion Ratio Lower Upper

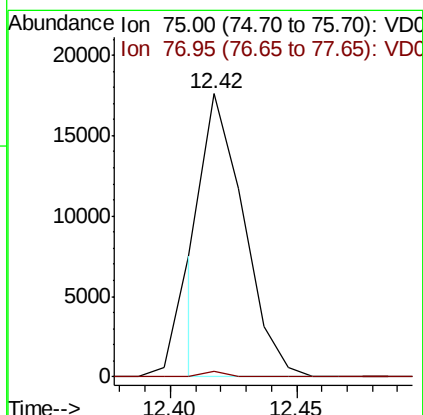
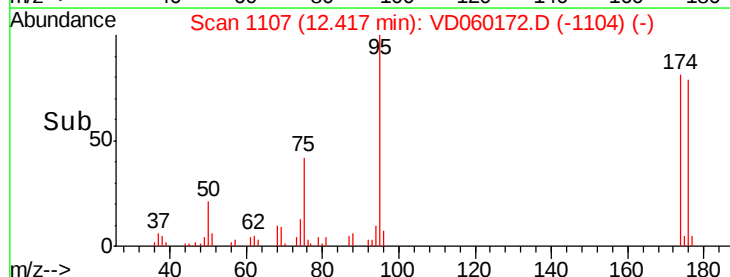
75 100

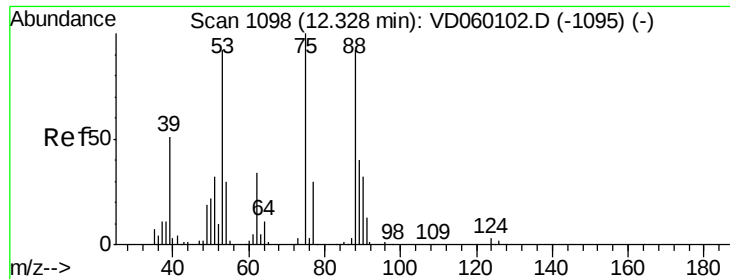
77 1.8 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 105.752 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

POND-1RE

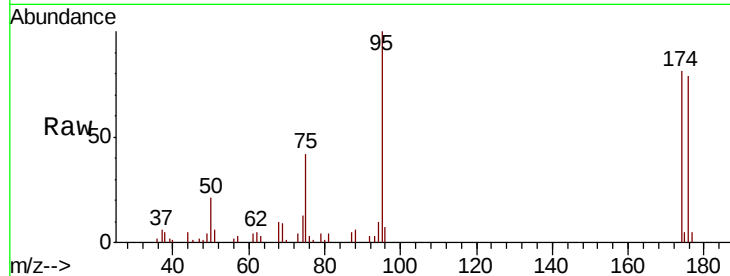
Tot Ion: 75 Resp: 24297

Ion Ratio Lower Upper

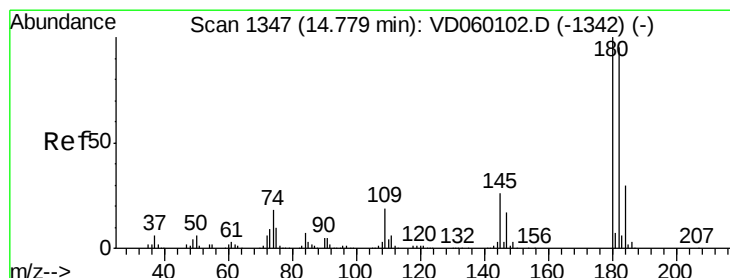
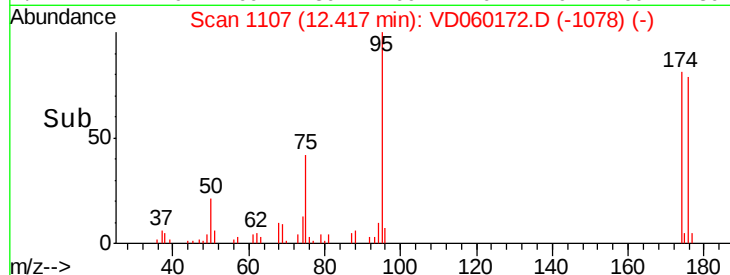
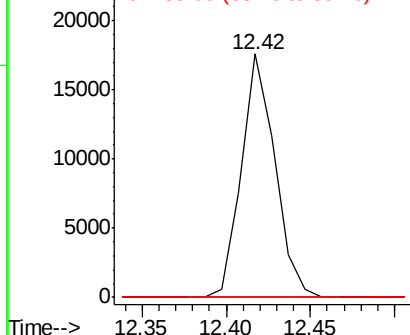
75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.045 ug/l

RT: 14.78 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VD060172.D

Acq: 10 Oct 2018 13:43

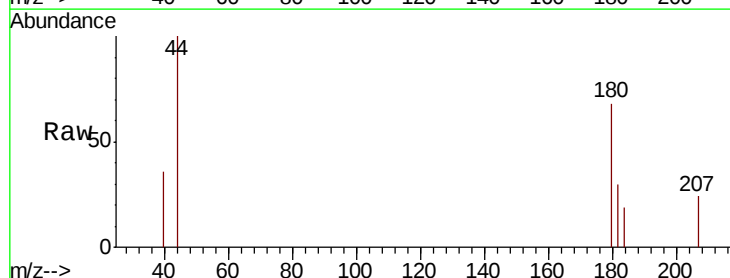
Tgt Ion:180 Resp: 1415

Ion Ratio Lower Upper

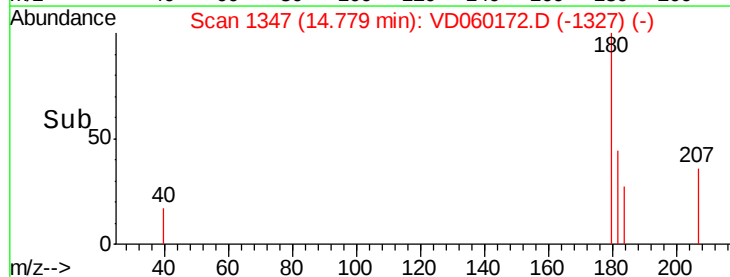
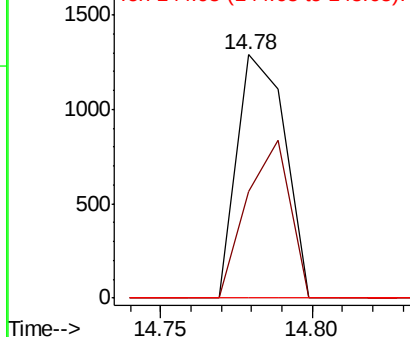
180 100

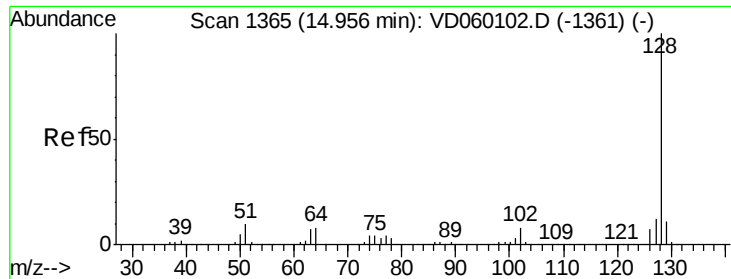
182 43.9 47.3 141.8#

145 0.0 13.0 38.9#



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

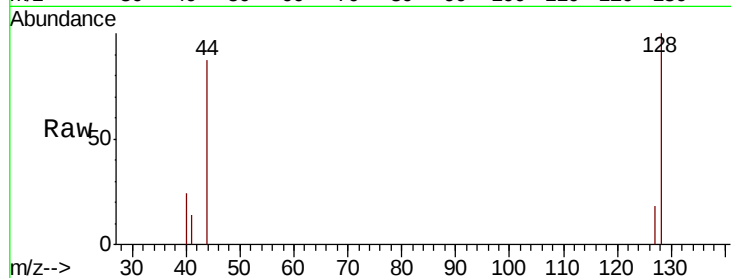




#95
 Naphthalene
 Concen: 1.252 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060172.D
 Acq: 10 Oct 2018 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 POND-1RE

Tot Ion:128 Resp: 2511
 Ion Ratio Lower Upper
 128 100
 127 17.9 9.9 14.9#
 129 0.0 8.8 13.2#



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

